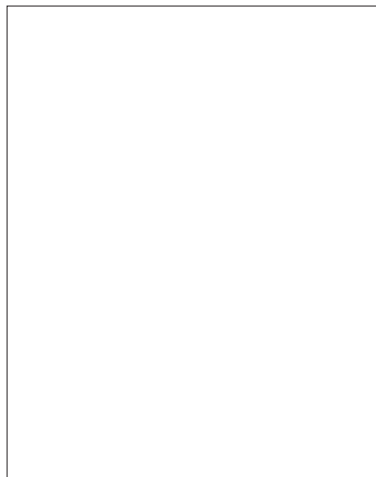


THE LIBRARY

MONA

Year ending July 31, 2003



Stephney Ferguson, JP, OD, BA *UWI*, MLS *Indiana*
– University Librarian

OVERVIEW

SERVICE IMPROVEMENTS

Emphasis on a student centered approach and enhanced client services led to several improvements and achievements.

CLIENT SERVICES

Circulation of Material

Increases were recorded in the number of books loaned throughout the Library system as also in the number of students using the Overnight Reading Room. The total loans from the Social Sciences and Humanities and Education collections of the Main Library increased in 2002/03 over the previous year from 160,198 to 187,167 (16.8 %) and in the West Indies & Special collections from 8409 to 14682 (74.6%). Increases were also recorded in the Medical and Science Branch libraries by 25.63% and 17.5% to (10,069 to 31,086 items) respectively. Despite a minor increase in the material borrowed from the Government Serials Section, a decrease of 14.22% was recorded in the number of periodicals borrowed. This is not a true reflection of usage of material in these areas as the majority of the collection is housed in open stacks where they can be consulted but not borrowed. Increased access to online databases, electronic journals and photocopying facilities have also affected the use of printed journals by borrowing them for reading outside of the Library.

**BOOK LOANS THROUGHOUT THE LIBRARY SYSTEMS
FOR THE ACADEMIC YEAR 2001/02 & 2002/03**

Fig. 1.1

Mona Electronic Reference & Information Centre (MERIC)

Twenty additional work stations were installed in the overnight reading room, not only increasing the MERIC facilities but also enabling the library to offer 24x7 access to the data bases and electronic resources available through its website. In the Science Branch the MERIC services were improved with the installation of 10 new computers.

For more effective control and equitable allocation of the facilities in MERIC at the Main and Science Libraries an automated booking system for use of work stations for internet access or word processing was introduced. In the Medical Library's Hopwood Centre, allocation and control are still being done manually pending a decision on the future of the Centre. Demand for the MERIC and Hopwood facilities continue to be high as the records show not only a high daily occupancy rate particularly in the months of October, November, February, March and April but also increased use of the facility for research. Statistics obtained from the automated booking system shows 54,949 sessions booked for a duration of 2,311,931 minutes in MERIC (Main Library between October 1, 2002 and July 31, 2003) with an average usage level of 54%.

Mona Information Literacy Unit (MILU)

MILU dedicated to the development of UWI students into lifelong learners, offered a variety of courses all well supported by the university community. Over 350 sessions including tours, OPAC training, database and internet search techniques, subject-oriented sessions and foundation-course modules were held. These totaling approximately 500 hours, were delivered to over 5000 users in all faculties. Increased collaboration between faculty and library staff resulted in requests for customized sessions from several Departments, leading to the design and delivery of special library modules within courses. Examples of these were as follows:-

- A 7-hour module delivered to three separate classes of postgraduate students in the course **LG600: Advanced Academic Writing**. This included sessions on plagiarism;
- A 7-hour module on Information Gathering Techniques to undergraduate students in **MC10B: Interviewing Techniques and Information Gathering**.
- Sessions for postgraduates in Economics, Counseling, Sociology, Nursing/Health Information Systems, Physics, Chemistry, Mathematics and Computer Science

In addition to the first semester Orientation tours for freshmen, tours were conducted for the visually impaired, and groups of visiting overseas students. A presentation was also made at the new academic staff orientation programme, highlighting the work of MILU, the electronic reserves project and demonstrating the plagiarism software, “Turn it in” which was available through a trial subscription,

- In response to requests, Seminars were also given to groups of postgraduate students from various faculties on the recommended citation styles.
- Outreach activities of MILU resulted in the delivery of information literacy courses to sixth form students at Hampton High School and Munroe College and through UWIDEC to approximately 60 Caribbean Advanced Proficiency Examination students from Jamaica and other Caribbean territories. Throughout **Research Day**, the Main Library conducted several specially designed tours for high school students.

Post Graduate Facilities

The Post-Graduate Reading Room in the Main Library, with computers for Internet access and word processing, and an area with lounge chairs for reading and relaxation became fully operable during the year. Access to the room is gained by allocation of bar coded keys which are then swiped onto each borrower's ID card. Publications of interest to postgraduates such as the **Thesis Guide** and **Responsibilities of Students and Supervisors' Guide** were placed in the room. The bulletin board in the Room was used to enhance awareness on issues affecting post-graduates including information on the availability of jobs and scholarships. This long overdue facility has proven to be a welcome addition to the 18 fully equipped post graduate carrels located in the Science and Medical branches.

Enhanced Reference Service

To ease congestion at the reference desk in the Main Library a Help Desk staffed by postgraduate student assistants was established as a pilot project to deal with simple directional and non-reference queries. It operated between the peak hours of 10 a.m. and 4 p.m., Mondays to Saturdays from **March 31 to May 23, 2003**. The student assistants were trained in the use of the OPAC and card catalogue, customer service and methods of distinguishing between reference and non-reference queries.

Feedback from patrons obtained through evaluation forms was very positive and it is proposed to institute the Help Desk as a permanent feature during peak periods.

Extension of Opening Hours for Summer School Students

In the summer of 2003, The Campus Library was able for the first time to operate opening hours from 6:30 to 10:00 pm for Summer School students in the faculties of Social Sciences, Medical Sciences and Humanities and Education. This became possible through an agreement reached between employees' Unions, the Campus Administration and the Bursary and approved by the Campus Finance & General Purposes Committee. Special contracts for sessions of 3.5 hours duration were offered to staff in order to operate the extended hours. Although the Science Library did not open for these extended hours special arrangements were made to provide access to material for summer school students in the Faculty of Pure and Applied Sciences at the Mona Library.

Statistics were recorded for the numbers of items issued per session and of users present at the two Libraries each day at 7:00 p.m. and 9:00 p.m. respectively and the means of these number were as follows.

<u>Library</u>	<u>Issues</u>	<u>7:00p.m.</u>	<u>9:00p.m.</u>
Main (31 Sessions)	114.3	77.5	53.5
Medical (45 sessions)	11.8	27.0	18.5

INTERLIBRARY LOAN and DOCUMENT DELIVERY

Through the use of ARIEL, delivery time for articles has been reduced to between one to five days in the Main and Medical Libraries but most articles arrive within a two day period. Efforts are being made to achieve a similar level of service for the delivery of books requested on Interlibrary Loan.

Improvements in Service to Students registered in Distance Education Programmes

Continuing efforts were made to ensure that the services offered to the distance learning community mirror those provided for on-campus students as closely as possible. In furtherance of this, students registered in the MA. Education Programme were provided with password access to selected data bases. Some on-site collections for the Social Sciences and Education programmes were strengthened and document delivery and book loans to staff and students were made in response to the e-mail reference service. Requests for past examination papers have been greatly reduced as students and tutors can now access these directly from the online catalogue.

Throughout the year, the Library actively served three groups of distance learners:-

- Those in the Northern Caribbean Non Campus Countries.
- Students at the 10 intra-Jamaica UWIDEC sites, enrolled in the Social Sciences and Education programmes delivered through UWIDEC
- Students in the Special B.Ed Secondary (Distance) Programme which came on stream in January 2003.

For the latter programme the Library procured text- books as well as established and maintained a special collection for students in its summer programmes. In addition, B.Ed. distance students in the six-week summer programme participated in the training sessions for Library orientation, training to use the Online Public Access Catalogue (OPAC), search strategies for databases and the world wide web, and on Techniques for gathering information and citing sources (UC010).

Strengthening Relationships with Faculty

Recognising the value of strong relationships with Faculty the Annual Faculty day was organized inviting academic and senior administrative staff to visit the Library to learn about its services and programmes. The work of liaison librarians assigned to maintain contact with departments has continued to be useful in strengthening relationships they have ensured that lecturers are made aware of new publications in their disciplines and are encouraged to help in developing the collection to meet their specific needs.

TECHNICAL SERVICES

Collection Development & Management

The work of the liaison librarians has continued to pay dividends as the number of book orders placed exceeded that of the previous year by 400 and 8138 volumes were added to the collection. The virtual library concept is gradually being realized with the growing number of electronic resources added through linkage to the Library's web page. The impetus to diversify the collection with increased emphasis on the acquisition of Multi-media resources is continuing and during the period 459 items were acquired.

A large collection of audiovisual material donated to the Library at the request of the Latin American Caribbean Centre was handed over by the Spanish Ambassador and was added to the collection.

Oral History tapes and transcripts compiled under the History Department's Social History Project were transferred by the Department to the West Indies and Special Collections Section.

Cataloguing

The main focus of the Cataloguing Section during the year was to develop and enhance the Online Public Access Catalogue (OPAC) for improved access to the Library's collection. As part of the digitization project approximately 60 bibliographic records for photocopies were enhanced with the Electronic Location and Access Field (856) in order to be accessible on the web. Bibliographic records in the OPAC increased from 165,723 at the end of July 2002 to 185,974 at the end of July 2003. Cataloguing Internet Resources was resumed and 37 titles were added to the OPAC, affording users with the opportunity of finding information in another format.

Retrospective Conversion Project

11,713 bibliographic records were added to the OPAC through retrospective conversion.

With this continued growth, patrons are offered a larger pool of sources of information as material which was previously hidden in the card catalogues can now be easily found on the OPAC. Work is continuing on the West Indies and Special Collections and is due to commence shortly on the conversion of the Medical collection.

BIBLIOGRAPHIC RECORDS IN OPAC (*Online Public Access catalogue*)

Gifts

The Dr. Bridget Jones collection of mainly French Caribbean material and personal papers donated during the previous year was processed and transferred to the West Indies and Special Collections Section at the end of the year.

Austin Clarke donated the manuscript of his award winning novel *The Polished Hoe* to the Library.

A trailer of books and periodicals was received from the **American Chemical Society**. Initiated by Professor I. Kahwa, Head of the Chemistry Department, this gift of 20,060 books and 338 periodical titles consisting of 2,158 bound volumes and 4,001 unbound parts is being integrated into the collection and has greatly enhanced the Science Library's resources.

Information Technology Applications and Usage

The upgrading of network infrastructure begun in the previous year enabled provision of additional OPACS and workstations in various areas. The total number of workstations in the Main, Science and Medical Libraries now stands at 240 including 138 which are available for student access and another 28 dedicated for accessing the Library OPAC .

The computer reservation system, Pharos Signup, was implemented in Main Library's MERIC in October 2002 and later extended to Postgraduate and Overnight Reading Rooms and MERIC in the Science Library. It allows for workstations to be reserved and controls the length of sessions and number of times students can access workstations, and is functioning well.

The installation of 20 work stations in the Overnight Reading Room now provides access to the Library's databases and other electronic resources during periods when the Library is closed. The acquisition of the new Integrated Library System is still anxiously awaited.

Digitization

A total of 860 undergraduate examination papers were added to the Library's OPAC during the academic year 2002-2003. Holdings now span the period Semester II 1999/2000 to Semester 1 2002/2003. Collection of examination papers on a weekly basis has overcome the long existing problem of gaps in the receipts from the Examination Section. Work also

continued on the pilot project designed to create an electronic reserve collection. Copyright clearances were obtained from staff whose publications have been placed on reserve and this material was digitized and made accessible to students. The project is continuing and as more material is added, the service to our clients will be enhanced as more material will become available on line.

Electronic Journals & Databases

During the year under review the Library spent approximately US\$100,000 on subscriptions to online databases. The many requests for access to additional electronic access emanating from all faculties were far beyond the Library's present financial resources. Current offerings are being assessed to identify overlaps or deficiencies with a view to ensuring that all subject areas are adequately served.

Access to appropriate free electronic journals is provided but this effort is challenging as links have to be monitored regularly to ensure that they are still active. Notwithstanding the challenges, a systematic examination of all current titles is being carried out with a view to maximising our free options. Closer cooperation with the other campuses with a view to obtaining favourable consortium pricing has resulted in savings on the cost of some data bases.

IN-HOUSE DATABASES

Caribbean Environmental Network (CAREN)

Data entry for the CAREN database continues. Over 2,500 entries were scanned to identify relevant articles for the database.

Special Projects.

Virtual Health Library

A VHL Jamaica website has been created. (<http://198.58.0.114:1107/>). There are a number of active links including that of the Ministry of Health. The Medical Library is the designated coordinating centre and its Librarian, Country Coordinator for the Project. The thrust now is to get the various stakeholders to become active participants in the various activities that are required to move the Project forward.

The Electronic Theses and Dissertations (ETD)

A proposal submitted by Mrs. Swarna Bandara, Acting Librarian-in-Charge of the Medical Library for an *Electronic Thesis and Dissertations Project* was accepted and preparatory work is now being done to launch this in the coming academic year. This initiative will involve graduate students presenting their theses and dissertations in electronic format and for existing printed ones to be digitized. Among the many benefits of this project is the empowerment of the University to unlock its information resources to the international community thus gaining further recognition globally. This initiative will allow the University of the West Indies to be a part of the **Networked Digital Library of Theses and Dissertations (NDLTD)** which already involves over 64 universities in the US and 60 others worldwide along with 17 institutional members.

Caribbean Disaster Information Network (CARDIN)

Work on this project was continued with the following activities

1. Delivery of a workshop to 36 participants on Preservation and Disaster Planning for Disaster Information Units. This was organized jointly with CDERA in Barbados from 11th to 14th November 2002.
2. Training of staff at the Meteorological Office in Jamaica and assistance with organization of its Disaster Information Unit.
3. Updating of the CARDIN Website resulting in the creation of a Caribbean Virtual Library of disaster information with direct link to the CARDIN data base, interactive features and discussion groups.
4. Production of various publications designed to promote the activities of CARDIN.

Although funding support from The European Commission Humanitarian Organization (ECHO) came to an end during the year, the project is being continued by the University of the West Indies.

Research Day 2002

Library staff contributed to Research Day 2002 through the successful compilation and publication of *Research for Development, Vol.2; A*

Bibliography of staff publications, 1998-2002 providing information on 2215 items of publications produced by Campus staff.

Exhibitions

Major exhibitions included the following:-

The George Lamming Exhibition: A multi-media exhibition on the life and work of George Lamming mounted to mark the Conference organized by the **Institute for Caribbean Thought** in his honour. His publications were displayed and accompanied by posters and multimedia presentations comprising PowerPoint, video and audiotape presentations.

West Indies Cricket Board: A photographic display mounted at the Jamaica Pegasus Hotel to commemorate the 75th Anniversary of test status for the West Indies and to coincide with the launch of the book – *A Nation imagined* by Prof. Hilary Beckles, Principal of the Cave Hill Campus.

University of the West Indies Hospital 50th Anniversary: In collaboration with the University Hospital Administration, the public service area on the ground floor of the Medical Library was converted into an exhibition area to host the displays of the various departments of the Hospital for the Week February 10-14, 2003, in celebration of their 50 years as an institution. This Exhibition showcased the past, present and future activities of each department.

STAFFING

The year under review was one of change: During the first Semester of the Academic Year, Mrs. Norma Amenu-Kpodo continued to act as Campus Librarian vice Ms Stephney Ferguson who resumed duties when her Sabbatical Leave ended in January 2003.

Ms Patricia Dunn, Senior Librarian I, Head of West Indies and Special Collections and Mrs. Laxmi Mansingh, Senior Librarian II retired effective September 30 2002. The Library said farewell to them at a function at the Visitors' Lodge when their sterling contribution to the development of the Campus Library service was acknowledged.

Mrs. Enid Brown, Senior Librarian I, assumed the position of Librarian-in-charge of the Science Library while Mrs. Swarna Bandara and Mrs. Frances Salmon were appointed to act as Librarians-in-charge of the

Medical Branch and the WISC Section respectively to replace, Mrs. Laxmi Mansingh and Miss Patricia Dunn.

Student Assistants

The Student Assistants continued to provide invaluable service to the Library. The Library is the largest employer of this group on the campus and it is true to say that without their input the work would be seriously compromised. A short training programme has been developed for this category of staff and in conjunction with this a **Student Assistants' Handbook** and a leaflet, "Guidelines for Student Assistants" have been produced to re-inforce the training programme.

Awards

Mrs. Norma Amenu Kpodo, Deputy Campus Librarian was awarded **Librarian of the Year** by the Library and Information Association of Jamaica (LIAJA) and also by ACURIL at the regional level for the English-speaking Caribbean.

Mrs. Verna George and Mrs. Paulette Kerr won the Sherlock-MacMillan ACURIL Award for their Power-Point presentation/paper entitled *"Parties for Partnership: Getting Faculty Aboard an IL Initiative"*.

Mrs. Leona Bobb-Semple, Senior Librarian I received a National Endowment for the Humanities Award to pursue training in preservation management and Miss Beverley Lashley, Librarian III was awarded a Fulbright Scholarship under the Central America/Caribbean Special Foreign Researcher Program in support of her work in cooperative disaster recovery strategies for Libraries.

Improvements to the Physical Plant

Improvements to the physical plant contributed to the development of an environment for students conducive to study and reflection and a more comfortable working environment for staff, leading to increased productivity. Included in this effort were:-

- a. the paving and furnishing of the eastern court yard, turning it into an outdoor group study area for students using the Overnight Reading Room.
- b. Partitioning and reorganization of the technical services area to improve workflow and enhance security of materials being processed.

- c. Installation of cellular telephone blocking equipment in the Main Library and the Science Branch to minimize the nuisance caused by cellular telephone users.

PAPERS PRESENTED

Enid Brown

- “The University of the West Indies, Mona Campus Libraries as a Cultural Space” at SALALM XLVIII, Cartagena, Columbia, May 23-27, 2003.

Paulette Kerr

- “Cliff Tyrell: Pioneer Jamaican Cartoonist” Staff/Graduate Seminar, Department of History, UWI, Mona, November 2002
- “IL Alliances: University Library and High School Libraries working together for lifelong learning” with Verna George: IASL Reports 2003: School Libraries Breaking
- Down Barriers: Selected Papers from the 32nd Annual Conference of the International Association of School Librarianship. Durban, South Africa, July 2003.

Margarette Pearce

- “Collection Development: Issues and Strategies for Academic Libraries” 3rd COLINET Symposium: “Academic Libraries in the Digital Age: Issues and Strategies for Development: Kingston, Jamaica, January 15, 2003

PUBLICATIONS

- * *Research for Development Vol II : A Bibliography of Staff Publications 1998-2002*, Leona Bobb-Semple, chief ed., with Gracelyn Cassell, Myrna Douglas, Tereza Richards, Janet McCallum Technical ed., Kingston, The Library, UWI, Mona. 2003
- * “Jamaica Library Association” **Paulette Kerr, June Vernon.** *Encyclopedia of Library and Information Science*, Vol. 2 (2003) 1423-1435.

Stephaney Ferguson

- * “An Overview of Library Cooperation in the Caribbean” in *Models of Cooperation in U.S. Latin American and Caribbean Libraries: The First IFLA/SEFLIN International Summit on Library Cooperation in the Americas*. ed. Bruce Edward Massis. München: K.G. Saur, 2003. 31-36.

Frances Salmon.

- * “A Survey of Internet Use by Faculty at the University of the West Indies, Mona”. *Library & Information Association of Jamaica (LIAJA) Bulletin* 2002: 31-35.

PUBLIC SERVICE

Norma Amenu-Kpodo

- Executive Secretary, Commonwealth Library Association
- Executive Member, Library and Information Association of Jamaica (LIAJA)
- Executive Member, International Federation of Library Associations, Round Table for the Management of Library Associations.
- Member, IFLA National Association Membership Fees Working Group
- Member, University Council of Jamaica Assessment Team
- Member, UNESCO National Commission for Jamaica, Committee for promoting World Book and Copyright Day
- Member, UNESCO National Commission for Jamaica, Committee on Information for All.

Samuel Bandara

- Corresponding Member, Standing Committee of the Section on Acquisition and Collection Development, International Federation of Library Associations and Institutions. (IFLA)

Enid Brown

- Member, SALALM

Stephney Ferguson

- Justice of the Peace
- Vice Chairman, National Book Development Council of Jamaica
- Chair and Chief Judge, Book Industry Association of Jamaica,
- National Publishing Awards Committee, 1999
- Member, Soroptimist International (Kingston)

Beverley Lashley

- Chairperson, Education and Training Working Party, LIAJA

Evadne McLean

- Member, Jamaica Association of Open & Distance Learning Steering Committee for
- BEd. Secondary (Distance) Programme
- Member, Research and Publications Working Party, LIAJA

Margarette Pearce

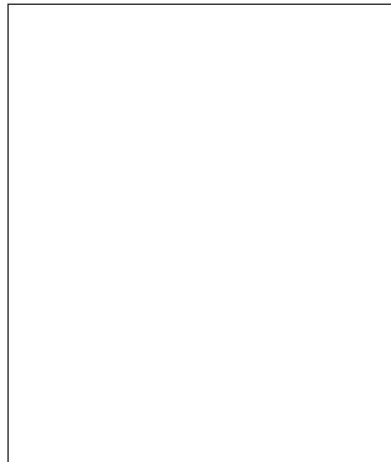
- Member, LIAJA Executive representing University Librarians
- Member, Research and Publication Working Party, LIAJA

Sandra Stubbs

- President, Kiwanis International,

**FACULTY OF HUMANITIES
AND EDUCATION
MONA**

Year ending July 31, 2003



**Professor Aggrey Brown, CD, BA *Hamline*, MA, PhD *Princeton*
– Dean**

DEAN'S OVERVIEW

HIGHLIGHTS OF WORK IN THE FACULTY

Introduction

The new academic year began with the change of name of the Faculty taking effect but also with a less than smooth transition to a new administration within the Faculty. A new Dean took office on August 1st to replace former Dean Pereira who had been promoted to the office of Deputy Principal. The latter was accompanied by the Faculty's secretary, and the Faculty Administrator was appointed Student Services Manager of Mary Seacole Hall to assume duties on August 1st. The Faculty's Administrative Assistant was also on leave for the month of August. The initial transitional period lasted for over a month at the busiest time of the year with the registration of students and the start of teaching. However, the situation was ameliorated somewhat by the willingness of both the new Deputy Principal and Student Services Manager to make themselves available to assist with the transition.

Fortunately as well, a Faculty Retreat which was held in early August involving all Heads of Departments (HODs) and some senior Faculty members also contributed by setting collective goals and objectives for the academic year based on the Faculty's five-year strategic plan. The major objective was to improve the Faculty's already high standard of teaching during the year. Based on the empirical evidence of students' evaluation of teaching, the objective was met but there is still room for improvement.

Physical Plant and Infrastructure

Major renovation of the Faculty's offices was undertaken during the Christmas break with the Faculty's lunch room and photocopying facilities being moved out of the main office. This allowed for a more rational use of space as well as the creation of a Dean's conference room in which HODs and other small meetings could be held. Students were among the first of the Faculty's clients to acknowledge the changes, suggesting that they represented a new welcoming, friendly and at the same time, more businesslike ethos. Important cosmetic changes were also made to the immediate environs of the Faculty with new Vendors' Kiosks being constructed and relocated thereby rationalising use of space and flow of traffic within and around the Faculty. Air conditioning units were also installed in a number of the hottest staff offices and lecture rooms on the Western end of the New Arts Block (NAB) as well as in the graduate students' room, although their commissioning remained contingent on modification of the power supply to the Faculty. An agreement was reached with **MIT**S to have the NAB wired and internet-ready in time for the start of the 2003/04 academic year. Installation of telephone extensions in all staff offices was also planned within the same time frame.

In the Campus' renewed thrust toward student centeredness more attention is being paid to care and maintenance of the Faculty's physical plant and infrastructure since we believe that environmental elements play as crucial a role as any other in work/teaching/learning activities.

The 2003 Budgetary Crisis and the Faculty's Response

The cut-back in the 2003/04 Campus budget created an air of urgency within the Faculty but was seen simultaneously as an opportunity to revisit both at departmental and Faculty levels our modus operandi. An initial response has been revision of some Faculty regulations to make them more student-centered. The changes will take effect in the 2003/04 academic year.

In budgetary terms, the Faculty was required to earn or save J\$28 million as its contribution to a J\$150 million saving levied against all Faculties.

A variety of approaches were taken to meeting this obligation. Using a minimum of 20 students as the benchmark for sustaining the economic viability of courses, a number of departments had to suspend offering some courses; dropping them all together and/or offering such courses in

alternate years or in collaboration with other departments. Savings were also effected by filling senior vacancies at lower levels and in some instances, not filling vacancies at all – and all this with an eye to maintaining academic standards.

The hardest hit department was the **Department of Modern Languages** in which the viability of **French** remains contingent on developing a feasible proposal for radically increasing student intake in the immediate future. The proposal will, among other things, rely on the **recommendations of the External Assessors** who conducted a review of the programme during the year. Notwithstanding, the possibility of multiple redundancies in the department remained on the agenda at the end of the academic year. Offerings in **Spanish** however, remain strong with a new course, **Introduction in Spanish Translation** being offered to Level III students in semester two of the academic year.

While not as acute in other departments, the combined effect of the budgetary shortfall, increasing competition from other tertiary institutions, and the general state of the Jamaican economy, has necessitated re-examining many past assumptions on which the Faculty operated. There is consensus that greater efforts have to be made at the departmental level to assist in the recruitment of good students. And the department of **Language, Linguistics and Philosophy** has set the trend in the Faculty by aggressively marketing its programmes to high schools and other potential students. Those efforts have resulted in **Philosophy** becoming the fastest growth subject in the Faculty, having registration figures of over 600 for the academic year.

However, it is also recognised that more than aggressive marketing of product is required for sustainability. As well, new and more relevant and attractive products have to be designed and developed. In this connection, over fifteen new undergraduate courses were approved for delivery in the 2003/04 academic year with one (**History**) being offered in Summer School 2002. **CARIMAC** extended the length of its summer school by two weeks, adding new courses and varying the length and times they were offered to meet the needs of its various clients. A new **Regional Advisory Board** for the Institute was also appointed by the Principal and had its first meeting in June. Like **CARIMAC**, the department of **Library and Information Studies** also designed and offered non-credit courses in **Archives and Records Management** as well as **Copyright Issues**

Affecting Libraries and Information, in the summer which broadened the base of its potential clients.

The first full face-to-face summer session for participants in the GOJ-sponsored **BEd Distance programme** was also very successful following start-up of the programme in January. However, low uptake in the first cohort resulted in more direct involvement in marketing of the programme to potential participants by the coordinator of the programme. This is expected to result in an increased intake for the January 2004 second cohort.

With an increasing number of students wishing to pursue double majors and multiple minors, work has begun on designing a new **Bachelor's Degree in Liberal Studies** with a view to having it introduced as an option for students at the start of the 2004/05 academic year. A new **B.Ed. in Literacy Studies** is also in the drafting stage with implementation anticipated in the 2004/05 academic year.

Graduate Studies and Research

New options in Geography/Social Studies as well as **Early Childhood Education** were introduced in the academic year. And in April, approval was gained for a new **MA in Philosophy**. Discussions are also well advanced interdepartmentally to introduce an **M.Ed in History** programme. It is also anticipated that the new **M.Ed in Teaching**, designed with a view to attracting potential clients outside formal educational institutions, will be offered in the 2003/04 academic year. New self-financing **MA degrees in Communication for Change**, and **Health Communication** have also been designed and have reached the committee approval stage for delivery in the 2003/04 academic year.

In keeping with the strategic decision to divest most undergraduate Education degree programmes to the teachers' colleges and other tertiary level institutions, discussions have begun and are continuing with the **Mico College, Shortwood Teachers College** as well as the **Edna Manley College of the Visual and Performing Arts** with a view to reaching agreement on **Univeristy College affiliation** by the start of the 2004/05 academic year. This will allow the **School of Education** to concentrate its efforts in the areas of graduate studies and research and in the strategic areas of mathematics and science education at the undergraduate level. In anticipation of this development, a **review of the**

School's graduate programmes was undertaken during the year to help to inform its future directions.

The strategic decision was also taken that all new postgraduate MA programmes will be designed to be self-financing.

Outreach

Beyond the walls of the classroom, the Faculty offered its customary feast of activities of interest to a wider public. Among others were:

- The **Elsa Goveia Memorial Lecture** in April, hosted by the History and Archaeology department.
- The annual **Bob Marley Lecture**, “The Challenges Facing the Jamaican Music Industry”, by Dr. Michael Witter, sponsored by the International Reggae Studies Center
- The Biennial **Conference of Mathematics Educators**, in April, hosted by the Department of Educational Studies
- The launch of Emeritus Professor **Edward Baugh's CD**, *It Was the Singing*, hosted by the Department of Literatures in English
- The annual **Forum** hosted by the School of Education and held in the Civic Center, Montego Bay
- The launching of the **Center of Excellence in Teacher Education**, the Institute of Education
- Monthly performances in the **Culture inna di Courtyard** series under the auspices of the Institute of Caribbean Studies
- The annual **Walter Rodney Lecture** by Prof. Carolyn Cooper, hosted by the University of Warwick in November

In addition to the usual scholarly publications emanating from members of the faculty, there were also a number of book launches worthy of note. Among these were:

- i) Professor Maureen Warner Lewis' *Central Africa in the Caribbean: Transcending Time, Transforming Culture*
- ii) Dr. Curdella Forbes' *Songs of Silence*, and *Flying With Icarus*

iii) Dr. Paulette Ramsay's, *Aunt Jen*

Staffing

The Faculty celebrated the promotion to Professorship of **Dr. Zellynne Jennings**, Head of the Department of Educational Studies and **Dr. Hyacinth Evans** of the Institute of Education as well as the award of National Honours to **Professor Aggrey Brown**, Dean of the Faculty, who was awarded the CD by the Government of Jamaica in recognition of his “outstanding services to education and the media of communication”.

- Drs. Marjan deBruin succeeded Prof. Aggrey Brown as Acting Director of CARIMAC
- Dr. Kathryn Brodber, succeeded Prof. Hubert Devonish as Head of Language, Linguistics and Philosophy
- Dr. Waibinte Wariboko was appointed Deputy Dean, (Humanities)
- Ms. Carolyn Allen was appointed Tutor/Coordinator of the PSCCA
- Dr. Nancy Muturi, new member of staff was appointed Lecturer in Health Communication in CARIMAC
- Dr. Matthew Smith joined the staff of the History department.
- The Faculty also said farewell to Dr. June Evans who resigned from the Department of Educational Studies to rejoin her family in Scotland, and Ms. Masako Daimon (Modern Languages -- Japanese)
- Dr. Monica Brown, Deputy Dean (Education) and Director of the School of Education, retired and has been succeeded by Professor Hyacinth Evans in both roles.
- Dr. Beverley Bryan and Dr. Sonia Jones, (Education); Drs. Glen Richards and Jonathan Dalby (History) were on Mona Fellowship leave
- Ms. Althea Gordon succeeded Ms. Dorothy Hudson McGhie as Faculty Administrator

Conclusion

The major challenge of the year was maintaining the Faculty's high academic standards in the face of the sudden transition to a new Faculty administration and the budgetary crisis of the Mona Campus occasioned by decisions of the TAC. The challenge has so far been met head-on by a resolute and committed Faculty, so that by the end of the year, we could point to a number of worthy successes including, most importantly, meeting our collective objective of improving the already high quality of teaching/learning in the Faculty. Indeed, the Faculty has seen the budgetary constraint as an opportunity to re-examine its *modus operandi* with a view to being more competitive in an environment with many players. That process has begun on a positive note.

CARIBBEAN INSTITUTE OF MEDIA & COMMUNICATION (CARIMAC)

Marjan de Bruin, Drs *University of Amsterdam* – Director

WORK OF THE DEPARTMENT

Staff and Students

Dr. Nancy Muturi joined CARIMAC's staff as a lecturer, in December 2002. She is especially responsible for teaching and research in Communication for Behaviour and Social Change. Her position is funded by the European Union through the University's HIV/AIDS Response Programme (HARP). Mr. David Williams, Coordinator of CARIMAC's Multimedia Department, spent a year in the United Kingdom to complete a Diploma Programme and a Masters Degree in 3D Animation/ Multimedia. Mr. Colin Young acted for him.

The 2002/2003 intake of Undergraduate students was 69 – about 40% more than the previous year. The bi-annual intake for the Masters Programme in Communication Studies has grown from 8 (first cohort) to 23 (intake 2002).

CARIMAC's Programme

During the Academic year CARIMAC decided to refocus and reposition the Institute to respond better to the needs of its current constituencies. We also developed new strategies to reach out to potential students or customers in a more effective manner and developed new products (course offerings) to widen our appeal to new constituencies.

Restructuring current teaching

Some of the Institute's current teaching was restructured to make it more cost efficient. We re-started the Diploma programme and developed several new courses and programmes. Our decision to diversify to serve a wider constituency is demonstrated by the much wider variety of Summer School courses (evenings, one week courses, weekend courses etcetera), and in the Certificate Programmes which we aim to have on the books for the next Academic year.

This year's Summer School attracted 106 participants. The most popular courses were: Techniques of Writing (four Saturdays taught by John Maxwell), Public Speaking (four Saturdays taught by Mrs. Alma Mock Yen and Mrs. Erica Allen) and Public Relations (a 4 week evening programme taught by Mr. Keith Brown), together drawing about half of the participants.

New programmes

The HIV/AIDS epidemic in the Caribbean has made "communication for behaviour change" a priority imperative. Despite dozens of initiatives designed to provide effective information with a view to behaviour change, and despite a high level of knowledge within the target audience, dangerous behaviours continue to be the norm and very little actual behaviour change has taken place.

CARIMAC developed the new **MA in Communication for Behaviour and Social Change** in response to the fact that the Caribbean region is one of the world's worst affected regions by the HIV/AIDS epidemic. The one-year full-time programme will begin in January 2004 and will graduate at least twenty people per annum. The programme focuses on critical problem areas where behaviour change could improve the quality of Caribbean life (public health; environment, etc.).

Developing Distance Education

We also developed a Development Plan towards a School of Communication, in which distance teaching will be a major component. Although the willingness is there, CARIMAC has not had the financial and physical resources or manpower to develop Distance Education as suggested by the faculty.

Connections with constituencies

CARIMAC employs several strategies to animate the connection with its constituencies. The input of these constituencies is essential in teaching and education as well as in research. In both these areas market developments should help set the agenda and function as a yardstick for assessing the value and reach of CARIMAC 's output.

The institutionalized relationship with our constituencies received special attention. At the request of the Principal we re-established a Regional Advisory Board, which held its inaugural meeting in June 2003.

At a more direct level CARIMAC initiated the first in a series of regular meetings between each of CARIMAC's departments and representatives of the industry sector which they serve. Five meetings were held in the months of April, May and June.

Last December a CARIMAC Occasional paper carried the results of a region-wide needs assessment among CARIMAC graduates and managers and decision-makers in the media and communication industry.

Relations with other Caribbean Universities

There are working relationships with the two new universities in Jamaica – the University of Technology and the Northern Caribbean University. There is also a developing relationship with the University of Puerto Rico. A very important new development which had to be temporarily suspended for lack of funding is a special programme to train Haitian journalists in the aftermath of thirty years of dictatorship.

Obstacles to growth

Over the year, we identified serious obstacles to CARIMAC's ability to serve its designed functions and to grow and expand these services. The most urgent question discussed among the staff is: does CARIMAC have the capacity to meet the demands of these expanded challenges and to realize its priorities?

Faculty: In 1974 CARIMAC started with an intake of 31 students for the one year Diploma programme taught by a faculty of six full time members of staff. This year CARIMAC's intake is more than twice as high, its student population almost seven times as large, yet the staff complement has remained the same as it was nearly 30 years ago (six

members of academic staff, including the Director). CARIMAC serves currently an average of 210 students in graduate and undergraduate programmes plus hundreds more in the annual Summer School.

Students: This year, like the year before, the Institute turned away more than seven of every ten candidates for entry. The Institute has reached the point at which it simply cannot grow anymore given the limitations of space and staff. We are short of office space – administrative and academic – classroom space, reading room, common room/waiting room space.

Physical infrastructure: CARIMAC has outgrown its building and exhausted its options for further modification. Every possible corner and closet has been turned into a workspace. As the latest Quality Review (2000) stated: “There is a strong case for additional space.”

Curriculum: CARIMAC is a teaching department of the University within the Faculty of Humanities and Education. A substantial minority of its output is technical training (about 30 to 40% of class hours). There is insufficient production of communication content and not enough hands-on experience built into the programmes. One option discussed by the staff is a four years Undergraduate programme, in which the fourth year would be devoted entirely to internships. This discussion will be continued in the new Academic Year.

AWARDS

Ms. Yvette Rowe received the Principal’s Award for the Project Attracting the Most Research Funds (Research Day 2002). The Award related to her TV series for Youth. Now on adolescents and reproductive health.

RESEARCH IN PROGRESS

Drs. Marjan de Bruin

- Gender and Identity Construction Caribbean Newsrooms.
- Health Communication in the Caribbean.
- Communication for Behaviour Change in the Caribbean.

Dr. Hopeton Dunn

- Public Service Broadcasting and Educational Television in the Caribbean: Just Look at Us Now.
- Captivating Audiences: Election Advertising Messages in Print and Electronic Media in Jamaica – 1997 – 2002.
- Changing Channels – An Analysis of the Political Economy of Caribbean Electronic Media.

Dr. Nancy Muturi

- Impact of HIV/AIDS on Religious Institutions.
- Gender-based violence and women's reproductive health in the Caribbean: A communications perspective.
- Homophobia, Violence and HIV/AIDS among Men who Have Sex with Men (MSM) in Jamaica.

Mr. Livingston A. White

- National AIDS Programmes and Behaviour Change in four Caribbean Countries.

Mrs. Corinne Barnes

- HIV/AIDS and Violence against children: The Role of the Media.

Ms. Yvette Rowe

- “Shattered Innocence” Youth.now Project, May – August 2003.

PAPERS PRESENTED

Drs. Marjan de Bruin

- “Media and the HIV/AIDS epidemic: mirrors, channels or partners in change?” Regional Conference on “Media and HIV/AIDS”, Hilton Hotel, Kingston, Jamaica, June 5-6, 2003.
- “More on UWI/HARP”. Faculty of Medical Science Research Day, November 8, 2002.

- “Health Communication in the Caribbean.” Regional Seminar: “Reproductive Health in the Age of HIV/AIDS: Developing Integrated and Effective Health Promotion For Women in the Caribbean Context”, Puerto Rico, May 28-30, 2003.

Dr. Hopeton S. Dunn

- “Media Facilitating Community Development”. Regional Conference on Information and Communication Technologies: ICT for National Development, Jan 29-31, 2003:
- “New Opportunities for a New Journalism”. International Conference on Freedom of Expression, May 3, 2003, Jamaica Conference Centre, Kingston.

Dr. Nancy Muturi

- “Evaluating Effectiveness of Information Dissemination as Health and Safety Intervention.” NORA (National Occupational Research Agenda) Symposium, CDC/APHA June 23-25, 2003.
- “A Social Marketing Approach in Communicating Male Reproductive Hazards”. NORA (National Occupational Research Agenda) Symposium, CDC/APHA, June 23-25, 2003.

Mr. Livingston A. White

- “The Impact of Modern Communication Technologies in the Caribbean” – UWIDEC Sixth Form Discussion Series, April 8, 2003.
- “The Art of Public Speaking” – Norman Manley Law School Debating Society Seminar “The Masters Series: The Essence of the Debate”, February 13, 2003.
- “Careers in Media and Communication” – Munro College Careers’ Exposition 2003, March 21 and Rotary Clubs of Kingston and St. Andrew Annual Careers Day Seminar 2003, March 19.
- “Creating and Designing Advocacy Messages” – targeting adolescent reproductive health Advocacy Training Workshop, Youth Now, Ministry of Health, March 24-28, 2003 – Ocho Rios and June 25, 2003, Mandeville.

Mrs. Corinne Barnes

- “The Portrayal of Youth in the Print Media” Seminar organised by the National Council for Youth, November 21, 2002.

PUBLICATIONS

Refereed

Drs. Marjan de Bruin

- * Teenagers at risk. Kingston, Jamaica: Youthnow//Futures International//Ministry of Health; 2002. 50 pp.

Dr. Nancy Muturi

- * Women Status in Reproductive Health Decision Making,” *Journal of Development Communication*, June 2003, pp 32-50.

Non-refereed

Drs. Marjan de Bruin

- * *CARIMAC at Twenty: Graduates in the Media industry*. Kingston, Jamaica: CARIMAC, UWI; 2002. 53 pp.
- * *Le journaliste face à son métier – Le journalisme dans la Caraïbe*, with Balutansky, Edwige (eds.) – Port-au-Prince/Kingston, Jamaica: Info-Services//CARIMAC; 2002. 112 pp.
- * *L'art de l'interview*, with Balutansky, Edwige (Eds.) Port-au-Prince, Haiti/Kingston, Jamaica: Info-Services//CARIMAC; 2002. 92 pp.
- * *Dynamisons nos reportages – Comment organiser une campagne* (with Balutansky, Edwige (eds.) 103 pp.
- * “Pressions dans la salle rédaction” in: *Le journaliste face à son métier Le journalisme dans la Caraïbe* (with Edwige Balutansky – eds.). Port-au-Prince/Kingston, Jamaica: Info-Services/CARIMAC; 2002; pp. 59-80.
- * “L'impact de la libéralisation (with Brown, Aggrey), in: *Le journaliste face à son métier Le Journalisme dans la Caraïbe*. Port-au-

Prince, Haiti/Kingston, Jamaica: Info-Services/CARIMAC; 2002; pp. 1-5.

PUBLIC SERVICE

Drs. Marjan de Bruin

- Deputy Chair, UWI/HARP (HIV/AIDS Response Programme), Mona.
- Board Member, Women's Media Watch.
- Member, UWI Wellness Committee.
- Vice President, Internal Association of Mass Communication Research (IAMCR).
- Member, Advisory Editorial Board, *Critical Arts: Journal of South North Cultural and Media Studies*, University of Natal, South Africa.
- Member, Editorial Board, *Feminist Media Studies*; Routledge.
- Editor, International Book Series Hampton Press (Gender and Communication).

Dr. Hopeton Dunn

- Chairman & Chief Executive Officer Creative Productions and Training Centre (CPTC).
- Chairman, Jamaica Telecommunication Advisory Council (JTAC), of the Government of Jamaica.
- Board Member, National Library of Jamaica.
- Member of the International Board of Directors, CUSO
- Commissioner, Broadcasting Commission of Jamaica.
- Alternate Representative for Jamaica-Steering Committee for the Latin American and Caribbean Regional Network of the United Nations Information and Communication Technologies (ICT) Task Force.

- Associate Editor, *Critical Arts: A Journal of South North Cultural and Media Studies*, University of Natal, South Africa.

Dr. Nancy Muturi

- Member, UWI/HARP Curriculum Development Committee.

Livingston White

- Chairman, Interim Planning Committee, CARIMAC Alumni Association.
- Secretary and Member, Fulbright Alumni Association of Jamaica (2002-2003).

Mrs. Corinne Barnes

- Member, International Association of Business Communication (IABC).
- Member, Internal Association of Mass Communication Research (IAMCR).
- Member, Interim Planning Committee, CARIMAC Alumni Association.

DEPARTMENT OF HISTORY and ARCHAEOLOGY

Dr. Swithin Wilmot, BA *UWI*, DPhil *Oxf* – Head of Department

WORK OF THE DEPARTMENT

The **Archaeology Unit**, under the direction of **Philip Allsworth-Jones**, undertook excavations at Colerine in St. Mary between July 18 and August 13, 2003. As in the previous four years, this was part of a joint project on Pre-Columbian Archaeology run in association with **Professor Kit Wesler** from Murray State University (USA) and was funded jointly by the Mona Campus and Murray State University. Students in the second year course in Archaeological Methods and Techniques participated. Further, under arrangements sponsored by the Jamaica Bauxite Institute, a CD-ROM containing the full inventory for the James Lee Collection was completed and showcased in May 2003. **Ms. Esther Rodriques** worked on this project as Database Officer.

The **Social History Project**, under the guidance of its director, **Brian Moore**, mounted its fourth annual Postgraduate/Staff Symposium in the Council Room on April 12, 2003. The panels discussed a wide range of social history topics and the seminar was well attended. The Project's Newsletter was also published under the editorship of **John F Campbell**.

The **Staff/Postgraduate Seminar** programme continued as the main outlet for sharing the research findings of the Department's staff and graduate students, and other academic colleagues also participated. Very ably coordinated by **Waibinte Wariboko**, it enjoyed another productive year.

The **History Club** which exposes the students to history beyond the classroom had a very active year. Besides historical tours, the Club mounted an exhibition in support of the University's Research Day in

January 2003, and in April 2003 held their Mini History Day that showcased the history of the Mona Campus, as well as various aspects of Jamaica's heritage. **John F Campbell** and **Jenny Jemmott** very effectively coordinated these activities.

STAFF

Swithin Wilmot assumed the Headship of the Department in August 2002. **Jonathan Dalby**, **Kathleen Monteith** and **Glen Richards** went on Fellowship Leave and **Simone Gigliotti**, **Aleric Josephs** and **John F Campbell**, respectively, replaced them. **Michele Johnson** also went on leave and **Matthew Smith** acted in her post, while **Steve Buckeridge** from Grand Valley State University, Ohio, was a Visiting Ford Foundation Fellow for the academic year.

The **Department** was recognized for its outstanding research in the Faculty of Humanities and Education as part of the Mona Campus Research Day Celebrations in January 2003. **Allister Hinds** was promoted to Senior Lecturer and **Waibinte Wariboko** served as the Deputy Dean in the Faculty of Humanities and Education. **Roy Augier** was elected Honorary Fellow of the Institute of Jamaica, **Simone Gigliotti** received a fellowship from the Center for Advanced Holocaust Studies, and **James Robertson** was awarded fellowships to Oxford Brookes University and to the John Carter Brown Library. **Waibinte Wariboko** was awarded a Mona Research Fellowship and **Verene Shepherd** was one of thirty Jamaican authors honoured by Kingston Bookshop.

The Department maintained its extensive **Outreach** activities. In April and May 2003, the Department conducted its annual series of lectures for sixth-formers, focusing particularly on the CAPE History Syllabus. **Swithin Wilmot** coordinated these workshops and **Sultana Afroz**, **John F Campbell**, **Simone Gigliotti**, **Allister Hinds**, **Verene Shepherd**, **Matthew Smith**, **Swithin Wilmot** and **Waibinte Wariboko** participated. The Department also maintained its public profile in supporting significant events in Jamaica's national Calendar and **Patrick Bryan**, **Veront Satchell**, **Verene Shepherd** and **Swithin Wilmot** either delivered public lectures or participating in media commentaries commemorating Emancipation. **Sultana Afroz** gave four public lectures and also addressed students at St. Hugh's High School on topics related to Islam in Jamaica and in the Middle East, and addressed a public forum in

Portmore on the war in Iraq. She also gave four interviews on the electronic media on either the Iraqi War or Islam in Jamaica. **John Campbell** lectured at the United Theological College on the Caribbean Woman's experience in slavery and indentureship, and served on the panel of Judges for the Caricom Debating Competition. He also was a member of the Faculty of Humanities and Education team that visited schools to encourage enrollment at the UWI. **Allister Hinds** assisted in the history program at Ardenne High School and coached the school's Debating Team. **Glen Richards** delivered two public lectures, one each in St. Kitts and in Nevis, which were part of the Constitution Lecture Series sponsored by the School of Continuing Studies in St. Kitts and Nevis. **James Robertson** conducted a tour of Spanish Town for the Archaeological Society of Jamaica. **Veront Satchell** delivered the public lecture at the Tackey celebrations in St. Mary and participated in a panel discussion on African Cultural Links in Jamaica, sponsored by the African Caribbean Institute of Jamaica. He also addressed the Annual General Meeting of the Methodist Men's Fellowship on mentoring young males, spoke to the Kiwanis Club of Down Town Kingston on the environmental hazards of squatting in Jamaica, and prepared a report on the State of Christian Education in Anglican Schools. **Verene Shepherd** participated in a panel on 'Memorializing the Ancestors', sponsored by the Jamaica Cultural Development Commission, contributed to a media discussion on the legacies of slavery and addressed students at CASE and Wolmer's High School. **Matthew Smith** was a consultant and interviewee on Channel 4/CTV documentary film, "Bob Marley's, *I Shot the Sheriff*" and co-hosted *Okombosi*, on Radio Mona, FM.93. **Swithin Wilmot** spoke on "History and the Historian" on Radio Mona, FM. 93, was interviewed on JIS Radio on the relevance of National Heroes, and was a consultant and commentator for the video production, *Blacks in the Americas*, which was aired on BBC TV.

On September 11, 2002, Sister Noel Menezes, Professor Emeritus, University of Guyana, delivered the **18th Annual Elsa Goveia Memorial Lecture** on the topic: "The Rise of the Portuguese in British Guiana from Poverty to Affluence, 1835-1965". On April 9, 2003, Professor Howard Johnson, University of Delaware, delivered the **19th Annual Elsa Goveia Memorial Lecture** on the topic: "The Politics of the Past: National Heroes in Post Colonial Jamaica".

RESEARCH IN PROGRESS

Sultana Afroz

- Islam in Jamaica/ Women in Islam.
- Kashmir in United States Policy towards Pakistan.

Philip Allsworth-Jones

- Archaeology of Jamaica, West Africa, Central and Eastern Europe.

Roy Augier

- Government and Politics in the Anglophone Caribbean.

Patrick Bryan

- A History of Wolmer's Schools.
- Jamaica's aviation history.
- The 1938 labour riots in Jamaica.

Carl Campbell

- Education policies of Caribbean States, 1500-1990.

John F. Campbell

- Gender and Theory in past and Contemporary Caribbean History.
- Sexuality in History.

Jonathan Dalby

- Society, property and family relations in a French rural parish: Boisset since 1700.
- Crime and punishment in Jamaica in the eighteenth and nineteenth centuries.

Wigmoor Francis

- Theophilus Scholes.

Simone Gigliotti

- Jewish Refugees and Enemy Aliens in Jamaica during World War II
- Sosua, Dominican Republic: a Caribbean refuge from Nazism.

Allister Hinds

- Federation in the Eastern Caribbean
- Colonial Agricultural policy in Nigeria, 1920-1951.

Jenny Jemmott

- The Family in Jamaica, 1834-1880.

Michele Johnson

- The cultural history of Jamaica, 1865-1920.
- Domestic servants in American television situation comedies, 1960-80.

Aleric Josephs

- Women's writing as sources of Caribbean history.
- Women in the missionary enterprise.

Kathleen Monteith

- History of Barclays Bank (DCO) in the West Indies, 1926 – 1962.
- Coffee in Jamaica, 1790-1850.

Brian Moore

- Society, politics and culture in post-emancipation Guyana.
- The cultural history of Jamaica, 1865-1920.

James Robertson

- Capital cities in the English Atlantic.
- Early English Jamaica.
- A history of Spanish Town.

Veront Satchell

- Technology and Jamaican/Caribbean Slavery.
- Socio-Economic and Political Significance of Land in Post Slavery Jamaica.
- Lower Class Religion in Jamaica.

Verene Shepherd

- Slavery and alternatives to the sugar economy in 18th and 19th century Jamaica.
- Migration and the Asian Diaspora in the Caribbean.
- Historical Dictionary of Caribbean women.
- Voices of the 1831/32 Emancipation War in Jamaica.

Matthew Smith

- Radical political movements in post-occupation Haiti.
- Haitian migration to Jamaica in the nineteenth and twentieth centuries.

Waibinte Wariboko

- West Indian missionaries in the Niger Mission to Southeastern Nigeria, 1896-1925.

Swithin Wilmot

- Social and political history of nineteenth century Jamaica.

PAPERS PRESENTED**Sultana Afroz**

- ‘The Invincibility of Islam in Jamaica’. Keynote Address, Seminar on Islamic Awareness in Jamaica, organized by the Islamic Council of Jamaica, Masjid Hussein, Westmoreland, May 25, 2003.

Roy Augier

- 'The Historical Antecedents of Modern West Indian Government.' Department of History and Archaeology Staff/Postgraduate Seminar, UWI, Mona, March 14, 2003.

John F Campbell

- 'Caribbean Historical Activism and Tropological Methodology: The case for the "epic" theory of Onto-theological reductionism.' Department of History and Archaeology Staff/Postgraduate Seminar, UWI, Mona, January 30, 2003.
- "We run the farm!" A case study of rural women in sugar management in 18th Century Jamaica'. New Mexico State University, Las Cruces, New Mexico, February 20 – 23, 2003.
- "No longer victims". Towards a methodology for voicing the experiences of enslaved women on 18th Century Caribbean Sugar Estates'. Gendering the Diaspora Conference, Dartmouth College, New Hampshire, November 22-24, 2002.
- 'The Problem of Memory: Some thoughts on 21st Century Caribbean Historiography'. Department of Sociology and Social Work. Critical Issues in Caribbean Society and Culture: Seminar Series, UWI, Mona, October 31, 2002.

Simone Gigliottii

- 'Detained and Destitute: Italian enemy Aliens in Jamaica, 1940 – 1945'. Social History Project Symposium, UWI, Mona, April 12, 2003.

Aleric Josephs

- 'Becoming and Being Mothers: Childbearing in Eighteenth and Nineteenth Century Caribbean,' Social History Project Symposium, UWI, Mona, April 12, 2003.

Glen Richards

- 'The Plantation Past, "Moral Economy" and Workplace Governance in the Caribbean'. 1st. Labour Policy Conference, UWI, Mona, April 5, 2003.

James Robertson

- 'As the John Crow flies: Aerial photographic resources available to Jamaican archaeologists', Archaeological Society of Jamaica Symposium, UWI, Mona, April 3, 2003.
- 'Re-imagining public space: reshaping Spanish Town, Jamaica's main square, 1534-2001', 3rd Savannah Architectural History Symposium, Savannah College of Art and Design, February 22, 2003. and Social History Project Symposium, UWI, Mona, April 12, 2003.

Veront Satchell

- 'Sugar Estate Ruins Foci for Industrial Archaeology in Jamaica'. Archaeological Society of Jamaica Symposium, UWI, Mona, April 3, 2003.

Verene Shepherd

- 'Roots of Routes: The Historical Context of Intra-Caribbean Trade Routes'. Latin America Cultural Centre Seminar, UWI, Mona, July 9-11, 2003.
- 'Caribbean Links: The Historical Roots of Intra-Caribbean Trade'. UNESCO/TST African Diaspora Conference, Curaçao, June 28-July 1, 2003
- 'From Contract Workers to Entrepreneurs: The Roots of Indian Socio-Economic Transformation in Jamaica'. Indian Diaspora Conference, Trinidad & Tobago, June 2-3, 2003
- 'The Historical Rationale for Reparation'. Jamaica Reparations Movement Symposium, UWI, Mona, February 22, 2003.
- 'Blacks in the White Imagination'. Gendering the Diaspora Conference, Dartmouth College, New Hampshire, November 22-24, 2002.
- 'Women's History in the Caribbean'. CODESRIA Workshop, Dakar, Senegal, September. 18-20, 2002

Matthew Smith

- “The Haitian *Kulturkampf*”: A Perspective on the 1942 Anti-superstition Campaign in Haiti’. Social History Project Symposium, UWI, Mona, April 12, 2003.
- “I Put the Mob’s Wishes into Effect”: Daniel Fignole and the Crisis of the Haitian Labour Movement’. Department of History and Archaeology Staff/Postgraduate Seminar, UWI, Mona, February 23, 2003.
- ‘Ideology and the Rise of Haitian Labor’. Latin American History/American Historical Association Conference, Chicago, USA, January 2-5, 2003.

PUBLICATIONS

Refereed

Sultana Afroz

- * ‘Invisible Yet Invincible: The Muslim *Ummah* in Jamaica’. *Journal of Muslim Minority Affairs*, 23, 1, (2003): 211-222.

Philip Allsworth-Jones

- * ‘Excavations at Green Castle, Jamaica, 1999 – 2001’ [with Kit Wesler], *Proceedings of the XIX International Congress for Caribbean Archaeology, Aruba, 2001*, Volume 1. Aruba: The Archaeological Museum, 2003, 186 – 193.

Roy Augier

- * ‘Caribbean Governance Systems: The Historical Legacy’. Kenneth O. Hall and Dennis Benn (eds.), *Governance in the Age of Globalization*, Kingston: Ian Randle Publishers, 2003, 213 – 228.

Patrick Bryan

- * *Philanthropy and Social Welfare in Jamaica*, Kingston: SALISES, 2002, 96 pp.

- * A translation from the original Spanish of Francisco Morales Padron, *Jamaica Espanola*, Kingston & Miami: Ian Randle Publishers, 2003, 369 pp.
- * 'Augusta Zelia Fraser in Jamaica: The Case for Racial Separation'. *Caribbean Quarterly* 48: 4 (2002): 12-26.
- * Introduction to Lennie Ruddock, *With the sound of the Steam Korbhi: A Jamaican Community Struggle for Survival as Part of their Heritage*, Kingston: Arawak Press, pp vii – xii.

Simone Gigliotti

- * 'Unspeakable Pasts as Limit Events: the Holocaust, Genocide and the Stolen Generations'. *Australian Journal of Politics and History*, 49, 2 (2003): 164-181.
- * 'Mark Baker', 'Abraham Biderman', and 'Lily Brett'. S. Lillian Kremer (ed.) *Holocaust Literature: An Encyclopedia of Authors and their work*, Vol. 1. New York: Routledge, 2002, 94-97, 152-154, 187-190.

Michele Johnson

- * 'Challenging the "Civilizing Mission": Cricket as a Field of Socio-cultural Contestation in Jamaica, 1865-1920 [with Brian Moore]. Alvin O. Thompson (ed.), *In The Shadow of the Plantation: Caribbean History and Legacy*. Kingston: Ian Randle Publishers, 2002, 351-375.

Kathleen Monteith

- * 'Pen-keepers and Coffee Farmers in a Sugar-Plantation Society'[with Verene Shepherd]. Verene A. Shepherd (ed.), *Slavery Without Sugar: Diversity in Caribbean Economy and Society Since the 17th Century*. Gainesville: University Press of Florida, 2002, 82-101.

Brian Moore

- * 'Challenging the "Civilizing Mission": Cricket as a Field of Socio-cultural Contestation in Jamaica, 1865-1920 [see Michele Johnson].

Glen Richards

- * 'Race, Labour and the Colonial State in St. Kitts & Nevis, 1897 – 1922'. S. Augier, and O Edgecombe-Howell (eds.), *Beyond Walls" Multi-disciplinary Perspectives Volume 1: St. Kitts & Nevis*. St. Augustine: School of Continuing Studies, 2002, 165-177.

James Robertson

- * 'Re-inventing the English conquest of Jamaica in the late seventeenth century'. *English Historical Review* 117 (2002): 813-839.

Veront Satchell

- * 'The Rise and Fall of Railways in Jamaica, 1845–1975'. *Journal of Transport History* 23, 1 (2003): 2-22.

Verene Shepherd

- * *Maharani's Misery: Narratives of a Passage from India to the Caribbean*. Kingston: UWI Press, 2002, 177 pp.
- * *Slavery without Sugar: Diversity in Caribbean Economy and Society since the 17th Century*. [ed]. Gainesville: University Press of Florida, 2002, 284 pp.
- * 'Comparisons: The Caribbean' [with Carleen Payne]. Daniel Vickers (ed.), *Anthology: A Companion to Colonial America*. Garland Publishers, 2003, 425-450.
- * 'Indians in Jamaica: From Indentured Labourers to 'Respectable' Citizens'. *India Perspectives*, 16, 1 (2003): 36-40.
- * 'Passage Interrupted: Questioning Maharani's Ordeal on the *Allanshaw* to Colonial Guyana'. Laura Muñoz, Coord., *México el Caribe: vínculos, intereses, región*, TOMO 1, Instituto Mora, 2002, 311-326.
- * 'Petticoat Rebellions: The Black Woman's Body and Voice in the Struggles for Freedom in Colonial Jamaica'. Alvin O. Thompson (ed.), *In The Shadow of the Plantation: Caribbean History and Legacy*. Kingston: Ian Randle Publishers, 2002, 17-39.

- * 'Pen-keepers and Coffee Famers in a Sugar-Plantation Society'[see Kathleen Monteith].
- * 'Image and Representation: Black Women in Historical Accounts of Colonial Jamaica'. Catherine Higgs, et. al. (eds.), *Stepping Forward: Black women in Africa and the Americas*, Ohio University Press, 2002, 44-56.
- * Foreword to O. Nigel Bolland, *Colonialism and Resistance in Belize* Cubola, 2003.
- * Foreword to the 5th edition of *Lady Nugent's Journal*. UWI Press, 2002.

Swithin Wilmot

- * 'A Stake in the Soil': Land and Creole Politics in Free Jamaica, the 1849 Elections'. Alvin O. Thompson (ed.), *In The Shadow of the Plantation: Caribbean History and Legacy*. Kingston: Ian Randle Publishers, 2002, 314-333.

Non-Refereed

Sultana Afroz

- * Setting the Record Straight: The Invincibility of Islam in Jamaica, 5-part series, The Sunday Gleaner 2002-2003.

Veront Satchell

- * *Reparation and Emancipation: The Lesson and The Legacy*. Churches Emancipation Lecture July 2003. 28 pp.

Verene Shepherd

- * *Challenging Masculine Myths: Gender, History Education and Development in Jamaica*. PIOJ's 2002 Dialogue for Development Lecture, November 2002, 79pp.

PUBLIC SERVICE

Philip Allsworth-Jones

- Member, Executive Committee of the Archaeological Society of Jamaica.
- First Vice-President, Jamaica Historical Society.
- Member, Museums Advisory Board of the Institute of Jamaica.
- Member, Board of Jamaican National Heritage Trust.

Roy Augier

- President, International Drafting Committee of the UNESCO General History of the Caribbean.
- Vice-Chairman, Teachers' Services Commission (Jamaica).
- Member, Schools Examinations Committee, Caribbean Examinations Council.

Patrick Bryan

- Chairman, Museums Advisory Board, Institute of Jamaica.
- Chief Examiner in Caribbean History, Caribbean Examinations Council.
- Member, Council of the Institute of Jamaica.
- President, Jamaica Historical Society.

Carl Campbell

- Member, Executive Committee, Jamaica Historical Society.
- Editor, *Jamaican Historical Review*.
- Reviews Editor, *Journal of Caribbean History*.

Allister Hinds

- Industrial Relations Consultant to the CXC Western Zone Officers.

Jenny Jemmott

- Member, Board of Directors, Jamaica Cancer Society.

Michele Johnson

- Member, Board of the African-Caribbean Institute of Jamaica.

Aleric Josephs

- Member, Board of the Womens Resource and Outreach Centre.

Brian L Moore

- Member, Editorial Board, *Journal of Caribbean History*.

James Robertson

- Member, National Archives Committee.
- Member, Board of the Archaeological Society of Jamaica.

Veront Satchell

- Member, General Committee of the Jamaica Church Missionary Society.
- Member, Anglican Diocesan Youth and Education Board.

Verene Shepherd

- Member, Board of the Jamaica National Heritage Trust.
- Second Vice President, Jamaica Historical Society.
- Member, Executive Committee, the Association of Caribbean Historians.
- Member, Advisory Committee, Harriet Tubman Resource Centre, York University.
- Member, Steering Committee, Text and Testimony Collective.
- Member, Academic Advisory Boards of *Jamaica Journal*, *Jamaica Historical Review* and the *Journal of Caribbean History*.

Swithin Wilmot

- Member, Editorial Board, *Journal of Caribbean History*.

- Member, CAPE History Panel, Caribbean Examinations Council.
- Chief Examiner and Chairman of the Examining Committee for CAPE History.
- Member, Advisory Board, Unit for Studies in Biography and Autobiography, La Trobe University, Melbourne, Australia.
- Member, Board of Governors, Holy Trinity High School.
- Member, Board of Trustees, the Archbishop Samuel Carter Educational Fund

CATEGORIES OF STUDENTS

Undergraduates

Code	Course Title	Sat	Passed	%Passed
H13D	Africa in World Civilization to 1800	77		89.61
H14H	States and Societies: Continuity and Change in Early Modern Europe	58		98.27
H15E	The Asian World Prior to 1600	36	36	100.00
H16A	The Atlantic World 1400-1600	175	170	97.14
H17C	Introduction to History	188	184	97.87
H18A	Introduction to Archaeology	43	37	86.05
H20F	Conquest, Colonization and Resistance in the Caribbean 1600-end of slavery	162	160	98.77
H20G	Freedom, Decolonization and Independence in the Caribbean since 1804	183	177	96.72
H21C	Latin America 1600-1870: from Colonialism to Neo-Colonialism	32	31	96.88
H21D	Societies and Economies in Latin America from 1870	26		96.15
H22C	Peoples, Wars and Revolution: North	42	40	95.24
H22D	From Developing to Developed North America 1815-1980	40	37	92.50
H23C	The State and Development in Africa 1800-1900	20	17	85.00
H23D	The State and Development in Africa since 1900	29	26	89.66
H24C	Revolution and Industrialization in 19 th Century Europe	38	36	94.74
H24D	Fascism and Communism in 20 th Century Europe	41	41	100.00

H25C	History of Modern China	43	41	95.35
H26A	Imperialism 1763 to1918	20	19	95.00
H26C	The International Economy since 1850	16	16	100.00
H27A	Text & Testimony	41	40	97.56
H28A	Research Methods and Techniques in Archaeology	20	20	100.00
H28D	A Survey of World Prehistory	21	18	85.71
H30C	Women and Gender	64	63	98.44
H30C	Women and Gender (summer)	31	31	100.00
H30H	Race and Ethnicity in the British Caribbean Since 1838	19	15	78.95
H30L	Education Systems and Issues in the Commonwealth Caribbean since 1945	16	15	93.75
H30N	Haiti in the 20 th Century	50	46	92.00
H30V	Cuba in the 20 th Century	66	63	95.45
H30Q	The Spanish Caribbean 1810-1879	32	32	100.00
H30X	West Indies Cricket Since 1870	16	14	87.50
H31E	Central America 1823 to present	30	30	100.00
H32C	The Black Experience in the United States after 1865	30	30	100.00
H32D	From Minstrelsy to Rock an Roll: History of Popular Cultures in the USA	26	26	100.00
H33A	Origins and Development of Apartheid in South Africa	25	20	80.00
H33E	Culture, Religion and Nation-building in West Africa since 1500	14	12	85.71
H33J	Colonialism and Underdevelopment in West Africa since 1500	22	21	95.45
H34F	Women in Europe	19	19	100.00
H34G	The Holocaust in History	24	24	100.00
H34H	Anglo-American Societies, 1580-1660	9	9	100.00
H34J	Early Modern Britain	32	32	100.00
H35A	Modern Japan: Meiji to Present	27	27	100.00
H35B	History of the Middle East 1915-1973	43	43	100.00
H36A	Capitalism and Slavery	22	22	100.00
H36B	Comparative Economic History of Slavery	11	11	100.00
H36H	History of the Multinational Corporation	9	9	100.00
H36N	By the Rivers of Babylon: The African Diaspora in the West	33	33	100.00
H370	History of Political Thought	1	1	100.00
H38A	Historical Archaeology	7	7	100.00
H38C	Archaeology of Africa	6	6	100.00
H39B	A Century of Politics in Free Jamaica	23	22	95.65
Total		2058	1979	96.16

Graduate Students

The numbers of students registering for this year were as follows: - three (3) PhD, nine (9) M. Phil., twenty three (23) MA (History), and twenty five (25) MA (Heritage Studies), making a total of sixty (60) graduate students. One student was awarded the MA in Heritage Studies and two (2) students were awarded the MA in History.

Code	Course Title	Sat	Passed	%Passed
H60A	The Emergence of West Indian History	9	7	77.78
H60B	Historiography	7	5	71.43
H62B	Black Life & Culture in Anglophone Caribbean & South	7	3	57.14
H63A	State and Society in Africa, 1500-1900	8	5	62.50
H67C	Historic Landscapes and Environmental	11	8	81.81
H67B	Artifacts, Museums and Archives	6	6	100.00
H67D	Oral History	4	3	75.00
H67L	Theory and Methods of History	10	8	80.00
Total		62	45	72.81

Prizes Awarded

Elsa Goveia Prize — Heather Moffati-Robertson

Gladwyn Turbutt Prizes:

Archaeology — Kerry-Ann Jones

Atlantic History — Janine Rose

Historical Methodology — Roxann White

European History — Jeanette Corniffe

IIm-AI-Ahsan Prizes:

The Asian World prior to 1600 — Jodie Miller

History of Modern China — Diane Wilson

Modern Japan — Debbion Hyman

History of the Middle East since 1915 — Chevonne Palmer

Neville Hall Prize — Candice Wilson

Walter Rodney Prize — Mellesa Green

DISTINGUISHED VISITORS

Professor Barry Higman, Australian National University

Professor Howard Johnson, University of Delaware

Professor Paul Lovejoy, University of York

Sister Noel Menezes, Professor Emeritus, University of Guyana

DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY

Kathryn Shields Brodber, BA, PhD, Dip Ed *UWI*
– Head of Department

WORK OF THE DEPARTMENT

Facilities for Student Development: the Writing Centre

In January, the department formally opened the **Writing Centre**, which had been built and equipped by funds generated by the department's summer school on the one hand, and by funds identified by the Principal, on the other. The Centre houses a writing lab with 20 computers which provides teaching and self-help support for the development of students' English Language writing skills, and a linguistics lab with 15 computers and a recording room, providing practical facilities for the development of linguistic analysis and research.

A workshop held in April 2003 for teachers of the 1st year foundation courses, UC120 and FD10A, and the remedial course, UC010, stimulated discussion about best practices for providing optimal benefit to students using the writing lab, and generated the formulation of a mission statement. The workshop, organised by Dr. Paulette Ramsay, Coordinator of the centre, was led by Dr. Dan Shiffman of Berry College, U.S.A.

Help for Blind Students

Using the facilities in the Linguistics lab, Dr. Otelemate Harry, with assistance from Professor Hubert Devonish, was involved in training the **DRAGON NATURALLY SPEAKING** voice recognition software to recognise Caribbean accents. The software converts spoken language into

texts. Once tests to establish accuracy rate for the recognition and generation of Caribbean English have been completed, the software will be modified and made available to blind students for use in examinations.

The English Language Proficiency Test

The ELPTU, coordinated by Mr. Carolyn Dyché, and Mrs. Donna-Maria Reid, once again formulated and administered English Language proficiency tests to applicants to the Mona Campus. Of the 2,533 applicants tested, 1423 (56%) passed, 903 (36%) were selected to do Fundamentals of English (UC010) and 207 (8%) failed to achieve the standard required for academic communication in English.

New Courses and Programme Development

In Philosophy, 69 students registered for a new course, *Philosophy of Law*, which met with overwhelming success. The taught **Masters in Philosophy** programme was taken through the approval process, and will be offered as of 2003-4.

The English Language Section of the department, which has traditionally focussed on entry-level students, developed several new courses, which will come on stream in 2003-4. These include *Language & Ethics* (level 2), and three level 3 courses: *The Art of Public Speaking*, *Advanced Writing in English* and *Business Communication*, aimed at preparing students leaving the University, for life outside the institution. The section also offered its first English Language graduate-level course, *Advanced Academic English Language Skills* to Social Science students.

In Linguistics, a new course, *Applied Speech Production* (level 3), was developed to provide students with a hands-on opportunity to use the facilities of the linguistics lab to understand the technical characteristics of speech. This course not only targets Linguistics majors, but also presents students in CARIMAC, who satisfy the pre-requisites, with an additional production area. *The Structure & Usage of French* (level 2) will provide students with the tools for the modern syntactic analysis of French, the language of many seminal works in Linguistics.

Field Research in Jamaica & the Wider Caribbean

So as to ensure students' appreciation of the practical applications of linguistics, the section has begun to integrate field work in its courses and programmes. Professor Devonish, Coordinator for Linguistics, with assistance from Mrs. Bryan-Ennis, Administrative Assistant, organised a series of local field trips to Moore Town and Hagley's Gap. These were well received.

In furtherance of its mission to develop its students' understanding of Caribbean language situations, and to provide them with opportunities to learn and analyse the native languages of their neighbours, the section continued to offer 2nd level courses in the structure and usage of a variety of Caribbean Creole languages and to organise field trips to Caribbean territories, as part of such courses. In 2002-3, students were able to participate in field trips to Guyana, as part of two cross-campus courses: L37A Field Methods in Linguistics, and L32A – Caribbean Dialectology, and to Suriname as part of L32B – Creole Linguistics. Research students in Linguistics were also assisted in attending and presenting papers at the August 2002 Conference of the Society for Caribbean Linguistics in Trinidad.

The Postgraduate Programme

There were 24 postgraduate students registered in the department in 2002-2003: 6 Ph.D. (Linguistics); 15 MPhil. (10 in Linguistics & 5 in Philosophy); and 3 MA (Linguistics).

Mrs. **Helean Rolle-McFee** and Mrs. **Monica Taylor** were awarded Ph.Ds in Linguistics, while Ms. **Emmogene Budhai** was awarded an M. Phil in Linguistics. Ms. Roxanne Burton (Philosophy) and Mrs. Michele Stewart (Linguistics) had their M. Phil registration upgraded to Ph.D.

Departmental awardees continued to participate in the teaching and delivery of courses in both Philosophy and Linguistics, while some offered coaching in essay writing and English Language to students taking advantage of the services of the Writing Centre.

For the second consecutive year, Dr. Kouwenberg organised the department's contribution to Research Day as a graduate student activity. Several postgraduate students in Linguistics and Philosophy were on hand, at the booth, to talk to visitors about their research findings, and to discuss and distribute brochures on the work of the department.

The Summer Programme

This continued to be well supported, with 244 registrations in the 1st year foundation courses, 143 in UC010, 76 in Philosophy and 47 in Linguistics.

Setting up of the Jamaican Language Unit

The University accepted a proposal from the department for the setting up of a research unit, the Jamaican Language Unit, in response to a recommendation from The Hon. A. J. Nicholson, Attorney General, Minister of Justice & Chair of the Joint Parliamentary Committee on a Charter of Rights to the Jamaican Constitution. The unit will conduct the necessary research to further inform and facilitate the implementation of public policy on the matter.

RESEARCH IN PROGRESS

Dr. Lawrene Ojo Bamikole

- Democracy in a Multicultural Society.

Dr. John Ayotunde (Tunde) Bewaji

- Human Knowledge – A Critical Post-Sceptical Analysis.
- MA in Distance Education through Commonwealth of Learning, Canada and IGNOU, India.

Dr. Kathryn Brodber

- Discourse analysis from a Caribbean perspective
- Compilation of a database of spoken Caribbean English (for research purposes)
- Verbal interaction in Jamaican law courts

Professor Hubert Devonish

- Syntax of Garifuna
- Tone in Belize Dutch Creole
- Language Policy in the Caribbean

- Variation in Creole Language Situations

Mrs. Caroline Dyche

- A Critical Analysis and Evaluation of UWI Mona English Language Education Policy – 1993 to 1994.

Dr. Otelemate Harry

- The Phonology of Jamaican Creole monograph (with Professor Hubert Devonish).

Dr. Silvia Kouwenberg

- Reduplication

Mrs. Ingrid McLaren

- Factors related to academic performance of undergraduate students at UWI, Mona.

Mrs. Michele Stewart

- “The Syntax of Negation in Jamaican Creole.” (PhD Thesis)

Dr. Monica Taylor

- Towards a Phenomenology of Error: development of the concept of an Index of Irritation or a Distraction Score and assessment of responses across the range of genres and discourse communities in the Jamaican/Caribbean context.

Mrs. Vivette Milson-Whyte

- Manual to assist candidates in their preparation for the UWI’s English Language Proficiency Tests.
- Easy-writing handbook for Jamaican student-teachers.

PAPERS PRESENTED

Dr. Lawrence Ojo Bamikole

- “Cultural and Development in Africa”. Fourth Annual Uncovering Connections: Cultural Endurance between Africa, the Americas and the Caribbean Medgar Evers College of the City University of New York, USA, March 14-15, 2003.

- “A Prolegomenon to a Caribbean Philosophy”, Department of Language, Linguistics and Philosophy Seminar Series, April 3, 2003.
- “Globalization, Cross-Cultural Relativism and the Jamaican Women”, (with Roxanne Burton) 15th All African Students Conference: Pan Africanism at the Beginning of the 21st Century, UWI, May 22-24, 2003.

Dr. John Ayotunde (Tunde) Bewaji

- “Prolegomenon to an Economics of Religion”, BOLESWA Annual Conference, National University of Lesotho, Roma, Lesotho. March 2003.
- “Ethics and Morality – Critical exploration of Western and African and Diaspora intellectual and practical perspectives” Department of Management Studies Colloquium on Ethics and Business, UWI, Mona , February 2003.
- “Symbols, Images and Stereotypes in Contemporary Human Societies”, Philosophical Society of Southern Africa Conference, Rhodes University, Grahamstown, Port Elizabeth, Republic of South Africa. February 2003.
- “Interrogating History: Ignorance, Selective Memory, Bad Faith and Intellectual Self-Deception”, Invited Public Lecture, Department of Philosophy, University of the North, South Africa. October 2002.

Dr. Kathryn Brodber

- “The Prosecution Calls Jane Doe: Discourse in a Jamaican Criminal Court” 14th Biennial Conference of the Society for Caribbean Linguistics, Trinidad, August 14 -17, 2002
- “Interrogating Caribbean Discourse: a Sociolinguistic Perspective” Staff/Graduate Seminar of the Department of History, UWI, October 2002

Professor Hubert Devonish

- “A survey of Caribbean languages”, Conference Series Valuing Caribbean Language, London, January 31, 2003; Manchester, February 5, 2003; Wolverhampton, February 8, 2003.

- “Language rights and language policy in Jamaica”, Conference Series Valuing Caribbean Language, London, January 31, 2003; Manchester, February 5, 2003; Wolverhampton, February 8, 2003.
- “The syntax to simple sentences in Garifuna”, 14th Biennial Conference of the Society for Caribbean Linguistics, Trinidad, August 2002.

Dr. Otelemate Harry

- “The phonology of bi-vocalic nucleus in Jamaican Creole.” Society for Caribbean Linguistics 14th Biennial Conference, 14-17 August 2002, St. Augustine, Trinidad and Tobago.

Mrs. Vivette Milson-Whyte

- “Signifyin’ Theories: New Gazes on Languages and Literatures”, the 63rd annual convention of the College Language Association, Washington, DC from April 23-27, 2003.
- “Approaches to Language Teaching in Jamaica: Gazing on the transformation(al)” Modern Languages and Literatures Seminar Series, the UWI, Mona, March 14, 2003.
- “Two Matadoes and a Creole Town: the 1902 Eruption of Mount Pelee and the Conquest of the Urban Space in Patick Chamoiseau’s *Texaco*.”

Dr. Paulette Ramsay

- “The Politics of Resistance and Agency in Jesus Cos Causse’s and Shirley Campbell’s *Homage to Nicolas Guillen*.” College Language Association, Howard University, Washington, DC, April 2003.

Mrs. Michele Stewart

- “The Grammatical Status of Tense Mode Aspect Markers in Jamaican Creole.” Society of Creole Linguistics (SCL), UWI, St. Augustine, Trinidad and Tobago, August 14-17, 2002.
- “The Emergence of Basilectal Varieties in Kingston, 1692-1895.” X⁰ Colloque International des Etudes Créoles (CIEC), Saint Gilles, La Réunion, October 24-30, 2002.

Dr. Monica Taylor

- “Pragmatic Devoicing.” Eleventh Biennial Conference of the Society for Caribbean Linguistics, UWI, St. Augustine, August 1-17, 2002.

PUBLICATIONS

Refereed

Dr. John Ayotunde (Tunde) Bewaji

- * *Beauty and Culture- Perspectives in Black Aesthetics*. Ibadan, Nigeria: Spectrum Books Ltd. 2003 pp 285, ISBN: 978-029-351-5
- * “African Languages and Critical Discourse” in Olusegun Oladip (ed.) *The Third Way in African Philosophy – Essays in Honour of Kwasi Wiredu*. Ibadan, Nigeria: Hope Publications. 2002 pp. 271-295.
- * “Language, Culture, Science, Technology and Philosophy”, in *African Philosophy Journal of African Philosophy*.

Professor Hubert Devonish

- * *Talking Rhythm, Stressing Tone: the role of prominence in Anglo-West African Creole Language*. Arawak Publications, Kingston Jamaica. 2003
- * “Reduplication in Guyanese Creole”. In: Silvia Kouwenberg (ed.) *Twice as meaningful. Reduplication in contact languages (Westminster Creolistics Series)*. London: Battlebridge Publications: 2003
- * Language Advocacy and ‘Conquest’ Diglossia in the ‘Anglophone’ Caribbean. In: Christian Mair (ed.) *The Politics of English as a World Language (ANSEL Papers 7)*. New York: Rodopi Publications. 2003

Dr. Otelemate Harry

- * “Illustrations of the IPA: Kalabari-Ijo”. *Journal of the International Phonetic Association* (2003), 33/1:113 120.

Dr. Silvia Kouwenberg

- * (With Peter Patrick). Introduction. *Studies in Second Language Learning* 2003 25 (2), 1-9.
- * “Reduplication in Berbice Dutch Creole”. In: Silvia Kouwenberg (ed.) *Twice as meaningful. Reduplication in contact languages (Westminster Creolistics Series)*. London: Battlebridge Publications: 2003, 255-264.
- * “Reduplication in Papiamentu” In: Silvia Kouwenberg (ed.) *Twice as meaningful. Reduplication in contact languages (Westminster Creolistics Series)*. London: Battlebridge Publications, 2003, 161-164.
- * (With Darlene LaCharité). “The meaning of ‘more of the same’. Iconicity in reduplication and the evidence for substrate transfer in the genesis of Caribbean Creole languages.” In: Silvia Kouwenberg (ed.) *Twice as meaningful. Reduplication in contact languages (Westminster Creolistics Series)*. London: Battlebridge Publications, 2003, 7-18.
- * (With Darlene LaCharité and Shelome Gooden). “Reduplication in Jamaican Creole”. In: Silvia Kouwenberg (ed.) *Twice as meaningful. Reduplication in contact languages (Westminster Creolistics Series)*. London: Battlebridge Publications, 2003, pp. 105-110.
- * (ed.). 2003. *Twice as meaningful. Reduplication in pidgins, creoles and other contact languages*. Westminster Creolistics Series. London: Battlebridge Publications.
- * (ed.) with Peter Patrick. *Studies in Second Language Acquisition*, Vol 25 No 2. Special issue on 2nd language acquisition and creolization.

Dr. Earl McKenzie

- * “Glissant on Time and History”, *Caribbean Quarterly*, Vol. 48, No. 4, December 2002.

Dr. Paulette Ramsay

- * *Aunt Jen* (fiction), London: Heinemann, Caribbean Writer’s Series, 2002.
- * “History Violence and Self-glorification in Afro-Mexican “corridos” from Costa Chica de Guerrero.” *PALARA*. No. 7, 2003, pp. 62-78.
- * “Coplas Esmeraldenas”. *PALARA*. pp 89-91.

Mrs. Monica Taylor

- * “Using Collateral Material to Improve Writing Performance” *ELT Journal* (57/2, April 2003: 149-157). Oxford University Press.
- * “Ecology of the English Language Classroom”, *Journal of Education and Development in the Caribbean*, (Vol. 6, Nos. 1 & 2, 2002, pp 1-35).

PUBLIC SERVICE

Dr. John Ayotunde (Tunde) Bewaji

- External Examiner to PhD in Philosophy, University of Durban, Westville, Republic of South Africa.
- Co-editor, *Philosophy Dialogue*. Journal of Philosophy, Nigeria
- Co-editor, *Journal on African Philosophy*, USA.
- Editorial Consultant, *BOLESWA Journal of Theology, Religions and Philosophy*, Botswana.

Dr. Kathryn Brodber

- Convenor, Syllabus Panel, CAPE Communication Studies

- Chairman, Board of Governors, The Queen's Preparatory School.
- Member, Oversight Committee, Rose Hall Basic School, Linstead.

Dr. Otelemate Harry

- Secretary, Group II, Church of the Ascension, Daisy Avenue, Kingston 6.

Mrs. Vivette Milson-Whyte

- Member, Executive Committee of the Girl Guides Association of Jamaica.
- Chair, Hangout Centre Project of the Girl Guides Association of Jamaica.
- Teacher and Recording Secretary, Sunday School, Church of St. Margaret, Liguanea.

Dr. Paulette Ramsay

- Chief Examiner, Caribbean Examination Council (CXC) Spanish.

Dr. Monica Taylor

- Member, General Education Committee, Jamaica Methodist District.
- Chair, Organisations and Education Committee, Providence Methodist Congregation.

STUDENT REGISTRATIONS

	Undergraduate	Incoming Majors	
Postgraduate			
Linguistics:	801	65	19
Philosophy:	965	19	05
Foundation courses:	2053		N/A
UC010:	542		N/A

STUDENT AWARDS

Undergraduate

First-Class Honours

Nicole Scott
(Linguistics)

Prizes Awarded

Foundation Courses:

UC120 (Language: Exposition & Argument):	Dahlia Harris Katanya Laing
FD10A (English for Academic Purposes):	Dominic Crosskill Sophia Terrelonge
UC10B (Language: Argument):	Ranikah Peter
UC010 (Fundamentals of English):	Marisil Renae Wright

Linguistics

Level I Theory Prize:	Gayon Williams
Level II Theory Prize:	Christene Phillips
Level II Non-Theory Prize:	Valeen Calder
Level III Theory Prize:	Nadine Logan
Level III Non-Theory Prize:	Nicole Scott
John Reinecke Prize:	Nicole Scott

Philosophy:

Level I Prize:	Tassiea Bryan
Level II Prize:	Karalee Campbell
Best Graduating Philosophy Major:	Karalee Campbell

Postgraduate

MPhil (Linguistics)	Emmogene Budhai
PhD (Linguistics)	Helean Rolle-McPhee Monica Edwards-Taylor

DISTINGUISHED VISITORS

Mr. Lars Hinrichs, Research Fellow in Linguistics, University of Freiburg, Germany, March 2003.

Dr. Dan Shiffman, Assistant Professor and Writing Centre Director, Department of English, Rhetoric and Writing, Berry College, United States of America, May 2003.

Mrs. Enita Castillo Lambey, Visiting Lecturer of Linguistics, University of Belize, July to August 2003.

DEPARTMENT OF LIBRARY AND INFORMATION STUDIES

**Professor Fay Durrant, MLS *Syracuse*, BLS *Toronto*,
BA Spanish Hons *UWI* – Head of Department**

WORK OF THE DEPARTMENT

During the year under review the members of the Department were active in several areas particularly: staff development, enhancing research outputs, ensuring closer staff/student liaison, expansion of the curriculum, publicity and outreach regarding the department, and maintaining channels for feedback from graduates as to the relevance of the programme. There was also a significant increase in the applications for admission to the graduate programmes and 27 candidates registered in the Master of Arts in Library and Information Studies (MALIS) programme and 40 in the Master of Library and Information Studies (MLIS) programme.

In the area of staff development, Dr. Cherrell Shelley-Robinson was awarded a Mona Research Fellowship to be taken up at the beginning of the academic year 2003/2004. The fellowship will support research on Caribbean children's literature. Other members of the teaching staff participated in regional and international conferences and symposia in their areas of interest.

In keeping with the needs and interests of our graduates and development trends in the region, efforts continued for the expansion of the programmes to incorporate at graduate and undergraduate levels, Archives and Records Management, Access to Information, Copyright and other areas of Intellectual Property.

A new course LS68A – **Copyright Issues Affecting Caribbean Libraries and Information Services** was introduced in the Summer session of 2003. The course was taught by Mrs. Beverley Pereira, University Counsel, and attracted participants from government agencies in Jamaica and from other countries in the region.

Mrs. Sylvia Piggott, former Deputy Division Chief of The Joint World Bank/International Monetary Fund Library visited the Department in March and gave a presentation on the Globalization of Information Systems and Services. The talk was well attended by staff, students and members of the Library and Information Association of Jamaica (LIAJA).

A series of presentations by MALIS and MLIS students enabled staff and students to discuss the research issues in the recently completed research papers. These included a presentation by Evadne McLean on *Library services for distance education*, by Caleta Miller on the *Information seeking habits of academic staff of the Faculty of Humanities and Education*, and by Adenike Soyibo on *Information services for teachers*.

Publicity and Outreach

In a continued effort to raise awareness of the scope of the Department's teaching and research programme, a feature page in the Sunday Gleaner on January 26, 2003 was dedicated to an article by Prof. Durrant on "*Librarianship is a dynamic career*" and another by Mr. Mohamedali on "*Educating librarians – the DLIS, its aims and contributions.*"

Dorothy Collings Bequest – Fellowship Programme

The bequest from Dr. Dorothy Collings continues to provide support for activities of the Department. This year a fellowship programme was introduced for graduate students working on their research paper. Two students, Carol Grant-Brown and Jacqueline Bailey were awarded fellowships.

Continuing Education Programmes

The Department collaborated with LIAJA in the mounting of a workshop on Portals – Mylibrary Application, July 2-4, 2003. The workshop which was conducted by Eric Lease Morgan, was attended by DLIS staff and practitioners – mainly members of LIAJA.

Computer Laboratory

The teaching and research of the Department was facilitated by the upgrading of the DLIS Computer Lab which now has 26 multimedia computers. Significant support was provided by Mona Information and Technology Services (MITS) in identifying and acquiring the computers and related equipment.

Fieldwork

Sixty-nine students – 59 undergraduates and 10 postgraduates - participated in the fieldwork programme coordinated by Mrs. Albertina Jefferson, former University Librarian. The programme has been found to be a very valuable introduction of students to professional activities, and has in some cases led to immediate employment. The Department recognizes the valuable contribution which has been made over the years by the participating organizations throughout the Caribbean region.

PROJECTS

The Departmental Librarian, Miss Angelique Alleyne undertook the development of a website on Intellectual Property and Copyright issues affecting libraries. This provided full text documents and references to support the graduate course LS68A.

LINKS WITH PROFESSIONAL ASSOCIATIONS

Library and Information Association of Jamaica (LIAJA)

The Department has played an active role in the Library and Information Association of Jamaica. The Executive Committee paid their annual visit to the Department, to advise new students of the Association's activities, and to invite them to become members.

Association of Caribbean University, Research and Institutional Libraries (ACURIL)

Professor Fay Durrant, a member of the Executive of ACURIL participated in Executive Meetings, and presented a paper on *E-government in the English-Speaking Caribbean* at ACURIL XXXIII held in San Juan, Puerto Rico.

RESEARCH IN PROGRESS

Prof. Fay Durrant

- Assessing digital library applications with particular reference to the Greenstone Digital Library Software.
- Telecentres and access to information – the impact of the Internet on access to information.

Mr. Ownali Mohamedali

- Information Resources and Services for the Disabled in Jamaica and in the selected countries of the Caribbean and Africa

Barbara Gordon

- Acceptable use policies in Jamaican libraries in relation to Internet access services
- Implementation of IT in Jamaican libraries (in collaboration with R. Sookraj.)

Ramnauth Sookraj

- Implementation and use of information technology in Jamaican libraries (in collaboration with Barbara Gordon)
- The effectiveness of multimedia in the delivery of course materials within the Department of Library & Information Studies

PAPERS PRESENTED

Prof. Fay Durrant

- “Developments in e-Government: Efforts of Knowledge Communities of Practice in the Caribbean”. ACURIL XXXIII, San Juan, Puerto Rico, May XXX 2003.
- “Knowledge Management: implications for training and development”. JATAD Annual Conference, Ocho Rios, Jamaica, November 22, 2002.

- “Knowledge Management: challenges and opportunities for libraries and information centres”. ICT for Development Conference, Kingston, Jamaica January 29-31, 2003.
- “E-government and the Internet in the Caribbean : an initial assessment E-government: State of the Art and Perspectives”, Aix-en-Provence (France), September 2 - 6, 2002
- “E-government contributing to development”. Jamaica Internet Forum, Ocho Rios, Jamaica February 20 -21, 2003
- “Policies for The Libraries of The Caribbean Information Society”, Caribbean Association of Law Librarians Conference (CARALL XVII) Basseterre, St. Kitts-Nevis, 10-12 July, 2003

Dr. Cherrell Shelley-Robinson

- “Transmitting Our Cultural Heritage: V. S. Reid’s Historical Fiction for Children”. Dept. of History Graduate Seminar October 18, 2002
- “Writing for Children” CAPNET Annual Conference, November 3-5, 2002 Port of Spain Trinidad
- “Good Parenting: some guidelines” – Guest Speaker- Alpha Primary School Parent’s Teachers Association November 20, 2002.
- “Faculty/Librarian Collaboration for the Learning College”. Annual Conference, Jamaica Council of Community Colleges January 8, 2003, Ocho Rios Jamaica.
- “Managing the Library Resources, Environment and the Information Skills”, Jamaica Library Service School Library Network Workshop, Kingston, March 13, 2003, Montego Bay, March 20, 2003, Port Antonio, March 27, 2003, Black River, April 3, 2003
- “The Role of the School Library”, Guest Speaker, McNie All Age School Professional Development Seminar, March 14, 2001.

PUBLICATIONS

Prof. Fay Durrant

- * E-government and the Internet in the Caribbean : an initial assessment EGOV E-government: State of the Art and Perspectives Aix-en-Provence (France), September 2 - 6, 2002 Lecture Notes in Computer Science, Springer, 2002
- * “Librarianship is a dynamic career” in *The Sunday Gleaner* January 26, 2003, p F10

Mr. Ownali Mohamedali

- * “Educating Librarians – the DLIS, its Aims and Contributions”, in *The Sunday Gleaner* January 26, 2003, p F10

Dr. Cheryl Shelly-Robinson

- * Jojo’s Treasure Hunt. Kgn: Carlong, 2003

PUBLIC SERVICE AND OUTREACH AND AWARDS

Prof. Fay Durrant

- Member, Jamaica National Commission for Unesco
- Board Member, Jamaica Sustainable Development Network
- Board Member, The Institute For Theological and Leadership Development (ITLD)
- Member, Jamaica Archives Advisory Committee
- Board Member, National Library of Jamaica
- Second Vice President, Library and Information Association of Jamaica (LIAJA)
- Member, Executive Council, Association of Caribbean University Research and Institutional Libraries

Dr. Cherrell Shelley-Robinson

- Consultant with Liz Millman Re: Caribbean Children’s Book for British Jamaica 2K Reading Project, May 1, 2003.

- Manuscript Consultant, Carlong Publishers – Reviewed three manuscripts of books written for children: June 2003
- Manuscript Consultant for Press Canada – Reviewed three manuscripts for children’s informational books on Jamaica: June 2003
- Chairman, LIAJA Schools Section
- External Examiner, Mico Teachers College Teacher/Librarian Programme

Mr. Ownali Mohamedali

- Member, IFLA Roundtable on Audiovisual and Multimedia
- Member, Library and Information Association of Jamaica (LIAJA)
- Member, Chartered Institute of Library and Information Professionals (CILIP)
- Member, American Library Association (ALA)
- Member, Club India
- Member, Indian Cultural Society in Jamaica

CATEGORIES OF STUDENTS

Undergraduates

There were 100 students registered in the BA Library Studies (major) programme distributed as follows:

Level I – 51	Level II – 25	Level III – 24
Non-Library Studies majors – 25		

Following is a list of the registration and passes for the courses offered:

Semester I

Course	Registration	Passes	%
LS10A Information & Society	55	47	85
LS10B Information Organisation & Dissemination	9	6	67
LS12A Management of Information Systems I	36	33	92
LS15A Computer Literacy for Information Professionals	28	27	96
LS22A Information Resources: Their Communication & Conservation	50	49	98
LS27A Audiovisual Information Work I	50	43	86
LS30C Public Library Services	22	22	100
LS30D School Libraries & Learning Resource Centres	17	16	94
LS32F Information Resources in Selected Environments	23	22	96
LS32G Literature for Children & Young Adults	36	34	94
LS35A Automation in Information Work I	39	32	82

Semester II

LS10B Information Organization & Dissemination	38	36	95
LS12B Management of Information Systems II	29	28	97
LS15A Computer Literacy for Information Professionals	34	27	79
LS21C Organizing Information in School Libraries	7	7	100
LS23A Research Methodology for Information Professionals	30	29	97
LS25A Automation in Information Work	36	26	72
LS30E Management of Libraries in Selected Environments	26	26	100
LS36B Information Literacy: Concept & Process	46	43	93
LS37A Audiovisual Information II	39	36	92

Yearlong

LS210 Cataloguing & Classification	31	28	90
------------------------------------	----	----	----

24 final year students achieved the following results:

First Class Honours	–	6
Upper Second Class Honours	–	6
Lower Second Class Honours	–	8
Pass	–	4

Postgraduates

Masters in Library and Information Studies/Master of Arts (in Library and Information Studies) programme enrolment:

Completing coursework	–	48
Writing research paper	–	32
Repeating failed course	–	20

13 students having completed the programme were awarded Masters degrees.

Following is a list of registration and passes for the postgraduate courses offered:

Semester I

Course	Registration	Passes	%
LS60A Foundations of Library & Information Studies	18	9	50
LS60B Information Communication & Society	16	11	69
LS61A Management of Information Units	12	11	92
LS62A Subject Work in Information Retrieval	16	14	88
LS63A Bibliography & Reference Methods	14	9	64
LS65A Information Technology I	24	18	75
LS69A Trends & Issues in Library & Information Work	14	13	93

Semester II

LS61B	Management of University and Research Libraries	8	8	100
LS61C	Management of Special Libraries & Information Studies	9	7	78
LS62B	Catalogue Creation & Use	11	10	91
LS63B	Information Resources in Science & Technology	6	5	83
LS63D	Information Resources in the Social Sciences	4	3	75
LS63E	Contemporary Literature for Children & Young Adults	3	2	67
LS64A	Research in Information Work	24	18	75
LS65B	Information Technology II	20	16	80
LS66C	Multimedia Librarianship	11	10	91

DEPARTMENT OF LITERATURES IN ENGLISH

Professor Carolyn Cooper, BA *UWI*, MA, PhD *Tor*
– Head of Department

WORK OF THE DEPARTMENT

Professor Carolyn Cooper continued to provide academic leadership in the final year of her three-year term of appointment as Head of Department. The Department was privileged to have had Dr Candace Ward, Fulbright Lecturer, as part of our team for the first semester. She taught American literature and assisted with a new course on “The Romance”. Four Temporary Assistant Lecturers filled vacancies during the academic year – Mrs Paulette Bell, Mrs Barbara Collash, Mr Harold McDermott and Dr Rachel

Moseley-Wood.

In May 2003, Dr Norval Edwards and Dr Curdella Forbes were promoted to Senior Lecturer.

Dr Michael Bucknor went on fellowship leave to the University of Michigan. He received the Du Bois-Mandela-Rodney Postdoctoral Fellowship to advance work on a book manuscript on Canadian/Caribbean literature. Dr Rachel Moseley-Wood received an award to the distinguished Salzburg Seminar. She participated in the session “From Page to Screen: Adapting Literature to Film,” and enhanced her capability to teach in the area of film studies.

In March 2003 two members of staff and three post-graduate students attended the 21st Annual Conference on West Indian Literature, which was held at the University of Miami, Florida. The theme of the Conference was “The Word and the Web”.

Professor Carolyn Cooper was invited to give the annual Walter Rodney Lecture at Warwick University in November 2002. She also gave lectures at the University of Frankfurt later that month. In February 2003 she gave the annual Black History Lecture at Barry University, Miami.

Professor Maureen Warner-Lewis' latest book, *Central Africa in the Caribbean: Transcending Time, Transforming Culture*, was published in May 2003. The most recent issue of the *Journal of West Indian Literature*, co edited by Dr Victor Chang and guest-edited by Dr Michael Bucknor, was published in November 2002.

On Monday, October 7, the Department hosted a farewell function at the Philip Sherlock Centre for the Creative Arts in honour of **Professor Mervyn Morris** who retired at the end of September 2002. Professor Morris has recently been named Professor Emeritus.

Outreach: The Department's outreach programmes are directed at both current and prospective students, and the wider public. For the last four years the Department has hosted a career talk for English majors, designed to develop awareness of non-traditional careers in the field of literary studies. This year's career talk, entitled "Career Possibilities for English Majors", was given by Mrs Jean Lowrie-Chin, a past student of the Department and founding director of P R O Communications Ltd.

In association with Intermedia, the Department hosted the launch of **Professor Edward Baugh's** CD, *It was the Singing*, on Sunday, October 13, 2002. The event was very well attended. This was the first of a number of literary events hosted by the Department during the academic year. In April, 2003, the Departments of Literatures in English and Language, Linguistics and Philosophy jointly hosted the launch of the books *Songs of Silence* by Curdella Forbes and *Aunt Jen* by Paulette Ramsay. Professor Mervyn Morris introduced Dr Forbes' book and Professor Edward Baugh Dr Paulette Ramsay's. Another book by Dr Forbes, *Flying with Icarus*, was also published last year.

In February 2003, the Department hosted the launch of *Creole Recitations: John Jacob Thomas and Colonial Formation in the late Nineteenth Century Caribbean* written by Dr Faith Smith, a past student of the Department and currently an Associate Professor of African and Afro-American Studies and English and American Literature at Brandeis University. The guest speaker for the event was Professor Maureen Warner-Lewis.

Ian Randle Publishers, in association with the Department and the Canadian high Commission, hosted the launch of Austin Clarke's latest book *The Polished Hoe*, on March 13, 2003. The guest speaker for the event was Professor Maureen Warner-Lewis.

In addition, the Department supports literary events such as the Jamaica Cultural Development Commission's National Literary Competition for which Mr David Williams continues to be a judge. Professor Cooper is a member of the Board of Directors of the Calabash Literary Festival.

RESEARCH IN PROGRESS

Dr Michael Bucknor

- “Voices Under the Window’ of Representation: Austin Clarke’s Poetics of Body Memory in *The Meeting Point*.”
- “Staging Seduction Masculine Performance: The Art of Sex in Colin Channer’s Reggae Romance *Waiting in Vain*.”
- “Lillian Allen” and “Cecil Foster” biographical sketches of two Caribbean/Canadian writers
- “Body-Memory Poetics: Materiality, Meta-Textuality and Performance in Caribbean/Canadian Writing.”

Dr Carolyn Cooper

- “Sound Clash: Jamaican Dancehall Culture at Large” – a book-length manuscript.

Dr Norval Edwards

- *Talking about a Little Culture: Conversations in Caribbean Culture and Criticism* Reggae Nations: Popular Music and the Jamaican Nation State

Dr Curdella Forbes

- *From Nation to Diaspora: Revisioning Gender in the Fictions of Samuel Selvon and George Lamming*

Professor Maureen Warner-Lewis

- “Outwardly bound but inwardly free”: A socio-historical contextualization of the Jamaican slave narrative of Archibald Monteath, (1790-1864)
- “Jamaica’s Muslim Past – Misrepresentations”: a critique of the writings of Dr Sultana Afroz on the Muslim presence in Jamaica.
- “Constancy and Compromise among African Muslims in the Nineteenth Century Caribbean”: a compilation of the historical presence of Muslims in the Caribbean; analyses of religious and secular positions taken by them as individuals and groups; and evidence of 20th century cultural legacies left by these communities.

Mr David Williams

- A manuscript on representations of the city in British, American and postcolonial fiction.

PAPERS PRESENTED

Dr Michael Bucknor

- “Gender and Sexuality: Reggae’s Radical Limits? – Colin Channer’s Reggae Romance, *Waiting in Vain*.” Caribbean Studies Association Conference, Belize, May 26-31, 2003.
- “Afro-Caribbean Rituals of Revolt: Olive Senior’s Body-Memory Poetics in ‘Gardening in the Tropics’”. University of Calgary English Department, April 3, 2003.
- “Afro-Caribbean Rituals of Revolt: Body-memory Poetics as Discursive Disruption in Olive Senior’s *Gardening in the Tropics*”. The Center for Afro-American and African Studies, University of Michigan, March 14, 2003.
- “Reggae Romance: Masculine Performance – the Art of Sex in Colin Channer’s *Waiting in Vain*. Department of Literatures in English Staff/Postgraduate Seminar, UWI, Mona, February 28, 2003.

Dr Carolyn Cooper

- “‘Write it Dung Inna Yu Rememberance’: Living the Legacy of Paul Bogle Today.” The Annual Paul Bogle Lecture, October 2002
- “Erotic Disguise: (Un)dressing the Body in Jamaican Dancehall Culture.” The Annual Walter Rodney Lecture, Centre for Caribbean Studies, Warwick University November 2002
- “Counterfeit Currency?: Gilding Bob Marley’s Image in Jamaica Today.” The Bank of Jamaica, February 2003
- “‘Ghetto Dictionary’: Liberating ‘Bad’ Words in the Lexicon of Peter Tosh and Bounty Killer”

Dr Norval Edwards

- “‘Man is a Question That the Beast Ask Himself: George Lamming’s Radical Humanism’”. Conference: “The Sovereignty of the Imagination: The Writings and Thought of George Lamming.” UWI, Mona, June 5-7, 2003.

Dr Curdella Forbes

- ‘Resisting the Voyeuristic Gaze: Gender as Anti Colonial Resistance in the Novels of George Lamming.’ Conference: ‘The Sovereignty of the Imagination’ in honour of George Lamming. UWI, Mona. June 5-7, 2003.
- ‘Trading Post: Repackaging Caribbean Poetics in the Age of Postmodernism.’ Conference: ‘ Empire, Subjectivity and Political Theory.’ Trinity College, Dublin, July 24-25, 2003.

Professor Maureen Warner-Lewis

- “Talking Voices and Bumping Rhythms”, Fourth Annual Don Drummond Symposium, Faculty of Social Sciences, UWI, Mona, May 10, 2003.

Mr David Williams

- “Representing the City in Claude McKay’s *Home to Harlem*” Symposium on the life and work of Claude McKay at the Philip Sherlock Centre for the Creative Arts, October 2002.

PUBLICATIONS

Dr Michael Bucknor

Refereed

- * “The Caribbean and Canadian Literature.” *Reader’s Encyclopedia of Canadian Writing*, ed. Bill New, Toronto: Univ. of Toronto Press, 2002
- * Guest Editor, *Journal of West Indian Literature* 11.1 2002 (Special Issue on “West Indian Literature Since 1950”).

Dr Curdella Forbes

- * ‘The End of Nationalism? Performing the Question in Benítez Rojo’s *The Repeating Island* and Glissant’s *Poetics of Relation*.’ *Journal of West Indian Literature* 11.1, Nov. 2002, 4-23.
- * ‘And the Dumb Speak’: George Lamming’s Theory of Language and the Epistemology of the Body in *The Emigrants*.’ *Literature and Psychology*. (Special Postcolonial Issue) 48:4, (Winter 2001/2): 6-32.

Professor Maureen Warner-Lewis

- * *Central Africa in the Caribbean: Transcending Time, Transforming Cultures*, University of the West Indies Press, 2003, 391 pp.
- * “Samuel Selvon’s linguistic extravaganza – *Moses Ascending*”, *Something Rich and Strange: Selected Essays on Sam Selvon*, David Dabydeen and Martin Zehnder, eds., Peepal Tree Press, Leeds, England, 2003 (reprint of 1982 article).
- * Mind-set, Myth, and Masquerade”, *Trinidad and Tobago Review*, August 4, 2003, 18-19, 22,30 (reprint of 1991 article).
- * Cultural Confrontation, Disintegration and Syncretism in *A House for Mr Biswas*, *Caribbean Quarterly* 48: 2 & 3, V. S. Naipaul: *Nobel Laureate for 2001: Call and Response*, June-September 2002, 118-26 (reprint of 1970 article).

Dr. Curdella Forbes

- * *Songs of Silence*. Oxford: Heinemann, 2002.

- * ‘Slater Minnifie and the Beat Boy Machine.’ *Survivor and Other Stories*. Ed Vivian French. London: Walker Books, 2002.
- * *Flying With Icarus and Other Stories*. London: Walker Books, 2003.
- * ‘Writing the Autobiography of My Father.’ A Review of Jamaica Kincaid Kincaid’s *Mr Potter*.’ *Small Axe* 13 (2003): 172-176.

Mr Harold McDermott

- * “Localizing the Aesthetic Search: Walcott’s Caribbean Poetics in *Abandoning Dead Metaphors*. *Small Axe* 13

Non-Refereed

Professor Maureen Warner-Lewis

- * “Jamaica’s Muslim Past: Disconcerting Theories” *The Sunday Gleaner*, October 20, 2002, G5, G6.

PUBLIC SERVICE

Dr Michael Bucknor

- Chief Examiner for CAPE Literatures in English
- Member, Editorial Board, *Pathways*
- Editor, *Postcolonial Text*

Dr Victor L. Chang

- Chairman, *West Indian Association of Commonwealth Literature and Language Studies (WLACLAS)*
- Editor, *Pathways*.
- Co-edited *Journal of West Indian Literature (JWIL)*

Dr Carolyn Cooper

- Associate, Centre for Urban and Community Research, Goldsmiths College, London University, UK
- Member, National Steering Committee for the UNCTAD/ WIPO Music Industry Project, Ministry of Industry, Commerce & Technology
- Member, Steering Committee for the Museum for the Development of Popular Jamaican Music, Institute of Jamaica

- Regional Editor, *Interventions: International Journal of Postcolonial Studies*
- Co-host, “Question Time,” CVM Television’s current affairs programme

Dr Norval Edwards

- Associate Editor, *Small Axe: A Journal of Criticism*
- Review Editor, *Postcolonial Text*

Dr Curdella Forbes

- Assistant Chief Examiner, Literatures in English, Caribbean Advanced Proficiency Examinations (CAPE).
- Fellow, Salzburg Seminar

Mr Harold McDermott

- Assistant Chief Examiner for CAPE Communication Studies

Professor Maureen Warner-Lewis

- Board Member, African-Caribbean Institute of Jamaica
- Member, Research and Publications Sub-committee, African-Caribbean Institute of Jamaica
- Member, Jamaica Fulbright Alumni Association.

Mr David Williams

- Chief Judge, *Jamaica Observer* Literary Awards, 2002
- Judge, Jamaica Cultural Development Commission (JCDC) Literary Competition, 2003

CATEGORIES OF STUDENTS

Undergraduate

Number Registered

Year I	274 (159 majors)
Year II	118 (88 majors)
Year III	145 (116 majors)
TOTAL:	537 (422 majors)

Course Registrations

Semester I		Sat	Pass	Fail	%Pass
E10A	Introduction to Poetry	130	122	8	93.8
E10B	Introduction to Prose Fiction	73	50	23	68.4
E10C	Introduction to Drama	112	90	22	80.3
E10D	Introduction to Orature	24	20	4	83.3
E10G	Reading & Writing About Literature	40	24	16	60
E21G	African Diaspora Women's Narrative	42	32	10	76.1
E21H	Modern American Literary Prose	39	35	4	89.7
E22A	Drama I	63	61	2	96.8
E23A	Key Issues in Literary Criticism I	65	48	17	73.8
E25C	West Indian Poetry	87	76	11	87.3
E25D	The West Indian Novel	40	32	8	80
E32C	The Romance	70	61	9	87.1
E32D	Shakespeare I	35	28	7	80
E34B	Classic American Prose Fiction	70	68	2	97.1
E35B	West Indian Lit. 'Special Author' Seminar	20	16	4	80
AR11A	Introduction to Comparative Caribbean Literature: Afro-Caribbean Poetry	11	9	2	81.8
SUB-TOTAL:		<u>921</u>	<u>653</u>	<u>149</u>	

Semester II

E10A	Introduction to Poetry	55	45	10	81.8
E10B	Introduction to Prose Fiction	124	72	52	58
E10C	Introduction to Drama	62	36	26	58
E10G	Reading and Writing About Literature	23	14	9	60.8
E15A	Introduction to Chaucer	30	29	1	96.6
E21C	Modern Prose Fiction	73	65	8	89
E23D	Key Issues in Literary Criticism II	27	19	8	70.3
E24B	Folktale and Proverb	28	24	4	85.7
E25E	West Indian Drama	80	68	12	85
E26C	Creative Writing, (Poetry)	21	21	0	100
E33Q	Postcolonial Literature II	19	15	4	78.9
E33A	The Sonnet	51	47	4	92.1
E35C	Derek Walcott, Poet	54	51	3	92.5
E37A	African American Literature	94	85	9	90.4
AR11B	Introduction to Comparative Caribbean Literature II: Women's Writing	10	10	0	100
AR200	Literature and Ideas in the Caribbean	16	12	4	75

Semester III

E10B	Introduction to Prose Fiction	15	9	6	60
E10G	Reading and Writing About Literature	9	9	0	100
E22G	Introduction to Shakespeare	14	13	1	92.8

SUB-TOTAL:	805	644	161
TOTAL:	1726	1297	310

First Class Honours: Winsome Small

Postgraduate**Registration**

PhD	5
MPhil.	11
MA	23

Degrees Awarded

MA	–	Dahlia Robinson
----	---	-----------------

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Claudette Williams, BA, MA *UWI*, PhD *Stanford*
– Head of Department

WORK OF THE DEPARTMENT

An External Review of the Department's French programme was conducted in November 2002. Reviewers commended the overall programme and the work of the teachers. The Review team made various recommendations designed to strengthen the teaching of French, diversify course offerings, and increase enrolment at the University and High School levels. Two staff members **Mrs. Esmeralda Nunes** and **Miss Mariana González**, guided by **Mrs. Mireille Ariza**, prepared supplementary materials for the level one Spanish

Language programme of the Ministry of Education-sponsored B.Ed Distance Project. French course material was developed by Dr. Béatrice Boufof-Bastick.

Curriculum Development

The requirements for Foreign Language majors were amended in recognition of the need to update and modernize the profile of graduates, and to provide them with a more diverse range of competences. The amendment adds specialized language courses to options for satisfying the requirements for the foreign language major. These specialized courses will help to prepare students for a variety of careers and jobs for which foreign language skills provide an important advantage. In response to the increasing demand for foreign language courses with practical value, **Introduction to Spanish Translation (S30A)** was offered for Level 3 students in semester 1. The department also took a first step towards adding a more functional dimension to the foreign language curriculum for students who are non-language specialists. **S01T (Spanish for Travel)**

was developed for students at the Beginners level who have acquired a basic level of competence in the language. The opportunities for autonomous learning were increased with the addition of an Independent Research component to the Level 3 course, **The New Spanish American Novel (S37C)**

Collaborations and Study Abroad

In March a group of Business French students spent the mid-semester break in Guadeloupe on a work-study programme. They were accompanied by Mrs. Doreen Preston and had the opportunity to experience an authentic French business environment. The UWI-Colombia Student Exchange Agreement continued this year with sixteen students of Spanish participating in the six-week language course at the Universidad del Norte in Barranquilla, Colombia, during the period June 12 – July 24. A similar number of Colombian students pursued an intensive English Language course offered by the department during the same period. Under the UWI - University of Bordeaux Agreement, and with assistance from the French Embassy, two students attended the intensive four-week French Language course held at the University of Bordeaux in July.

Collaboration with the French Embassy led to the selection of five students to take up posts as English Language Foreign Assistants in High Schools in France, Martinique and Guadeloupe for the period 2003-2004.

Enrolment

The decision to repeat some semester one courses in the second semester resulted in a 100% increase in Beginners' Japanese and a 27% increase in Beginners' Spanish.

STAFF NEWS

Assistant Lecturer **Eduardo López** resigned in September. The department said goodbye to French Foreign Assistants, **Mr. Steve Gadet** and **Mr. Fabien Beullens** and Japanese Volunteer **Ms. Masako Daimon**.

OUTREACH

Mrs. Patricia Castriota, **Dr. Marie-José N'Zengou-Tayo**, **Dr. Hugues Peters**, and **Dr. Claudette Williams** conducted seminars for French and Spanish 'A' Level/CAPE High School students. **Dr.**

N’Zengou-Tayo and **Mrs. Doreen Preston** represented the department at meetings of the French stakeholders organized by the Ministry of Education, Youth and Culture in July to discuss the status of French in high schools. In February **Dr. N’Zengou-Tayo** and **Dr. Hugues Peters** served as judges for the Jamaica Association of French Teachers’ Vocabulary Competition.

The Language Lab continued to provide basic foreign language training for individuals outside of the formal UWI system through its ten-week lunch-time and evening courses in French and Spanish.

GIFTS AND DONATIONS

On November 17 the Japanese Ambassador made the annual donation of teaching material for the Department’s Japanese programme. The Latin American Women’s Club contributed \$25,000 to assist two needy and deserving students to travel to a Spanish-speaking country. The French Embassy continued to provide support for French Studies by contributing \$145,000 to fund the French students’ participation in the Modern Languages Theatre festival in March.

SPECIAL EVENTS

A Modern Languages Open Day was staged on October 31 to introduce prospective foreign language students to the department’s programmes and activities. Events included a question-and-answer session, a tour of the language lab, video showing of extracurricular activities, talks by graduates of the department and people with first-hand experience who provided information about careers and jobs in which knowledge of a foreign language is useful or essential.

The 3rd annual Japanese Speech contest and Cultural Festival was held on November 17 at the Mona Visitors’ Lodge. The event was organized by the Japanese tutors from UWI, UTECH and the Language Training Centre.

This year marked the 20th anniversary of the winning of the Nobel Prize by the best-selling Colombian author, Gabriel García Márquez. To mark the occasion, the Department, in collaboration with the Latin American-Caribbean Centre and the Embassy of Colombia hosted a colloquium entitled “Homage to Gabriel García Márquez” on November 29. It featured a photo exhibition on García Márquez and a presentation

on the author and his work by distinguished Colombian writer, Roberto Burgos.

The 4th annual **Inter-campus Modern Languages Theatre Festival** took place at the Cave Hill Campus on March 17 and 18. Spanish students performed *La guabinita* by Cuban playwright Joaquín Robeño. The play's director was Foreign Assistant Mrs. Aracelis Aneđu. The French play entered in this year's festival was Mrs. Jean Small's adaptation for the stage of Henri Lopes' short story "L'Avance." The importance of this festival activity is that, in addition to providing the opportunity for students to improve their linguistic competence, it develops their self-confidence, team spirit, and discipline. Moreover, the camaraderie among students of the three campuses makes this a truly integrating activity of our regional university.

On March 28 the department, in collaboration with the Embassy of Cuba, hosted a symposium and exhibition on Cuban author and nationalist, José Martí, Cuban Professor, Emelina Perez, delivered a lecture on Martí and his work entitled "Martí and Modernity."

Students of Spanish staged the annual **Noche Latina** concert on April 17.

RESEARCH IN PROGRESS

Mrs. Mireille Ariza

- Lexical and syntactic dimension of the contact of French and Creole in Haiti
- Foreign Language teaching and learning in a Creolophone country

Dr. Marie-José N'Zengou-Tayo

- Literary representations of Haitian labour migration by Haitian novelists.
- Caribbean Writers' Responses to Contemporary Haiti.
- Haitian Contemporary Novel: The end of the Committed Intellectual

Dr. Hugues Peters

- Creation of a Database of Spoken French of Jamaican learners of French
- Analysis of Fernand Dumont’s poetry, with a focus on elliptical conjunction structures
- Evaluation of CAPE French examinations

Dr. Claudette Williams

- Re-readings of the Spanish American Literary Canon
- Feminism in Spanish Caribbean and Spanish American Literature
- Translation Theory and Practice

PAPERS PRESENTED

Dr. Françoise Cévaër

- (with Dr. Hugues Peters) “Stratégie de politique éducative pour une meilleure intégration régionale: évaluation du nouvel examen de français des pays anglophones de la Caraïbe, le C.A.P.E.” Université Michel de Montaigne Bordeaux 3, June, 2003.

Dr. Marie-José N’Zengou-Tayo

- “Relire *La Montagne ensorcelée* de Jacques Roumain soixante-neuf ans après?” and Kamau Brathwaite et Haiti: *DreamHaiti* ou le cauchemar de l’intellectuel antillais.” 14th Annual Conference, Haitian Studies Association. Haiti, October 2002.
- “Bay kou blye, Pote mak sonje: Le Massacre de 1937 dans les romans haïtiens.” Université Michel de Montaigne – Bordeaux III, June 2003.

Dr. Hugues Peters

- (with Dr. Françoise Cévaër) “Stratégie de politique éducative pour une meilleure intégration régionale: Evaluation du nouvel examen de français des pays anglophones de la Caraïbe, le C.A.P.E.”. (see F. Cevaer)

- “Report on the Creation of a Linguistically motivated Reference Grammar of French,” Conference of AFLS, St. Andrews University, August/September, 2002.

PUBLICATIONS

Refereed

Dr. Marie-José N’Zengou-Tayo

- * “The Martinican Writers of the Créolité Movement and History: Giving Back a Voice to the Disenfranchised”. *The Francophone Caribbean Today: Literature, Language, Culture*. Gertrud Buscher & Berverly Ormerod (eds.): The Press, UWI, 2003 Chap. 9 pp125-136.
- * “La Migration populaire haïtienne au théâtre: Pèlin Tèt de Frankétienne et D.P.M. Kanntè de Jean Mapou.” In Alvina Ruprecht (ed.) *Les Théâtres francophones et créolophones de la Caraïbe*. Paris: L’Harmattan, 2003 pp. 111-134.
- * “Haitian Literature: Origin and Development.” for *Wadabagei*. Carole Bérotte-Joseph, Carolle Charles, Robert Fatton (editors). Vol. 5, No. 2, Summer/Fall, 2002, pp. 77-102.

Dr. Hugues Peters

- * (with Lillith Barnaby) “Teaching A Reading Course in French as a Foreign Language Requirement,” in Tony Bastick & Austin Ezenne eds. *Researching Change in Caribbean Education: Curriculum, Teaching and Administration*,” Department of Educational Studies, UWI Mona, 2003, pp. 195-216.

Dr. Claudette Williams

- * “Oh Lord, I want to be White:” The Ambivalence of *Mulatz* in Carmen Colón Pellot’s *Ambar mulato*.” Miriam DecCosta-Willis ed. *Daughters of the Diaspora*, Ian Randle Publishers, 2003, pp. 32-41.

Non-Refereed

Miss Mariana González

- * “Perfil de los alumnos que estudian español en la Universidad de la Indias Occidentales,” *Glosas Didácticas*, April 2003
<http://sedll.org/doc-es/publicaciones/glosas/nmon10/articulos.html>

Dr. Marie-José N’ Zengou-Tayo

- * “Review of *Georges Woke Up Laughing: Long-Distance Nationalism and the Search for Home* by Nina Glick-Schiller and Georges Eugène Fouron. Duke University Press, 2001. In *Caribbean Quarterly*. Vol. 48, Nos. 2 & 3, June – September, 2002, pp. 128-132.

Dr. Claudette Williams

- * Translations of Carmen Colón Pellot’s “¡Ay señor, que yo quiero ser blanca! [Oh Lord I Want to be White!], “Motivos de envidia mulata” [Roots of Mulata Envy], “La tierra es una mulata” [The Land is a Mulatto Woman] in Miriam DecCosta-Willis ed. *Daughters of the Diaspora*, Ian Randle Publishers, 2003, pp. 27-31.

PUBLIC SERVICE

Dr. Marie-José N’Zengou-Tayo

- Treasurer, Jamaica Association of French Teachers (JAFT)
- Secretary, Japan Karate Association of Jamaica
- Vice-President, Board of the Haitian Studies Association
- Member, Board of Directors *Journal of Haitian Studies*
- Peer Reviewer, *Caribbean Quarterly*, *MaComère*, the *Journal of Haitian Studies*, and *Meridians*
- Assistant Editor, Marquette University special series *Philosophies of the Caribbean*.

Dr. Hugues Peters

- Editor, June CXC examination papers

- External Examiner , French Oral Examinations at Shortwood College

Dr. Claudette Williams

- External Examiner, University of Guyana.

CATEGORIES OF STUDENTS

Undergraduate	French	Japanese	Spanish
Preliminary	143	49	626
Level 1	30	0	130
Level 2	24	0	57
Level 3	12		51

Majors graduating

French	6
Spanish	34

First Class Honours:

Debra Nelson	Spanish
Justine Willoughby	French

Postgraduate	French	Spanish
MA	1	–
MPhil	1	4
PhD	–	1

PRIZES AND AWARDS

French

William Mailer Prize	Tasmin Gordon
Prix Jambec	Adrien Lemaire
Gertrud Buscher Prize	Justine Willoughby
French Embassy Prize	Justine Willoughby
Bridget Jones Memorial Award	Warrick Lattibeaudiere

Spanish

Gabriel Coulthard Prize	Amirh Venner
Paul Davis Prize	Shae-Alicia Lewis

DEPARTMENT OF EDUCATIONAL STUDIES

**Professor Zellynne Jennings-Craig, BA (Hons) *Hull*, MA *Leeds*,
MEd *Birm*, PhD *UWI* – Head of Department**

WORK OF THE DEPARTMENT

During this year, the Department rationalized the B.Ed. Secondary programme to ensure parity in content between the face-to-face and the distance delivery modes. The major change in the face-to-face mode was the increase of the out-of-school component to thirty (30) credits and the reduction of the specialization component by three (3) credits to a total of at least twenty four (24) credits. A minimum of six (6) credits each in Core Education and University Foundation courses made up the total of sixty six (66) credits. A meeting was held with the Tertiary Level Unit at the Ministry of Education to discuss the rationalization.

Visits to schools to attract Secondary school graduates with ‘A’ level/CAPE into the B.Ed. (90) credit were led by Dr. Anne-Maria Bankay, supported by other staff members. This led to an increase in the intake of students into the three year programme.

Between October 20-23, the Mathematics Unit in the Department, led by Mrs. Camille Bell-Hutchinson, hosted the second Biennial Conference of Mathematics Educators. The theme of the conference was “Transforming the Mathematics Classroom: Changing Practice in a Changing World.” The opening session of the conference was held at the UWI campus and the workshop sessions at the Medallion Hall Hotel. Participants came from the Caribbean and as far afield as South Africa. Professor Errol Miller gave the keynote address, “The Challenge to Change Practice.”

The BEd. (Secondary) by distance programme commenced in January 2003 with 163 students registered. The first summer programme was held between June and August 2003.

The Department held a Retreat at the Courtleigh Hotel in New Kingston between April 22 and 23. A review of the Department's collaborative relationships with the Teachers Colleges, a critical examination of the quality of offerings, a review of its current offerings in IT and a discussion of the proposed expansions in offering at the graduate level were among the areas covered in the Retreat. All staff members, the Dean of the Faculty, and the Deputy Dean (Education) attended the workshop. Dr. Keith Panton and Mr. Wilbert Tomlinson were invited as motivational speakers to speak on "Building Team Work." A Senior Education Officer from the Ministry of Education, Youth and Culture presented on the major developments at the Ministry and their implication for the work of the Department. The outcomes of the Retreat informed the development of the operational plan of the Department for 2003-2004.

Visitors to the Department this year included Mary Biddulph from the University of Nottingham, England who gave a lecture on April 4 entitled, "Factors that Influence Curriculum Change." Professor Zarif Bacilious from the St. John's University, Jamaica, New York visited the Department in April and held discussions with members of the Educational Administration unit. Dr. Bacilious is a professor of Educational Administration and Supervision with a special interest and focus on management, leadership, and instructional supervision. Members of the Department also attended a panel discussion hosted by the School of Education in which Ministers of Education spoke on the topic "Challenges Facing the Ministries of Education in the OECS Countries." The Ministers were Dr. the Hon. Rodney Williams of Antigua and Barbuda, Dr. the Hon. Timothy Harris of St. Kitts/Nevis, and the Hon. Augustine John of Grenada.

The Department's summer programme (2003) attracted larger numbers than in 2002. The courses offered and number of participants are represented in Table 1.

Table 1 - Summer School 2003

Courses	ED20C	ED30C	ED20Y	ED30Y	ED30D	ED23D	ED33D	Total
No	26	15	63	12	18	10	16	160

Dr. Austin Ezenne led a group of graduate students specializing in Educational Administration at the ASCD Conference held in San Francisco, California in March 2003.

Dr. June Evans, Lecturer in Social Studies/Geography Education, resigned at the end of the academic year and returned to Scotland. Ms. Myrtle Harris was granted Sabbatical leave, and Dr. Zellynne Jennings was promoted to Professor in Education in May 2003.

RESEARCH IN PROGRESS

Anne-Maria Bankay

- Translation of Hilma Contreras, *Entre dos silencios*
- Translation of Luz Argentina Chiriboga *La noche de viernes*
- *Cuentos y actividades* (a book of short stories and activities in Spanish for children 10-13 years old)

Tony Bastick

- An evaluation of the IDB/Government of Guyana Student Assessment Project.

Camille Bell-Hutchinson

- Teaching for Thinking: A Case Study into the Development of Mathematical Thinking in Jamaican Students

Beverley Bryan

- Evaluating good literacy practice in schools.

Joycelin Clarke

- “Planning Practices in selected Secondary Schools in Jamaica: Implications for School Quality” (PhD Thesis).

Helen Henningham

- School factors affecting children’s academic achievement.
- The effect of a parent-focused early intervention on levels of maternal depression.
- The temperament of children who are at nutritional risk.

Zellynne Jennings-Craig

- The Implementation of the New Integrated Curriculum: A Study of Jamaican School Teachers and their Concerns.
- Challenges in Teacher Training for Indigenous Populations: A Case Study of Guyana.

Jossett Lewis-Smikle

- “Improving Reading Comprehension across the Curriculum: Challenges and Responses”

Dian McCallum

- “Surviving the First Year of Teaching: A Case Study of the Induction Experiences of Three Newly Qualified Teachers of History.” (PhD Thesis)

Kola Soyibo

- “Effects of instructional strategies on Jamaican 11th graders’ performance on three integrated science process skills.”

PAPERS PRESENTED**Susan Anderson**

- “HIV/AIDS” in Runaway Bay Training of Trainers workshop.
- “Taking Action for a More Effective Teaching Ministry”: Workshop for Boulevard Baptist Church teacher trainers.
- ‘Dealing with Child Abuse and Neglect’: Seminar/Workshop, March 14, 2003.

Tony Bastick

Papers presented at the Western Psychological Association, WPA 2003 Convention, May 2003, Vancouver, BC, Canada:

- ‘Protecting freedom and quality of university teaching using Alignment Assessment with student evaluations of teaching’.
- ‘Rapid assessment of customer-brand identity: An example using fast-food outlets’.
- ‘Use of the Cultural Index for assessing Nation Identity’.
- ‘Who is more disadvantaged by gender bias in testing, boys or girls?’
- ‘Objective assessment of gender bias in teacher marked assignments’.
- ‘Social perceptions of teachers that contribute to overgrading of students’.
- ‘Influences of student attitudes and expectations on classroom achievement.’
- ‘Effects of underachievement on student’s self-esteem’.
- ‘Replication and validation tests of Bastick’s (EIA) Model of Teacher Motivation’.
- ‘Teacher attrition: Assessing the commitment of trainees to alternative occupational choices’.

Camella Buddo

- “Shedding Light on Algebra through Geometry.” National Conference of Mathematics Educators (NCME) October 2002 Medallion Hall Hotel, Jamaica.
- “Exploring the Experience and Views of Some Grade 11 Students in Their Learning of Mathematics.” National Conference of Mathematics Educators, October 2002, Medallion Hall Hotel, Jamaica.

Helen Henningham

- “Integrating early childhood stimulation into existing nutrition and health services in Jamaica.” Mini-symposium on Nutrition and the Brain, Rank Prize Funds, Grasmere, England, 16-19 September. 2002.

Jossett Lewis-Smikle

- “Literacy, Language and Learning in the Content Area” Workshop, José Martí Technical High School, July 8, 2002

Dian McCallum

- (with Alison Munroe): “Exploring a Model of Teacher Preparation in Special and History Education: Collaborative Apprenticeship and Professional Portfolios.” Hyatt Regency Hotel, Savannah, Georgia, October 30 - November 2, 2003.

Kola Soyibo

- “The main challenges facing formal education systems at the regional level and the role of Associated Schools Projectnet (ASPnet) in meeting them: The Jamaican case.” UNESCO workshop on the ASPnet Global Evaluation Review UWI, St Augustine Campus, Trinidad, 21-22 January 2003.

PUBLICATIONS

Refereed

Tony Bastick

- * (with Ezenne, A.). (2002). *Sociology of Education: Research in the Caribbean*. DES, UWI, Jamaica: Educational Research Centre. pp 269
- * (with Ezenne, A.) (2003). *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad*. Kingston, Jamaica: DES, UWI. pp 488
- * (with Ezenne, A.) *Researching Change in Caribbean Education: Curriculum, Teaching and Administration*. Kingston, Jamaica: DES, UWI. (2003) pp 380.

- * *Education theory and practice: Caribbean perspectives* (2nd Ed.). UWI, Jamaica: Department of Educational Studies. pp 340
- * (with Matalon, B.) *Research: New Practical Approaches*. Kingston, Jamaica: MPU. (2003) pp 188.
- * *Intuition: Evaluating the Construct and its Impact on Creativity*. Kingston Jamaica: Stoneman and Lang. pp 524
- * Gender discrimination in Education and Employment: The marginalised men and wasted women of Dominica. In T. Bastick, and A. Ezenne, (Eds), *Sociology of Education: Research in the Caribbean*, (2002). (pp. 39-66). DES, UWI, Jamaica: Educational Research Centre.
- * Differential effects of single-sex and co-educational schooling: Factors of social violence among adolescents in Jamaica. In T. Bastick, and A. Ezenne, (Eds), *Sociology of Education: Research in the Caribbean*, (2002). (pp. 39-66). DES, UWI, Jamaica: Educational Research Centre.
- * Situated attainment: Measuring under achievement in Jamaica. In T. Bastick, & A. Ezenne (Eds). *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad*. (2003). (pp. 89-116). Kingston, Jamaica: DES, UWI.
- * Does disruptive classroom behaviour make adolescent Caribbean students more popular or less popular with their peers? In T. Bastick, & A. Ezenne (Eds). *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad*. (2003). (pp. 387 - 402). Kingston, Jamaica: DES, UWI.
- * A for Average, B for Bad and P for Paid - Grade inflation prospects for the Caribbean. In T. Bastick, & A. Ezenne (Eds). *Researching Change in Caribbean Education: Curriculum, Teaching and Administration*. (2003). (pp. 253 - 276). Kingston, Jamaica: DES, UWI.
- * Alignment assessment: Battling grade inflation in the English speaking Caribbean. In T. Bastick, & A. Ezenne (Eds). *Researching Change in Caribbean Education: Curriculum, Teaching and*

Administration. (2003). (pp. 277 - 296). Kingston, Jamaica: DES, UWI.

- * Is Validity more Reliable than Reliability is Valid? In T. Bastick (Ed.), *Education theory and practice: Caribbean Perspectives*. (2nd. ed., (2003). pp. 167-172). UWI, Jamaica: Department of Educational Studies.
- * (with Hardware, V. J.) Assessing the Predictive Validity of the ATLP-75 Selection Test for Caribbean Nurses. In T. Bastick (Ed.), *Education theory and practice: Caribbean Perspectives*, (2nd. ed., pp. 153-166). UWI, Jamaica: Department of Educational Studies.
- * Subjectivist Psychology and its Applications to Teaching. In T. Bastick (Ed.), *Education theory and practice: Caribbean Perspectives*, (2nd. ed., (2003). pp. 209-218). UWI, Jamaica: Department of Educational Studies.
- * Commonwealth Degrees, from Class to Equivalence: Changing to GPAs in the Caribbean. *Journal of Studies in International Education*, vol. 7, no. 10, (2003). pp. 1-19. Sage Publications.

Beverley Bryan

- * Language variation and language use among teachers in Dominica. In: *Contact Englishes of the Eastern Caribbean*. Michael Aceto and Jeffrey Williams (eds.), John Benjamins: Amsterdam/Philadelphia.
- * Gender, literacy and language learning in Jamaica: Considerations from the literature. In: *Caribbean Journal of Education*. Vol 24(1) pp 23-40.

Austin Ezenne

- * *Sociology of Education: Research in the Caribbean*. (see T. Bastick).
- * *Researching Change in Caribbean Education: Curriculum, Teaching and Administration*. (see T. Bastick).
- * *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad*. (see T. Bastick).

- * *Management of Human Resources in Education*. Mona: University of the West Indies Distance Education Centre (UWIDEC).
- * “Winning More Science Education Students for the Universities in Jamaica” In: *Sociology of Education: Research in the Caribbean*. T Bastick & A Ezenne (eds). Mona: Education Research Centre, University of the West Indies. 2002. pp 193-205.
- * “Fostering School and Community Partnership in Education in Jamaica” In: *Researching Change in Caribbean Education*. Edited by Tony Bastick and Austin Ezenne. Mona: Department of Educational Studies, University of the West Indies. 2003. pp 297-312.
- * “The Double Shift System of Schooling in Jamaica” In: *Researching Change in Caribbean Education*. T Bastick & A Ezenne (eds.). Mona: Department of Educational Studies, University of the West Indies. 2003. pp 313-327.
- * “Use of Cases and Case Method in Teaching and Learning of Educational Administration” In: *Teaching Caribbean Students Research on Social Issues in the Caribbean and Abroad*. T Bastick & A Ezenne (eds.). Mona: Department of Educational Studies, University of the West Indies. 2003. pp 71-88.
- * “Virtual U Online Teaching and Learning in Higher Education” (with Loraine Cook). *Caribbean Journal of Education*. Vol. 24, No. 1, April 2002, pp 63-73.

Helen Henningham

- * “Mothers of undernourished Jamaican children have poor psychosocial functioning and this is associated with stimulation provided in the home.” (with C Powell, S Walker, S Grantham-McGregor). *European Journal of Clinical Nutrition* 57, 6 (2003): 786-792.

Zellynne Jennings-Craig

- * “Perspectives on Curriculum Change in the Caribbean.”: *Journal of Education and Development in the Caribbean*, Volume 6, Nos. 1 & 2, 2002, pp 105-135.

Jossett Lewis-Smikle

- * “Reading Comprehension, Attitudes to Reading and Locus of Control Beliefs of Jamaican Children in Primary and Secondary Schools.” In: T. Bastick and A. Ezenne (Eds.) *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad*. Kingston, Jamaica: UWI, Mona.

Marcia Rainford

- * “Assessing Classroom Learning in an Integrated Science Classroom: Insight into the Practices of a Grade 7 Teacher.” *Journal of Education and Development in the Caribbean*, Vol 6, pp 58-80.

Non-Refereed

Camille Bell-Hutchinson

- * “Mathematics: The Way Forward”, in *Caribbean Journal of Education*, Vol 23, Nos 1&2. Don Wilson (Ed). April/September 2001. 202-208. (2002.)

Camella Buddo

- * “Carib Hi-Sec Maths for the Caribbean – Book 3.” (with Terry Tomlinson, Cynthia Cooke and Norma Lee), Carlong Publishers (Caribbean) Limited.

Zellynne Jennings-Craig

- * Book Review: *Inside Jamaican Schools* by Hyacinth Evans: *Caribbean Journal of Education* Vol. 24 No.1 April 2002 p 74-76.
- * Foreword : In: *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad* Bastick, T; Ezenne, A (Eds) Department of Educational Studies, UWI, Mona. 2003
- * Foreword : In : *Researching Change in Caribbean Education: Curriculum, Teaching and Administration* Bastick, T; Ezenne, A (Eds) Department of Educational Studies. UWI, Mona, 2003

- * Foreword: In: *Reflections on the Business of Educating* . Winfield Williams. Trespub Associates, St. Vincent and the Grenadines 2003.

Kola Soyibo

- * “Planning lessons for science teaching”, in *Education Theory and Practice: Caribbean Perspectives*. T. Bastick (ed.).2nd ed. Jamaica: UWI, Department of Educational Studies, 2003. 97-110.
- * “Questioning techniques in science teaching”. in *Education Theory and Practice: Caribbean Perspectives*. T. Bastick. (ed.) 2nd ed. Jamaica: UWI, Department of Educational Studies, 2003. 111-119.
- * (with Thomas-James) “An analysis of Jamaican technical high school students’ attitudes to technical and vocational education”, in *Teaching Caribbean Students: Research on Social Issues in the Caribbean and Abroad*. T. Bastick & A. Ezenne (eds.). Jamaica: Department of Educational Studies, UWI, Kingston, 2003. 433-455.

PUBLIC SERVICE

Susan Anderson

- Coordinator, Managing Learning Difficulties Programme (MLDP);
- University Member, Interviewing Panel for teachers’ Scholarships - Ministry of Education and Culture;
- University representative, Board of Management, Hope Valley Experimental School;
- Member, Advisory Committee for Students with Disabilities on Campus;
- Mentor , UWI Mentorship Programme
- University Representative, Board of Management of the Jamaica Institute for Excellence in Education (JIEE);

- Board Member, Sir John Golding Institution.

Anne-Maria Bankay

- Assistant Chief Examiner, Caribbean Examination Council
- Examiner, Joint Board of Teacher Education

Tony Bastick

- Instructor, Staff Workshops, Assessment and Evaluation, UTech

Camille Bell-Hutchinson

- Local Consultant and Member of Advisory Committee for the development of a National Numeracy Policy.

Gloria Burke

- Member, External Examiner, physical education and English, Joint Board of Teacher Education.
- Member, Advisory Committee to the Foundation of International Training (FIT)

Joycelin Clarke

- Lay Magistrates’
- Member, Community Consultative Committee.

Austin Ezenne

- Supervisor, final year students’ Practicum and community-based projects.
- Member, Research and Publication Committee, Jamaica Association for Human Resource Development (JATAD).
- Member, Association for Supervision and Curriculum Development (ASCD).
- Member, British Society for Research into Higher Education (SRHE).

Helen Henningham

- Member, Jamaican Coalition on Disability

- Member, International Society on Early Intervention

Zellynne Jennings-Craig

- Curriculum Development Adviser, Organisation of Eastern Caribbean States Department for International development
- Member, American Educational Research Association.
- Member, Association for Supervision and Curriculum Development.

Jossett Lewis-Smikle

- Member, Planning Committee – KFC Inter-preparatory/Primary School Quiz competition.
- Member, Executive Committee – St. Elizabeth Reading Association (SERA).
- Member, Editorial Committee – The Clarion, Jamaica Teachers' Association.
- Member, Scholarship Selection Committee – Oakland University/UWI, Mona Campus/Ministry of Education Youth and Culture Scholarship Programme.
- Member, Advisory Committee of the UNICEF Early Childhood Transitional Project.
- Member, Executive Committee – Inter-Preparatory/Primary School Debating Competition.

Marcia Rainford

- Assistant Chief Examiner, CSEC Chemistry Education
- External Examiner, JBTE Science Education Examination
- Member, Conference Committee for the EDUVISION 2003 Conference

Kola Soyibo

- Associate Editor, Caribbean Annals, NCU, Mandeville.
- Associate Editor, International Journal of Science and Mathematics Education, CUT, Perth, Australia.

BEd. (Secondary) by Distance (MOEYC funded) 2002-2003 Cohort

	Applications	Accepted	Registered
Mathematics	58	31	21
Biology	54	38	21
Chemistry	13	8	7
Physics	10	10	10
Computer Science	48	22	16
Geography	24	19	16
History	63	38	24
French	4	4	1
Spanish	12	11	7
English/Literacy	100	56	40
TOTAL	386	237	163

Postgraduate Diploma in Education – 2002-2003 (as at July 2003)

THEORY

PRACTICE

Option	Admitted	Pass	Credit	Dinc't.	Incom- plete	Pass	Credit	Dinc't.	With drawn
History	6		6			3	2	1	
English	15	1	1	2	10	5	6	2	1
Mathematics	5	1	1		3	3	2		
Science	5		3	1		2	1	1	1
Spanish	9	1	2	1	4	3	5		
Social Studies/ Geography	4		2	2			3	1	
TOTAL	44	3	15	6	17	16	19	5	2

MEd. (Face-to-face) Programme

Specialization	No. of New Students	No. of Returning Students
Mathematics Education	2	6
Science Education	7	4
Educational Administration	23 – straight offer 52 offers for qualifying courses (17 registered to date)	30
Geography/Social Studies	23	
Primary Education		18
Teacher Education		12 (projects only)
Educational Psychology		5 (projects only)
Curriculum Development		25
Language Education		8 (projects only)
Total	55 + 17	108

MEd. On-Line Programme

Teacher Education		Educational Administration		Qualifying Ed. Admin
New	Returning	New	Returning	New
17	4	4	22	16

MPhil/PhD Programme

MPhil		PhD	
New	Returning	New	Returning
20	16	1	5

INSTITUTE OF EDUCATION

Joan Tucker, ARCM *Lond*, Dip Ed, MA *UWI*
– Head of Department

WORK OF THE DEPARTMENT

Miss Joan Tucker became head of the Institute of Education in 2002. Professor Errol Miller, who she succeeded, continued to serve for the year as chairman of the Joint Board of Teacher Education, which is a part of the Institute.

TEACHER EDUCATION DEVELOPMENT

Quality assurance in teacher education has been a major focus of the department over the years.

During 2002-2003, the department implemented a number of projects with a view to enhancing teacher education

Caribbean Centre of Excellence for Teacher Training

The Caribbean Centre of Excellence for Teacher Training, a JBTE project, established on October 1 2002, with **Professor Errol Miller** as director, was officially launched on April 9, 2003. It is one of three Centres to be established in Latin America and the Caribbean under a Summit of the Americas Initiative, to equip teachers of the first three grades of primary schools to improve the teaching of reading. The first phase of the project in Belize, Guyana, Jamaica, St. Lucia, St. Vincent and the Grenadines includes teachers' colleges which train primary teachers along with selected schools.

JBTE Early Childhood Education Syllabus Review Project

Funded through the ENACT/CIDA programme, this project, directed by **Mrs. Rose Davies**, advanced to the stage of piloting the twelve draft, revised syllabuses in the colleges during the academic year 2002-2003. The project ends by the beginning of the new academic year 2004, with the printing of the final versions of the revised syllabuses for dissemination in the colleges.

M.Ed. Leadership in Early Childhood Development Project

This project, directed by **Mrs. Rose Davies**, seeks to train top-level management in Early Childhood for the region. This programme has been developed and already been approved by the U.W.I. to be offered as a pilot programme in summer 2004. Preparation of the courses for on-line presentation is advanced, to be completed by December 2003.

Primary Education Support Project (PESP)

The second phase of the Primary Education Support Project, (funded by IDB and directed by **Professor Errol Miller**) focuses on curriculum development in five subjects – visual arts, music, physical education/movement, drama and religious education. Teachers' College courses in these areas were revised.

Re-orienting Teacher Education to Address Sustainability

The Latin America and the Caribbean network is one UNESCO's networks aimed at re-orienting teacher education to address sustainability. **Dr. Lorna Down**, co-chair of the regional network, is currently spearheading the project, *Literature and Education for Sustainable Development* at the Mico Teacher's College, exploring literature as a way of addressing the issue of violence.

Sustainable Teacher Environmental Education Project (STEEP)

The Institute of Education/JBTE completed the Sustainable Teacher Environmental Education pilot project at Shortwood Teachers' College and Church Teachers' College under the directorship of **Mrs. Marceline Collins-Figueroa**. Through the project the institutions developed environmental policies, stewardship activities, professional development, curriculum integration and research.

INFORMATION TECHNOLOGY

Developing and pilot-testing audio-visual techniques as a vehicle for simultaneous delivery to several classrooms, to enhance data communication modalities among teachers' colleges, cooperating schools and the IOE/JBTE

The College Manager information system to develop a research database on student performance was revised and is being piloted in two Teachers' Colleges

All active college course titles were reviewed and recoded to provide direct subject classification, thereby enhancing course/subject management.

A uniform format for transcripts for all colleges was developed and implemented.

Initiated and implemented a parallel application of the Virtual University system specifically for project conferencing and management. This is now in use by the PESP and CETT projects.

A web-site was established, highlighting the work of the department in research, development, publications and conferences between 1997 and 2002..

PUBLICATIONS UNIT

A main focus was on the Caribbean Journal of Education. Dr. Monica Brown, Director of the School of Education was chairperson of the Management Committee while Professor Hyacinth Evans was chairperson of the Editorial Board of the journal. Two issues of the journal appeared: Vol. 23, nos.1&2, edited by Dr. Donald Wilson, featured papers from the School of Education Forum on Education while Vol. 24, No. 1 was a general issue. Sonia Chin was Publication Officer and Sherron Duffus was Production Assistant.

STAFF

Hyacinth Evans was awarded a Personal Chair.

Joan Tucker was awarded an Institute of Jamaica Silver Musgrave Medal for outstanding work in music education.

Errol Miller was named Outstanding Tertiary Educator for 2002, by the Joint Committee for Tertiary Education.

Hyacinth Evans was appointed to the Research Standing Committee on the World Council of the Comparative and International Education Society.

Halden Morris was elected a Director of the Board of the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI).

Halden Morris designed and registered a prototype for Portable (mini) clothes and hair dryer. Small Entity Submission Preliminary Class 034. *Patented: Confirmation # 6884 – USA (Miller & Morris) 2003

Halden Morris organized and chaired the Institute of Electronic and Electrical Engineers (IEEE), conference, Southeast Con 2003

Vilma Charlton conducted a number of training seminars in Jamaica and in the Cayman islands for Physical Education teachers and coaches, under the auspices of the International Association of Athletics Federation (IAAF).

Ceva McPherson-Kerr coordinated the department's Research Day Exhibits.

Members of staff provided advice and consultancy services to institutions and governments locally, regionally and internationally:

Notably, Professor Miller visited Malawi from February 10-21, at the invitation of the Government of Malawi to provide advice on teacher Education. Moses Peart prepared "The Design of an ICT for Teachers Course Manual" for the Ministries of Education of the Eastern Caribbean States.

RESEARCH IN PROGRESS

Miss Vilma Charlton

- Physical Education Enhanced Practicum Project, Mico Teachers College.

Mrs. Marceline Collins-Figueroa

- Teachers' beliefs and practices in environmental education

- Research relating to the Sustainable Teacher Environmental Education Project of the Joint Board of Teacher Education

Mrs. Rose Davies

- Exploring Pedagogical Practices of Grade 1 Primary Teachers. (PhD Thesis)
- Learning to be a teacher educator. (collaborative research)

Mrs. Vileitha Davis-Morrison

- Citizenship Education
- HIV/AIDS and Education Policy, Practices and Implications
- Urban Education (PhD Research)

Dr. Lorna Down

- Re-orientation of Teacher Education for Sustainable Development
- Literature and Sustainable Development
- Violence in Schools

Professor Hyacinth Evans

- Learning to be a teacher educator (collaborative research)
- Interviews with Jamaican educators
- A review of the graduate programme of the School of Education

Dr. Clement Lambert

- The development of strategies to improve full literacy in Jamaica: Using multiple modalities to teach adult literacy learners.
- Violence in schools
- Teacher education and curriculum reform.

Mrs. Ceva McPherson-Kerr

- The performance in mathematics at the CXC general Proficiency level of a selected number of secondary schools in an urban community.

Professor Errol Miller

- Standards in the Jamaican primary school system.
- Male marginalisation and gender changes in society and the education system.
- The reassessment of existing explanations of the feminisation of teaching in light of historical and contemporary data from different parts of the world.
- Out-of-school and at-risk youths aged 10 to 18 years.
- The home, social and educational background of students entering the secondary school system in relation to their level of achievement in reading in a selected number of secondary schools.
- The process of the introduction of computer assisted instruction in primary and secondary schools in Jamaica and its impact on the quality of participation and performance of teachers and students.

Dr. Gagindra Persaud

- College entry criteria: Continued longitudinal research in cognitive and personality variables among Jamaican college students.
- Investigating the most robust cognitive and personality variables as predictors of college performance.
- Investigating a model or models of cognitive abilities among Jamaican secondary and tertiary level students using confirmatory factor analytic procedures.

Dr. Nadine Scott

- Discipline-Based Art Education and Curriculum Practice
- Public Statues: Icons of Our Heritage.
- Caribbean Public Sculptures as Historical Evidence.
- Caribbean Cultural Studies from the Perspective of Art & Design.

Miss Joan Tucker

- Developing, piloting and implementing a CXC in Music

- Early Musical Education and Field Experiences of Jamaican Student Teachers
- Learning to be a teacher educator (collaborative research)

PAPERS PRESENTED

Miss Vilma Charlton

- “The New Physical Education programme in the Primary Schools’ Curriculum”, MultiCare seminar for teachers. March 2003.

Mrs. Marceline Collins-Figueroa

- “Teacher education institutions implement whole-college community approaches to environmental education in Jamaica.” Annual conference of the Canadian Networks for Environmental Education, Montreal, August 11-15, 2002.
- “Environmental stewardship: Experiences at two tertiary educational institutions.” Seminar for educators of tertiary institutions. MIND, Kingston, October 10, 2002.
- “Whole college approaches to environmental education: The Sustainable Teacher Environmental Education Project.” JBTE/Enact symposium, Kingston, February 4, 2003.
- “Issues in environmental education for science teachers”, seminar for science education diploma students, Vocational Training Development Institute, Kingston, May 8, 2003.

Mrs. Rose Davies

- “Early Childhood Curriculum – A Theoretical Framework,” Ministry of Education Early Childhood Curriculum Development Workshop, October 2002, Kingston, Jamaica
- “Towards more student-friendly teacher training: A curriculum review process”, JBTE/ENACT Teacher Environmental Education Project Symposium, February 2002, Kingston, Jamaica

- Challenges and Trends in Early Childhood Education in Jamaica Today,” St. Andrew Preparatory School Board Retreat, March 2003, Kingston.

Mrs. Vileitha Davis-Morrison

- “Stakeholders’ Perceptions on the Revised Jamaica Teacher Education Curriculum: A Global Issue” (with C. Lambert). 47th Annual Conference, Comparative and International Education Society March 12-16 2003, New Orleans, Louisiana.

Dr. Lorna Down

- “Infusing Key Issues of Sustainable Development Education at Mico Teachers’ College”. UNESCO International Network of Teacher Educators, August 2002, South Africa.
- “Sustainability through Caribbean Literature.” Meeting for reorienting Teacher Education to address sustainability. South Africa 5-10, 2002.
- “The role of Higher Education in Sustainable Development.” Conference on Environmental Management for Sustainable Universities, Rhodes University, Grahamtown, South Africa. September 11, 2002.
- “Towards a Profile of the Jamaican Literacy Specialist.” (with Lambert, C.). The Literacy Research and Development Centre Conference, January 7–9, 2003, Oracabessa, Jamaica.
- “Navigating the Web of Place – Trapped Identities. XX11 Annual West Indian Literature Conference, March 20-22, 2003, University of Miami, Coral Gables, Florida.

Professor Hyacinth Evans

- “Changing teachers’ conceptions of self, teaching and learning.” Comparative and International Education Society (CIES) Annual Conference 2003, New Orleans Louisiana, USA, March 2003.
- “Rethinking the Practicum in the teacher education programme”. Joint Board of Teacher Education Seminar. 2003.

Dr. Clement Lambert

- “On Becoming Literacy Specialists: The Jamaican Pre-service Teachers’ Experience.” International Literacy Conference. Northern Caribbean University, Manchester, Jamaica, January 2003.
- “The way forward for Jamaican Literacy, Research and Development Centres.” Literacy Research and Development Centres Conference. Golden Seas, Oracabessa, Jamaica, January 9, 2003.
- “Towards an profile of the Jamaican Literacy Specialist” (with L. Down). Literacy Research and Development Centre Conference. Oracabessa, Jamaica, January 7-9, 2003.
- “Stakeholders’ Perceptions on the Revised Jamaican Teacher Education Curriculum: A Global Issue” (with V. Davis-Morrison). Comparative and International Education Society (CIES) Annual Conference 2003, New Orleans Louisiana, USA, March 2003.
- “Teaching Teachers to Teach Reading.” – Caribbean Centre of Excellence for Teacher Training Workshop for Reading Specialists and College Lecturers teaching reading. June 30 - July 3, 2003. Montego Bay, Jamaica.

Mrs. Ceva McPherson-Kerr

- “Using Contemporary Methods in the Teaching of Mathematics.” Second Annual Institute for Mathematical Pedagogy. Wadham College Oxford University, Oxford, England. August 2002.
- “Empowering teachers to become self-directed.” Jamaica National Conference of Teachers of Mathematics. Kingston, Jamaica. October 2002.
- “Beginning Lessons Starters Set Induction.” Jamaica National Conference of Teachers of Mathematics. Kingston, Jamaica. October 2002.

Professor Errol Miller

- “Liberation through Education.” Emancipation Lecture. Linstead, St Catherine, August 1, 2002.
- “Managing the Brain Drain: A Futurist Look at Caribbean People.” Keynote Address, Jamaica Association of Training and Development 22nd Annual Conference, Ocho Rios, Jamaica. October 5, 2002
- “The Challenge to Change Practice. Transforming the Mathematics Classroom.” Mathematics Education Conference. UWI, Mona, Jamaica. October 20, 2002.
- “Schools, Teachers and the Construction of the Future.” Keynote Address, UNESCO Conference of Ministers of Education of Latin America and the Caribbean. Havana, Cuba. November 14, 2002.
- “Gender, Male and the Education System.” UNESCO Consultation on Gender in the Caribbean. UWI, Mona. January 30, 2003
- “Voluntarism: Retrospect and Prospect.” Keynote Address PACT Conference for Leaders of Non-Governmental Organisations in Jamaica. Ocho Rios, Jamaica. March 20, 2003.
- “Values and Attitudes in Education: A Critical Comment.” Mona School of Business Symposium on Values and Attitudes. UWI, Mona, Kingston, Jamaica. March 21, 2003
- “Education for All in the Caribbean: Revisited.” UNESCO National Conference. Kingston, Jamaica. March 26, 2003.
- “Bridging the Digital Divide.” Institute of Electronic and Electrical Engineers, North Eastern Annual Conference, Ocho Rios, Jamaica. April 5, 2003.
- “The Caribbean Centre of Excellence for Teacher Training.” USAID Conference on Centres of Excellence for Teacher Training in Latin America and the Caribbean. Austin Texas, USA. April 28, 2003.

- “Spirituality and Materiality: A Reflection Surveying the Development of Civilisation.” Keynote Address The Pan African Studies Seminar on Poverty and Religion. Mona Campus, Kingston, Jamaica. July 14, 2003

Dr. Halden A. Morris

- “A Web Based Electronics Laboratory for Tertiary Engineering Education.” *Refereed Proceedings, IEEE Southeast Con 2003 – Bridging the Digital Divide*, Ocho Rios, Jamaica. April 4-6, 2003.
- “Interaction with Industrial Organizations.” Bachelor of Education Seminar Series, University of Technology, Jamaica. March, 2003.
- “The Engineer as an Educator.” Seminar, Faculty of the Built Environment. University of Technology, Jamaica. March 2003.

Dr. Moses Peart

- “Embracing Information Technology: A Natural Choice for Quality Education”. Keynote address, JTA Conference 2002.

Dr. Nadine Scott

- “New Teacher Educators, New Demands, New Realities.” Seminar, Joint Board of Teacher Education Professional Development. Jamaica Conference Centre, Kingston, Jamaica, August 2002.
- “Our Heritage in the Visual Arts (Jamaica)”. Seminar, The Jamaican Council on Adult Education (JCAE). Kingston, Jamaica, October, 2002.
- “Overview of the CAPE Art & Design Syllabus, Unit II & Production: Suggestions for the Creative Project Module.” Seminar, CXC/Ministry of Education, Youth & Culture, Kingston, Jamaica, January, 2003.
- “The State of Teacher Education and Training in Jamaica” and “Open and Distance Learning Models of Teacher Education in Jamaica.” (with Elaine Foster-Allen and Vilma McClenan.) Commonwealth of Learning (COL) Trinidad and Tobago, March, 2003.

Miss Joan Tucker

- “Minuet to dancehall: The transformation of music education in post-colonial Jamaica”, Conference of the Comparative and International Education Society, New Orleans, Louisiana, USA, March 2003.

PUBLICATIONS

Refereed:

Mrs. Rose Davies

- * “Developing children in Jamaican public primary schools: Experiences at grade one;” *Caribbean Childhoods: From research to action*; vol. 1; Contemporary Issues in Early Childhood. *Journal of the Children’s Issues Coalition*. Ian Randle, Kingston, Jamaica. Spring 2003.
- * “Orientation of the beginning teacher educator in Jamaica: An essential process?” (with M. Brown, H. Evans, J. Tucker). *Curriculum and Teaching Dialogue* 4 (2): 123–35, 2002,
- * “A framework for the preparation of new teacher educators” (with H. Evans and Joan Tucker). *Caribbean Journal of Education* 24 (2).

Dr. Lorna Down

- * “Infusing key issues of sustainability in the teaching of literature.” *Institute of Education 40th Anniversary Publication* 2003.

Professor Hyacinth Evans

- * “Orientation of the beginning teacher educator in Jamaica: An essential process?” (see R. Davis).
- * “A framework for the preparation of new teacher educators” (see Rose Davies).
- * “Teacher Education and teaching quality in Cuban schools”; Institute of Education 40th Anniversary Publication, 2003.

Dr. Clement Lambert

- * “Strategies for integrating computers in the Jamaican Language Arts Curriculum” (with C. Granston) in *Changing the Caribbean Educational Landscape through Curricular Reform*. (Monica Brown and Clement Lambert (Eds.)) Institute of Education, UWI, 2003.

Professor Errol Miller

- * “Retaining Boys in School: Developing a Model of Intervention”. In *The Institute of Education Annual*, Hyacinth Evans (ed.). Volume 3, 2000, pp 29–64.
- * “Teacher Education: The Partnership between the University of the West Indies and the Teachers Colleges.” *Caribbean Journal of Education* 23 (1&2): 71–86. April/September 2001.
- * “The Prophet and the Virgin: The Masculine and Feminine Roots of Teaching”. Ian Randle Publishers, Kingston 2003. 416 Pages.

Dr. Halden A. Morris

- * “A Web Based Electronics Laboratory for Tertiary Engineering Education.” *Refereed Proceedings, IEEE SoutheastCon 2003 – Bridging the Digital Divide*, 2003.
- * (with Prof. Mervyn Curtis). *Proceedings of IEEE SoutheastCon 2003 – Bridging the Digital Divide*. 2003, pp. 160.
- * Critical Ingredients for integrating information technology into the education system.” *Institute of Education 40th Anniversary publication*. 2003.

Miss Joan Tucker

- * “Before the National Curriculum: a study of music education in Jamaican post-primary institutions.” *Music Education Research* 5 (2):157–67. 2003.
- * “Orientation of the beginning teacher educator in Jamaica: An essential process.” (see R. Davies)

- * “A framework for the preparation of new teacher educators”
(see Rose Davies)

Non-Refereed

Mrs. Marceline Collins-Figueroa

- * Editor, “Enviro Ed” newsletter, Vol. 3, April 2003.

Dr. Clement Lambert

- * “Teaching teachers to teach reading: A State of the Art Review.” The Caribbean Center of Excellence for Teacher Training (CCETT)

Professor Errol Miller

- * “Teacher Education and Training Policies in the Commonwealth Caribbean.’ In *Teacher Training: A Contribution to Discussion – Some Country Experiences* UNESCO Santiago Chile, 2003, pp 15-32.
- * A Review of Teacher Education and Professional Development in Malawi. Research report – Errol Miller and Ancilla Armstrong. Kairi Consultants, Port of Spain, Trinidad. June 2003.

Dr Halden Morris

- * Report. Factors affecting the response of Jamaican High School Students to the NCTVET non-modular examinations.

Dr. Moses Peart

- * “Infusion of Technology in Education: Issues and Challenges for the Caribbean: in *Human Resource Development and Workplace Governance in the Caribbean*, Nowell Cowell & Clement Branche (eds.) Kingston Jamaica: Ian Randle Publishers. 2002.
- * Final Evaluation Report on the IADB Regional Project in Belize, Guyana, Jamaica and Trinidad and Tobago. September 2002, 52 pp.

- * “Governance and Leadership for School Boards: A Training Manual.” National Council on Education, Jamaica, November, 2002.
- * Editor, “Instructional Materials for Courseware in English Language Proficiency” Information Technology Institute, Jamaica. 2002, 71 pp.

PUBLIC SERVICE

Miss Vilma Charlton

- 4th Vice President, Jamaica Amateur Athletic Association.
- Member, Jamaica Physical Education Association.
- Member, National Sports Council.
- Director, Carreras Sports Foundation.
- Member, International Council for Health, Physical Education and Recreation, Sports and Dance at the Primary and Secondary Levels.
- Reviewer, Physical Education CXC Syllabus.

Mrs. Marceline Collins-Figueroa

- Commissioner, National Commission on Science and Technology, Office of the Prime Minister.
- Member, National Environmental Education committee, National Environment and Planning Agency.
- Member, Commission on Education and Communication, North America and the Caribbean Region, the World Conservation Union (IUCN)
- Member, Association of Science Teachers of Jamaica.

Mrs. Rose Davies

- Vice-Chairman, Shortwood Teachers’ College Board of Directors.

- Member, Steering Committee of the Caribbean Support Initiative Project
- Member, Early Childhood Fund Committee, Ministry of Education, Youth and Culture.
- Member, MultiCare Foundation Board of Directors.

Vileitha Davis-Morrison

- Secretary, American Studies Association of Jamaica.
- Red Cross Volunteer.
- Member, ‘Geography Teacher’ Association of Jamaica.

Dr. Lorna Down

- Member, CXC English Panel.
- External Examiner, CAPE Communication Studies (Oral Examination).
- Adjudicator, JCDC Literary Arts Competition.
- Member, Editorial Board, Journal of Teacher Education & Training, Daugavpils University, Latvia.
- Member, Editorial Board, Southern Africa Journal of Environmental Education, Ethics and Action, South Africa.
- Co-chair, Caribbean Regional Network of Teacher Educators, sub-network of UNESCO International Network for Reorienting Teacher Education to Address Sustainability.
- Chair, CARE Committee, Swallowfield Chapel.

Mrs. Ceva McPherson-Kerr

- Assistant Chairperson, Committee for transportation, IAAF World Junior Championships
- Member, Morant Bay High School School’s Board.
- Member, Committee for staff welfare of the Morant Bay High School.

- Member, Steering committee Wolmer’s High School for Girls, Parents and Teachers’ Association.
- Treasurer/Manager, Track and Field Committee of the Wolmer’s High School for Girls.

Dr. Clement Lambert

- Member, Advisory Committee Ministry of Education & Culture Literacy Improvement Initiative Committee.
- Team Leader, The development of Strategies to achieve full literacy in Jamaica: A joint initiative of JAMAL, PIOJ, and The Correctional Services.

Professor Errol Miller

- Chairman of the Board, Youth Opportunity Unlimited.
- Chairman, Electoral Advisory Committee.
- President Tikal Protocol and Chairman Association of Electoral Organisations of Central America and the Caribbean.
- Vice-Chairman of the Mico Foundation and Chairman of the Finance Committee.
- Vice Chairman of the Board, Instructional Technology Institute
- Trustee Lady Mico Charity, London.
- Member, American Studies Association of Jamaica

Dr. Halden Morris

- Chief Examiner, CXC (CAPE) Examination – Electrical and Electronics Technology 2003 Examination.
- Chief External Examiner, UTECH Teacher Training Programme, 2003.
- Chair, SoutheastCon 2003.

Dr. Moses Peart

- Chairman, National Committee on Selection and Appointment of Master Teachers, MOEYC, Jamaica.
- Board Member, Kingston YMCA, and facilitator for Governance and Leadership Training Programme.

Dr. Gagindra Persaud

- Consultant psychologist for the Personality Assessment of Applicants to the Caribbean Graduate School of Theology.
- Consultant Psychologist for the cognitive and personality of applicants to Sam Sharpe Teachers' College.

Dr. Nadine Scott

- Member of Council, National Council on Education.
- Chief Examiner and Member of Panel, CXC – CAPE, Art and Design.
- Member, Jamaica's representative on CXC's Council and Schools' Examinations Council.
- Chairperson, Professional Development and Teacher Welfare Committee, JTA.
- Co-Chairperson, Strategic Planning Committee, WIGUT.
- Member of School Board, Excelsior High School
- Board Member, Institute for Theological and Leadership Development.

Miss Joan Tucker

- Executive member and national representative Association of Caribbean Music Educators for Jamaica.
- Member of the Board, National Gallery of Jamaica.
- Convener, Board for CXC Music.

DISTINGUISHED VISITORS

Dr. Augustine John, Minister of Education, Grenada

Dr. Rodney Williams, Minister of Education, Antigua and Barbuda

Dr. Timothy Harris, Minister of Education, St. Kitts and Nevis

Dr. Zarif Bacilious, Professor of Educational Administration and Supervision at St. John's University, New York

**INSTITUTES AND
RESEARCH CENTRES
LOCATED AT MONA**

Year ending July 31, 2002

ADVANCED TRAINING & RESEARCH IN FERTILITY MANAGEMENT UNIT

**Professor the Hon. Hugh Wynter, OJ, CD, MD *Lond*, FRCOG,
FICS, FACS, FACOG – Director**

WORK OF THE DEPARTMENT

Mission

The mission of the Advanced Training and Research in Fertility Management Unit (ATRFMU) is to promote, develop and deliver training, research, outreach and clinical services in the areas of Reproductive Health (including family planning) and Health and Family Life Education throughout Cariforum countries.

Overall Objectives

To implement and evaluate the effectiveness of reproductive health/family planning/health and family life education programs, in pursuit of the national development goals of CARICOM and other countries.

Training

MSc Counselling via Distance Education

Eighty-six students commenced this programme (academic year 2002/2003) from the following sites – Jamaica (Mona/Mandeville), Cayman, Belize, Bahamas, Trinidad (Mount Hope), Barbados, St. Vincent, St. Lucia, Dominica.

- Workshop for Tutors/Coordinators from nine countries conducted at Mona, June 16-20, 2003.
- Four week Summer School for eighty-six students from the M.Sc. Counselling via Distance Education was conducted at Mona, June 30 - July 25, 2003.
- Student manuals and books of readings were written, edited and distributed to eighty-six students and tutors at all the sites.
- Plans are being made for the commencement of the second year of the programme academic year 2003/2004.

Course SY21P - Reproductive Health and Family Life Education

The course SY21P was conducted during Semester I of the academic year 2002/2003. Twenty-eight students from Faculties of Arts and Education, Social Sciences and Pure and Applied Sciences attended. All were successful.

OUTREACH

- Two volumes of HFLE materials prepared in the Training Workshops during the recent three-year UNDP funded HFLE project were prepared and distributed to all University Centres.
- The Outreach Coordinator is a curriculum Development Committee member of UWI HARP
- The Outreach Coordinator and Training Officer attended a Training of Trainers Workshop, May 4-7 which initiated revision of relevant courses in order to strengthen the HIV/AIDS content and use of participatory methodologies that encourage behaviour change.
- Planning is ongoing for the proposed HFLE – HIV/AIDS projects to be undertaken by the ATRFMU. This would strengthen HFLE in schools used by Teacher Training Colleges for practice teaching.

CLINICAL SERVICES

- The following clinical services were offered during the period under review

- Contraceptive methods
 - Pills
 - Injections
 - Intra-Uterine Device (IUCD)
 - Norplant
 - Condoms
- Surgical Procedures
 - Tubal Ligation - Laparoscopy
 - Culdoscopy
 - Laparoscopy - Diagnostic and Operative Hysteroscopy

Infertile Women

- Infertile women for Diagnostic and Operative Laparoscopy are counselled pre and post operatively and referred to the Gynaecology Out Patients for follow up.

RESEARCH

- Evaluation of breast feeding programme Ministry of Health/UNICEF. The final report was submitted
- HIV/STI Study - CCMRC HIV/STI risk perception study among antenatal and family planning clients completed. Final report submitted

RESEARCH IN PROGRESS

- Tracer Study in collaboration with the Women's Centre of Jamaica Foundation, among Women's Centre IUCD recipients from the ATRFMU and other clinics during the period 1991 - 2001.
- A review of the female sterilizations done in the Unit over twenty years.

PAPER PRESENTED

Hamilton, Pansy

“Breastfeeding dynamics between antenatal and post natal clients”,
Nursing and Midwifery Conference, Department of Advanced Nursing
Education, UWI Jamaica Pegasus Hotel, May 15, 2003

PUBLICATION

Refereed

Meade, Joan

- * “Beyond the Conventional Unmet Need for Family Planning.”
The Jamaican Nurse 40, 2,3 (2002), 15-22

PUBLIC SERVICE

Professor the Hon. Hugh Wynter, OJ

- Member, Board of Trustees Wolmer’s Schools

M. Jean Munroe, OD

- Member, National Family Planning Board
- Member, Board of Gallimore McPherson Senior Citizens
Home, St. Margaret's Church, Liguanea
- Member, University Hospital Trust
- Member, Dental Council of Jamaica
- Member, Lion's Club of St. Andrew, Central
- Member, Jamaica Association of Health Service Executives

Pansy Hamilton

- Vice President, Young Women's Christian Association
- Vice President, Jamaica Association of Health Service
Executives (Education)

- Member, Board of Directors Whole Person Resource Centre
- Member, Congregational Board, Webster United Memorial Church
- Member, The American Studies Association of Jamaica
- Member, Population Association of America

Lillith Williams

- Member, The Psych Group, U.W.I.
- Member, Jamaica Association of Mentally Handicapped Children
- Member, Jamaica Red Cross Association

Joan Meade

- Member, Association of Health Service Executives
- Chairman, Health Services Committee, Lions Club of St. Andrew Central
- Member, Heart Foundation of Jamaica

Amy Lee

- Family Counsellor, Barbican Baptist Church
- Family and Adolescent Counsellor at Family Court and Women's Crises Centre

Elaine Jackson

- Member, the Psych Group, U.W.I
- Member, National Intercessory Prayer Network of Jamaica
- Director for Music Ministry, Word of Life Christian Fellowship

CATEGORIES OF STUDENTS

Clinical Training

During the period under review the following were trained

Post Graduate (Doctors pursuing DM (O&G)/MRCOG)	10
Undergraduate (Medical Students)	83
PupilMidwives	39

DISTINGUISHED VISITORS

Dr. Karlene Chin-Quee, MD, FACOG}

Mr. Robert Longman, Heartbeats of the World, Inc. (HOW)

Mrs. Thelma Johnson, Heartbeats of the World, Inc. (HOW)

Miss Penelope Campbell, UNICEF

Dr. & Mrs. David Redford, Royal Shrewsbury Hospital

Professor Robert Shaw, Past President of the Royal College of
O&G

AGRICULTURE UNIT

Dave G. Hutton, BSc UWI, MSc C'nell, Diploma (Nematology)
Universidad Centrale de Venezuela – Agriculture Representative

The Faculty of Science and Agriculture (FSA), formerly Faculty of Agriculture and Natural Sciences (FANS), of The University of the West Indies at St. Augustine, Trinidad is comprised of the Schools of Agriculture (SoA), and Natural Sciences. The Agriculture Unit (AU), Mona i) represents the SoA at the UWI Mona Campus; ii) undertakes outreach to agricultural and related communities in Jamaica and elsewhere, on behalf of the SoA; iii) coordinates the SoA's External Programme in Agriculture (EPA) and the University Certificate Programme in Agriculture (UCPA) in Jamaica; and iv) carries out adaptive research.

Under a Memorandum of Agreement (MoA) concluded in May 2001 between FANS and the Faculty of Pure and Applied Sciences, UWI/Mona and approved by the Principal, UWI/Mona and endorsed by the Vice-Chancellor, the Agriculture Representative (AR) was appointed Honourary Lecturer in the Department of Life Sciences, Mona; himself and AU staff are now integrated into Life Science's teaching, research, outreach and other programmes. The AU relocated to Block C, Life Sciences in October 2002.

WORK OF THE UNIT

Relevant to the SoA

The AR coordinated the SoA's 10-week Internship Programme (Course AG 233) in Jamaica by negotiating assignments, interviewing the five students and supervisors at their worksites, and processing evaluation documents.

Administrative support was given to SoA students officially in Jamaica.

Materials, information, etc. from the SoA were routed through the Unit to various Jamaican interests.

The SoA participated as an exhibitor at the Denbigh Agricultural Show, for the first time. The AR coordinated the visit of the SoA's representative to Denbigh, and demonstrated at the Show.

The Unit promoted the SoA through exhibitions/presentations on careers in agriculture at career symposia at various high schools.

The Unit continues to maintain breadfruit germplasm procured from Hawaii under the "Breadfruit Improvement Project", carried out in Jamaica by the Dept. of Food Production, SoA, to characterize local, and assess introduced germplasm, and identify, multiply and distribute improved local and introduced cultivars.

The AR taught 15 hours of Economic Nematology to MSc Crop Protection students at FSA, St. Augustine.

The AR participated in a two-day retreat of the SoA which deliberated the theme "Developing a Strategic Agenda - the Way Forward to 2007"; this was held in Trinidad.

A three-member Technical Assistance Mission, including the AR, visited St. Vincent for three days, responding to an appeal from the Windward Islands Farmer's Association (WINFA) for assistance to manage destructive nematodes, and weeds, affecting banana productions in those islands, this in December 2002. In May 2003, the AR returned to St. Vincent for five days to train farmers and technicians in taking and processing samples for plant nematode isolation and identification.

Relevant to UWI/Mona

The AR sat on the Planning Committee, and the Unit participated in the UWI/Mona 2002 Career Expo; an exhibition on the SoA and on careers in agriculture was mounted in collaboration with the Rural Agricultural Development Authority (RADA).

The AR served as University Examiner for Course BL20M.

The AR's teaching responsibilities pertained to the following courses:-

BT37Q (Plant Health); 2 weeks

BL05B (Preliminary Biology); 2 weeks

Z32G (Pest Management); 1 week.

The AR prepared profiles on eight plant parasitic nematodes, and presented these at an FAO "Regional Workshop on the Identification of Pests of Major Phytosanitary Significance in the Caribbean", held in Trinidad, November 2000.

Outreach

The AR collaborated with the Research and Development Department, Ministry of Agriculture (MINAG) on various research initiatives.

The AR made presentations on the benefits of soil solarization, particularly as an alternative to methyl bromide, at workshops put on by the National Environmental and Planning Agency (NEPA), these for the benefit of public and private sector interest groups. The Unit, NEPA and RADA cooperated to demonstrate this and other soil disinfection methodologies at the annual Denbigh Show.

The AR is a member of the National Youth in Agriculture/RADA Schools' Agricultural Programme Committee, whose major objective is to reintroduce and/or reinforce the integration of agriculture into schools' curricula, and to encourage Jamaican youth to recognise agriculture as an honourable and profitable career, and their involvement in the study/practice of it. This Committee staged relevant competitions for schools and youth groups, these culminating at the annual Denbigh Agricultural Show. Each year, the main prizes are scholarships to the FSA, or the College of Agriculture, Science and Education (CASE). For 2002/2003, no scholarship winner entered FSA, due to the sponsor's change in policy; four scholarship winners were at CASE.

The AR sat on interview panels for the Youth in Agriculture and the Capital and Credit Merchant Bank scholarship awards.

The AR trained field and laboratory staff of the Banana Board in Plant Nematology methodologies.

The AR participated in several events staged by the National Food and Nutrition Co-ordinating Committee of Jamaica (NFNCCJ), which promotes the improvement of household foods availability and the nutritional status, particularly of at-risk groups in Jamaica's population. The AR served as coach to the Jamaican team which placed third in the Caribbean Nutrition Quiz, sponsored by the Caribbean Food and Nutrition Institute (CFNI). The AR participated in a seminar, "The Safe and Effective Use of Pesticides", put on by NFNCCJ and the Food Storage and Prevention of Infestation Division (FSPID), for farmers, householders, students and other interest groups in St. Mary.

The Unit, RADA and Bellevue Hospital (BH) are cooperating to establish an income generating agricultural project at the BH, this under the aegis of the Bellevue Hospital Foundation of Friends.

Soil and plant samples were analyzed for noxious nematodes for several farmers, householders, institutions or agencies (including the Sugar Industry Research Institute (SIRI), NEPA, RADA, etc.) and relevant nematode control recommendations or assistance with addressing plant nematode problems given.

The AR attended/participated in several conferences, seminars, field days, training days, workshops, symposia and other such events hosted by UWI, MINAG, CARDI, IICA, NEPA, the Jamaican Society for Agricultural Sciences (JSAS), The Coconut Industry Board, the Jamaica Organic Agriculture Movement (JOAM), etc.

The AR sat on sundry MINAG Committees set up to address topical issues.

The External Degree Programme in Agricultural and Rural Development (EPA), and the University Certificate Programme in Agriculture (UCPA).

Both programmes are offered from FANS by distance. Thirty six students were enrolled in the EPA for 2002/2003, twenty four in the MSc, eight in the Post-Graduate Diploma, and four in the Certificate Course disciplines, and three in the UCPA. The Unit administers these programmes in Jamaica, being the contact point for students, providing information, advice, supervision, counselling or administrative support, and interaction with St. Augustine.

RESEARCH IN PROGRESS

- Lethality of certain disinfectants, plant residues or extracts to plant or free living nematodes *in vitro*, or in soil.

Several disinfectants, or plant extracts have proven to be quite lethal to plant-parasitic and free living nematodes. Investigation of these and other “safe” products is ongoing.

- Persistence in soil of disinfectants used as nematicides, and investigation of their herbicidal effectiveness.

The forementioned disinfectants have proven to be as persistent in soil as traditional nematicides, but somewhat less effective in suppressing soil and root populations of destructive nematodes. Their herbicidal effectiveness is being investigated, since they were injurious to several crops in previous trials.

- Confirming pathogenicity of *Phomopsis dioscoreae* to yam.

Pathogenicity tests confirmed this fungus, not previously reported from Jamaica, to be the cause of a leaf spot disease affecting yam plants in a Westmoreland district. A “new disease” report is being revised for resubmission to an international journal.

PAPERS PRESENTED

Hutton, D.G. and Jane E. Cohen. 2003. Herbicidal effectiveness of three household disinfectants – preliminary findings. The Sixth Conference of the Faculty of Pure and Applied Sciences, the University of the West Indies, Mona, Jamaica; March 18-20, 2003.

PUBLICATIONS

Refereed

- * Hutton, D.G. and F.L. Edman. 2002. Cause of anthurium (*Anthurium andraeanum*) root rot and decline in Jamaica. Trop. Agric. (Trinidad) 79 (3) 61-167.

PUBLIC SERVICE

- Life Member, the Jamaican Society for Agricultural Sciences;
- Vice Chairman, the National Food and Nutrition Co-ordinating Committee of Jamaica (NFNCCJ);
- Member, National Youth in Agriculture/RADA Schools' Agricultural Programme Committee;
- Member, Publications Committee, Research and Development Dept., Ministry of Agriculture;
- Member, Minister of Agriculture Standing Committee on Research;
- Member, Bellevue Hospital Foundation of Friends.

DISTINGUISHED VISITORS

Prof. (of Tropical Horticulture) Jeffery Atherton, UWI, Cave Hill

Dr. Sam Rawlins, CAREC, Trinidad.

CENTRE FOR GENDER AND DEVELOPMENT STUDIES, MONA UNIT

**Professor Barbara Bailey, BSc, BSc (Med. Microbiology) PhD,
Dip. Ed – Head (interim)**

THE WORK OF THE UNIT

During the academic year 2002/3, the Mona Unit, Centre for Gender and Development Studies continued to fulfill its mandate of Teaching, Research and Outreach. Professor Barbara Bailey headed the Unit along with a staff complement of four comprised of. Ms. June Castello, Lecturer, Mrs. Shakira Maxwell, Asst. Lecturer, Mrs. Beverly Shirley, Senior Administrative Assistant, and Ms. Suzanne Charles, Research Assistant.

Teaching

Six undergraduate courses were taught during the 2002/3 academic year:

AR20A: Gender in Caribbean Culture I

AR21A: Introduction to Women's Studies I

AR20B: Gender in Caribbean Culture II

AR21B: Introduction to Women's Studies II

AR20M: Introduction to Men and Masculinities in the Caribbean

SY37G: Sex, Gender and Society

The courses were presented by Ms. June Castello and Mrs. Shakira Maxwell.

The Unit also participated in the Summer School programme in which three undergraduate courses – AR20M, SY37G and AR20A, were offered to students. All three courses were taught by Miss Castello.

Postgraduate Teaching

January to May 2003, Miss Castello also taught in the new distance mode *Certificate in Gender and Development Studies* programme, offered through the Regional Coordinating Unit of the Centre for Gender and Development Studies.

Miss Castello lectured to the graduate students of the Institute of Cultural Studies, February 12, 2002. The lecture was entitled “Gender: A Necessary Construct or Category of Analysis in Culture Studies”.

Other Teaching

Mrs. Shakira Maxwell represented the Mona Unit at a *Training of Trainers* workshop which dealt with curriculum development and offered strategies to facilitate the inclusion of HIV/AIDS related issues in three undergraduate courses in the first semester of academic year 2003/4. The workshop was hosted by the UWI HARP Program, Runaway Bay, St. Ann, May 4-6, 2003.

The Mona Unit was represented by Mrs. Shakira Maxwell at the annual Summer Institute hosted by the University of Maryland, College Park, held at Towson University, Maryland, June 30- July 3, 2003. The meeting was convened to review the achievements of the participants of the last two years and to determine ways in which future collaborations can be advanced.

New Course

The Mona Unit has put forward the proposal for a new undergraduate course **Philosophy of Gender** to be introduced as part of its course offerings. The original course has, on recommendation of the Gender Board of Studies, been re-formatted as two independent semester long courses each attracting six credits. The **Philosophy of Gender** course is expected to form part of the Minor in Gender and Development Studies.

SY37G – Sex, Gender and Society

As of academic year 2003/4, the undergraduate course SY37G will be offered in both semesters. This decision was taken because of the heavy student subscription to the course as well as the need to make the course more accessible to a wider cross-section of the student population, both full-time and part-time students.

Dorian Powell Prize

The Unit successfully hosted its fourth annual Dorian Powell Prize-giving ceremony, held December 16, 2002. The Prize of J\$10,000 was awarded to **Ms. Jenese Dawson** who was selected by a committee comprised of Professor Barbara Bailey, Professor Wilma Bailey and Dr. Clinton Hutton.

Mini Seminar

The Mona Unit hosted a seminar presentation by Dr. Linda Sturtz, entitled **Gendered White: Women in Eighteenth Century Jamaica** held in the Dean's Conference Room, Sir Alister McIntyre Building, March 6, 2003.

Lucille Mathurin Mair Public Lecture

Plans are underway for the Mona Unit to host its fourth biennial Lucille Mathurin Mair Public Lecture to be held in Commemoration of International Women's Day, March 11, 2004. The lecture will be delivered by Professor Michael Kimmel.

RESEARCH IN PROGRESS

New Project

- Funding is being sought to commence work on a the project entitled **“Untying the Noose; Mental Health Issues in the Caribbean: An Exploration of the Gendered Realities of Suicide in the Caribbean”**.

Caribbean Gender Ideologies: Influence, Transformation and Impact

- Ms. Suzanne Charles, Research Assistant of the Mona Unit, is the designated project coordinator for “Caribbean Gender Ideologies: Influence, Transformation and Impact”. The project is being spearheaded by the Regional Coordinating Unit and funded by the Ford Foundation. Training for focal points and field researchers was hosted in Barbados, February 11-12, 2003.
- The project examines the extent to which the lived realities of Caribbean women (and men) have changed over the last two decades, since they were studied and recorded by the *Women in the Caribbean project* (WICP).
- Mrs. Shakira Maxwell sat on the steering committee of a Project **Root Causes of Gender Based Violence** being spearheaded by the Regional Coordinating Unit.

Outreach

- Miss Suzanne Charles organized and chaired a programme in observance of the International Day Against Violence Against Women, held at the Rex Nettleford Hall, November 25, 2002. The programme discussed Gender Based Violence, with specially invited panelists from Women’s Media Watch, the University Health Centre and the Women’s Bureau. The programme was aired in part, on RJR.
- The Mona Unit and the Jamaica Family Planning Association (FAMPLAN) collaborated in the project **Men against Gender-Based Violence**. Both Ms. June Castello and Mrs. Shakira Maxwell conducted a training workshop for the FAMPLAN staff and associates. The workshop included pre- and post- evaluation of the participants’ knowledge and attitudes regarding gender. It also facilitated the development of coping skills pertaining to contemporary issues of gender based violence. The training session took place over a period of two days, May 29-30, 2003.

PAPERS PRESENTED

Maxwell, Shakira

- “Easy Prey? Female Victims of Crime in Jamaica in the late Nineteenth and Early Twentieth Centuries” History Staff/Postgraduate Seminar: UWI: November 15, 2002.
- “Violent Women: Rebuked and Scorned? Society’s Response to Female Criminals in Jamaica in the late Nineteenth and Early Twentieth Centuries” Gendering the Diaspora: Women, Culture and Historical Change in the Caribbean and the Nigerian Hinterland conference, Dartmouth College, New Hampshire, USA: November 21-24, 2002

Charles, Suzanne

- “Caribbean Ideology and Imagination, empowering Caribbean Development” at Caribbean Studies Association Conference, Belize CA: May 26-31, 2003.

PUBLICATIONS

- * Maragh-Maxwell, Shakira and Phillips, Marva: “Globalization and the Role of the Trade Unions” in *Human Resource Development and Workplace Governance in the Caribbean*: Cowell, Noel and Branche (eds): Ian Randle Publishers: 2002

PUBLIC SERVICE

June Castello

- Member, Training Committee of the Women’s Political Caucus.
- Member, Women’s Manifesto Committee

CATEGORIES OF STUDENTS

Undergraduate

Six courses were offered to undergraduate students during the academic year.

		AR20A	AR20B	AR21A	AR21B	SY37G	AR20M
Student enrolment	71	21	20	27	166	35	340

The pre-requisites of these courses remain the same and all courses carry three credits.

Postgraduate supervision

Ms. June Castello supervised the MSc thesis of Ms. Andrea Murray, graduate student of the Regional Coordinating Unit.

Miss Castello also supervised research entitled 'Kin Oonoo Teet' an 'Tan Like a Propa' Lady: Contradictions in the performance of Femininity in Miss Cauldwell 2003, carried out by Sarah Glover, a student from the School of International Training.

DISTINGUISHED VISITORS

Dr. Linda Sturtz, Associate Professor, History Department, Beloit College, Wisconsin, USA.

Ms. Pamela Golah of the Gender Unit, the International Development Research Centre (IDRC), Canada.

CENTRE FOR GENDER AND DEVELOPMENT STUDIES – REGIONAL UNIT

Professor Barbara Bailey, BSc, BSc (Med. Microbiology) PhD,
Dip. Ed – Regional Coordinator

WORK OF THE CENTRE

Introduction

The Centre for Gender and Development Studies (CGDS) has completed its ninth year as an Interdisciplinary Centre, conducting teaching, research and outreach. Although the staff establishment of the Regional Coordinating Unit (RCU) has not changed since the institutionalization of the Centre in 1993, the volume of its work has very significantly increased. The Centre has continued to grow in stature nationally, regionally and internationally since 1986, when it began as a *Project of Cooperation in Teaching, Research and Outreach in Gender and Development Studies*, supported by the Government of the Netherlands (GON) with grant funding of approximately US\$2,575,000 over three phases to develop the Gender Studies programme.

Prof. Bailey, for example, plays a pivotal role in activities related to the design and implementation of a strategy, developed by the Caribbean Community (CARICOM) Secretariat, for main-streaming gender in programmes related to human resource development, health and labour. She also continues to be involved in writing project proposals for funding some of its activities, and is, at times, invited to be responsible for the implementation of regional projects. Despite its limited resources, the work of the Centre continues to be accomplished, mainly through:

- Teaching and Research
- Consultations and training workshops
- Executing regional projects on behalf of multi-lateral agencies.

Staff

The Unit was established in 1993 with one Academic Staff member on the establishment. In addition, the Unit has had the benefit of the service of one Research Assistant, whose employment was supported by the co-operant programme of the Canadian Government through the Canadian International Development Agency (CIDA) and CUSO, a Canadian Development Agency. She has been of invaluable service from the time of her arrival in June 2001; however, she has returned to Canada.

Representations made by Prof. Bailey to the Vice-Chancellor about the volume of work in the Unit, and the impossibility of fulfilling the terms of a contract with the Government of the Netherlands to offer a Certificate Programme in Gender and Development Studies by 2002/03, resulted in the temporary appointment of Yasmeen Yusuf-Khalil, an expert in Instructional Design, Curriculum Development and Distance Education, to coordinate the development and presentation of the 18-Month Distance Certificate Programme in Gender and Development Studies. This appointment was very timely, and she has been working tirelessly at editing, rewriting and assessing courses for the programme.

Teaching & Curriculum Development

Graduate Teaching

Dr. Bailey continues to be the Coordinator of the Graduate Programme of the Centre, which offers MSc, MPhil., and PhD degrees. She also teaches and is first examiner for the course GS63B: *Gender, Education, Training and Work*.

The MSc Programme, has suffered some setbacks as several students to whom places had been offered, failed to take up the offer, or for varying reasons, have asked for postponement, or have dropped out. Three MSc students, Two MPhil. and four PhD students remain. The MSc students are preparing their research papers for submission.

Supervision of Graduates Students

Professor Bailey supervises two students from the School of Education. One MSc Student, Ms Aba Polson has submitted her thesis, titled: *Principals, Teachers and Students' Perception of Certain Attributes of the Rose Curriculum*, for examination. The other is an MPhil/PhD student, Ms

Marcia Stewart whose research towards *An Evaluation of the Associate Degree in Business Studies, Offered by Jamaican Community Colleges*, is ongoing.

Certificate Programme

The development of a 3-semester part-time Certificate Programme in Gender and Development Studies, funded by the Government of the Netherlands, continued. Course material for the second semester is to be prepared by the Curriculum Specialists Barbara Bailey and Yasmeen Yusuf-Khalil in collaboration with The University of the West Indies Distance Education Centre (UWIDEC). The programme, originally scheduled for delivery in 2001/2002, was offered for credit in Semester II of the academic year 2002/2003. Preparation of course and support material continues.

Project Proposals Developed

Gender Differentials in Performance at the Secondary and Tertiary Levels of Education Systems in Member Countries of the CDB, specifically: *An In-depth Study of Socio-Political Factors and Schooling* (CDB)

Recognising the importance of carrying out this research, the Centre continued to seek funding from various agencies, and the original proposal to the Caribbean Development Bank (CDB) was separated into sections and new proposals written by Prof. Bailey, which resulted in the following:

Funding:

- *An In-depth Study of Socio-Political Factors and Schooling* (CDB-US\$212,000).
- Establishment and analysis of a *Database on Enrolment, Participation and Performance Indicators at the Secondary and Tertiary Levels of Education Systems of CARICOM Member States* to identify significant gender differences. Canada/Caribbean Gender Equality Fund (CCGEF), Barbados and the Organisation of Eastern Caribbean States (OECS) - US\$7110.69
- Four Specialist Studies on Gender Differences related to *Outputs versus Outcomes; Alternative Pathways to Tertiary Education; Attrition/Dropout; and Demographics of School Population in Caribbean Education Systems*. Regional Canada/Caribbean Gender Equality Fund (CCGEF) CDN\$90,000. (US\$4,694)

- *Demographic Study of School Populations in Selected High Schools in Jamaica* The UWI, Mona Campus, Research and Publications (R & P) Committee (US\$4,050).

Funds from a *Project of Support of Teaching, Research and Outreach in Gender and Development Studies* sponsored by The Government of the Netherlands through the Royal Netherlands Embassy (GON/RNE-US\$6,250) provided a research grant which has facilitated the preparation by Mrs. Lynda Quamina-Aiyejina, Documentalist at the School of Education, St. Augustine, of an *Annotated Bibliography on Gender Issues in Education*. The data in this bibliography will factor into the design of the research instrument for the in-depth study cited above. The projects have all started and are ongoing.

Other Departmental Professional Activities

Prof. Bailey attended and participated in the following conferences, workshop and other related activities:

- A meeting of African Diaspora working group drawn from the USA, Brazil, Africa and Jamaica to look at issues of religion, gender and poverty sponsored by Princeton University Seminary, New Jersey, USA in Jamaica July 2003.
- A Panel on ‘Advancing Women’s Studies Trans-nationally: A Dialogue’ at a Conference on Educating for the Future: Crossing Boundaries, Building Coalitions in Graduate Women’s Studies Around the World. June 29-July 3, 2003. University of Maryland, Townson, Maryland.
- A Joint Programme Identification Study to guide the Caribbean Education Sector HIV/AIDS Response Capacity Building Programme Technical Cooperation Project hosted by CARICOM/UNESCO/IDB. April 22-23, 2003.
- A workshop on Gender and Child Labour at the 1st Caribbean Labour Policy Conference jointly organised by The Labour Studies Programme, Mona School of Business, UWI and the Centre for Industrial Relations, University of Toronto. April 2-5, 2003.
- The 6th Special Meeting (Ministers of Education) of the Council for Human and Social Development (COHSOD) where she presented a *Strategy and Work Plan for Main-streaming Gender into*

Education Systems of CARICOM Member States at. Port-of-Spain, Trinidad. March 31-April 1, 2003.

She also

- Facilitated a meeting to train field researchers from Antigua, Barbados, Belize and Guyana for data collection on a research project *Caribbean Gender Ideology: Influence, Transformation and Impact*
- Attended Consultative Committee of United Nations Fund for Women (UNIFEM) as representative of Government of Jamaica. New York. February 2003.
- Attended a UNECLAC sponsored Meeting on *Gender Socialisation and Violence in the Caribbean: Development of A Research Agenda* and presented a “Report on a Review of Gender Socialisation Research in Jamaica”. Port of Spain. December 9-10, 2002.
- Attended Seventh Meeting of the Council for Human and Social Development (COHSOD) as member of CARICOM Task Force on Gender Main-streaming. CARICOM Secretariat. Georgetown, Guyana. October, 2002.
- Attended Transformational Leadership Learning Community Workshop. UNIFEM, UN House, Barbados. October, 2002.
- Presented Strategy from CARICOM Task Force on Gender Main-streaming at Second Meeting of Directors/Coordinators of Women’s/Gender Bureaux. St. George’s, Grenada. September, 2002.

Mrs. Emmanuel attended a *Project Identification, Formulation and Management Workshop* held by the UNDP to familiarise clients with the United Nations (UN)/UNDP’s reformed approach to project identification, formulation and implementation, preparation of project reports, and to clarify the concept of logical framework analysis. Kingston, Jamaica, Knutsford Court Hotel, 16-18 July 2003.

Outreach

The Outreach Programme, one of the most important of the Centre's activities since its beginnings in 1986 as a project, continues to

expand. One of the major activities undertaken over this period is the implementation of the third and final phase of the *Women in Micro-enterprise Project*, report on below:

Training Workshops

Women in Micro-enterprise Project

This final phase aimed to empower rural women entrepreneurs by training them to run their businesses more successfully. Six workshops were held - the last two in December 2002, in partnership with the Jamaica Network of Rural Women Producers. This partnership has helped to strengthen the Network, and facilitated the marketing of the training manual, which has been reprinted, and which they use for training.

The workshops have proven to be very beneficial in providing practical advice on record keeping and information about sources of financing, and a forum where business problems could be discussed with other women entrepreneurs. A very informative news bulletin, as well as another print run of the manual have been done. Sale of the manual has earned money for the Centre, and Micro-Enterprise Financing Ltd, a micro-business financing company, has expressed interest in having the Centre conduct in-house training for their clients. The Project has now ended and a report was made to the Japanese Government through the United Nations Development Programme.

RESEARCH IN PROGRESS

Research continues in the areas of Gender Issues in Education, Development of Masculinities and Femininities, Gender-based Violence.

Caribbean Gender Ideology: Influence, Transformation and Impact— The Ford Foundation(US\$70,000.00)

This interdisciplinary research project examined the way in which the ideologies around masculinities and femininities have shifted in the last decade, factors that have influenced any perceived shifts, the impact of these ideologies on gender relations in the region, and the influence that this could have on policy formation. Data collection began in January 2003 in Guyana, Belize, Antigua and Barbados and a debriefing meeting was held in March by teleconference. The preliminary report was discussed in May at a focal point meeting, held in Jamaica.. A preliminary report on the

findings was prepared and submitted to Ford Foundation through the office of Prof. Wayne Hunte, Pro-Vice-Chancellor, Research. Five specialist papers have been completed and will be peer reviewed and published. The comprehensive report to the funding agency is also in the final stage of completion.

Root Causes of Gender-Based Violence – Canada Caribbean Gender Equality Fund (CCGEF) - CDN\$48,279

The issue of violence against women was one of the critical areas of world-wide concern in the *Platform for Action* emerging from the 4th World Conference on Women held in Beijing in 1995. This view was further reflected in a report prepared by CARICOM on the *Status of Women in the Caribbean* where it was identified as one of the five critical issues affecting women in the region.

The Regional Coordinating Unit therefore secured funding from the Local Gender Equality Fund to gather data on the possible root causes of gender-based violence in Jamaica. This research, which is ongoing, is expected to identify some of the indicators of this “culture of violence” and contribute to an understanding of the phenomenon with a view to taking action to reduce the incidence of such violence. The long term aim of the research is “to inform national policy and to promote public education programmes, and interventions aimed at significantly reducing the occurrence of gender violence”.

Gender Training and Research (Japan Fund for Women – US\$200,000)

The Regional Coordinating Unit of the CGDS was invited by the Embassy of Japan to submit a proposal to support the Centre’s distance education programmes, the development of a database and web site which will allow access to current research on Caribbean issues to policy analysts, planners, and international development agencies. The Japan/Women in Development (WID) Fund, has provided funding for the proposal, which includes as well, a research project to examine gender-based violence as it relates to *Gender Socialization, Violence and the Education System*. Project activities began in June 2003.

Canada/Caribbean Gender Equality Fund (Jamaica)/UNIFEM.
Development of Gender Training Modules for Women in Middle Management
US\$48,539.00

Awareness of the need to use Gender analysis as a strategy for bringing about change and transformation in organisational structures is growing both internationally and regionally. In response to long-term plans put in train by certain United Nations agencies and the World Bank, to enable national planners to formulate gender-responsive, pro-poor, and environmentally sustainable policies, programmes and projects, the CGDS/RCU has sought to meet this need regionally by holding a training workshop to enhance the skills of writers of training material for dual mode delivery. These writers have developed one module - *Gender and Management* and are in the process of completing the second - *Gender Issues in the Caribbean*. They will be edited and published and used for training of Middle level managers.

PAPERS PRESENTED

Bailey, Barbara

- “A Case Study on Gender-Sensitive Educational Policy and Practice in Jamaica”. Education for All Global Monitoring Report. International Bureau of Education (IBE). UNESCO: Geneva, Switzerland, May 2003.
- (with Heather Ricketts). “Gender Vulnerabilities in Labour Market Relations and Decent Work Provisions: Policy Implications and Direction”. First Caribbean Labour Policy Conference jointly organised by The Labour Studies Programme, Mona School of Business, UWI, Mona, Jamaica, April 2-5, 2003.
- “Relations of Gender in the Caribbean: Education, Work and Citizenship”. Regional Workshop on Gender Analysis for the Association of Oil and Natural Gas Industry in Latin America and the Caribbean (ARPEL). Kingston, Jamaica. March 12-13, 2003.
- “Educational Outputs: Links to Economic, Political and Citizenship Outcomes for Caribbean Women”. UNESCO’s Regional Consultation on Main-streaming Gender for Development. UWI, Mona. January 30-31, 2003.
- (with Elsa Leo-Rhynie) “Engendering Governance: Strategies for Promoting Gender Equity” (with special reference to increased participation of women in government). Mona Academic Conference 2002. UWI, Mona Campus, August, 2002.

- “Women, Work and Wages in the Private & Public Sectors: The Links to Educational Attainment.” Jamaica Teachers’ Association 38th Annual Conference, Women’s Caucus. Renaissance Jamaica Grand Resort, Ocho Rios, St. Ann, Jamaica. August 20, 2002

PUBLICATIONS

Refereed

Bailey, Barbara

- * “Globalisation and labour market transformation: Implications for women’s human resource development”. In: (eds.) Noel M. Cowell and Clement Branche. *Human Resource Development and Workplace Governance in the Caribbean*. Kingston, Jamaica: Ian Randle Publishers, 2002.
- * “Gendered education, fact or fiction: the realities in a secondary level classroom”. In: (ed.) Mohammed, P. *Gendered Realities: Essays in Caribbean Feminist Thought*. Kingston, Jamaica: The UWI Press, 2002.
- * *A Review of Gender Issues in the Dominican Republic, Haiti and Jamaica*. Report No. 21866-LAC. Washington, DC: The World Bank.

Non-Refereed

- * “Gender as a Cross-Cutting Theme in Human and Social Development”. In: *Caricom View: Investing in Our Human Resources*. Georgetown, Guyana. CARICOM Secretariat. 2003. pp.12-14
- * “The Feminisation of Tertiary Education”. In: A Woman’s Place. *YouWe: Quality Education Forum*, No.8. 2002. Kingston, Jamaica: The University of the West Indies. pp.3-5.
- * “Educational Outputs: Links to Economic, Political and Citizenship Outcomes for Caribbean Women”. Paper presented at UNESCO’s *Regional Consultation on Main-streaming*

Gender for Development. Mona Campus, University of the West Indies. January 30-31, 2003.

PUBLIC SERVICE

- Member, Project Advisory Committee for Jamaica of the Canada/Caribbean Gender Equality Fund (CCGEF)
- Member, UNFPA Planning Committee for launch of 2002 State of the World Population Report
- Government of Jamaica's representative, Consultative Committee of the United Nations Development Fund for Women (UNIFEM).

CATEGORIES OF STUDENTS

Postgraduate Students

Three MSc students
Two MPhil
Four PhD

Distance Certificate Students

First intake of 15 students

DISTINGUISHED VISITORS TO THE CENTRE

The Hon. Mrs. Justice Norma McIntosh, Supreme Court of Jamaica

Mr. Naresh Singh, CIDA, Ottawa

CENTRE FOR MARINE SCIENCES

George F Warner, BSc *London*, PhD *UWI* – Director

WORK OF THE CENTRE

Coastal habitats, in particular coral reefs, continue to be the focus of our work which includes pure and applied research as well as management issues, addressed through both academic routes and public service.

Examples of our involvement in management and applied research issues include help provided to NEPA by Scientific Officer **Mr Peter Edwards** in the matter of mangrove replanting in Kingston Harbour; Data Manager **Mrs Dulcie Linton's** invited and fully funded participation in international coastal management workshops in Miami and the Philippines; Discovery Bay Marine Laboratory Head, **Dr Norman Quinn's** editorial work on the book *Aquatic Knowledge and Fishing Practices in Melanesia*, undertaken with colleagues in Papua New Guinea; and Chemistry graduate student **Ms Debbie-Ann Ramsay's** poster on groundwater seeps into Discovery Bay which won the Top Poster Prize in the UWI Mona Science Faculty Conference, March 11-13, 2003.

New facilities and equipment at DBML

Improved facilities at Discovery Bay have included the conversion of the old Library into a lecture room, while the Library itself has been moved into one of two new rooms constructed in the adjacent corridor. This room now doubles as a financial office, providing better security for the Library. The second "corridor room" is available for small group meetings. The new lecture room has been receiving favorable comments from visitors.

An informal ceremony was held at DBML in August 2002 to name the four new “Workskiff” aluminum boats purchased for us by UWI. The Rev. Donald Lawrence gave the blessing and named each boat as follows: *Scomber* i.e. “mackerel” (23ft), *Panulirus* i.e. “lobster” (21ft), Seahorse (21ft) and *Dasyatis* i.e. “sting ray” (16ft). In attendance were the Principal of the Mona Campus Professor Kenneth Hall, Deputy Bursar Mr Herman McDaniel, Dean of FPAS Professor Ronald Young, Emeritus Professor Ivan Goodbody, a contingent from the US Peace Corps including new volunteers, and staff, students and friends of CMS and DBML. After the naming, trips around the bay in the new boats were provided by Lab staff.

Staff matters

August 2002 was the final month of Ms Cho-Ricketts’ part-time employment in CMS working as Research Assistant on our joint project with the University of Delaware (see below, course development). She left to take up appointment as Director of the Coastal Zone Management Institute in Belize. Data Analyst Tatum Fisher left in June 2003 after two years with our Caribbean Coastal Data Centre (CCDC) to take up a job as Science Officer in the Turks and Caicos Islands. We congratulate them both on their career advancement and look forward to future collaboration. We welcome Mrs Samantha Cowan who joined DBML in June as Administrative Supervisor, replacing Mrs June Lawrence who has resigned to relocate to the USA. We thank Mrs Lawrence for 10 years of exemplary service and wish her well in her new life.

Workshops and Seminars

CMS Seminar Series

Nine seminars were presented during Semesters 1 and 2, the series being organized by Mr Peter Edwards. These were:

- A brief study of the coral reef fisheries at Ocho Rios: Dr Warner, CMS.
- 2002 report on the state of the coral reefs in the Northern Caribbean: Mrs Dulcie Linton, CMS.
- Geological features of the Cayman Trough: Ms Debbie-Ann Rowe, Geology.

- Beach sand analysis of Jamaican beaches: Ms Shakira Khan, Geology.
- The recent dredging of Kingston Harbour: Mr Sean Green, NEPA
- Port Royal as a Focal Point for Marine Biodiversity: Professor Ivan Goodbody, Life Sciences.
- Nutrient Concentrations in Discovery Bay: Dr Anthony Greenaway, Chemistry.
- Highlights of the Integrated Coastal Management course held during January at the University of Miami: Mr Marlon Hibbert, CMS, and Mr Jerome Smith, NEPA.
- Investigations in the deep sea around Jamaica: Professor Ivan and Mrs Charlotte Goodbody, Life Sciences.
- The status of crocodiles in Jamaica: Ms Josette La Hee, NEPA.

Seminar on the Discovery Bay Ecosystem Management Project (DBEMP)

Presentations were given at DBML concerning the environment of Discovery Bay.

- Historical perspective and review of DBEMP: Dr Jeremy Woodley, CMS Associate.
- Nutrient contamination in Discovery Bay: Dr Anthony Greenaway, Chemistry.
- DBML and its efforts with fishers in the Fisheries Improvement Programme: Mr Peter Gayle, DBML.
- Analysis of sediment cores from Columbus Park Reef: Dr William Precht, Northeastern University, USA.

In attendance were a group of Executives from Kaiser Bauxite, staff of CMS and DBML and other visitors to DBML. DBEMP was funded by Kaiser Bauxite in 1995-98 and we hope that this seminar will mark the resumption of closer collaboration between DBML and Kaiser.

Workshop and Seminar on “Impact and Amelioration of Sediment and Agrochemical Pollution in Caribbean Coastal Waters” June 13 and 26, 2003.

These events were organized by CMS through our DFID-funded project of this name which terminated in June. Participants at the Workshop included our colleagues on the project (CARDI, Caribbean Coastal Area Management, Chemistry Department, CMS, Life Sciences Department, MRAG UK Ltd., Pesticide Control Authority Jamaica, and representatives from St Lucia) and at the Seminar also included MAFF, NEPA and RADA to disseminate the findings to a wider audience. Presentations at the Seminar included those by Dr D. Webber (Life Sciences), Mr P. Edwards (CMS), Mr L. Simpson (CARDI) and Prof T. Dasgupta (Chemistry).

Workshop to create the Jamaica Coral Reef Monitoring Network (JCRMN).

As one of the activities under our UNEP grant, a meeting was organized in July 2003 by the CCDC at DBML to bring together all those in Jamaica who are involved in coral reef monitoring. Representatives of the following organizations participated: CMS, Coast Guard, DBML, Institute of Jamaica, Jamaica Sub-Aqua Club, Mainstreaming Adaptation to Climate Change, Montego Bay Marine Park, National Environment and Planning Agency, Negril Marine Park and the University Sub-Aqua Club. Each organization gave a brief presentation, and this was followed by a general discussion on gaps in knowledge and constraints to monitoring. An e-group has been formed and a plan for future monitoring will be developed by CCDC.

GRANTS & DONATIONS

Coordination and reporting of coral reef monitoring

50,000 \$US to the CCDC from the United Nations Environment Program (UNEP) to coordinate the Northern Caribbean and Atlantic Node of the Global Coral Reef Monitoring Network (GCRMN), establish reporting links, facilitate coral reef monitoring, report coral reef status in the region and to prepare a proposal for sustainability of these activities.

Pelagic Fishery Development - A Long-Line Training Programme

US\$2600 donated to DBML from the Peace Corps Special Projects Assistance Program to train Discovery Bay fishermen in techniques of offshore fishing and marketing options and to collect data on pelagic fish stocks.

The International Society for Reef Studies (ISRS) Library Awards for 2003.

The following books: *Corals of the world* by JEN Veron and M Stafford-Smith; *Soft Corals and Sea Fans* by K. Fabricius and P. Alderslade; *Systema Porifera* by J Hooper and R van Soest; *Proceedings of the 9th International Coral Reef Symposium*, Bali, Indonesia, 2000; *Perspectives on Coral Reefs* edited by D Barnes, and subscriptions to the ISRS journal *Coral Reefs* and ISRS newsletter *Reef Encounter* for the triennium 2003-05; were awarded to DBML by ISRS based on criteria of relevance of our mission to coral reef studies, the number of people who would be likely to make use of the materials, the quality of arrangements for access and the track record of contributions made by the institution so far.

Ford Explorer donated by CWIP (USAID/GOJ)

This 1999 vehicle, bought in early 2000 for our CWIP projects in coastal water quality monitoring and implementation of community initiatives in coastal zone management, has now been signed over to CMS, UWI, and will be used initially at DBML to facilitate transport to research sites along the north coast.

RESEARCH IN PROGRESS

Mr P M H Gayle

- Coastal ecosystem monitoring under the CARICOMP protocol.
- Video-monitoring of deep reefs.

Dr A M Greenaway & students

- Water quality in the Great River, Black River and other coastal sites including Discovery Bay.

Dr M P Haley & students

- Habitat use by reef fishes of artificial reefs.

- Grazing patterns of different species of sea urchins on algae-covered reefs.
- Studies on coral abundance on offshore coral reefs.

Mrs D M Linton

- Management and analysis of coral reef and other coastal monitoring data.

Dr N J Quinn

- Settlement of lobsters and corals.
- Temperature fluctuations in coastal waters, including Papua New Guinea.
- Melanesian fishing practices.
- Pelagic fish stocks off Discovery Bay.

Dr G F Warner & students

- Taxonomy and ecology of black corals on Jamaican reefs.
- Breeding of pelicans in Kingston Harbour: effects of pollution and management issues.
- Grazing of herbivores (parrot fish, sea urchins) on coral reef algae.

**Dr D F Webber & collaborators in CMS, CARDI,
Dept of Chemistry and students**

- Coastal oceanography in embayments
- Impact and amelioration of sediment and agrochemical pollution on Caribbean coastal waters.

PAPERS PRESENTED

- Campbell, K.P. & Greenaway, A.M. “Water quality of the Great River watershed”. 6th Biennial Conference of the Faculty of Pure & Applied Sciences, UWI Mona. March 18-20, 2003.
- Creary, M., Walling, L., Green, S. & Wilson Kelly, P. “Coral reef monitoring for climate change impacts”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.

- Edwards, P.E.T. & Fisher, T.C. “Coral reefs, are they really that important?” SRC 16th Annual Conference: Science and Technology for Economic Development: Towards health, Wealth and Knowledge, November 28-30th 2002, Kingston.
- Gayle, P.M.H. “CARICOMP monitoring at Discovery Bay”. CARICOMP Site Directors Meeting, Nov 30-Dec 6 2002, Grand Cayman. (Funded by CARICOMP).
- Gayle, P.M.H. “Transplantation of benthic species as a strategy for mitigating the anthropogenic impacts of coastal development”. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean, 14-18 July, 2003, Trinidad.
- Gayle, P.M.H., Wilson-Kelly, P. & Green, S. “Dredging and coral relocation at Rackham’s Cay”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.
- Gayle, P.M.H., Woodley, J & Sary, Z. “Fisheries management measures instituted at Discovery Bay, Jamaica, with special reference to establishment of the fisheries reserve and subsequent activities to develop the local fishery”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.
- Greenaway, A.M. “The Great River Water Quality Monitoring Programme”, AGM Great River Watershed Management Committee, 6th November 2002, Montego Bay.
- Greenaway, A.M. “Nutrient removal technologies and wastewater management. AND Nutrient dynamics and the impact of nutrients on the marine environment”. UNEP/IMA's Regional Training workshop, 9-13 December 2002, Trinidad.
- Greenaway, A.M. “The CWIP Port Antonio Coastal Water Quality Monitoring Programme: a report of the results. AND A framework for an effective Governance system: The Annotto River Streambelt”. CWIP workshop, April 30-May 1, Port Antonio.
- Linton, D.M. “Participant. Reefs at Risk in the Caribbean: Threat Assessment Workshop”. Oct 22-24 2002, Miami, Florida. (Funded by Reefs at Risk).
- Linton, D.M. “Progress at the Caribbean Coastal Data Centre”. CARICOMP Site Directors Meeting, Nov 30-Dec 6 2002, Grand Cayman. (Funded by CARICOMP).

- Linton, D.M. “The Caribbean Coastal Data Centre: Regional Data Archiving, Information Generation and Dissemination for Sustainable Management of Coastal Resources”. International Tropical Marine Environmental Management Symposium (ITMEMS) March 17-20 2003, Manila, Philippines. (Funded by UNEP).
- Quinn, N.J. “Biological evidence for diminished nursery capacity in Discovery Bay marine communities”. 6th Biennial Conference of the Faculty of Pure & Applied Sciences, UWI Mona. March 18-20, 2003.
- Quinn, N.J. “Have good land management practices protected essential coastal nurseries? Case Study: Discovery Bay, Jamaica”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.
- Quinn, N.J. “Using *Panulirus argus* pueruli as a biological indicator of inshore marine community health”. 1st International Conference on Coastal Zone Management, 5-7 May 2003, Cuba.
- Quinn, N.J. “More evidence that Caribbean *Acropora* coral populations are in trouble – a view from the maternity ward”. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean, 14-18 July, 2003, Trinidad.
- Quinn, N.J. & Kojis, B.L. “Biological evidence for diminished nursery capacity in Discovery Bay”, Jamaica. 55th Annual Meeting of the Gulf & Caribbean Fisheries Institute, Xel-Ha, Mexico, 11-15th November 2002.
- Townsend, S.E., Maxam, A.M. & Webber, D. “The dispersal of phytoplankton along the coastal embayments, Hellshire coastline, St. Catherine, Jamaica”. 6th Biennial Conference of the Faculty of Pure & Applied Sciences, UWI Mona. March 18-20, 2003.
- Warner, G.F. “US-Caribbean Cooperation in Integrated Coastal Management”. ALO (USAID) Synergy in Development Meeting 12-14 August 2002, Washington DC. (Funding from ALO Grant).
- Warner, G.F. “CARICOMP, the Caribbean Coastal Marine Productivity program”. Netherlands Antilles Coral Reef Initiative meeting, Oct 23-29, 2002, Curacao. (Funding from Reef Care Curacao).

- Warner, G.F. “Protection of the marine environment with special reference to fisheries”. Jamaica Fishermen Cooperative Union Ltd meeting: Fishing for Prosperity and Sustainability, 7 November 2002, Kingston.
- Warner, G.F. “Mangrove Wetlands: Use and Abuse”. World Wetlands Day at, Birdlife Jamaica and the Montego Bay Marine Park, Feb 1 2003, Montego Bay Marine Park
- Warner, G.F. “The Work of the Centre for Marine Science”, SRC Research & Development Group meeting, Feb 12 2003, Kingston.
- Warner, G.F. “The CARICOMP Data Centre”. Caribbean Sea Environmental Assessment workshop, 26-30 May, 2003, Trinidad. (Funding from The Cropper Foundation).
- Warner, G.F. “Occurrence and distribution of black corals (Antipatharia) from Jamaican deep reef environments”. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean, 14-18 July, 2003, Trinidad.

PUBLICATIONS

Refereed

- * CARICOMP [GF Warner *et al*] (2003). Status and temporal trends at CARICOMP coral reef sites. pp 325-330 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.
- * CARICOMP [DM Linton *et al*] (2003). The Caribbean coastal marine productivity program (CARICOMP) database: potential for data mining and comparisons of Caribbean-wide datasets. pp 901-908 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.
- * Cho, L.L. & Woodley, J.D. (2003). Recovery of coral reef at Discovery Bay, Jamaica and the role of *Diadema antillarum*. pp 331-338 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.

- * Crabbe, M.J.C., Mendes, J.M. & Warner, G.F. (2002) Lack of recruitment of non-branching corals in Discovery Bay is linked to severe storms. *Bull. Mar. Sci.* 70: 939-945.
- * Cumming RL, MA Toscano, ER Lovell, BA Carlson, NK Dulvy, A Hughes, JF Koven, NJ Quinn, HR Sykes, OJS Taylor & D Vaughan (2003). Mass coral bleaching in the Fiji Islands, 2000. pp 1161-1168 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.
- * Haley M. and Clayton A. (2003) The role of NGOs in environmental policy failures in a developing country: the mismanagement of Jamaica's coral reefs. *Environmental Values*, 12:29-54.
- * Linton, D.M. & Warner G.F. (2003). Biological indicators in the Caribbean coastal zone and their role in integrated coastal management. *Ocean & Coastal Management*, 46: 261-276.
- * Woodley, JD and Z Sary (2003). Development of a locally-managed fisheries reserve at Discovery Bay, Jamaica. pp 627-634 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.

Non-Refereed

- * Clayton A. & Haley M. (2003) Policy Problems and the Protection of the Marine Environment; are NGOs the solution...or part of the problem? *The Gleaner*, January 17.
- * Haley, M. & Clayton, A. (2002). Fishing is destroying Jamaica's coral reefs. E3, *The Gleaner*, December 18.
- * Linton, D., Smith, R., Alcolado, P., Hanson, C., Edwards, P., Estrada, R., Fisher, T., Gomez Fernandez, R., Geraldles, F., McCoy, C., Vaughan, D., Voegeli, V., Warner, G. & Wiener, J. (2002) Status of Coral reefs in the Northern Atlantic and Caribbean Node of the GCRMN. pp 277-302 in C. Wilkinson (ed) *Status of Coral Reefs of the World: 2002*. Australian Institute of Marine Science.

- * Quinn, N.J. & Downer, E. (2002) The 2002 Jamaican Game Fishing Tournament Results. *DBML Technical Report* 02/01, pp. 22.
- * Quinn, N.J. & Kojis, B.L. 2002. Biological evidence for diminished nursery capacity in Discovery Bay, Jamaica. 55th Annual Meeting of the Gulf & Caribbean Fisheries Institute, Xel-Ha, Mexico, 11-15th November, Abstract, p119.
- * Quinn, N.J. & Lawrence, J (eds.) *Discovery Bay Marine Lab Annual Report* 2003. pp. 12.

PUBLIC SERVICE

P.E.T. Edwards

- Scientific Advisor, Kingston Harbour Mangrove Replanting Steering Committee

P.M.H. Gayle

- Member, Ocho Rios Environmental Advisory Group

D.M. Linton

- Member, Steering Committee, Caribbean Coastal Marine Productivity program

N.J. Quinn

- Member, Jamaican Hotel and Tourist Association, Ocho Rios
- Member, St. Ann's Bay Chamber of Commerce

G.F. Warner

- Member, National Council for Ocean and Coastal Zone Management
- Member, Scientific Authority for CITES
- Member, Advisory Board, Natural History Division, Institute of Jamaica
- Member, Steering Committee, Caribbean Coastal Marine Productivity program

STUDENTS AND TEACHING

Postgraduate students registered with CMS, 2002/3

	MPhil	PhD
Conducting fieldwork	3	1
Writing up	2	1
Submitted	2	2
Awarded degree in 2002/3*	–	1
Total	7	5

*The PhD Degree in Marine Sciences was awarded to **Judith Mendes**. Her thesis research “Skeletal density banding in the stony coral *Montastraea annularis*” was supervised by Dr J.D. Woodley.

Teaching contributions by CMS

- Marine components in the Life Sciences MSc Biological Approaches in Ecosystem Management
- Coral reefs in BL31F Benthic Marine Communities
- BL20L Diving Technology for Aquatic Scientists
- Underwater Photography courses at DBML

Course development

Masters Level distance-learning module in Integrated Coastal Management, in collaboration with the Centre for the Study of Marine Policy, University of Delaware, USA (funded by ALO, USAID).

EARTHQUAKE UNIT

Margaret D. Wiggins-Grandison BSc *UWI*, MS *Athl. U*
– Research Fellow in Seismology

WORK OF THE DEPARTMENT

The beleaguered old building housing Stony Hill seismograph station was completely refurbished at a cost of about \$536,000.00. Globe Insurance Company W.I., Ltd. donated the money in September 2002 and the station was re-opened on March 12, 2003. The structure was strengthened, fitted with a slab roof, re-wired, painted, and the floor was tiled. In addition, a metal door was installed and the building was insulated and air-conditioned to protect the instruments not only from possible intruders, but also from excessive temperature fluctuation and humidity. It was quite a unique opening ceremony as seido-karate instructor, Tony Robinson broke a cement block (JBS certified) with one deft stroke of his bare hand as Globe's Managing Director, Evan Thwaites, other Managers of Globe, EQU staff and journalists observed. Jamaica's first **broadband seismograph** and various other earthquake recording equipment were displayed and their uses explained to the audience. A plaque was placed near the entrance to the building commemorating Globe's contribution to its restoration.

Also in 2003, the Earthquake Unit (EQU) was designated **Jamaica's National Data Centre (NDC)** of the United Nations' Comprehensive (Nuclear) Test-Ban Treaty Organization (CTBTO). As such the EQU will be linked by VSAT to the CTBTO's International Data Centre (IDC) in Vienna, and have direct access to near-real time data from the CTBTO's International Monitoring System (IMS). The IMS consists of globally distributed networks of state-of-the-art geophysical instruments providing uniform monitoring of seismic, hydroacoustic, infrasound, and radionuclide energyfields. Through the EQU, interested Jamaican

Government agencies and research institutions can have access to these data. The site for the VSAT has been selected and approved by the CTBTO Communications Manager who visited the Unit in July. Local estimates for its preparation were obtained, license applications were submitted to the local authorities, and a timetable for establishing the link was prepared.

Earthquakes recorded

Four hundred and thirty (430) earthquakes were recorded by the Jamaica Seismograph Network (JSN) during this period. Just over half of these occurred in Jamaica (171) and near to Jamaica (48 within approximately 400 km), 61 within the Caribbean Basin, and 90 were extra-regional events (see double pie chart). The remaining 60 events were attributed to local explosive operations, possibly mining or road construction. One hundred and fifty-four (70%) of the local and near events were located, including eight felt events, three of which occurred in close succession on August 10, two in October, and one each in January, May and July 2003 (see table of felt earthquakes). The largest of these was the event of August 10 at 01:22 am EST that had a magnitude of 4.6, which was strong enough (Intensity V) to awaken many in eastern and central parishes.

Jamaica Seismograph Network (JSN)

The island's first broadband seismograph was installed in March 2003 at Stony Hill to coincide with the re-opening of that station. This instrument is expected to boost significantly the earthquake detection and research capabilities of the JSN and the EQU. The station at Portland Cottage (PCJ) was upgraded to three-components on June 26, 2003, increasing the number of three-component stations within the JSN to four. Eighty (80) trips were made during this period to improve, maintain and repair remote seismic and telemetry equipment. Four stations, STH, GWJ, HOJ and YHJ performed well in spite of inclement weather conditions (see station performance bar chart). These stations and MBJ showed improved performances compared to the same period last year. In particular, HOJ and YHJ improved markedly, with YHJ recording over 50% of earthquakes recorded for the first time. Seven stations had declining performances recording less than 50% of the earthquakes. For MCJ and PCJ the declines were significant as they both recorded over 50% in 2001-2002. BBJ, BNJ, CVJ, NEJ and MBJ continued to perform below

par. We continued to experience problems associated with our north-eastern stations as CMJ in Castle Mountain, Portland, recorded nothing over the past two years. This year the problem was exacerbated as BBJ in Bamboo, St. Ann, and BNJ in Bonny Gate, St. Mary, also failed to record any earthquakes. This was caused by the unfortunate disconnection in July 2002 of the power supply (which is the responsibility of the agency leasing the building) at BNJ, which is the retransmission node for BBJ and CMJ signals. These three stations have underperformed in the past because of transmission difficulties due to poor line-of-sight in this mountainous part of the country. As technical staff continue to wrestle with this issue, portable instruments were installed at two of the sites. The digital portable ORION instrument at Green Hill was damaged apparently by lightning and was repaired by the manufacturers at cost of over USD1400.00 (some of which is to be recovered from insurance).

Jamaica (Digital) Accelerograph Network

The remaining two digital accelerographs were installed in Mandeville and Port Antonio bringing the number of these instruments installed across the country to eight, seven Etna-types and one K2. The accelerographs at STH and Mona Campus recorded the earthquakes of August 10, 2002 at 01:22 and 01:58 a.m. representing one of our first digital acceleration recordings of a strong earthquake since the installation of the instruments (see accelerogram attached). Unfortunately, the instrument at Port Antonio did not record the earthquakes, as it was out of order at the time due to protracted power problems at the site. One Etna instrument has been damaged by lightning and needs to be sent to the manufacturers for repair.

Global Positioning System network

In collaboration with Professor Charles de Mets of the University of Wisconsin at Madison, USA, a network of 20 Global Positioning System monuments has been established across Jamaica starting in 1999. Geodetic-grade receivers are installed at these sites to collect precise location data, which is used to study crustal velocities and ultimately, the neotectonic behaviour of Jamaican faults. Continuous recording takes places at two sites, in south and central Jamaica, from which data are collected monthly. During this period, the portable instrument was installed in turn at eleven sites, where it is normally left for seven to ten days each. The portable receiver was unavailable for a few months as it was damaged and had to undergo repair at the manufacturer.

Staff

Raymond Stewart (BSc-Geology) was appointed Seismic Analyst in January 2003. Raymond had been acting in the post since May 1999. Karleen Black (BSc-Geology) was recruited in an, 'acting' capacity bringing the staff complement to six, but it is hoped that her eventual appointment will strengthen the research capability within the EQU. Florin Ionica spent three months study leave in Romania, where he continued working towards a PhD in the field of seismic data transmission.

Teaching

During Semester II, Jan to April 2003, M. Wiggins-Grandison taught 'Applied Geophysics' (GL36A) at the Department of Geography and Geology. Seven (7) students completed the course.

RESEARCH IN PROGRESS

Wiggins-Grandison, M.D

- Inversion of local earthquake primary and secondary wave travel times to develop an average flat-layered crustal velocity model for Jamaica.
- (with Ojeda Carriazo, A) Mapping lateral heterogeneities in the Jamaican crust using local earthquake tomography.
- Receiver function analysis to determine the depth and nature of the crust-mantle transition for Jamaica.
- Determining the Jamaican crustal stress regime from inversion of earthquake fault-plane solutions.
- (with DeMets, C.) Determination of slip velocities on local faults that may be associated with local tectonic activity and wider Caribbean – North American Plate motions.

Ionica, F.

- Expanding the capabilities for data downloading in the Jamaica Strong Motion Network using GSM modems in the frame of existing GSM networks in Jamaica.

PAPERS PRESENTED

- * DeMets, C and **Wiggins-Grandison, M.D.** “Measurements of Slip Rates on Jamaican Faults”, Faculty of Pure & Applied Sciences, Mona, Conference, March 18-20, 2003, Mona Campus, UWI, (poster).
- * **Wiggins-Grandison, M.D.** and Ojeda Carriazo, A. E., A First Tomography of Jamaica, Seismological Society of America AGM, April 29 to May 2, 2003, San Juan, Puerto Rico, 17 pp.

PUBLICATIONS

Refereed

- * “Crustal velocity model along the southern Cuba margin: implications for the tectonic regime at an active plate boundary”. B. Moreno, **M. Grandison**, K. Atakan. *Geophysical Journal International* 151 (2002): 632-645.

OUTREACH

- November 2002 - Old Dramatic Theatre, UWI, (staff) Annual Earth Day exhibition organized by the Department of Geography and Geology
- November 2002 – CTBTO Caribbean Workshop, Runaway Bay HEART Academy, Jamaica, (Wiggins-Grandison) an invited talk on Seismic Monitoring in Jamaica, hosted by the Ministry of Foreign Affairs and Foreign Trade.
- January 12 to 18, 2003, Earthquake Awareness Week activities:
 - Media interviews:* (Wiggins-Grandison) Jamaica Observer, KLAS FM89 - First Edition (host Easton Douglas); JIS TV; KLAS FM - My Place (host Tony Young); Power106 - Nationwide (Cliff Hughes).
 - Talks:* (Wiggins-Grandison) “Jamaica's Vulnerability to Earthquakes”: 2:00 pm, St. Andrew High School Geography Club; 4:00 pm, Registrar of Companies

Tours of the Earthquake Unit and Central Recording Station by School Groups: (Staff)

School of Hope (22 students, 3 teachers)

Holy Childhood High School Geography club (15 students, 1 teacher)

Drews Avenue Primary School (5 students 1 teacher)

Green Park Primary and Junior High, Sandy Bay, Clarendon (25 students, 4 teachers)

St. John's Primary School, Spanish Town (104 students, 3 teachers)

Allman Hill Primary and Junior High School (26 students, 1 teacher)

Donald Quarry High School (18 students, 2 teachers)

- March 30 to April 4, 2003: M. Wiggins-Grandison attended the seventh “Introductory On-site inspection training workshop at the (United Nations) Comprehensive (Nuclear) Test-Ban Treaty Organisation (CTBTO) in Vienna, Austria, nominated by Ministry of Foreign Affairs & Foreign Trade
- June 2003, Disaster Preparedness Month (staff), exhibition “Risk Management: the new culture”, at the Portmore Mall, organized by the Office of Disaster Preparedness and Emergency Management (ODPEM)

DISTINGUISHED VISITORS

Gordon Arnold, Marketing Manager, Globe Insurance Company (W.I) Ltd.,

Ambassador Wolfgang Hoffman, Executive Secretary, United Nations Comprehensive (Nuclear) Test-Ban Treaty Organisation (CTBTO), Vienna, Austria,

Ali Bi, CTBTO Preparatory Commission, Vienna, Austria

Sheila Sealy-Monteith, Ministry of Foreign Affairs & Foreign Trade, Jamaica

Gerald Desmuelles, Communications Dept., CTBTO.

Felt Earthquakes

Date	Time (EST)	Location	Magnitude & Industry	FeltAreas
August 10, 2002	01:22 am	Offshore eastern Jamaica	4.6 maximum intensity V	Kingston & St. Andrew, Portland, St. Catherine & Clarendon
August 10, 2002	03:58 am	east Jamaica	4.2	Kingston & St. Andrew, Portland, St. Catherine & Clarendon
August 10, 2002	03:59 am	east Jamaica	3.7	Kingston & St. Andrew, Portland and St. Catherine
October 8, 2002	10:27 pm	Red Hills, St. Andrew	2.7	Kingston & St. Andrew
October 10, 2002	05:57 pm	Blue Mountain Ridge, Portland	3.4	New Kingston, St Andrew
January 30, 2003	10:14 am	Silver Hill Peak, Portland	3.8 Intensity III to IV	widely felt in Kingston & parts of St. Andrew
May 14, 2003	08:54 pm	Cockpit Country, Trelawny	3.7 maximum intensity IV to V, in Trelawny	Kingston & St. Andrew, St. Catherine, Clarendon, St. James and Trelawny
July 19, 2003	06:07 pm	Eastern Jamaica	3.4 intensity II	felt by a few favourably placed individuals in the parish of St. Andrew

ELECTRON MICROSCOPY UNIT

Klaus W. Wolf, PhD – Head of Unit

WORK OF THE UNIT

The Electron Microscopy (EM) Unit, Mona has been instrumental throughout the 2002/2003 academic year in helping Researchers and other Interest Groups to achieve their goals of obtaining results in and gaining a better understanding of Electron Microscopy. Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), Optical Microscopy (OM) and one case of Macrophotography (MP) were all used to benefit Researchers on and off the Mona campus, Postgraduate-, Undergraduate-, and High School-students, recent Inductees to the University of the West Indies and Representatives of an international producer of scientific instruments. Tables 1 and 2 indicate respectively, services that the EM Unit has provided and Interest Groups that have gained improved understanding of EM, via tours and demonstrations conducted at the EM Unit.

Tab. 1: Services provided by the EM Unit during the academic year 2002/2003

Specimen	Technique	U.W.I Institution / External Partner
Corixid insect	OM	Scientific Research Council, St Andrew
Fungi in yam tubers	OM	Dept. of Life Sciences, U.W.I., Mona
Human red blood cells	OM	Dept. of Basic Med. Sciences, U.W.I., Mona
Penicillium slides	OM	Dept. of Life Sciences, U.W.I., Mona

Plant parasitic nematodes	OM	Dept. of Life Sciences, U.W.I., Mona
Soil particles	OM	University of Technology, St Andrew
Weld pellets	OM	University of Technology, St Andrew
Coconut embryos	OM	Coconut Industry Board / Dept. of Basic Med. Sciences, U.W.I., Mona
Whelks (marine snails)	MP	Centre for Marine Sciences
Black corals	SEM	Centre for Marine Sciences
Ceramics	SEM	Dept. of Physics, U.W.I., St Augustine
Fossilized crustacea	SEM	Dept. of Geology & Geography, U.W.I., Mona
Marine carbonate sand	SEM	Dept. of Geology & Geography, U.W.I., Mona
Rat femur	SEM	Dept. of Basic Med. Sciences, U.W.I., Mona
Fungi in yam tubers	TEM	Dept. of Life Sciences, U.W.I., Mona
Organo-metallic compound	TEM	Dept. of Chemistry, U.W.I., Mona
Zinc oxide crystals	TEM	Dept. of Chemistry, U.W.I., Mona

Tab. 2. Tours of the EM Unit conducted with various groups

Tour Group	Location	Number of Persons
Ardenne High School	St. Andrew	14
Calabar High School	St. Andrew	10
Holy Childhood High School	St. Andrew	6
Graduate Students of Chemistry	UWI, Mona	15
Inductees to the Campus	UWI, Mona	18
Microbiology Students	UWI, Mona	ca. 200
Researchers and Technologists	University of Technology, St. Andrew Northern Caribbean University, Manchester	5

Laboratory classes were conducted with undergraduate students. Over a two-week period, Dr Wolf delivered lectures and conducted tutorial and laboratory sessions in the course “Cells, Biomolecules and

Genetics (BB10A)”. From Oct.17 to 25, 2002, Dr. Wolf conducted a practical course focusing on the preparation of biological specimens for the TEM at the Mount Hope Medical Center, Port of Spain (Trinidad). Two lectures were done during that time. The EM Unit contributed to the Research Days of the Mona Campus by providing posters for a booth in the Assembly Hall and tours of the EM Unit, during the course of the Research Days.

The research conducted by the staff of the EM Unit, focused on surface morphology of insect eggs and resulted in the publication of one peer-reviewed article. In addition, five papers were presented. Collaborations, previously established with researchers on-campus and abroad (Table 3), were maintained.

Tab. 3 Collaborations with the EM Unit during the academic year 2002/2003

Subject	Collaborator
Morphology of filamentous material covering egg batches of a moth	Cell Biologists at the Institute of Molecular Biotechnology, (Jena, Germany)
Visualization of the tymbal organ of moths, using SEM	Entomologists at the Dept. Life Sciences, U.W.I., Mona
Surface morphology of moth eggs	Entomologists at the Dept. Life Sciences, U.W.I., Mona
Morphology and composition of radular teeth in a freshwater snail	Ecologists at the Dept. Life Sciences, U.W.I., Mona

RESEARCH IN PROGRESS

- Gamete structure and development in insects using diverse microscopic techniques

PAPERS PRESENTED

- “HABITAT partitioning, diet and radular structures of *Neritina punctulata*, Bussu, in two Portland rivers.” **Martin, T.R.**, Wolf, K.W. and Hyslop, E.J. In: Proceedings of the sixth biannual conference. Faculty of Pure and Applied Sciences. Eds.: Coore, D. and Lancashire, R., published by the Faculty of Pure and Applied Sciences, Mona, p.63, 2003.

- “An optical illusion in scanning electron micrographs of the chorion of the tiger moth *Are druryi* (Lepidoptera: Arctiidae).” **Wolf, K.W.**, Murphy, K., Reid, W. and Garraway, E. In: Proceedings of the sixth biannual conference. Faculty of Pure and Applied Sciences. Eds.: Coore, D. and Lancashire, R., published by the Faculty of Pure and Applied Sciences, Mona, p.83, 2003.
- “Filamentous material covering egg batches of the moth *Spodoptera pulchella* (Lepidoptera: Noctuidae).” **Wolf, K. W.**, Reid, W. and Watson, A. In: Proceedings of the sixth biannual conference. Faculty of Pure and Applied Sciences. Eds.: Coore, D. and Lancashire, R., published by the Faculty of Pure and Applied Sciences, Mona, p.83, 2003.
- “Depth Reversal, a Type of Optical Illusion, in Scanning Electron Micrographs of Biological Material.” **Wolf, K. W.**, Reid, W. In: 96 Jahresversammlung der Deutschen Zoologischen Gesellschaft und der Deutschen Gesellschaft für Parasitologie, June 9 to 13, 2003 Berlin (Germany). Abstract Volume p. 129, 2003.
- “Chorion Morphology in Tropical Insects: Examples from the Lepidoptera and Hemiptera with a Note on Optical Illusions in Scanning Electron Micrographs.” **Wolf, K. W.** Seminar at the Department of Genetics – Institute of Entomology of the Czech Academy of Sciences on June 16, 2003.

PUBLICATION

Refereed

- * “Optical Illusions in Scanning Electron Micrographs: The Case of the Eggshell of *Acrosternum (Chinavia) marginatum* (Hemiptera: Pentatomidae).” **K.W. Wolf**, W. Reid., M. Schrauf. Micron 34, 57- 62, 2003.

PUBLIC SERVICE

Dr. K.W. Wolf

- acted as ad hoc referee for “The Ohio Journal of Science”

DISTINGUISHED VISITORS

Dr. H. Karlic, Ludwig Boltzman Institute of Leukemia Research,
Vienna, Austria

Dr. P. Jeppesen, Roslin Institute, East Lothian, Scotland

Prof. J.R. Wolff, Dept. of Developmental Neurobiology, Center
of Anatomy, University of Göttingen, Germany

INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)

**Professor the Hon. Gerald C. Lalor, OJ, CD, MSc *Lond-UCWI*,
PhD *Lond* – Director General**

WORK OF THE DEPARTMENT

The programmes currently being undertaken by the Centre are based on environmental geochemistry which provides data and knowledge that contribute to agriculture and health. Collaborations from various sectors, and especially the Ministry of Agriculture, Ministry of Health, Rural Agricultural Development Agency (RADA) and the UWI Faculty of Medicine have greatly assisted this programme.

Small Research Reactor Workshop

The Centre held a Inter-regional Workshop on Small Research Reactors during the period of January 13 - 17, 2003. There were twenty participants from fifteen countries. The main topics were: the small reactor concept and design, neutron activation analysis and other applications, possibilities for fund raising, the future of small reactors and final decommissioning.

The well-attended opening ceremony was addressed by the Vice-Chancellor. Those present included Ministers of Government and ambassadors from the participating countries. Funding for the Workshop was provided by the IAEA.

Staff Recognition

Dr. Mitko Vutchkov, Senior Research Fellow received the Gleaner Award in the field of Science and Technology, for his work on lead in the Kintyre area. He was nominated by the principal of the Kintyre Basic School.

Professor Gerald Lalor was inducted as a Fellow of the Institute of Jamaica.

Database and Information Systems

The Jamaican Government has made available IKONOS satellite imagery which covers the entire island. This satellite produces multispectral and grey scale images at 4 metre and 1 metre resolution respectively.

The information systems have improved greatly. The database now contains over 200,000 analytical data entries on over 14,500 samples of soils, rocks, surface and ground water, stream sediments, air particulates, food, blood, animal and human kidney and liver tissues. The data are complimented by the satellite imagery, geographically referenced information on topography, climate, vegetation, land use, geology, mineral deposits, and plant productivity.

Equipment

A custom-built total reflection x-ray fluorescence unit made by the Atominstitut in Vienna was presented to the Centre by the IAEA. This machine will enable us to quantify ultra trace levels of various elements and open new opportunities for work on medical aspects of heavy metals in human tissue.

Students and Interns

ICENS continues to support the usual undergraduate programmes on request. The normal summer programme was, however, restricted to only two students because of a lack of funds and a very heavy staff workload. One was an Applied Chemistry student performing his work assignment, the other from the University of Michigan who funded all her expenses.

Paul Wright obtained his PhD in Environmental Chemistry from the University of the West Indies in 2002. His thesis supervisor was Dr. Anthony Greenaway.

Funding

The following grants were received by the Centre:

- Agricultural Support Services and Productive Projects Fund:
J\$1,425,000.00 to assist with sampling of soil and root crops.
- Caribbean Development Bank:
US\$90,000 for short-term consultants in support of the project on food and health.
- Environmental Foundation of Jamaica:
J\$4,875,000 to examine the blood lead levels of children island-wide.
- International Atomic Energy Agency:
 - US\$150,000 for equipment, experts and visits of staff to other centres.
 - US\$ 35,000 to support the international workshop held January 13 – 17, 2003.

Visiting Fellowships

Dr. R. Garrett Canadian Geological Survey visited for 4 weeks. He assisted with the interpretation of gold results in Jamaican soils and in data base manipulation.

Dr. Nimal de Silva visited for two weeks to assist in the analyses for mercury.

Dr. Brian Davies visited for two weeks to convert soil type information into digital maps.

Dr Toyin Arowolo, University of Agriculture, Nigeria, was a Third World Academy of Sciences Fellow. He worked on the distribution of cadmium and zinc as a function of particle size in soils.

RESEARCH IN PROGRESS

Our main programmes in progress are Food and Health and Blood Lead Levels of Jamaican Children:

(a) Food and Health

The programme contributes to small farmer agriculture in Jamaica. Very interesting results are being obtained on heavy metals in soil, their entry into the food chain and eventually into people. The socio-economic and health aspects are also under investigation.

(b) Lead Mitigation

Following on the work in the Kintyre community an island-wide blood lead screening of basic school children is underway. Over two hundred and eighty children have so far been examined, and in many cases the results exceed the presently accepted blood lead limits. In these cases, environmental interventions and lead safe training have been provided or are planned, and in a more limited number of cases medical interventions are being arranged.

(c) Other programmes underway include:

Soil Geochemistry
Air Quality
Inter-laboratory Comparisons

PAPERS PRESENTED

Robert G. Garrett and Gerald C. Lalor

- The Fe/Na ratio, a framework for interpreting trace elements in Jamaican soils, 7th International Conference on the Biogeochemistry of Trace Elements, Uppsala, Sweden, June 2003.

PUBLICATIONS

- * “Dry-ashing preconcentration for micro-reactor-based neutron activation analysis of food and plant samples”. Gerald C. Lalor,

Percy C. Onianwa and Mitko K. Vutchkov. *International Journal of Environmental Analytical Chemistry*, 83 (5), 367-374 (2003).

- * “Thermoluminescence Dosimetry in the Caribbean”. C.N. Grant, G.C. Lalor, J.E. Thomas. *West Indian Medical Journal* 52 (2), 118-123, 2003.
- * “Essential Elements in Jamaican soils Part 2: Cobalt”. Lalor, G.C., and Vutchkov, M. *Jamaican Journal of Science and Technology* 12 & 13 35-47 (2002)
- * “Essential Elements in Jamaican Soils Part 1: Phosphorous”. Campbell, V., Lalor, G.C. and Rattray R. *Jamaican Journal of Science and Technology* 11, 13-22 (2000)
- * “Heavy Metals in Jamaica Part 5: Reduction of Blood Lead levels of Children in a Mine-Waste Contaminated Area” Lalor, G.C., and Vutchkov, M. *Jamaican Journal of Science and Technology*, 11, 23-35 (2000)

PUBLIC SERVICE

Professor Gerald Lalor

- Director of Gleaner Company;
- Member, Board of Governors of the ICWI Group Foundation
- Member, Council of the Third World Academy of Sciences (TWAS); Commission on Science and Technology for Sustainable Development in the South (COMSATS);
- Member, National Commission for Science and Technology (NCST);
- Member, Technical Committee of the Scientific Research Council.
- Member, Editorial Board, The Science of the Total Environment; Environmental Geochemistry & Health; and Jamaica Journal of Science & Technology

Dr. Robin Rattray

- Secretary, Council of the Jamaican Society of Scientists and Technologists
- Member, Air and Water Quality Subcommittee, NRCA
- Director, Lions Club of Mona

Dr. Mitko Vutchkov

- Agro-Industry Projects Committee Member, Scientific Research Council.

Dr. Gladstone Taylor

- Member: Executive Council, Inter-American Institute for Global Change Research.

Mr. John Preston

- Member, Land Information Council of Jamaica
- Member, Telecommunications Appeals Tribunal.

Mrs. Joan Thomas

- Member, Radiation Protection Advisory Committee of Jamaica.
- Member, Inner Wheel Club of Kingston.

DISTINGUISHED VISTORS

Professor C.N. Rao, Board of Governors, ICENS

H.E. Edward Malayan, Ambassador for the Russian Federation

H.E. Rafael Jover, Ambassador for Spain

H.E. Rocio Maneiro, Ambassador for Venezuela

H.E. I.V. Chopra, High Commissioner, India

Professor Peter Wobrauschek, Atominstitut, Vienna

Professor Christina Strelj, Atominstitut, Vienna

Hon. Errol Ennis, Minister of State, Ministry of Agriculture

SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES (SALISES)

Professor Neville Duncan, BSc, MSc *UWI*, PhD *Manc*
– Campus Director

WORK OF THE INSTITUTE

Overview

This was a highly productive year for the Institute. **Dr. Patsy Lewis** won the Mona Principal's book prize for the Faculty of Social Sciences, for 2002, for her book, *Surviving Small Size: Regional Integration in Caribbean Mini States*. **Dr. Aldrie Henry-Lee** (along with Professor Wilma Bailey and Clement Branche) won the Mona Principal's award for the Distinguished Researcher in the Faculty of Social Sciences for 2002. **Dr. Nikolaos Karagiannis** had two books published during the academic year. Overall, there were 22 refereed publications, 19 forthcoming publications, and 8 not refereed. Thirty four papers were presented at academic conferences. Further physical improvements to the Institute and its grounds were achieved as well as improvements in office equipment. Several social, political and economic reports on Jamaica were undertaken in this period (19 in all) – maintaining our reputation for relevant research. Congratulations go to **Annie Paul** for the modern design and choice of colours for the cover of the new SES Journal for 2003 and beyond. Congratulations also go to **Sheron Barnes-Wilmot** and her team of administrators from SALISES, Cave and SALISES, St. Augustine for the publication of our institutional magazine *SALISES VOICE*, vol. 1, 2003. Janice Brooks, subscriptions clerk, has resumed duties after a year on study leave. She is currently in the final semester of the BSc in Public Administration. Mrs. Beverly Lothian and Ms. Olamaie Christie continue their degree programme in library studies.

The Degree Programmes

The second cohort of students (42) was admitted to MSc programmes, continuing MSc students numbered 23, leading to 65 MSc students in all.

Postgraduate Students' Statistics 2002-2003

Degree Programme	No. of Students from 2001-2002	No. of New Students 2002-2003	Total
MSc Full Time	6	22	28
MSc Part Time	17	20	37
PhD/MPhil Full time	3	4	7
PhD/MPhil Part Time	13	7	20
CGS (continuing PT)	—	3	3
Total	39	56	95

Subject to the successful completion of their research papers this Summer, the Institute expects to graduate up to 40 students in the MSc. Programmes. This is the end of the second year of the MPhil/PhD programme which now has 16 students continuing from 2001 and 11 from 2002 with three continuing from the Consortium Graduate School.

The Documentation Centre (DDC)

The most significant event for the past year has been the successful experiment to introduce a user-friendly web-based interface for access to the group of databases which comprise the online public catalogue. Preparatory work to assess the journal collection prior to reducing the current number of subscriptions began with identifying titles where articles appear as full-text in the campus electronic databases. The well-recognized trend of a regular significant annual prices increase as well as devaluations have translated into million dollar payments by SALISES, Mona. The move towards a type of formal consortium of tertiary (or perhaps UWI only) libraries for the purchase of (admittedly costly) electronic databases is slow but a partnership model is the inevitable outcome. Joint decision-making and pooling of funds will result in orderly and profitable resource-sharing within the consortium.

Outstanding tasks were completed in respect to:

- stock-taking of the Archival collection which consists of reports, papers, publications, etc. written by staff of the Institute and, to a lesser extent, the Faculty of the Social Sciences.
- converting the ‘upper-case only’ older SWTP database records in preparation of our switch-over to a web-based interface.
- re-doing the signage for journals on shelves of the Reading Room.

The database of records of articles, book reviews, notes and comments which appeared in the Institute’s journal for the first 50 volumes of the SES is undergoing a final round of scrutiny. From this database, author, subject, chronological and other groupings may be derived for print or online output.

The Derek Gordon Data Bank (DGDB).

Technical advice to students continues to prove most time-consuming. MSc students from SALISES and from Dept. of Sociology preparing research papers and using our datasets need considerable assistance, from the simple to the more difficult tasks/issues of data analysis. Data acquisition was low in 2002-2003. SALISES signed a contract with Jamaica Conference Board for acquisition of consumer business confidence data but those data have been slow in coming. Along with persons in the Department of Economics, the DGDB has been trying to negotiate for other datasets but has not received any others, to date. We now have new software – EVIEWS; and Adobe Acrobat Reader. The latter will facilitate our move towards Web-based teaching. There has been considerable improvements made to our website and it is an important medium for communication between SALISES’ lecturers and students with notices and course notes. Also we experienced increased usage including demands from overseas for data. We need to establish a system so that data can be sent to persons paying with a credit card. There is a demand for extended opening hours. An informal arrangement has worked sufficiently well so far and will be continued. The Data Bank was rented to Ministry of Health for training.

Publication Section

This was a productive year for the section with several publications added to our list. The unit continued to sell books on a walk-in basis, occasionally holding book sales to coincide with the beginning of a new semester or conferences and other symposia. The income recorded by the publications section for the period September 2002 to August 2003 was \$1,367,973.62.

Journal (Social and Economic Studies (SES), 2002-2003)

There has been the successful completion of a new cover design for the journal. The design, which has been a personal project of Annie Paul for some time, was inspired by and based on the intricate, labyrinthine patterns produced by the reef-building brain corals of the Caribbean. Like the coral reefs of the region, Social and Economic Studies can be viewed as a bank of valuable research material produced by regular deposits of scholarly sediment over the last fifty years. In the last academic year the following issues came off the press or were in production during the course of the year:

- i. Vol. 51/3 September 2002: Special issue “Managing Health Care in Jamaica” guest edited by Alvin Wint.
- ii. Vol. 51/4 December 2002: Special issue on “Vulnerability/ Coping Strategies” guest edited by Aldrie Lee.
- iii. Vol. 52/1, March 2003 came out under the new cover. Feedback has been very positive.

Vol. 52/2, June 2003 is at the printers. Vol. 52/3 the special Gender issue guest edited by Professor Rhoda Reddock in commemoration of 10th anniversary of the Centre for Gender and Development Studies is in production now. Vol. 52/4 will be a special issue on Community guest edited by Dr. Patricia Anderson.

We are in the process of revising our subscription rates which have not been changed for some years now. Pending a check of the actual cost of producing the journal it is proposed that the individual foreign rate move from US\$40 to 60; the foreign institutional rate from US\$60 to 90; the local individual rate from J\$1600 to J\$3000; the local institutional from J\$2400 to \$5000. The price of single copies would move from J\$350 to J\$600 locally with a 20% discount for students.

Book publication

The highlight of the year under review was the publication of **Erna Brodber's** *Standing Tall: Affirmations of the Jamaican Male – 24 Self-Portraits*. This book, publication of which had been in gestation for over 20 years, is already seen to be a seminal work and is a fitting launch for the revival of the institute's book publishing activities. Also published in this period was the new edition of **Patrick Bryan's** *Philanthropy and Social Welfare in Jamaica*, a book which has been in steady demand especially in the departments of sociology and social work where it is a required text. Arrangements were finalized for the co-publication, along with Ian Randle Publishers, of a new edition of Velma Newton's *The Silver Men*. The book is due off the press in October 2003. In the editing stage of production at year end was Jimmy Tindigarukayo's *Evaluation of Local Government Reforms in Jamaica*, scheduled to go to press in October 2003.

With some help of the UWI Legal Department, a new Standard SALISES publishing contract was drafted and then finalized in the year under review. This contract will now be used by all three SALISES campus branches. During the year a comprehensive *catalogue* of all publications produced by the three campus branches of SALISES was produced. The usefulness of this document as a record of our publishing output as well as a marketing tool was already evident at year end. Work output from this division also included the substantive copyediting of the first *SALISES Graduate Studies Handbook*, published in August 2002, and the proofing of this year's revised edition, published in April 2003.

Future Projects

SALISES has a number of projects in the pipeline for production in the academic year 2003-2004.

SALISES publications were displayed at the following overseas/international conferences:

- Caribbean Publishers Network (CAPNET) First Regional Book Fair, Trinidad, November 2002
- "The Sovereignty of the Imagination: The Writings and Thought of George Lamming", UWI, Mona, June 2003

The Institute's books were part of joint CAPNET displays at the following events:

- Frankfurt Book Fair, October 2002
- Caribbean Studies Association (CSA), 28th Annual Conference, Belize, May 2003
- Association of Caribbean Universities Research and Institutional Libraries (ACURIL) Conference, San Juan, Puerto Rico, June 2003

A selection of our titles was included in the overall CAPNET catalogue produced for the first time in 2002.

Academic Teaching and Research

(Research completed)

Dr. Philip D. Osei

- Evaluation of Jamaica’s National Poverty Eradication Programme as part of a team. GOJ, JASPEV, March 2003 to July 2003.
- ESRC Governance Project (UK) with the Public Sector Group, Department of Political Science, University of Hull. January-July 2003, “Globalisation and the Governance Agenda in Small States: The Case of the Commonwealth Caribbean”, (a collaborator).

Ms. Kristin Fox

- Evaluation of Jamaica’s National Poverty Eradication Programme, as part of a team for GOJ, JASPEV.
- The Belize Poverty Survey, as part of a research team.
- Assisted Ministry of Health with a WHO designed study of Human Resources in Health
- Working with Family Health International on establishing an appointment system at Comprehensive health centre.

Dr. Aldrie Henry-Lee

- Conflict Management, Gender and Reproductive Health in Two Inner City Communities in Jamaica (funded by Ford Foundation).

- Gender and Equity Issues Among Cancer Patients (funded by PAHO)
- Government Expenditure on Basic Social Services in Grenada (funded by the OECS)
- Pals Base-Line Study in Trench Town and Flankers Basic Schools, Jamaica, W.I. (funded by CIDA)

Dr. Patsy Lewis

- “The Future of Special and Differential Treatment in the FTAA”, July 2003, study commissioned by the Association of Caribbean States, research team: Drs. Patsy Lewis, Lucy Eugene, Pat Northover and Don Marshall

Dr. Patricia Northover

- “The Future of Special and Differential Treatment in the FTAA”, July 2003, study commissioned by the Association of Caribbean States, research team: Drs. Patsy Lewis, Lucy Eugene, Pat Northover and Don Marshall

Dr. Jimmy Tindigarukayo

- Evaluation of Jamaica’s National Poverty Eradication Programme, as part of SALISES team (Commissioned by GOJ, JASPEV), March 2003 to July 2003.
- Evaluation of Local Government Reform in Jamaica (1993-2000).
- A tracer Study of Graduates of the National Youth Service Programme in Jamaica: 2001/2002 (commissioned by Ministry of Education and funded by IDB).
- A Critical Review of Public Service Reform in Jamaica

RESEARCH IN PROGRESS

Professor Neville C. Duncan

- National Poverty Eradication Programme Review, Jamaica, with Dr. Aldrie Henry-Lee, Kristin Fox, Dr. Philip Osei, Dr. Jimmy Tindigarukayo, JASPEV, GOJ, July 2003.
- Millennium Development Goals, Jamaica, with Dr. Aldrie Henry-Lee, JASPEV and UNDP (Jamaica), GOJ, July 2003.
- Jamaican Attitudes to Regional Integration: A Survey Report, with Dr. Patsy Lewis, Dr. Aldrie Henry-Lee, Ms. Kristin Fox, and Dr. Jimmy Tindigarukayo, Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), UWI, Mona, Kingston, Jamaica, July 2003.

Dr. Aldrie Henry-Lee

- Chief Investigator: *An assessment of the impact of imprisonment of women on their children* (Sponsored by CIDA and the Planning Institute of Jamaica)
- Chief Investigator: An Evaluation of the PALS Programme in High Schools and Basic Schools. (Sponsored by CIDA).
- Researcher: *Status Report for Jamaica on the Millennium Development Goals* (sponsored by the United Nations Development Fund)
- Researcher: Evaluation of the National Poverty Eradication Programme In Jamaica. Sponsored by DFID and the Government of Jamaica.
- Fieldwork Coordinator: *Assessment of Jamaicans' Attitudes to political integration* (Sponsored by the Principal's office).
- Researcher: Feasibility Study for the project: Policy and Implementation of User Fees and the Impact on Health Seeking and Coping Behaviour of Patients in Jamaica. (Sponsored by Pan American Health Organization)
- Project Historian/Analyst for *The Civic Dialogue Project* (funded by the UNDP)
- Researcher/Fieldwork Coordinator- Social Assessment in Belize (funded by DFID)

Dr. Jimmy Tindigarukayo

- A Survey of Jamaican Attitudes towards Regional Integration, as part of a SALISES research team.
- Effectiveness of the Executive Agency Model in the Public Sector of Jamaica.

PAPERS PRESENTED

Professor Neville C. Duncan

- “Governance in Small Societies: The Importance of Strong Democracy”, Mona Academic Conference, Mona Campus, UWI, Jamaica, 2002
- “Radicalism and Caribbean Transformation”, Lloyd Best Conference, UWI, St. Augustine Campus, Trinidad and Tobago
- “Review of paper by Audrey Ingram Roberts on “The Cultural and Socio-political Context of Leadership in the Caribbean”, United Nations Development Fund for Women (UNIFEM), Transformational Leadership Conference, United Nation’s House, Bridgetown, Barbados, October 3-4, 2002. Independent reviewer.
- “Examining the Impact of Poverty Programmes on Poverty Alleviation: Limitations and Strengths”. Regional Workshop of the Social Network of Latin America and the Caribbean, February 26-28, 2003, JSIF, Ocho Rios, Jamaica
- Roundtable, “Strategic Discussion on National Framework for Sustainable Development”, GOJ, March 12, 2003, Terra Nova Hotel, Kingston
- “Reformed local government and local development: towards a better model”. Forum on Local Governance in Small States: Issues, Experiences and Options. St. Vincent and the Grenadines, April 14-15, 2003 “Caribbean Local Government: Development and Economic Issues”.
- “Reflections o the World Today and Tomorrow and the Caribbean in it: training, education and learning responses”, Keynote Address, The School of Continuing Studies, the

University of the West Indies, St Vincent and the Grenadines Country Conference, “Beyond Walls: Multidisciplinary Perspectives”, May 22, 2003

- “The Social Dimensions of Globalisation in the Anglophone Caribbean and the Dutch-Speaking Caribbean: Towards Appropriate Responses and Corrective Activities”. World Commission on the Social Dimensions of Globalisation, A Caribbean Dialogue, hosted by the ILO, at the Sherbourne Conference Centre, Barbados, April 9, 2003.

Dr. Aldrie Henry-Lee

- “Chronic Poverty in the urban ghettos in Jamaica”. University of Manchester, UK, April 2003. Conference entitled “Chronic Poverty and Development”.
- “Challenges to social development in Jamaica”. Caribbean Studies Association Annual Conference in Belize, May 25 to June 2, 2003.

Dr. Nikolaos Karagiannis

- “Key economic and politico-institutional elements of modern interventionism: A post-Keynesian synopsis”, *State and Society Special Seminar*, Institute of Social Studies (ISS), The Hague, on 27 November 2002.
- “Towards a Caribbean Developmental State framework”, 4th annual conference on Economic and Social Development of Small Islands in the Era of Globalisation, SALISES, UWI, Cave Hill, Barbados, January 15-17, 2003.
<http://www.uwichill.edu.bb/papers/W10QJCL/Karagiannis.rtf>

Dr. Patsy Lewis

- “Tourism as an Alternative to Banana Production: the Windward Islands”, Conference on the Role of Government in Tourism: Enhancing Human and Economic Development”, UWI, Mona, September 25-28, 2002.
- “Expanding the National Space into Regional Integration: Freedom of Movement in the Caribbean Single Market and Economy”, tabled at Seminar, “Politics of Integration and the

Future of the Caribbean”, PUCMM, Dominican Republic, December 9-10, 2002.

- “Negotiating with Unequal Partners: Small States in the New Global Economy”, Fourth Annual Conference of the SALISES, Cave Hill, Barbados Sherbourne Centre, Barbados, January 15-17, 2003.
- “Expanding National Space into the Regional: Freedom of Movement in the Caribbean Single Market and Economy”, 1st Caribbean Labour Policy Conference, UWI, Mona, April 2-5, 2003.
- “Regionalism and Identity in CARICOM”, 28th Annual Conference of the Caribbean Studies Association (CSA), Belize City, Belize, May 25-30, 2003.
- “The Limits of Sovereignty in the New Global Order: Small States and the European Union”, 28th Annual Conference of the Caribbean Studies Association (CSA), Belize City, Belize, May 25-30, 2003.
- “The Future of Special and differential treatment in the FTAA, Possible Mechanisms and Specific Measures for its Implementation”, presentation of study jointly prepared with Drs. Patricia Northover, Lucy Eugene and Don Marshall, to the Association of Caribbean States (ACS) and the Economic Commission for Latin America and the Caribbean (ECLAC) Workshop-Seminar, July 14-15, 2003, Port of Spain, Trinidad and Tobago.
- “Increasing Tourism’s Impact in the National Economy: Case Study of the Banana Producing Countries of the Eastern Caribbean”, Foundation for Democracy in Africa’s 6th Annual AfriCANDO Trade and Investment Symposium, July 22-26, 2003, Miami, Florida.

Dr. Philip D. Osei

- “Financing Poverty Reduction in Jamaica: The Role of Remittances”. 28th Caribbean Studies Association Conference. Belize City, Belize. 26-30 May, 2003.

- “African Development in the Context of the Post-Washington Consensus: The Case of Ghana”, with Patricia Northover. 25th All African Students Conference on 22-24 May, 2003. Mona Campus, Kingston, Jamaica.
- “Legal and Institutional Framework of Local Government in the Eastern Caribbean”, Organisation of American States and UNDP organised Workshop on Decentralisation and Local Governance in Small States. St Vincent and the Grenadines. 13-15 April 2003.
- “New Employment Contracts and the Future of Work in the Caribbean Public Sector: Implications for Policy and Institutional Development”. Caribbean Labour Conference, Mona, Kingston, Jamaica, 5-7 April 2003.
- “Examining the Prospects for Good Governance and Development under ‘The New Partnership for Africa’s Development’ (NEPAD)”. Sir Arthur Lewis Institute of Social & Economic Studies, Seminar Series, 26 March 2003.
- “Regulation in a Flux: The Development of Regulatory Institutions for Public Utilities in Ghana and Jamaica”. 4th Sir Arthur Lewis ISES Conference Sherbourne Conference Centre. January 15-17, 2003.
- “Re-engineering Poverty Reduction in Jamaica: What has been the Role of Partnerships”. Conference on Poverty Reducing Strategies in the Caribbean. Havana, Cuba. November 4-6, 2002.
- “Tripartite Social Partnerships in Small States: Barbados and Jamaica in Comparative Perspective”. Annual Conference of the British Academy of Management. Novotel Hotel, Hammersmith, London. September 9-11, 2002.

Ms. Annie Paul

- March 21, 2003, “Dancehall in Jamaica: On Babylon, Violence, ‘Poor Taste’ and the Disappearance of Jonkonnu”, XXII Annual West Indian Literature Conference: University of Miami, Coral Gables, Florida.

Dr. Kimberly Robinson-Walcott

- “A Matter of Taste: Popular Jamaican Fiction and the Role of a Cultural Elite”. 22nd Annual Conference on West Indian Literature, University of Miami, 20-22 March 2003.

Dr. Patricia Northover

- ‘New Institutional Economics and the Explanation of Economic Performance’, Caribbean Studies Association Conference, Belize, 2003.
- ‘African Development in the Context of the Post Washington Consensus.’ With P. Osei, at the 15th Annual All-African Student Conference, Mona, Jamaica.

Dr. Jimmy Tindigarukayo

- “Why Political Order has been Elusive in Uganda”, conference on The Quest for Political Order and Stability in African Countries, held at Makerere University, Kampala, on December 5-10, 2002.

PUBLICATIONS

Refereed

Dr. Aldrie Henry-Lee

- * (Guest editor) Special Issue on Vulnerability and Coping Strategies. *Social and Economic Studies*, Vol. 51, No.4. UWI.
- * (with Figueroa Peter). November 2002. Research and Policy: Essential National Health Research in Jamaica W.I. *Caribbean Journal of Public Sector Management*. Vol. 4., Number 1.
- * December 2002. Economic Deprivation and Private Adjustments: The Case of Security Guards in Jamaica. *Social and Economic Studies*, Vol. 51, No.4. University of the West Indies.
- * (with LeFranc, Elsie). December 2002. Poverty and Gender in Barbados and Guyana. *Social and Economic Studies*, Vol. 51, No.4.

Dr. Patsy Lewis

- * *Surviving Small Size: Regional Integration in Caribbean Ministates*, (University of the West Indies Press: Jamaica, Barbados, Trinidad and Tobago) 2002, 240 pages (ISBN 976-640-116-0).
- * “Is the Goal of Regional Integration Still Relevant Among Small States? The Case of the OECS and CARICOM”, in Cynthia Barrow-Giles and Don Marshall (eds.), *Living at the Borderlines: Issues in Caribbean Sovereignty and Development*, Ian Randle Publishers, Jamaica, 2003.
- * “¿La integración regional es todavía un objective adecuado para los Estados Pequeños? Los casos de la OECS (Organización de los Estados orientales) y del CARICOM (Comunidad del Caribe), pp.317-344, in Joaquín Roy, Roberto Domínguez Rivera, Rafael Valasquez Flores (eds.), *Retos E Interrelaciones de la Integración Regional Europa y América*, Plaza y Valdes (PYA), University of Miami, 2003.

Ms. Annie Paul

- * “Sound Systems Against the “Unsound System” of Babylon: Rude/Lewd Lyrics vs. Nude Tourists in Jamaica”, in “Créolité and Creolization: Documenta11_Platform3”, edited by Okwui Enwezor et al., Ostfildern-Ruit, Germany: Hatje Cantz Publishers, 2003, pp. 117-136.
- * “‘The Enigma of Survival’: Travelling Beyond the Expat Gaze”, *Art Journal*, Volume 62, Number 1, Spring 2003, pp. 48-67.

Dr. Philip Duku Osei

- * “Tripartite Partnerships in Small States: Barbados and Jamaica in Comparative Perspective”, in Ann Marie Bissessar ed., *Globalisation and Governance: The Challenges of Small States*, McFarland Press, USA, 2003, *forthcoming*

Dr. Nikolaos Karagiannis

- * *A New Economic Strategy for the Bahamas*, the University of the West Indies Printers (Mona, Jamaica), 2002.

- * *Developmental Policy and the State: The European Union, East Asia, and the Caribbean*, Lexington Books (Lanham, Maryland: Rowman & Littlefield Publishers), December 2002.
- * *Economic Strategy for Jamaica*, with D. Alleyne, Arawak Publications (Kingston), July 2003.
- * “An alternative development policy framework for the Caribbean”, *Pensamiento Propio*, Vol. 15, 2002.
- * “Key economic and politico-institutional elements of modern interventionism”, *Social and Economic Studies*, Vol. 50:4, 2002.
- * “Developmental Intervention: A Contemporary Perspective”, *Caribbean Journal of Public Sector Management*, Vol. 4:1, November 2002.
- * “Tobin tax: Its potential and feasibility for the Caribbean”, *IDEAZ*, Vol. 1:2, December 2002.
- * “Tourism, linkages and economic development in Jamaica”, *International Journal of Contemporary Hospitality Management*, Vol. 15:3, May 2003.
- * “Tourism and economic development in the Caribbean and Jamaica: Towards an alternative developmental state framework”, pp. 39-55 in the book *Tourism and Change in the Caribbean and Latin America*, (eds) Boxill I., Taylor O. and J. Maerk, Kingston: Arawak Publications, December 2002.

Dr. Kimberly Robinson-Walcott

- * “Claiming an Identity We Thought They Despised: Contemporary White West Indian Writers and Their Negotiation of Race”, *Small Axe* 14 (Sept 2003). 93-110.

Dr. Jimmy Tindigarukayo

- * “The Squatter Problem in Jamaica”, *Social and Economic Studies*, 51:4, 2002, pp. 95-125
- * “Public Participation in Local Government in Jamaica”, in Selwyn Ryan and Ann Marie Bissessar, eds., *Governance in the Caribbean*, SALISES, St. Augustine, 2002, pp.89-101.

Not Refereed

Professor Neville C. Duncan

- * “Radicalism and Caribbean transformation”, in Selwyn Ryan, ed., *Independent Thought and Caribbean Freedom: Essays in Honour of Lloyd Best*, Sir Arthur Lewis Institute of Social and Economic Studies, St. Augustine, Trinidad and Tobago, 2003, pp.163-174
- * Governance in Small Societies: The Importance of Strong Democracy”, in Kenneth Hall and Denis Benn, eds., *Governance in the Age of Globalisation: Caribbean Perspectives*, Chapter 9, Ian Randle Publishers, Kingston, Jamaica, 2003, pp.164-174

Ms. Annie Paul

- * “The Turn of the Native: In Different Times” in *Post Issues: Strategies of Contemporary Creation*, Dialogos Iberoamericanos IV, Museo de Bellas Artes de Valencia, Generalitat Valenciana: Valencia, Spain, 2003, pp. 62-73.
- * “Earth Angels” article on Jamaican ceramicist Gene Pearson *Maco Magazine: Caribbean Living*, Volume 5, Issue 1, Summer 2003, pp. 72-79.
- * Interview with Christopher Cozier, *Bomb* magazine (cultural quarterly), 594 Broadway, Suite 905, New York, NY 10012 Americas/Caribbean issue, Winter 2002/2003, pp. 66-73
- * “Framing the Postcolonial: Annie Paul on Christopher Cozier” in *New Internationalism*, Danish Centre for Culture and Development: Copenhagen, Denmark, 2002, pp. 60-74.

Dr. Kimberly Robinson-Walcott

- * “Conversations on the Edge”. *Bearing Witness 3: the Best of the Observer Arts Magazine 2002*. Anthology of short stories and poems. Kingston: Jamaica Observer. 202-209.
- * “Winkler's Lunatics”. *Caribbean Beat* (Sept - Oct 2002): 40-45

Supervision of PhD/MPhil Students

Professor Neville Duncan 7; Dr. Aldrie Henry-Lee 5; Dr. Nikolaos Karagiannis 2; Dr. Patricia Northover 1; Dr. Jimmy Tindigarukayo 2; and Dr. Philip Osei 6.

Supervision of MSc Research Paper

Dr. Osei 5; Dr. Aldrie Henry-Lee 6; Dr. Patricia Northover 2, Dr. Patsy Lewis 6, Dr. Jimmy Tindigarukayo 4.

PUBLIC SERVICE

- Associate editor, of *Small Axe: A Caribbean Journal of Criticism*, Indiana University Press.
- Director, Board of JAMCOPY, Jamaican Copyright Licensing Agency.

Dr. Kimberly Robinson-Walcott

- Literary Adjudicator, Jamaican Cultural Development Commission's Annual Literary Competition.
- Editor, Institute of Jamaica's publication, *Jamaica Journal*.

Ms. Audrey Chambers

- Adjunct Faculty, DLIS
- Member, Planning Committee for the First Caribbean Labour Conference, April 2003.
- Mentor, Mentorship Programme
- Member, Executive Committee, Library and Information Association of Jamaica.
- Chair, Information Technology Working Party, Library and Information Association of Jamaica.
- Member, Information for All Advisory Committee to the UNESCO National Commission for Jamaica.

Ms. Norma Davis

- Member, Planning Committee for the First Caribbean Labour Conference, April 2003.
- Acquisitions Liaison Staff member, SALISES - UWI Library.
- Liaison Officer, for SALISES - UWI (Mona) & Community Co-op Credit Union.

THE BIOTECHNOLOGY CENTRE

Prof. M. Ahmad, BSc *Bhagal*, MSc, PhD *LARI* – Director

WORK OF THE CENTRE

The Biotechnology Centre, with the cooperation and dedication of its staff, advanced the work of the Centre through education, supervision and training of postgraduate and undergraduate students in its ongoing effort to disseminate information on Biotechnology and to improve Human Resource capacity in Biotechnology.

During the summer of 2003 two students from the College of Agriculture, Portland, were accepted for short term internship at the Biotechnology Centre. Their period of study and work lasted eight (8) weeks. They were taught Biotechnology techniques and other scientific methods under the supervision of **Dr. Sylvia Mitchell**. In addition, five High School students spent two weeks during the summer learning tissue culture techniques. One Graduate Student sponsored by the Jamaica National Building Society was guided and supervised by Dr. Mitchell to determine the source of bacterial infection in turmeric, analyzed neem oils, and initiated ginger and turmeric into tissue culture.

Dr Roye was awarded a Fulbright fellowship from the Council for International Exchange of Students (CIES) through the United States Embassy in Kingston Jamaica. This fellowship allowed Dr Roye to visit the International Laboratory for Tropical Agricultural Biotechnology in St Louis, Missouri for three months - May 18 – August 17th, 2003. She worked under the supervision of Dr Claude Fauquet, renowned virus taxonomist, where she investigated the “Molecular investigations of recombination between cabbage leaf curl virus and Macropitilium golden mosaic virus, a weed-infecting geminivirus from Jamaica”.

In April 2003, she also received the American Phytopathological Society (APS) International Travel Award. An abstract entitled “Cabbage leaf curl disease includes a mixed infection with CabLCV from Florida and a recombinant virus between CabLCV and a weed-infecting geminivirus in Jamaica” was presented in August at the ASP annual meeting in Charlotte North Carolina.

Dr. Helen N. Asemota, Senior Lecturer in the Department of Basic Medical Sciences and the Biotechnology Centre was promoted to the post of Professor of Biochemistry and Molecular Biotechnology, with effect from May 28, 2003.

Professor Asemota holds the Doctor of Philosophy (Ph D) degree from the University of Benin/ Frankfurt University and had joined the Biotechnology Centre in 1991 as a volunteer Lecturer. She was appointed Lecturer in the then Department of Biochemistry in 1996 and promoted to Senior Lecturer in Biochemistry and Biotechnology on indefinite tenure in 1998. Since 2002 she has served as International Consultant, General Organization for Seed multiplication, Tissue Culture Laboratories in Aleppo, Syria under the UN-FAO Technical Cooperation Programme. Prof. Asemota was also a visiting Professor in the Department of Biological and Agricultural Engineering at North Carolina State University in Raleigh, USA and she has served the UN-FAO as International Consultant for Biotechnology in the Republic of Tajikistan.

Dr. Paula Tennant, hosted by Dr. Dennis Gonsalves, visited the U.S. Pacific Basin Agricultural Research Center in Hawaii - May to July, 2003 and assisted with a USAID project on setting up international protocols on the deregulation of transgenic papaya for lesser-developed countries.

Miss Icolyn Haye, a PhD candidate in Biotechnology was awarded a Commonwealth Scholarship. Miss Haye spent a year at the John Innes Centre in the United Kingdom under the supervision of Dr John Stanley investigating “the distribution diversity and recombination among of geminiviruses infecting *Macroptilium lathyroides* from Jamaica”.

Funding

The Biotechnology Centre was awarded a contract for US\$150,992 from the Ministry of Agriculture under the Citrus Replanting Project for Research Sciences in pathology of citrus diseases. The team leader and principal investigators are Drs. Wayne McLaughlin and Paula Tennant,

respectively. The contract commenced in February 2003. It is for three years, and is part of a larger project of the Ministry of Agriculture to control citrus diseases in Jamaica.

In March 2003 Dr Marcia Roye and her research team received funding in the sum of USD36,000.00 the UWI New Initiative Funding to support the project on Molecular Investigations of Recombination between Crop and Weed-infecting Geminiviruses from Jamaica. The fund total is to be applied over a three year period.

Prof. Helen Asemota obtained funding valuing USD2000.00 for studies on the assessment of the glycemic indices of different yam varieties and other tuber crops in Jamaica and other Caribbean countries from the University of the West Indies School of Graduate Studies and Research. These studies are being undertaken by Perceval Bahado-Singh's, an M Phil candidate at the Centre.

RESEARCH IN PROGRESS

Prof. M. H. Ahmad and Dr. Sylvia Mitchell

- The use of neem oil as biopesticide
- Tissue Culture of medicinal plants

Dr. Paula Tennant

- Development of transgenic papaya with resistance to papaya ring spot virus (PRSV)
- Pathology of Citrus Diseases

Dr. Wayne McLaughlin

- Molecular biology, epidemiology of whitefly-transmitted geminiviruses infecting tomato and peppers in the Caribbean

Dr. Marcia Roye

- Molecular biology and epidemiology of whitefly-transmitted geminiviruses infecting crops and weeds.

Dr. Helen Asemota

- Bioengineering of yams and biochemical studies on yam extracts for medicinal value

- Protoplast isolation and gene manipulation from plant cell culture

Dr. Andrew Wheatley

- Commercial production of yam plantlets through tissue culture
- Molecular basis of sprouting in yam and the characterisation of Jamaican yam starches.

PAPERS PRESENTED

Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003

- Lowell L. Dilworth, Felix Omoruyi, Helen Jacobs, Errol Y. Morrison and Helen N. Asemota. "Anti-Nutritional factors and mineral contents in some Caribbean tuber crops: Effects of Processing".
- Simone T. Earle-Barrett, Kathleen Lobban, Andrew O. Wheatley and Helen N. Asemota. "Genetic variation and cultivar identification of *Dioscorea alata* using Random Amplified Polymorphic DNA and Amplified Fragment length Polymorphism". p. 78
- Mellisa P. Powell, Andrew O. Wheatley, Paula F. Tennant, Felix O. Omoruyi, Helen N. Asemota, Dennis Gonsalves, Errol Y. Morrison and Mohammad Ahmad. "Effects of consumption of Transgenic papaya (*Carica papaya* L.) on rat intestinal disaccharidases". p. 48
- Kathleen S. Lobban, Andrew O. Wheatley, G. Osuji and Helen N. Asemota. "Application of RFDD in the Determination of Genes triggered during the sprouting of yam tubers (*Dioscorea sp.*)". p. 51
- Cliff K. Riley, Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad and Helen Asemota. "Morphological Characterization of Starches Extracted from six Jamaican Yam (*Dioscorea spp.*) species". p.76

- Powell, M., Wheatley, A., Tennant, P., Omoruyi, F., Asemota, H., Gonsalves, D., Morrison, E., and Ahmad, M. H. (2003). "Effects of consumption of transgenic papaya (*Carica papaya* L.) on rat intestinal disaccharidases".
- Roberts, M., Minot, D., Tennant, P., Jackson-Malete, J., and Gonsalves, D. (2003) "Comparative evaluation of transgenic and non-transgenic papaya (*Carica papaya* L.) fruit developed for the control of Papaya ringspot virus in Jamaica".

Proceedings of the Fifth Conference of the Faculty of Pure and Applied Sciences, Mona, Jamaica, March 17-19

- Webster S., Mitchell S., and M.H. Ahmad (2003) "*In vitro* propagation of some medicinal plants of commercial value".
- Millar M. K. J., S. M. Mitchell, M. H. Ahmad and K. G. Golden (2003) "Azadirachtin levels of commercial Neem oils and neem seed grown in Jamaica".

11th Annual Research Conference, Faculty of Medical Sciences, UWI, Mona

- Melissa P. Powell, Andrew O. Wheatley, Paula F. Tennant, Denis Gonsalves, Felix O. Omoruyi, Helen N. Asemota and Mohammad H. Ahmad. "The effects of consumption of coat protein transgenic papaya (*Carica papaya* L.) on liver and kidney enzymes function in rats". West Indian Medical Journal. 52 (Suppl. 41): 18

18th International Diabetes Foundation (IDF) Congress in Paris, August 24-29, 2003

- Andrew O. Wheatley, Cliff K. Riley, Perceval S. Bahado-Singh, Thornia S. Smith, Errol Y. St. A. Morrison, Mohammad H. Ahmad and Helen N. Asemota. "Relationship between amylose content and the in vitro digestibility and glycemic index of some Jamaican yam (*Dioscorea spp.*) starches".

Jamaica Institute of Environmental Professionals 1st national scientific conference on Environmental Management and Sustainable Development: Medicinal Plant Utilization, Jamaica

- Mitchell S.A., M. Millar and M.H. Ahmad (2003). “Advancing environmental knowledge towards decision making in sustainable development”, April 2003.

Institute of Food Technologists. Annual General meeting, Chicago, Illinois,

- Roberts, Madeen, Minott, Donna A., Tennant, Paula F., and Jackson, Jose C. (2003). “Comparison of selected nutritional and anti-nutritional components of transgenic and nontransgenic papaya fruit (*Carica papaya* L.) in Jamaica”. July 12-13.

PUBLICATIONS

- * Turner, Shawna-Gae, Tennant, Paula, and. Ahmad, M.H. (2003) Evaluation of wild *Carica* species for resistance to Papaya ringspot virus isolates from Jamaica. JAGRIST (The Bulletin of the Jamaican Society For Agricultural Sciences) 15: 20-25
- * Mitchell S. A. and M. H. Ahmad (2003). Agricultural Biotechnology in the Caribbean. AgBiotech (ABN 106)
- * Mitchell S.A. and M.H. Ahmad (2002). The Wonders of the Neem Tree. Health, Home and Garden Magazine, Jamaica pg 78-80
- * Powell, M., Wheatley, A., Tennant, P., Omoruyi, F., Gonsalves, D., Asemota, H., and Ahmad, M. H.W. (2002). The effects of consumption of coat protein transgenic papaya (*Carica papaya* L.) on liver and kidney enzyme functions in rats. West Indian Medical Journal Supplement 51 (4): 18
- * Tennant, Paula, Ahmad, M. H., and Gonsalves, Dennis. (2002) Transformation of *Carica papaya* L. with virus coat protein gene for studies on resistance to Papaya ringspot virus from Jamaica. Tropical Agriculture (Trinidad) 79: 105-113

PUBLIC SERVICE

Prof. M. H. Ahmad

- Board Member, National Commission on Science and Technology (NCST)
- Member, National Biosafety Committee of the NCST

Dr. Wayne McLaughlin

- Board Member , Scientific Research Council
- Member, National Biosafety Committee (NCST)

Dr. Helen Asemota

- International Consultant, Food and Agriculture Organization (FAO) of the United Nations
- Member, Steering Committee for the Development of a Caribbean Food Composition Programme Organized by the Caribbean Food and Nutrition Institute (CFNI) and PAHO.

Dr. Paula Tennant

- Board Member, Papaya Growers Association
- Member, National Biosafety Committee (NCST)

Dr. Andrew Wheatley

- Member, National Watershed Management Committee

CATEGORIES OF STUDENTS

The enrollment status of Mrs. Melaine Chin-Randle was upgraded in October 2002 from MPhil to PhD in Biotechnology. Mrs. Chin-Randle is examining the “Biological and molecular characterization of the Papaya ring spot virus (Type-P) isolates from selected areas in Jamaica”

Miss Simone Pinnock commenced research on her MPhil project in September 2002. Ms. Pinnock is being supervised by Dr. Paula Tennant and is examining the genotypic and phenotypic comparison between the transgenic and non transgenic papaya trees.

Mr. Seymour Webster was enrolled for the MPhil degree in Biotechnology in September 2002 and will be examining the regeneration of some woody medicinal plants via somatic embryogenesis and RAPD analysis of regenerants for genetic stability. He is being supervised by Dr. Sylvia Mitchell.

In September 2002, two graduate students – Latanya Fisher and Franklin McKenzie are working on citrus diseases and cotton transformation respectively. Both students are registered in the Department of Life Sciences and are being supervised by Dr. Paula Tennant.

DISTINGUISHED VISITORS

Messrs Trevor Campbell and **Reginald Nugent**, Directors of Global Bridges, California and part of the delegates at a UWI conference entitled '*Structuring for the Commercialization of Science and Technology*' visited the Biotechnology Centre February 2003. The conference was organized by the Mona School of Business and Messrs Campbell and Nugents visit to the Centre was hosted by Prof. M. H. Ahmad and Dr. Sylvia Mitchell.

INSTITUTES IN THE FACULTY OF PURE AND APPLIED SCIENCES, MONA

The increasing need for the Faculty of Pure and Applied Sciences to identify sources of income other than that provided by, eg. the University Grants Committees, and the increased commitment by the University to serve the development needs of the region, have resulted in the establishment of two Institutes with complimentary objectives, the Mona Institute of Applied Sciences and the Natural Products Institute. Since February 2003, both Institutes have been housed in a newly refurbished building that previously accommodated the Agricultural Unit at Mona.

Detailed reports for both Institutes are given:

THE MONA INSTITUTE OF APPLIED SCIENCES

Howard O. N. Reid, BSc (Hons.), PhD *UWI* – Director

WORK OF THE INSTITUTE

The Mona Institute of Applied Sciences, launched in 2001, is a self-financed legal entity, inter-dependent with the Faculty of Pure and Applied Sciences, but operating within its own financial systems. The emphasis of the institute has been on interacting with the “marketplace”, particularly in promoting research and the education of persons in the pure and applied sciences. Critical to this endeavour has been facilitating the development of new technologies, processes or products that are deemed to have the potential for providing increased employment and increased foreign exchange earnings or savings within business, government and the wider society of Jamaica and the Caribbean.

The year 2002/2003 turned out to be one of consolidation, continued development of new programmes and the establishing of the Institute's name in the marketplace. This was done again under our three areas of operation (i) training, (ii) research and development, and (iii) analytical services. The activities of the Institute continued to grow, with operational revenue growing from J\$2,641,174 in 2001/2002 to J\$3,028,952 in 2002/2003. **Mr. William Saunders** the Institute's first Executive Director resigned in September, Mr. Saunders was thanked by the Board of Directors, MIAS for the direction and focus with limited resources he had brought to the Institute during his tenure. **Dr. Howard Reid**, Manager, Mona Institute of Applied Sciences was appointed Executive Director in October.

Staff of the Institute increased from two to four, with Ms. Celia Alleyne (Training Programmes) and Mr. Dayton Outar (Information Technology and Projects), joining Dr. Reid and Mr. David Simons (Accounting) as fulltime employees of the Institute. For the year Departments of the Faculty of Pure and Applied Sciences earned J\$317,400 for rental of classrooms and computers (a total of J\$544,350 since August 2001), while members of the FPAS and graduate students of the UWI have been paid J\$775,766 for teaching on our professional training programmes (a total of J\$1,667,141) since August 2001.

The Certificates in Information Technology Programmes are our major source of income. Figure 1.

Figure 1.

Sources of Income for the MIAS 2002/2003.

The Institute acquired permanent office space at the Old Agriculture Unit through the intervention of the Dean, Faculty of Pure and Applied Sciences, Prof. Ronald Young and Principal, Mona Campus, University of the West Indies, Prof. Kenneth Hall. Renovation of the section of existing building allocated to the MIAS and construction of additional office space was completed in January 2003 and we moved in during February 2003.

Training

Following up on the decision in 2001 to focus initially on training, given the University's experience in this area and that it showed the greatest potential for generating income, we have been developing a series of certificate and post-graduate diploma programmes targeted for launch during our first three years of operations. The courses are geared to meet the needs of persons who do not at this time want to register for the University's Degree programmes but require formal quality training which would give them certification attesting to marketable skills on the job market.

It was felt that training should be offered initially in those areas where the participant needed little academic pre-qualifications for participation. Certificate courses have been or are being developed in Information Technology, Computer Hardware Engineering, Instrument Repair Technology, Pesticide Management and Food Sciences.

Certificate Courses

Information Technology

The MIAS information technology programme is aimed at fulfilling the needs of persons who do not intend to register for the University's degree programmes in Computer Science, but require formal quality training in the use of computers at various levels: introductory (Part 1), intermediate (Part 2) and advanced (Part 3), which will give them certification attesting to marketable skills on the job market.

The MIAS offered four Certificates in Information Technology this year, up from two 2001/2002. Introduction to Computers, our foundation certificate programme, introduces participants with no or limited knowledge of computers to computer fundamentals, the applications in the Microsoft Office Suite and the use of the Internet. There are two Part II programmes, Introduction to Programming and Introduction to Web Site Design; and one Part III post Computer Science B.Sc. programme Advanced Java which introduces participants to applications of Java in advanced programming technologies such as object-oriented programming including the Internet, Graphical User Interface (GUIs), Databases and Component-based Software Engineering. 189 students participated in the certificate programmes.

Figure 1. Number of students registered for each cycle of the Certificates in Information Technology 2002/2003.

MSc Computer Science

The Mona Institute of Applied Sciences and the Department of Mathematics and Computer Science will be running a **MSc Computer Science** starting January 2004. The programme will be self-financing and lecturers from the Mathematics and Computer Science will be complimented by adjunct faculty from industry.

Post Graduate Diplomas

An exciting new **Post Graduate Diploma in Information Technology** targeted at non Computer Science first degree holders who wish to enter the Information Technology industry has been developed in conjunction with the Department of Mathematics and Computer Science. This course will run over a twelve month period inclusive of a two month project. The targeted start-up date for this programme is September 2004. The course will only be offered initially part-time in the evenings.

Two other post graduate diplomas are being developed to meet the needs of graduates who require additional training to supplement their skills or who have come from non-technical background and are seeking career changes. They are: (i) Post Graduate Diploma in Pesticide Management with the Departments of Life Science and Chemistry and (ii) Post Graduate Diploma in Embedded Systems and Industrial Application of Computers with the Department of Physics.

Programmes To Be Launched During the Next Year

Other certificate/professional programmes that have been developed or which are in advanced stages of development, which are scheduled to come on stream in the next eighteen months, are:

- (i) Certificates in Web Development and Administration (a Part 3 IT certificate) developed with the Department of Mathematics and Computer Science
- (ii) Two certificates in Computer Hardware Technology developed with the Department of Physics
 - (i) Certificate in Computer Technology, Part 1
 - (ii) Certificate in Computer Technology, Part 2
- (iii) MSc Food Science

Research and Development

The major project taken from research conducted within the faculty, for promotion and started in 2001 was the *Tilapia Project*.

Tilapia Project

The Tilapia Project builds on work done by a research team, lead by Dr. Dunbar Steele, in the Department of Life Sciences, which involves the acclimation of freshwater tilapia fingerlings to seawater and a protocol for farming them in the sea in cages. The project started in October 2002 and will run for a year, with the view of finalising some experimental work and securing the intellectual property rights before commercialising the research.

Other Projects

In addition, development of plans to establish a centre for writing computer software and incubating software engineering firms at the UWI have been ongoing, with several information technology firms, over the last year. The first step in this process is already well advanced by way of a working relationship with Advanced Integrated Systems (AIS) to write computer software and provide them with technical support. A number of

smaller projects; web page development and web hosting services involving the Department of Mathematics and Computer Science; designing and making of specialised electronic equipment with the Physics Department for an industrial client; and compilation of CD's of two of the FPAS's Emeritus Professors in the Department of Life Sciences are in progress.

Analytical Services

Negotiations are currently in progress or have been completed with industry/private sector partners to work with them on several projects.

Bureau of Standards Jamaica

The Mona Institute of Applied Sciences and the Bureau of Standards, Jamaica (BSJ) signed a Memorandum of Understanding (MOU) on Friday November 22, 2002 at 11:00 a.m. in the New Chemistry Building in the Faculty of Pure and Applied Sciences. The relationship with the BSJ will involve cooperation on standards and metrology, training for industry, and participating in the analytical work currently being done by BSJ.

Regional Analytical Laboratory

Development of plans for the establishment of a Regional Analytical Laboratory to carry out complex analytical projects such as testing for drugs (equine and human), pesticide residue, heavy metal, waste effluents and risk assessment analysis is currently under discussions with a number of industry partners. If successful this may involve equipping a dedicated laboratory.

The Future

The Mona Institute of Applied Sciences continued to grow during the 2002/2003 academic year with activities again mainly centred on training. For the next year, training will probably continue to dominate the income of the MIAS, with new products ready to come on stream to a large extent coming from this section. Research and development, and analytical services should make a more substantial contribution during the next year.

DISTINGUISHED VISITORS

Mr. Ray Chang, CI Fund Management Inc., with headquarters in Toronto, Canada, Canada and member of the Board of Governors, Ryerson Polytechnic University.

The Hon. Phillip Paulwell, Minister of Commerce, Science and Technology.

Dr. Nigel Clark, Director of National Commercial Bank, Jamaica Ltd., Jamaica Broilers Group of Companies and Seprod Jamaica Limited

Prof Ronald M. Lee, Professor of Electronic Commerce, College of Business, Florida International University.

THE NATURAL PRODUCTS INSTITUTE

Trevor H. Yee, BSc (Hons.), PhD *UWI*, MBA (Hons.) *Nova*
– Executive Director

WORK OF THE INSTITUTE

The Natural Products, in its fourth year of operation, has been focusing on its own innovative research and development activities for (a) the extraction, separation and identification of bioactive and economically important compounds from selected plants and animals, (b) the assaying of compounds and formulas (NPI's and its collaborators' and clients') for their pharmaceutical, biochemical, physiological, toxicological, aromatic and pesticidal properties, (c) the development of laboratory-scale technology for production of these products, and the development of the technology for commercial manufacturing, (d) the identification of markets and development of marketing strategies for the products and technologies developed, and (e) the development of methods for the sustainable use of local flora and fauna.

Furthermore, NPI has been developing income-generating client services. These are (a) determination of chemical contents and physiological and toxicological properties in herbal products, (b) the development of possible sponsored research programs for other departments, institutes, and centres in the Faculty, and (c) teaching degree courses and organizing workshops.

Most of the NPI's activities are in collaboration with other Departments, Institutes, and Centres in the Faculties of Pure and Applied Sciences, Medical Sciences, Social Sciences, in Mona and the Faculty of Engineering, UWI, St. Augustine.

During the year, the Institute hosted an international conference for ethnomedical scientists and practitioners and also a workshop on Composting and the Utilization of Agricultural and Agro-Industrial Wastes.

RESEARCH IN PROGRESS

- Investigation into the value addition of an exported raw material by means of extraction and chemical characterization of the local plant. **Dr. Trevor Yee**, Prof. Helen Jacobs
- Investigation of a number of plants as potentially new sources of essential oils. **Dr. Trevor Yee**, Dr. Roy Porter
- Investigation into the development of a number of plants and other sources of dyes and colouring materials. **Dr. Trevor Yee**, **Dr. Rupika Delgoda**, Prof. Helen Jacobs
- Characterisation of a local plant as a nutraceutical. The chemical and physiological profiles of the plant for the presence of bioactive compounds are being investigated. **Prof. Ajai Mansingh**; **Prof. Ronald Young**; **Dr. Trevor Yee**; **Ms. Arlene Wilson**
- Testing of natural products as possible targets for the treatment of tuberculosis. **Dr. Rupika Delgoda**; Prof. Edith Sim, Dr. Andrew Munroe, Prof. Helen Jacobs, Prof. Paul Reese
- The study of drug-herb interactions. Dr. Rupika Delgoda; Prof. Gordon Roberts; Prof. Roland Wolfe
- Drug metabolism. **Dr. Rupika Delgoda**, Prof. Barrie Hanchard, Dr. Lisa Lindo, Prof. Gordon Roberts
- Development of botanical pesticide formulations for the management of vegetable and coffee pests and ticks of cattle and other animals. **Prof. Ajai Mansingh**; Dr. Dwight E. Robinson; **Ms. Arlene Wilson**

CLIENT SERVICES

The following client services were initiated/undertaken:

Identification and vitamin characterization of several local herbs.

Testing of a local fruit active against diarrhoea.

Development of nutraceuticals from local ethnomedical formulations.

The use of Chinese herbal medicines in Jamaica.

The development of byproducts from banana fibre.

The assessment of a natural product formulation for anti-cancer activities.

Investigation into the breeding of other varieties for the local horticultural industry.

PAPERS PRESENTED

- Delgoda, R. (2002). 'New and emerging pharmacological issues in drug toxicity', 17th Annual Medical Symposium, October 2002, Kingston
- Delgoda, R. (2002), 'Drug metabolism: a multidisciplinary approach and the relevance to Jamaica', Natural Products Institute, bimonthly seminar series, UWI.
- Delgoda, R. and Yee, T. (2002), 'Natural Products Institute, UWI', Scientific forum on Caribbean ethnomedicine and medicinal plants, Montego Bay, December 2002.

PUBLICATIONS

- * **Delgoda, R** Prof. Agamuthu Periathamby. (2003) *Utilization and Management of Agricultural and Agro-Industrial Waste*. 145pp. ISBN- 983-2085-29-2.

Refereed

- * **Delgoda, R.**, Lian, L.Y., Sandy, J., Sim, E, NMR investigation of the catalytic mechanism of arylamine N-acetyltransferases from *Salmonella typhimurium*; *Biochemica Biophysica Acta*, 2002, 25473, 1-7.

International Symposium

The Natural Products Institute in collaboration with Blue Cross of Jamaica hosted an international symposium entitled, "Towards global collaboration in ethnomedicine and medicinal plants research and

development”. The symposium was held in Montego Bay, Jamaica, from December 6-7, 2002. Ethnomedical practitioners and scientists from local, Caribbean and International affiliations participated.

Workshop

A workshop entitled, “Utilization and Management of Agricultural and Agro-Industrial Wastes” was organized by the Natural Products Institute, with expert instructions provided by Professor Agamuthu from the University of Malaya. Through the workshop the Institute hosted over 50 local and Caribbean participants from academia, industry and non-governmental organizations. Sponsorship was secured from the Caribbean Regional HRD Programme for Economic Competitiveness (CPEC) and the Ridge to Reef Watershed Project.

GRANTS RECEIVED

Dr. R. Delgoda received a grant of Swedish Crowns 92,000 (US\$12,000) to carry out the metabolism of natural products by drug metabolising enzymes in human liver tissue, by the International Foundation for Science, Sweden.

ASSISTANCE FROM THE GOVERNMENT OF INDIA

The Government of India, under its International Technical and Economic Cooperation programme, has approved an aid package to the NPI for the establishing of a Toxicology Laboratory. His Excellency Mr. I. V. Chopra, the Indian High Commissioner to Jamaica, who visited the NPI on July 30, 2003, stated that a large quantity of the requested equipment should be available within the year. This would be followed by the posting of an Indian expert in toxicological studies at NPI/UWI for several years.

The ITEC programme will also facilitate visits by NPI’s staff and its collaborators, to visit a number of world-renowned Indian Institutions.

PUBLIC/ACADEMIC SERVICE

Dr. Trevor Yee

- Treasurer, International Society for the Development of Natural Products

- Member, Executive Committee- the Natural History Society of Jamaica
- Member, Advisory Panel for Complimentary Medicine, Ministry of Health
- Member, Steering Committee – Towards a National Bioprospecting Programme, National Commission on Science and Technology, Office of the Prime Minister
- Chairman, Cosmetics Technical Committee, Jamaica Bureau of Standards

Prof. Ajai Mansingh

- Secretary, International Society for the Development of Natural Products
- Secretary (Founding), Jamaica Council for Interfaith Fellowship
- Editorial Board, Insect Science & Its Application: a monthly international Journal (Publ. Int. Cent. For Insect Ecol. & Physiol. Nairobi.)

Ms. Arlene Wilson

- Member Steering Committee, Jamaica Young Scientist Forum, facilitated by the National Commission on Science and Technology

SUPERVISION OF STUDENTS

Postgraduate

Two MPhil. students are working jointly with the Natural Products Institute and the Department of Chemistry and are being supervised by Dr. Trevor Yee, Professor Helen Jacobs, and Dr. Roy Porter.

Undergraduate

Two students in the Biochemistry Department were supervised by Dr. Delgoda on their final year project and 2 theses were presented.

Seven final year pharmacy students from University of Technology were supervised by Dr. Delgoda on 2 research projects.

Technical assistance was provided by Miss Arlene Wilson to three students of Chemistry (UWI) and two CAPE students.

Dr. Yee lectured in the BSc final year Food Chemistry course at UWI.

Drs. Yee, and. Delgoda and Prof. Mansingh coordinated and taught the Herbal and Complimentary Medicine course to B. Pharmacy final year students at the University of Technology.

DISTINGUISHED VISITORS

Professor Jiang Zoujun, Vice Governor of the Province and Professor of Medicine led by a 7-member Chinese delegation from the Anhui Provincial Government of China and the Anhui College of Traditional Chinese Medicine

Dr. Alberto Barcelo, Regional Advisor World Health Organization

Prof. Jeff Atherton, Professor of Tropical Horticulture, Cave Hill, U.W.I.

Prof. Agamuthu Periathamby, Professor of Waste Management and Resource Recovery, Univ. of Malaya

Dr. Virender Sheorain, General Manager, National Rums of Jamaica

Prof. Hiroshi Morishima, Nagoya City University, Japan

Mr. Koichi Hagiwara, Industrial Development Officer, UNIDO, Toyko

His Excellency Mr. I. V. Chopra, High Commissioner of India.

UWI CENTRE FOR ENVIRONMENT & DEVELOPMENT (UWICED)

Professor Al Binger, PhD *University of Georgia* – Director

WORK OF THE CENTRE

UWICED is the University Centre tasked with providing technical assistance to the Small Island Developing States (SIDS) of the Caribbean to address the formidable challenges of environmental protection and sustainable development. It was established in 1993 arising out of the Rio de Janeiro World Summit on Environment and Development (UNCED) held in 1992. In 1997, at the Summit of the Americas, the Regional Heads of Government and the President of the United States designated UWICED as a regional focal point for sustainable development information in the Caribbean.

UWICED focuses on assisting the region to develop/strengthen capacity for sustainable development. This includes providing technical assistance (information, resource mobilization, policy guidance, training, and advice), in six key areas identified from the 1994 Barbados Plan of Action (BPoA) for the sustainable development of Small Islands Developing States (SIDS). These are:

- Climate Variability and Change
- Sustainable Energy
- Land, Water and Biodiversity Resources Conservation
- Integrated Waste Management
- Sustainable Tourism
- Integrated Coastal Zone Management

During the year under review, the major global activity in sustainable development was the convening of the “World Summit on Sustainable Development” which was held in Johannesburg, South Africa in August/September 2002. This Summit was attended by over a hundred world leaders, corporate leaders and NGOs and was characterized by the Johannesburg Plan of Implementation, representing the ongoing commitment to sustainable development by all member countries of the United Nations.

UWICED in collaboration with the Caribbean Community Secretariat (CCS) was tasked to provide technical assistance and support to the Government Negotiators during the preparatory meeting leading up the Summit, the final one of which was held in Bali, Indonesia in May 2002. Additionally, UWICED/CCS was asked to provide technical assistance to the Chair of the Alliance of Small Islands States (AOSIS).

In the focal areas noted above the major activities were concentrated in the areas of Waste Management, Climate Variability and Change, Sustainable Energy, and Land, Water and Biodiversity Conservation. Additionally, a number of activities focused on strengthening UWICED institutional capacity in training and information support were also undertaken.

Climate Change

Regional Climate Change Centre: – The Caribbean Community Climate Change Centre (CCCCC) has now been formally established in Belmopan, Belize. The Board of Director had its first meeting and the Government of Belize has seconded a senior climate change professional to act as Interim Executive Director. This represents another successful outcome of the first regional climate change project, Caribbean Planning for Adaptation to Climate Global Change (CPACC), funded by the World Bank/GEF and implemented by UWICED in partnership with the OAS. The CARICOM Heads of Government in February 2002 approved the establishment of the CCCCC which has as its mission to assist the region in addressing the challenges to sustainable development that will result from climate change and sea level rise. UWICED, which represents the University on the Board of Directors, continues to assist the CARICOM Secretariat in the institutional development of the CCCCC.

Preparation of Regional Climate Change Report: – In partnership with the United Nations Environment Programme (UNEP)

and the CCS, UWICED completed the final draft of the report entitled “Climate Change in the Caribbean”. The report is currently under review and is to be published for the United Nations International Meeting on Development of Small Islands States to be held in August 2004. The report examines the likely consequences of climate change and sea level rise for the region and concludes that the region is extremely vulnerable. Also included in this report are policy recommendations as well as proposed scientific research and technology development to assist the region in building resilience. The objective of this document is to bring to the forefront the high vulnerability of countries in the region to the phenomena of climate change and sea level rise resulting from the emission of greenhouse gases and addresses specifically:

- The existing social, economic and environmental conditions of the Caribbean;
- The likely impact on the countries in the region arising from climate change and sea level rise;
- Options for minimizing and reducing vulnerability and strengthening resilience.

Mainstreaming Adaptation to Climate Change (MACC): – Mainstreaming Adaptation to Climate Change is the new regional climate change project undertaken by the CCS, the University of the West Indies, and Member Governments to help the region to continue to develop the capacity to address the pending impacts from climate change and sea level rise. The new project started in July 2003, as a follow up to the previous project (CPACC) which provided the region with capacity building resources over the period 1997 to 2001. The MACC will provide some US\$10 million in funding over the next four years from the World Bank/GEF to develop capacity and gather information to address climate change and sea level rise issues. The MACC project will be implemented by the CCS with UWI as member of the Steering Committee and will be managed out of the CCCCC in Belize.

UWICED, in addition to giving support to the MACC as a member of the Steering Committee, is focused on vulnerability reduction and resilience building including the identification of adaptation and mitigation technologies (with the support of the UNDP).

Land, Water and Biodiversity Resources Conservation

Inter-regional and Regional Workshops: – UWICED coordinated two regional meeting for the year in this area. The first was held from March 13-16, 2002 in Belize, to explore the development of an inter-regional mechanism to improve collaboration between the Caribbean and Central America countries, on matters related to environmental and sustainable development, including biodiversity, the implementation of international conventions and treaties, coral reef protection and cooperation among bodies such as CITES, the IWC and Ramsar.

The second meeting was held in Coya Coco, Cuba, from November 25-29, 2002. The goal of the workshop was to strengthen regional capacity by providing a forum for representatives of organizations and institutions who are responsible for the protection/conservation/ management of biological resources to exchange experiences (lessons learned, good practices, impacts and benefits) and use those experiences as the basis to develop a long-term needs driven strategy for strengthening regional capacity through collaboration. The MacArthur Foundation, the UNDP Country Office, and the Cuban Ministry provided support for this workshop entitled *“Towards Sustainable Development in the Caribbean Islands: Capacity Building for Managing and Protecting Biological Resources”*.

Sustainable Energy

Energy Expert Meeting

As part of the preparatory process for the United Nations International Meeting for the Review of the Implementation of the Barbados Plan of Action (BPoA) for the Small Island Developing States (SIDS), UWICED in partnership with UNDESA and the Government of Nuie and with support from the UNDP conducted a week long meeting of energy experts in July 7-11, 2003. The goal of the meeting was to develop an energy agenda for SIDS that will help them to address the growing vulnerability associated with increasing dependence on petroleum for the provision of energy services. This agenda will be presented for discussion at the SIDS Meeting in the Bahamas in January 2004 and if adopted, it will become part of the decisions for the SIDS International Meeting in Mauritius to be held in August 2004.

Caribbean Renewable Energy Development Project:: – Negotiations with the UNDP/GEF continues regarding the implementation of this US\$15 million project to foster the development of renewable energy resources in the region. The Project suffered a major set back as a result of the last minute decision by the Caribbean Development Bank not to establish a dedicated funding window to support financing for renewable energy projects. UWICED, who chaired the Steering Committee that developed the project, continues to provide technical support to the CARICOM Secretariat in finalizing the reformulated project which will be resubmitted to the UNDP/GEF in December 2003.

Technical Assistance to the Dominican Government: – The report “*The Potential of Renewable Technologies: Diversifying Dominica’s Energy Supply – UWICED, July 2002*” has provided a foundation for the development of partnerships with the OAS, and private sector entities interested in the development of renewable energy in Dominica. UWICED continues to provide technical advice to the Government.

Cogeneration Project for the UWI and UHWI: – This project which was developed with the goal of helping to minimize energy cost on the Mona Campus and at the hospital remains in abeyance. Discussions continue with the Jamaican Government about implementing the project at a different scale for the hospital.

Development of Energy Efficiency in the Caribbean: – Although energy efficiency initiatives are potentially of great benefit to the region, and could contribute to the reduction in petroleum imports and greenhouse gas emissions, projects in this area have encountered barriers to implementation, related to policy, regulation, financing, market development, public awareness and human capacity constraints. Under the Caribbean Energy Efficiency Project (CEEP) being developed with support from the UNDP by a team of regional organizations consisting of CARILEC (Caribbean Electricity Utilities Corporation), OLADE (Latin American Energy Organisation), CEIS (Caribbean Energy Information System) and UWICED, resources will be sought from the Global Environmental Facility (GEF) to undertake activities to identify and remove barriers to energy efficiency in the region.

Development of Web Based Graduate Programme in Energy Management: – Work continues on the development of the graduate curricula in collaboration with external organizations.

Integrated Waste Management

Regional Waste Management Project: – Through a grant from the Foster-Wheeler Corporation, UWICED has undertaken a multiple-pronged project designed to assess the current status of wastes, method of disposal and their impacts in the Caribbean, develop a database on waste management systems and technologies, developing commercial-scale demonstration projects that convert waste to valuable products, and initiate graduate training courses in sustainable waste management for regional practitioners. The first commercial demonstration is being done in Jamaica in collaboration with the CANCO Jamaica Ltd and the Jamaica Government through the Scientific Research Council (SRC). The commercially demonstration-scale agro-industrial waste composting project is intended to verify the appropriate scale for the production of organic fertilizer from plant derived waste. The objectives of the project are the development of technology to convert ackee-processing waste produced by CANCO Jamaica Ltd. into high quality compost; and the documentation of the methodologies employed for commercial scale operation. CANCO Jamaica Limited in St. Thomas is one of the major producers and exporters of canned ackees in Jamaica. During the peak season for ackee production up to 40 cubic yards of ackee waste (ackee pods and seeds) are produced per day. Estimates are that this factory produces approximately 3,000 cubic yards of ackee waste annually. Presently this material is dumped into a nearby landfill. This project proposes to develop a technology for converting this waste into high quality compost, which can be sold commercially.

STRENGTHENING UWICED'S INSTITUTIONAL CAPACITY

Upgrading of The University's Technical Capacity to Provide Training in Environmental Management: – Through a NORAD (Norway Aid Agency) grant and associated initiatives, during the last few years UWICED developed and equipped a classroom in the Centre building, to support web-based, multimedia and teleconferencing instruction in environmental management.

Small Islands Developing States Information Network (SIDSNet): – In partnership with the United Nations Department for Economic and Social Affairs (UNDESA) UWICED is implementing a three year project that started in July 2003 to improve the availability and

access to information on sustainable development by the island states of the region. The establishment of a regional SIDSNet node will strengthen the collection, organization and dissemination of information on good practices to address biodiversity conservation, climate change responses and international water management issues among AOSIS Member States, and to foster inter-SIDS sharing of experiences on the use of information technology as a sustainable development tool in the context of ecosystem management. As part of the Project Information Coordinators terms of reference SIDSNet Focal Points will be established in seven non-campus countries to assist with the development and provision of information.

Development of Graduate/Professional Training in Environmental Management – Web-based Graduate Curriculum Development for Integrated Waste – Over the past several years, through a Rockefeller Foundation planning grant, and in collaboration with Faculties and the Graduate School, UWICED has worked to help develop a programme for a University-wide Masters in Environmental Management; parts of which is now being implemented.. Currently, the Centre is coordinating the development of the Waste Management specialization for this programme. The curricula consisting of sixteen units at the graduate level have been completed and are currently undergoing peer review. Also completed are some six case studies in various aspects of waste management that will serve as resources material.

Development of Web Based Project Cycle Management Course:
– As a pilot-scale initiative under the above framework, UWICED developed a web based course. The course was successfully tested at two web-based technical workshops, in Project Cycle Management, for environmental practitioners in Jamaica, involving a total of fourteen participants active in sustainable development-related institutions. Participants in the workshops explored the links between projects and sustainable development, and how to identify, develop, appraise, finance, implement and evaluate such projects. These workshops served to test and further develop the Centre's web-based environmental management training capacity.

RESEARCH AND TECHNICAL ASSISTANCE ACTIVITIES IN PROGRESS

Small Island Developing States Vulnerability Study: – UWICED is coordinating a global study of the environmental, economic and social vulnerabilities of SIDS in light of emerging global and regional trends, under a service agreement with UNDP. The first draft of the report was presented to a workshop in May 2002. The final report was completed and submitted to the UNDP in June 2003. As part of the process to sensitive governments about the results of the study a regional briefing was held in Grenada, during the period May14 –16, 2003, sponsored by the UNDP, the CARICOM Secretariat, and the Government of Grenada. During the coming year UWICED will continue work in this areas in partnership with the UNDP and the CARICOM Secretariat.

Conservation and sustainable use of biodiversity in the Caribbean: – UWICED, under a MacArthur Foundation Grant, continues to investigate and assess the stresses on the region's ecosystems linked to political, social and economic trends. This project aims to define the challenges, build capacity and facilitate the formulation and implementation of regional strategies for the comprehensive development and protection of biological resources, and effective compliance with international environmental treaties. As part of this efforts two reports are under preparation, specifically:

Threats to Biodiversity in the Caribbean

The objective of this research paper is to:

- To provide information on our biodiversity and the main threats to their conservation and sustainable use.
- To increase awareness and aid policy development
- To facilitate dialogue on planning and developing effective, long-term regional biodiversity conservation strategies and sustainable development.
- To encourage research.
- To encourage dialogue between individuals and institutions in the region that is concerned with biodiversity.

Uses of Biodiversity in the Caribbean

The objective of this paper is to:

- Provide information on our biodiversity – its present and potential uses
- Provide information on the sustainable use of Caribbean biodiversity.
- Increase awareness.
- Facilitate dialogue on planning and developing effective, long-term regional biodiversity conservation strategies and sustainable development
- Encourage research and dialogue between individuals and institutions in the region that are concerned with biodiversity.
- To aid in documentation efforts.

Energy Consumption patterns, Climate Change and the Economy: – Research is being carried out to investigate the links between Balance of Payment Constrained Growth and the Consumption of Energy, and the relationships between Economic Growth and Climate Change.

Sustainable Energy: – Research into the impact of privatisation on the energy sector in five Caribbean Countries is being conducted.

Strengthening of Negotiations Skills for SIDS in the Context of International Treaties: – Research has been carried out into the methods employed by SIDS in international negotiations and the levels of success achieved. This study will also identify more effective negotiating strategies were applicable.

Caribbean Environmental Outlook for the Wider Caribbean Region

In partnership with UNEP, UWICED is preparing a regional report on the state of the environment with particular emphasis on marine resources. The purpose of this report is to provide information for policy-makers on the status and vulnerabilities of the marine and coastal areas and the present policy activities and options for the Wider Caribbean Region (WCR). This will be the second report in partnership with UNEP on the Caribbean region. The first publication had significant gaps in data

and as such UWICED in collaboration with UNEP is compiling data for the new report.

PAPERS PRESENTED

Prof Al Binger:

- Electric Utility in the Caribbean – Caribbean Association of Regional Energy Companies (CARILEC) Meeting, St. Lucia, November 2002
- Ocean Thermal Energy Conversion (OTEC) – As the Sustainable Development Technology for Small Islands Developing States (SIDS), Pacific Island Water Forum, Palau, October 2002
- Global Public Goods – Presented to the UN ECOSOC, United Nations, New York, USA, April 2003

Maurice Mason:

- “The Jamaican Economy: A Case for Cogeneration” presented at the workshop “Environmental Economics for Civil Society” hosted by SEDU (Cave Hill Campus) June 26, 2003.

PUBLICATIONS

- * *Vulnerability of Small Island Developing States* – UNDP Policy Journal Vol 1 August 2002.

PUBLIC SERVICE

Professor Al Binger

- Member United Nations Economic and Social Commission (ECOSOC), Committee For Development Policy (CDP).
- Chairman, Project Committee, Board of Directors, Environmental Foundation of Jamaica

Maurice Mason

- UWICED representative to the National Steering Committee on Biodiversity.
- UWICED representative to the National Steering Committee on Solid Waste Management.

UWI DISTANCE EDUCATION CENTRE (UWIDEC)

**Christine Marrett, BA, MA *UWI*, Dip Ed *U of Surrey*, Dip Mgt Stds,
Dip Mass Comm *UWI* – Campus Coordinator &
Senior Programme Officer**

WORK OF THE CENTRE

At the end of July 2003, the UWI Distance Education Centre bade farewell to Director, **Professor Badri Koul**, who was instrumental in drafting the plans for the reengineering of distance education at UWI. One aspect of this plan implemented during the period 2002/2003 was the formation of the Academic Programme Committee, which held its first meeting in March 2003.

Programmes

The total number of students pursuing courses through UWIDEC across the Caribbean rose to 2,511, an increase of 6.28% over the previous year.

Two new programmes were launched – the **Certificate in Gender Studies**, and the **B.Ed. Secondary programmes**, the latter sponsored by the Ministry of Education and Culture in Jamaica to deliver courses in 10 disciplines for students across Jamaica. Other programmes delivered were: MSc (Family Medicine), MSc (Counselling), Advanced Diploma in Construction Management, BSc (Management Studies), BSc (Agri-business Management), B.Ed. (Educational Administration), Certificate in Business Administration, and Certificate in Public Administration. The M.A. (External Programme in Agriculture) also made use of the teleconference facilities as did the Masters in Law programme, involving the three campuses.

The BA with Major in French was restarted in 2002-2003 with UWIDEC facilitating the survival of this initiative, in cooperation with the Department of Language, Linguistics and Literature at Cave Hill. This initiative began in 1998, for students who are teachers of French in Dominica, St. Lucia, Grenada, St. Vincent and St. Kitts.

Although the print materials remain the mainstay of the delivery mode, UWIDEC continued to equip itself for the introduction of other media, such as WebCt and Just-In-Time-Learning (JIT-L), which are expected to be used in course delivery in 2003-2004. Led by colleagues in St. Augustine, various components of six courses (SY14G – Introduction to Sociology, FD10A – English for Academic Purposes, MS23B – Caribbean Business Environment, SY22E – Survey Design and Analysis, EC22A – Topics in Economic Development and SY32E – Industrial Sociology) were put on-line. An e-learning team comprised of staff from the curriculum development units of the three campuses, the Web Administrator, Graphic Designer, Research Officer and Academic Programme Officer has been formed to review quality assurance issues related to the establishment of guidelines for on-line course development.

The distribution of course materials from each campus went reasonably well, with fewer delays and omissions than in the previous year. Problems, however, continued and included the delay in obtaining registration figures which negatively affected timely distribution and failure of duplicating equipment. Customs regulations in Jamaica also slowed down the distribution process. Where materials were sent electronically, some site staff experienced difficulty in downloading the materials for students.

EC14C was again without a UWIDEC-produced course package, so textbooks had to be purchased for use by students.

Examinations are now being held at each of the Centres in Jamaica and the cost is now being charged to UWIDEC.

Summer programme

The Faculty of Social Sciences and UWIDEC attempted a more organized approach to the offer of Summer Programmes, guided by similar attempts on campus to streamline the management of summer programmes.

Non-UWI and non-certificate programmes

The Diploma in International Shipping Logistics offered by the Caribbean Maritime Institute was run on a limited basis with in-country delivery in Dominica and Guyana.

Non-certificate or outreach programmes included:

- The sixth renewal of the Regional Schools Food and Nutrition Quiz hosted by the Caribbean Food and Nutrition Institute (CFNI), which took place in November 2002. Eleven countries participated with Bahamas emerging as the winning team and St. Vincent student, Jenese Ashton, as the individual champion.
- Regular teleconferences of the Caribbean Council for Family Physicians and the Department of Child Health. The Vice Chancellor and the University Registrar also continued regular use of the network for administrative meetings.
- The discussion series for sixth formers, held in March 2003, which was adapted to accommodate the introduction of the Caribbean Advanced Proficiency Examinations (CAPE). The Caribbean Examinations Council assisted with the suggestion of topics and presenters.

Library services

Library services continued to be provided through the distance education librarian, Ms. Evadne McLean, Mona Library. Throughout the year, the library actively served learners in the Northern Caribbean as well as the 10 intra-Jamaica sites enrolled in the Social Sciences and Education programmes, including the B.Ed. Secondary programme, which came on stream in January 2003.

In an attempt to make the services offered to the distance learning community mirror those provided for on-campus students, there was a further strengthening of some on-site collections for the Social Sciences and Education programmes, as well as document delivery and book loans to staff and students. Requests for past examination papers have been greatly reduced as students and tutors are now able to access these directly from the on-line catalogue.

Challenges

Challenges persisted in the limitation of space especially at some of the centres throughout Jamaica, difficulty at some sites in identifying qualified persons to tutor some of the second and third level courses for the degree in Management Studies, and the late release of examination results in some courses. Inconsistent participation of tutors in orientation teleconferences with course coordinators was also a problem. It is proposed to make attendance by tutors at these teleconferences obligatory.

The Ocho Rios Centre got approval to convert two containers into four classrooms.

Mona Summer Workshop for Distance Education Students

The Office of Student Services (OSS) at Mona once again hosted the Summer Workshop for distance education students in the week of July 7, 2003. Students from various centres in Jamaica participated in activities organized by the OSS to better integrate the distance education students into campus life.

Bursary

The second recipient of the Osmond A. Tomlinson Scholarship Trust Fund bursary to assist a student in the parish of St. Ann registered through the UWI Distance Education Centre was made on August 29, 2002. The bursary, valued at \$15,000 was awarded to Percival Bernard, a returning education student at the Ocho Rios centre.

Telecommunications Network and Web development

The total number of programming hours for which the teleconference network was used was 2,090 with 1,321.5 hours (63.23%) used for teaching purposes and 768.5 hours (36.77%) for non-teaching purposes. This represents an increase of some 35% or 545.5 hours over the previous year's usage of some 1,544.5 hours.

The network also experienced increased usage for e-mail, electronic file transfer and the introduction of on-line course delivery using the WebCT Web environment. The increase in computer mediated communication in UWIDEC's delivery and administration highlighted the need to replace the existing obsolete computers and the need to

increase the bandwidth to the Internet and the bandwidth within the UWIDEC network.

In March 2003, as part of a pilot project, the network in Trinidad and Tobago was migrated to frame relay. The goal of the project was to determine the capability of the frame relay network for carrying the audio conference traffic without any reduction in quality. On July 24, 2003, a contract was signed with Cable & Wireless to migrate all the current international network connections to international frame relay at a reduced recurrent monthly cost of US\$28,576.50. The current monthly cost of international network connections is US\$40,896.00.

In July 2003, a contract was signed with Western NRG Inc. in California USA to provide maintenance for all the routers in the 16 country network at an annual cost of US\$15,605.

A concerted effort was made to improve the UWIDEC Web pages by way of improving their design and adding a few new functionalities. The envisaged improvements, however, are subject to the outcome of the initiatives taken by the three campuses to rationalize all Web publishing.

The centre at Vere Technical High School in Jamaica was provided with leased circuits, thus all the centres in Jamaica are currently on leased circuits.

The temporary, part-time lab technician in Ocho Rios, Mr. Bryan Walcott, was instrumental in the development of a student database used for disseminating information via email to students' cellular telephones. It is hoped to replicate this at the other centres in Jamaica.

Projects

B. Ed. Secondary Programme

Delivery of the B.Ed. Secondary courses began in January 2003 under the Ministry of Education and Culture-funded project to offer programmes in 10 disciplines over the course of 11 years. This project is managed out of the Faculty of Humanities and Education, with the involvement of UWIDEC in the training, development and delivery aspects of the project. UWIDEC is also represented on the Project Advisory Committee.

Starting in February 2003, both the Curriculum Development Specialist (Acting), Ms. Charmaine McKenzie, and the Web Administrator, Mr Howard Smith, have been participating in meetings of the Electronically Enhanced Teaching/Learning Task Force convened by the Project Coordinator, Mrs. Gloria Morgan. These meetings seek to discuss and assess the viability of various delivery modes in an effort to move expeditiously towards the use of on-line delivery modes for the courses.

Just-In-Time Lecture (JIT-L)

In continuation of the OAS project for the provision of equipment and training in the use of the Just-In-Time Lecture software, which enabled the combination of PowerPoint presentations, video clips, frequently-asked-questions, and other computer-based applications for teaching purposes, regional workshops were held in Trinidad, June 3-6, 2003, and Jamaica, June 24-27, 2003. The workshops covered the JIT-L and the issues associated with using the technology. The audience included a cross-section of Site Coordinators, Technicians, Course Coordinators and Tutors across the region. Dell Servers provided for the three campuses in this phase of the project were still to be implemented.

Gender and Development Studies

The delivery of courses for the Certificate in Gender and Development Studies began in January 2003.

UNESCO/Japanese Funds in Trust

In January 2003, a project agreement was signed with UNESCO for the Caribbean Universities Project for Integrated Distance Education (CUPIDE), a collaborative project for human resource development in electronically enhanced teaching, administration and material distribution. Funded through the Japanese Funds in Trust for Capacity Building and involving five universities (UWI, University of Technology [Jamaica]; Anton de Kom University of Suriname, University of Guyana, and Quisqueya University [Haiti]), the UWI is the executing entity, with the Mona Campus Coordinator and Senior Projects Officer, Christine Marrett, as project manager. Miss Carol-Marie D'Azevedo was hired as project assistant in February 2003.

Two major activities undertaken for the period under review were the selection of Mr. Ken Sylvester as the Information Technology Consultant in July 2003, and work on the establishment of a regional association for distance education. Further information can be gleaned from the project Web-site at www.cupide.org.jm.

EDSAT-Americas

The EDSAT-Americas Project to establish hemisphere-wide telecommunication infrastructure to support collaboration in health and education came to a standstill.

Training/Orientation

Training activities organized by UWIDEC included (i) orientation sessions for students (ii) tutor training workshops; (iii) course writers' workshops; and (iv) orientation/training sessions for teaching at a distance, including managing a teleconference session, good audio-teleconferencing techniques and various logistics related to distance delivery.

During July 24-27, 2003, two regional training workshops were held supported by the OAS on Just-In-Time Lectures (JIT-L). The workshops were intended to introduce the participants to the JIT-L technology and their potential role in its implementation when it forms part of the UWIDEC course package. The first in the series targeted Technicians and Administrative Staff, while the second targeted Tutors and Course Coordinators.

Mr Howard Smith, Mona's Web Administrator, attended a training course in Course Development in Atlanta, Georgia in February 2003.

Counselling the Adult Learner

In response to a request by UWIDEC site staff in Jamaica to have training in counselling, UWIDEC arranged a short course in Counselling the Adult Learner, presented by Mrs. Lilith Williams, Coordinator of the MSc Counselling Programme. The module was adapted from the course of the same name, which had been offered as part of the Certificate in Adult Education. Staff who completed the programme by passing the end of module test were awarded a certificate of completion, while those who

did not sit or pass the test but attended at least 3 of the 5 teleconferences were given a certificate of participation.

Legal Issues in Distance Education

Ms. Charmaine McKenzie, Ms. Christine Marrett and Ms. Jerome Perkins attended a seminar organized by the Legal Unit and supported by the Ford Foundation, titled “Legal Issues in Distance Education”, on February 27, 2003. The presenter was Dr. Johnathan Alger.

Computer training programme

Following the successful training of UWDEC staff in computer applications by distance the previous year, the Mona Institute of Applied Sciences (MIAS) began offering a similar training programme for the public.

Exhibitions

Mr. Donovan Grant, Graphic Artist, was instrumental in UWIDEDEC’s participation in

- Research Day, Mona Campus February 2003
- Joint Committee for Tertiary Education Conference, Jamaica Pegasus Hotel, May 1, 2003

Meetings and Conferences

The UWIDEDEC senior staff attended several meetings and conferences including:

- *UWIDEDEC Senior Staff Retreat* September 30 – October 2, 2002, in Trinidad and Tobago.

Academic Programme Committee

Ms. Vilma McClenan and Ms. Christine Marrett attended the first meeting of the Academic Programme Committee, Barbados, on March 14, 2003.

CARADOL Constitution Sub-Committee

Ms. Vilma McClenan co-chaired the first meeting of the CUPIDE Constitution sub-committee for the establishment of CARADOL – the fledgling Caribbean Association for Distance and Open Learning. She drafted the Constitution for this association and presented it to CUPIDE, under which project the initiative to establish the regional association falls.

Jamaican Association for Distance and Open Learning (JADOL)

UWIDEC is an institutional member of JADOL and its office at Mona continued to serve as the mailing address. Ms. Marrett serves as Treasurer and convenor of the membership committee. Ms. Vilma McClenan, Ms. Charmaine McKenzie and Mr. Derrick Thompson are members.

Ms. Marrett was integrally involved in the planning and staging of activities for JADOL Week, October 20-25, 2002.

Ms. Marrett also assisted in the organization of a public lecture held in Mandeville, presented by Mr. Seymour Riley on distance education in support of adult education in March 2003, and a panel presentation by distance learning students in July 2003.

RESEARCH IN PROGRESS

Christine Marrett

- Faculty participation in distance education at the University of the South Pacific, the University of Swaziland and UWI.
- Institutional collaboration in distance education at the tertiary level as an aspect of human resource development in the small, developing countries of the Caribbean (Ph.D. thesis)

Staff

At the UWIDEC office, Mona, the Senior Programme Officer, Christine Marrett, continued in the role of Campus Coordinator. For the third year in succession, the Editor, Miss Charmaine McKenzie, continued to act as Curriculum Development Specialist. A part-time Editor, Ms. Paulette Bell, joined the section in February 2003 for a period of six months. Miss Monica Wint continued to work as Production Assistant

and Miss Pauline Osbourne, the section's second Production Assistant, went on maternity leave in June 2002 and returned in October 2002. Mrs Annika Lewinson-Morgan worked in her stead over the period. Mr Donavan Grant continued in the post of Graphic Artist.

The post of Web Administrator (filled by Mr. Howard Smith), which had previously been financed from extra-budget funds, was included in the budget for 2002/2003. Mr. Derrick Thompson continued as Deputy Telecommunications Manager. Funding for part-time computer lab technicians for the intra-Jamaica sites was approved for academic year 2002-2003. However, the posts had not been advertised up to the end of the period. It is anticipated that this will be done early in the new year.

Mr. Sheldon Cardoza joined the technical staff at UWIDEC Montego Bay, November 1, 2001, and Mr. Yhan Campbell joined the technical staff at Mona in February 2003.

Following the week of Orientation activities for new and returning distance students, the Academic Programme Coordinator, Vilma McClenan proceeded on local leave for semester 1, primarily to carry out some training and to do writing in intensive workshop sessions. Her duties were undertaken by Mr. Orville Beckford. (Mr. Beckford also acted as Administrative Officer, Ocho Rios, while Ms. Perkins was on study leave February-March, 2003). Mrs. Beryl Cunningham and Ms. Alecia Walters continued working as part of the team responsible for the delivery of programmes.

Other staff members at the UWIDEC Office, Mona, were Ms. Elaine Bolton, Administrative Assistant; Ms. Dionne Cope, Receptionist; Ms. Brigitte Frazer, Chief Office Attendant; and Mr. Howard Williams, Senior Office Attendant.

For the year under review, the person appointed by the host institution to oversee the management of the Centre in Mandeville, Mr. Karlem Mair, handed over responsibility for UWIDEC matters to Ms. Carmen Bailey. Mr. Cardovan Jackson, Principal of Paul Bogle Junior High School assumed position as the Morant Bay Site Coordinator with effect from November 1, 2002, following on the retirement of Mrs. Ivet Russell.

Ms. Aneisha Welsh (Administrative Assistant, Morant Bay) completed her B.Sc. degree, while Ms. Rhona White, Site Coordinator, Mona, completed the Diploma in Population and Development.

The Administrative Assistants in Ocho Rios, Brown's Town, Mandeville, Vere and Savanna-la-mar continued their studies in B.Sc. Management by distance. Ms. Jerome Perkins, Administrative Officer, Ocho Rios, was on leave of absence from her doctoral programme. Mr. Howard Smith, Web Administrator, continued the Masters in Information Systems, Ms. Christine Marrett continued her PhD with the Sir Arthur Lewis Institute for Social and Economic Studies, and Ms. Charmaine McKenzie registered for the M.Phil History. Ms. Monica Wint continued as a part time student at the Mona Campus pursuing the Certificate in Social Services and Social Work.

PAPER PRESENTED

Vilma McClenan

- “Violations to the Right to Education of Persons with Disabilities”, at an International Tribunal convened by the ICAE in September 2002 in Montreal.

Christine Marrett

- “Challenges of teaching-learning at a distance”, presentation to Mona campus staff, August 22, 2002.

PUBLICATIONS

- * McClenan, Vilma et alia, (2003) *Carlong Primary Integrated Studies Year 1*; “Getting to know me” and “Getting to know my body”; Carlong Publishers (Caribbean) Ltd.
- * Austin, I and Marrett, C. (Eds) (2002) *Adult Education in Caribbean Universities*, UNESCO.
- * Marrett, C and Turner, G. (2002) “Open learning and adult education in Jamaica: the case of the University of the West Indies (UWI) and the University of Technology, Jamaica (UTech)”, in Austin, I and Marrett, C. (Eds) *Adult Education in Caribbean Universities*. UNESCO.

Tributes

UWIDEC joined with other members of the university community in mourning the passing of Ms. Pam Morris and Dr. Peter Whitely, both of whom had contributed to distance education at UWI.

PUBLIC SERVICE

Charmaine McKenzie

- Member, Jamaican Historical Society – Editor of its Bulletin
- Member, Jamaican Association for Distance and Open Learning (JADOL)
- Member, St. Hugh's Past Students' Association (SHPSA) – Co-editor of its Newsletter
- Editor, Grade Kennedy Foundation in Lecture, 2003

Jerome Perkins

- Member, Association of Caribbean Higher Education Administrators (ACHEA).
- Executive Member, Caribbean Tertiary Level Personnel Association.
- Member, American College Personnel Association.

Vilma McClenan

- Caribbean Vice-president, Executive of the International Council for Adult Education (ICAE)
- Member, Jamaican Council for Adult Education's (JACAE) Adult Education Week Committee
- Member, Jamaican Association for Distance and Open Learning (JADOL)
- Member, special committee to redefine JAMAL's Mission and to decide upon a new name

- Member, Steering Committee of the Early Childhood Environmental Resource Centre of Shortwood Teachers' College.

Christine Marrett

- Treasurer, Jamaican Association of Distance and Open Learning (JADOL)
- Convenor, JADOL Membership Committee
- Secretary, Proprietors' Strata Plan 375
- Executive Member, Proprietors' Strata Plan 65
- Executive Member, St. Hugh's Past Students' Association and Member of its public relations and other committees
- Director, St. Hugh's Past Students' Foundation
- Member, Association of Caribbean Higher Education Administrators (ACHEA)

Derrick Thompson

- Member, Jamaican Association for Distance and Open Learning

AWARDS

Vilma McClenan

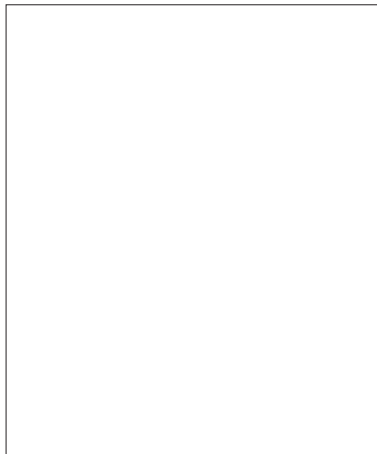
Received a citation from the Jamaican Council for Adult Education (JACAE) in December 2002 "to honour her considerable contributions to adult education at the national, regional and international levels."

Jerome Perkins

Awarded a Fellowship for university administrators by the Embassy of the United States of America (USA) in February/March 2003. She undertook an assessment of higher education in five states in the USA.

**FACULTY OF
MEDICAL SCIENCES
MONA**

Year ending July 31, 2003



**Professor Owen St. Clair Morgan, CD, MA. MD *Dub*, FRCP,
FACP – Dean**

DEAN'S OVERVIEW

HIGHLIGHTS OF WORK IN THE FACULTY

During the academic year 2002/03, the faculty pursued its goals on three main fronts – refining the delivery of the revised undergraduate medical curriculum, developing proposals to establish a regional accreditation body, and implementing changes consistent with the university's strategic objectives. In all three areas, considerable progress was achieved.

The Curriculum

In the first instance teaching was improved by expansion of IT capabilities and improved access of students to computer programmes. Additional support was provided for the new curriculum through curriculum development and quality evaluation workshops held at the Mona Visitor's Lodge on October 22-23, 2002, with Dr. John Spencer, Professor of Medical Education, School of Health Care Sciences, University of Newcastle, Newcastle-upon-Tyne, as director.

A student tracking system was established to provide an objective measure of student performance beginning with the 2006 and 2007 classes. The results were satisfactory.

Arrangements are in place for students completing Stage I of the MB,BS degree programme to be awarded a Bachelor of Medical Sciences (BMedSci) degree.

Projects to ensure that the teaching laboratories meet international standards were started. Phase I of the upgrade of the pathology laboratories was completed with the refurbishing of the Anatomic Pathology Laboratory. When Phase II is finished the chemical pathology and haematology laboratories, will be integrated to provide all the required

endocrinological tests, support for research activities, and for the clinical endocrinology and in-vitro fertilization programmes.

Regulations for the Bachelor of Basic Medical Sciences and Bachelor of Sciences (Physical Therapy) degrees have been approved.

Accreditation

In last year's report, we noted that preliminary steps had been taken to establish a regional accreditation body, following the decision of the General Medical Council of Great Britain not to accredit programmes of institutions external to the UK and EU. Approval to establish this body was granted at the Heads of Government Conference held in July 2003, and in the most recent development, the treaty establishing its authority has been approved by the CARICOM Legal Affairs Committee.

Strategic Objectives

In regard to fulfilling the university's strategic objectives, three areas of focus engaging Faculty activities are to be noted.

- Expansion of access and the introduction of new programmes.
- Development of graduate studies and research featuring the establishment of a research office in the Dean's office.
- Enhancing the university's regional and international standing and visibility through the activities of staff and students.

Two other significant achievements were realized in the past year.

- **Sir Kenneth Standard** was named one of the ten outstanding figures in public health in the last century by the WHO. To mark the occasion the Kenneth Standard Lecture was launched at the Faculty's 11th Annual Research Conference to coincide with celebrations acknowledging 100 years of PAHO's involvement in the region. The inaugural lecture was delivered by Dr. Douglas Slater, Minister of Health, St. Vincent and the Grenadines.
- Senate approved the inauguration of the named chairs in the Faculty of Medical Sciences – the **Owen Morgan/Paul Dishner** Chair in Medicine, and the **Terrence Rose/Paul Dishner** Chair in Paediatrics. Dr. Dishner, a distinguished physician, funded these chairs for the purposes of promoting research in medicine and paediatrics.

The Faculty records with sadness the passing of Professor Michael Beaubrun, first professor in the Department of Psychiatry at Mona, and Professor Syam Roopnarinesingh, Head, Department of Obstetrics & Gynaecology, St. Augustine, Trinidad & Tobago.

RESEARCH

Research activity increased and indeed spread across the Faculty. There was a striking increase in the enrolment of graduate studies. The DM continues to be a very popular programme, but the limitations imposed by insufficient space restricted intake to 40% of the total applicants. Four (4) students were awarded the PhD, and twenty four (24), the DM.

Professor T.E. Forrester continues as Sub-Dean for research and a faculty research office now resides in the Dean's office.

The research projects cover a wide range of topics and disciplines. They include studies on the human T lymphotropic virus type 1 (HTLV-1), now in their twentieth year; research into the major cancers affecting the population, i.e., cancers of the prostate, breast, colon and blood; HIV/AIDS; substance abuse; use of open medical wards for the care of patients with acute psychoses; and the use of music on learning and aggression.

Anticipating an increase in the numbers of elderly patients during the next few decades, studies are being conducted to evaluate treatment modalities for use in elderly demented patients are the economic consequences of this development.

The focus on the HIV/AIDS epidemic is reflected in our publications and in new courses being offered in the curricula.

Collaborative studies between the Section of Surgery and the School of Engineering at the University of Technology resulted in the patenting of an **electromagnetic pump** which will be used to train practitioners in beating heart cardiac surgery. This invention has been warmly received both locally and internationally.

Funding for the research activities independent of university grants and other support has been in excess of US\$10.5 million. To illustrate:

- The NCI/NIH Bethesda has funded the HTLV-1 project headed by Professor B. Hanchard to the tune of \$4 million over the next four years.
- The survivors of breast cancer awarded US\$7000 to the Department of Pathology to pursue studies in this area.
- The Elizabeth Glazer Paediatric AIDS Foundation, the Jamaican Embassy of the United States (Washington), and Merck and Co. have funded projects of which Professor C. Christie, Department of Obstetrics, Gynaecology and Child Health, has been the principal investigator, in the amount of US\$1.7 million
- UNICEF awarded a grant of US\$120,000 to Dr. M. Samms-Vaughan of the same department to pursue a project aimed at designing a system for screening, referral and early intervention for children at risk in Jamaica.
- The Environmental Foundation of Jamaica funded a project to develop programmes at the UWI in occupation and environmental safety and health by the Departments of Community Health (Mr. Milton Pinnock) and Chemistry (Professor Ishenkumba Kahwa) in the amount of US\$25,000.
- The InterAmerican Development Bank (IADB), Private Sector Organisation of Jamaica, Michigan State and the European Community, donated US\$5 million to the Department of Community Health and Psychiatry for study of HIV/AIDS and violence prevention.
- Another grant of US\$100,000 was obtained as a result of the joint efforts of the Department of Community Health & Psychiatry and the Ministry of Health to mount a campaign against HIV/AIDS.
- Research grants totaling US\$300,000 were received by members of the Department of Basic Medical Sciences to support their research activities.

Gifts and donations

Donations amounting to US\$650,000 were solicited and obtained by the Department of Surgery from the Bank of Nova Scotia, for the expansion of the UHWT's accident and emergency services and the development of neurosurgical and orthopaedic services.

Dr. Ivor Crandon, Department of Surgery, was the recipient of US\$250,000 to provide neurosurgical equipment which would advance the practice of the specialty.

The benefits of computerization and additional equipment should further enhance the research capabilities of the Faculty.

Dissemination of this information was achieved at the several conferences, workshops and symposia hosted by the Faculty:

- The 11th Faculty of Medical Sciences Research Conference, “Ageing Well: Life Course Perspective” November 22-23 2003.
- The annual Perinatal Audit hosted by the Department of Obstetrics, Gynaecology and Child Health, the Ministry of Health and PAHO, February 7-8, 2003.
- Oncology and Gynaecological Practice Conference, Department of Obstetrics, Gynaecology and Child Health, July 10-12, 2003.
- The Annual Nursing Research Conference and Mary Seiveright Day “Research Informing Nursing Practice,” DANE, May 14-15, 2003.
- The UWI Diabetes Outreach Project’s 9th Annual International Conference, March 6-9, 2003.

PUBLICATIONS

Articles in referred journals (96), books (1), book chapters (8), monographs, teaching material, technical reports for WHO, PAHO, UNICEF, resulted in over 130 publications.

Best Publications

The Faculty’s Research Award Committee selected the following publications as the **three best publications** in the Faculty:

- Nutritional status of 11-12 year old Jamaican children: co-existence of under and over-nutrition. Public Health Nutrition (2002) 5(2) 281-288, Jackson M, Samms-Vaughan, M, Ashley D.
- Access to care and maternal mortality in Jamaican hospitals 1993-1995. International Journal of Epidemiology (2001) 30, 796-801, McCaw-Binns A, Standard-Goldson A, Ashley D, Walker G, MacGillivray I

- Chronic renal failure in Jamaican children (2002), WIMJ 51(4), 220-6, Miller M, Williams J.

Outstanding and Named Researchers

Dr. Monica Smikle, Department of Microbiology, **Dr. Horace Fletcher**, Department of Obstetrics, Gynecology and Child Health, and **Professor Kathleen Coard**, Department of Pathology, have been named for their work on molecular genetics in autoimmune disease, the use of misoprostol in obstetric practice and soft tissue malignancies, respectively.

The Principal's award for the best research publication at the UWI Research Day 2003 awards ceremony went to **Mrs. E. Bailey**, **Dr. M. Duff** and **Miss S. Lopez** of the Department of Advanced Nursing Education.

CONTRIBUTIONS OF FACULTY MEMBERS

Awards, Honours & Distinctions

Professor Owen Morgan was voted council member of the International HTLV-1 Committee at its meeting in San Francisco in June 2003.

Professor Frederick Hickling was appointed chairman of the National Council for Drug Abuse for 5 years effective June 15, 2003.

Professor Celia Christie was elected a Fellow of the Infectious Diseases Society of America for long and distinguished services to the study of infectious disease.

Miss Sheryll Lopez was honoured at the Nursing Council of Jamaica 50th Anniversary Awards at Pegasus Hotel, December 13, 2002, for services to the Council.

Dr. Denise Eldemire-Shearer received the distinguished mentorship award from the Behavioural and Social Sciences Section of the Gerontological Society of America (GSA).

The Hon. Syringa Marshall-Burnett was re-elected President of the Senate.

Staff Promotions

The following members of staff received promotions:

- **Dr. H. Asemota**, Professor of Biochemistry, Department of Basic Medical Sciences
- **Dr. K. Coard**, Professor of Pathology, Department of Pathology.
- **Dr. A. McDonald**, Professor of Surgery, Department of Surgery, Radiology, Anaesthesia & Intensive Care
- **Professor Kenneth Stuart, Sir George Alleyne and Professor T. L. Thé** were conferred the title of Emeritus professor.
- **Dr. G. Wharfe**, Senior Lecturer, Department of Pathology
- **Dr. R. Wright-Pascoe**, Senior Lecturer, Department of Medicine
- **Dr. S. Kulkarni**, Senior Lecturer, Department of Obstetrics, Gynaecology & Child Health
- **Dr. H. Hewitt**, Senior Lecturer, Department of Advanced Nursing Education
- **Professor P. Fletcher** was appointed Senior Director of Clinical Services, UHWI

STUDENT ACHIEVEMENTS

At the beginning of the academic year, the Faculty had the following new enrolments into undergraduate degree programmes:

110	MB BS
16	BSc Nursing
16	Certificate in Nursing
22	BSc Physical Therapy

Great demands for places in the MB,BS programme are still being made with applications amounting to at least 10 times the number of available places. The problem with financing these courses remains. It is to be noted that the environment for study has improved as reported in the Staff/Student Liaison Committee meetings.

There are very few problems with the new curriculum and the staff is to be congratulated for effecting these smooth transitions.

Stage II Part I – April/May 2003

Subject	Distinctions	Hons	Pass	Fail	Total
Pathology/ Microbiology		8	81	10	99

Stage II Parts II, III, IV, May/June 2003

Subject	Distinctions	Hons	Pass	Fail	Total
Medicine (MD500)		3	69	4	76
Surgery (SU500)	1	1	69	5	76
Obstetrics & Gynaecology (O&G 500)	1	8	64	3	76

Students Graduated

For the year 2001/2002, the Faculty graduated

MBBS	90
BSc Nursing	17
Dip. in Community Health	8
Cert. in Nursing Administration	10
Certificate in Nursing Education	9

New Undergraduate Programmes

Regulations have been approved for the following new degree programmes.

- The Bachelor of Basic Medical Sciences (BBMedSci), a stand-alone degree with majors in biochemistry, anatomy, physiology and pharmacology.
- The BSc (Physical Therapy), a programme of studies offering courses in the professional, medical and rehabilitative sciences.
- The BSc (PostRN) for appropriately qualified registered general nurses
- The generic BSc(N) at the Brown's Town Community College beginning in August 2002 with the entry of 26 students. The

franchise arrangement was formalized between UWI/Brown's Town Community College on July 29, 2003.

Kingston School of Nursing, UHWI School of Nursing and Excelsior Community College have requested access to this programme.

Student Awards

Basic Medical Sciences Scholarships

Prizes for Stage I of the MBBS were redirected and the first set will be offered at the end of the stage I courses.

Scholarships & Bursaries

Beryl Kennedy-Clemetson Memorial Scholarship	Tasha-Kay Walker
Linda Garvey Gellman Scholarship	Inga Smith
The Independent United Order of Solomon	Vantario Taylor
The Chevonne Harry Lue Medical Scholarship	Derwin Christmas
Dansford Food Market Scholarship	Dana Richardson
Dr. Aubrey McFarlane Bursary	Glynne Edwards

Stage II, Part I Clinical Prizes and Medals

Pathology Medal/Microbiology Medal	Karina Hew
Professor S. Brooks Memorial Prize	Tahira Jackson
Professor Louis Grant Book Prize	Simone Bailey

Stage II Parts II, III, IV

Wyeth Award for Most Outstanding (Mona) Student in Obstetrics & Gynaecology	Stefan Hemmings
General Surgery Prize	Glynne Edwards

Sir Harry Annamunthodo Prize in Surgery
 donated by the UWI Medical Alumni Assoc
 (Canadian Chapter)

Glynne Edwards

Commonwealth Elective Bursary

Commonwealth Elective Bursary was awarded to Bertilee Burgess and Donna-Kaye Bennett of the Class of 2004 to pursue an elective in Scotland.

BSc Nursing

Mildred Marshall Bursary	Patricia Ingram-Martin
Tastee Limited Scholarship	Sandra Morris
Ralph & Ricky Lauren Design Studio Scholarship	Sandra Morris

Postgraduate Training

The postgraduate training programmes continue to be well subscribed and contribute to the health care needs in the region. The postgraduate enrolment at Mona for the academic year 2002/03 was:

Programmes	Applied	Offered	Registered
MPH	69	58	28
MPhil	25	17	12
MSc	63	49	95
PhD	16	11	10
DM	101	46	40
MD	1	0	0

For the year 2001/2002, the Faculty graduated

Mphil	1
DM	24
PhD	4
MPH	25
MSc (Nutrition)	1

New Graduate Programmes

The MSc (N) Nursing Programme commenced in academic year 2002/2003. 22 full-time and part-time students have enrolled in the

programme and include nurse practitioners on the recommendation of the Ministry of Health.

DISTINGUISHED VISITORS

Dr. Jeremy Corson, public health consultant, UK, to assist with Jamaica's health sector reform programme

Dr. Michi Hisada and **Dr. Beth Maloney**, Project Directors from the Viral Epidemiology Branch NCI/NIH, Bethesda.

Dr. Danny Ringer, Laboratory Consultant from the NIH.

Dr. Cynthia Fletcher, Assistant Professor, University of Alabama.

Professor Denise Alcock, former Dean of Nursing and Dean of the Faculty of Health Science, University of Ottawa.

Professor Peter Jones, University of Cambridge.

Professor Stan Kutcher, Associate Dean International Affairs, Dalhousie University.

PROJECTED ACTIVITIES

- A database will be established for the graduate studies programme to track student progress.
- Inaugural lectures will be held to mark the appointment of professors in the faculty.
- Work will commence on expansion of the DANE building and a new building for the Department of Community Health & Psychiatry will be erected
- The 12th Annual Research Conference will be held on November 12-14, 2003.
- An epidemiologist/statistician will be appointed to the Dean's Office utilizing CHRC funding to steer research activity in the Faculty and manage the Research Office.
- Work will continue on the establishment of a regional accreditation body

DEPARTMENT OF ADVANCED NURSING EDUCATION

**Dr. Hermi Hewitt, BSc (Nursing) UWI, MPH Tulane,
PhD Univ of Iowa – Head of Department**

The academic year 2002/03 commenced with several curricular changes. The department for the first time offered postgraduate programmes in four specialist areas and a new undergraduate generic baccalaureate degree in nursing, franchised at Brown's Town Community College (BTCC). The certificate programmes and Post Registered Nurse BScN degree offered since 1966 and 1983 respectively were also revised and restructured. Therefore the programmes now offered in the department are: BScN (generic), BScN (Post RN), MScN (Nursing Administration), MScN (Nursing Education), MScN (Family Nurse Practitioner), MScN (Mental Health/ Psychiatric Nurse Practitioner and MScN (Clinical Nurse Specialist).

WORK OF THE DEPARTMENT

Collaborative Relationships: A Human Health Resource and Nursing Workforce, CARICOM/Canadian/PAHO partnership meeting was initiated in Barbados, November 25-29, 2002. Through this initiative a proposal was developed to build DANE academic staff capacity to convert currently taught undergraduate and graduate courses to web-based delivery and advance the nursing and midwifery research agenda in the department. Contingent on this proposal, two major activities emerged. Professor Denise Alcock, former Dean of Nursing & Dean of Health Sciences, University of Ottawa and Nurse Scientist was assigned to assist the DANE's research agenda. She was appointed Visiting Professor of the UWI March 10-15, 2003. She also addressed the Faculty of Medical

Sciences Advisory Committee regarding funding opportunities in Biomedicine in Canada. Among the deliverables of Professor Alcock's visit were the draftings of 5 research proposals for which collaborative funding sources are being sought. Collaborative linkages have begun between DANE staff and other Canadian Scientists with similar research interests. For example, she has linked DANE with Professor Harrison, a Canadian nurse scientist in wound care research who will collaborate in the papaya and wound care study.

The second activity emanating from this proposal was the site visit of Professor Joy Branch July 23-August 1, 2003. The purpose of this activity was to assess the readiness of DANE to deliver web-based courses and to determine the harmonization of CARICOM nursing curricula with that of DANE/UWI BScN curriculum. Participants in this workshop were from the Bahamas, Barbados, Belize, Trinidad, Suriname, and representatives from Schools of Nursing and major Hospitals in Jamaica and DANE curricular co-chairs Mrs. Bailey, Miss Lopez and Mr. Weaver. Health Canada through PAHO/WHO provided funding.

The activity was also used to market the distance education agenda and in particular the electronic delivery of DANE programmes. As a part of the marketing strategy, Craig Perue and Christopher Muir demonstrated to participants a sample web-based UWI course and viewing of DANE's website. Among the staff consulted were Mr. Carlton Samuels, Professor Carrington, and Professor Errol Miller. Based on a favourable assessment, the Canadian partners are assisting the department to develop a research-framed proposal to submit to the Canadian Institute of Health Research.

UWI/TLI Activity: A Memorandum of Understanding was signed July 29, 2003, between the UWI & BTCC to franchise the generic BScN programme. Although this is an exciting venture and one which increased the number of nurses educated and trained in Jamaica, it has been a major challenge for the academic year. The outstanding issues are mainly logistically based and though not insurmountable are time consuming. The support of the Dean, FMS, Admissions Section, the Examination Section and in particular the UWI/TLI Unit has been remarkable.

The University Hospital of the West Indies School of Nursing (UHWISN), Kingston School of Nursing (KSN) and Excelsior Community College Nursing Education Department (EXEDNED) are at different stages of pursuing collaborative relationship with DANE

through the UWI/TLI Unit. EXEDNED was assessed May 14 & 15, 2003 for its readiness to franchise the UWI BScN programme and now awaits the UWI Board's decision. UHWISN and KSN are in the process of registering their institutions with the University Council of Jamaica. To monitor their progress and provide advisement, meetings are held with all three institutions' administration on alternate months. Representatives at these meetings are from DANE, UWI/TLI Unit and UWI Admissions' Section.

Information Technology: A comprehensive plan for DANE's information technology programme was discussed with the Director and team of Mona Information Technology Service (MITS) Unit and also with the Faculty of Medical Sciences (FMS) Hopwood Committee. MITS & FMS are providing the necessary support for successful implementation of the plan. Successful outcomes are the launch of DANE's website March 19, 2003 and the offering of a Nursing & Health Information Systems course. The website has been receiving favourable reviews from nurses worldwide.

New Programmes: The restructured and revised **BScN (post RN) degree** will be offered as a completion programme in the next academic year. This development is in keeping with current practice in nursing education globally. This degree will give all registered nurses with diplomas and certificates the opportunity to upgrade their education in the region. The department is working assiduously with MITS and Canadian partners to have this revised programme offered electronically.

In order to facilitate the request of the Ministry of Health to train nurse practitioners at the UWI, Cabinet agreed to finance four posts over a three year period, thereafter the programme will be self-financing. In preparation for implementing this agreement several meetings were held with the UWI, Ministry of Health and Ministry of Education. Despite the considerable progress made in commencing the programme, logistics relating to employment of staff previously employed by the MOH is still outstanding. In the meanwhile Miss Cerese Hepburn, Mrs. Rosetta Green and Dr. Norman Waldron, teachers in the previous MOH Nurse Practitioner programme, taught in the UWI nurse practitioner programme during the academic year 2002-03. Mrs. Yvonne Wint also of the MOH programme continued secondment to DANE during the academic year 2002-03.

Research Activities: At the request of the CARICOM/Regional Nursing Body (RNB) a research on the “Capacity of CARICOM countries to educate and train nurses” is being conducted through the DANE Nursing Midwifery Research Centre (NMRC). The project received J\$369,495.00 from PAHO/WHO. A NMRC account was established January 28, 2003. Funds from projects and the annual nursing midwifery research conference and Mary Seivwright Day are lodged to that account.

The Annual Nursing Research Conference and Mary Seivwright Day were held May 14 & 15, 2003 at the Hilton Kingston Hotel. The theme of the conference was “Research informing nursing practice”. Dr. Elaine Patterson, School of Medicine and Dentistry of New Jersey was the keynote speaker. Eighteen Scientific papers were orally presented and three posters displayed. Eight hundred and thirty five (835) nurses, representing Antigua, Barbados, Belize, Cuba, St Kitts/Nevis, India, Jamaica, Montserrat, Nigeria, St. Lucia, St Vincent & the Grenadines, Trinidad & Tobago, and the United States of America attended.

Dr. Hewitt participated in the RNB Executive and Education Committees’ meeting at the CARICOM Secretariat, Guyana, January 29-31, 2003.

DANE participated in the Annual Mona Research Conference by mounting three staff and students’ research posters in a booth in the Assembly Hall on January 30, 2003. A display of staff and students research was also mounted at the Mary Seivwright Building for public viewing on January 31, 2003.

Planning Activities: A breakfast Field Agency staff planning meeting was held March 21, 2003 with thirty senior nurses and clinical agency staff who assist DANE on a voluntary basis. The objectives for the Field experience were discussed and activities to meet them were identified. This planning meeting will be an annual event.

The Annual Departmental Retreat was held at the Terra Nova Hotel, June 30-July 4, 2003. DANE also conducted a retreat July 7 & 8 hosted by BTCC at the Villa Sonate, Runaway Bay with the BTCC nursing staff to review the curriculum implementation for the first year of the franchised BScN programme and plan for the 2003-04 academic year.

Mrs. Marva Byfield, a graduate of DANE joined DANE staff February 3, 2003. She replaced Mrs. Bailey and Mrs. Wint during their local leave.

Infrastructure: The increase in number of students and programmes in the department without adequate infrastructure for laboratory practicum and classes has caused much inconvenience. Despite several appeals and promises throughout the academic year, the extension of the building to accommodate this change was not done. It is hoped that the extension will become a reality in the coming academic year.

A blurb on the book “Trailblazers in Nursing Education: A Caribbean Perspective” was featured in the Spring Issue of the *Commonwealth Nurses Federation Newsletter*. The newsletter is circulated to nurses around the world.

Staff Development: The staff participated in a number of local and regional workshops and conferences during the year.

Student/Staff Liaison activities: Orientation sessions were held with undergraduate and graduate students August 25, 2002 and August 29, 2002 respectively. An end of semester rap session was held with students December 20, 2002 in which students treated the Lecturers, Administrative, Technical and Service Staff to a sumptuous meal. A general assembly with all students to welcome them for the new semester and to set the stage for Semester 2 was held January 13, 2003. A student/staff liaison meeting was held April 22, 2003. The purpose of this meeting was to congratulate the students who received awards April 12, 2003 and to encourage other students to emulate their peers.

Staff Awards

Dr. Marilyn Duff, Mrs. Bailey and Miss Lopez were recipients of the Principal’s award for Best Research Publication at Research Day 2003 Awards Ceremony, Friday January 31, 2003 at the Mona Lodge & Conference Centre.

Honourable Senator Marshall-Burnett was invited by the University of Toronto Career Centre to become a member of their BOARD OF FAME, which honours alumni who have made significant contributions to the arts, politics, business and/or community affairs. She was one of the retirees honoured by the Faculty of Medical Sciences Board for twenty eight (28) years of service to the University of the West Indies.

Dr Hewitt was reelected to serve as a Board Director of the International Academic Nursing Alliance (IANA), Sigma Theta Tau International Honour Society, February 18, 2003.

Mrs. Marshall-Burnett, Mrs. Wint and **Dr. Hewitt** were among the nurses honoured for nursing leadership by Courts Limited and Caymanas Track Limited April 26, 2003.

Mrs. Angella Ennis, Senior office Attendant was honoured for thirty years service to the UWI at the Long Service Awards ceremony, the Visitors Lodge, UWI, Mona December 12, 2002.

The Nursing Council of Jamaica honoured **Miss Lopez** for her service to that Council at its 50th Anniversary Awards ceremony at the Pegasus Hotel December 13, 2002.

RESEARCH IN PROGRESS

- “Knowledge, lifestyle practices, blood glucose control, cardiovascular and renal risk in patients with diabetes mellitus” EM Duff, N McFarlane-Anderson, E Bailey, A. O’Connor & Y. Wint.
- “Quality of life among home-based care-givers in HIV/AIDS” Departmental research with M Duff, as Principal Investigator
- “A historical research highlighting critical epochs of the Nursing Council of Jamaica’s development over 50 years” H. Hewitt.
- “Efficacy of the Carica papaya fruit in wound care compared to traditional treatment” G Dawkins, H Hewitt, P. Singh, L Talabere, Y Wint, E Bailey, S Weaver, S Lopez & O Parshad
- “Capacity assessment of CARICOM countries to train nurses” H. Hewitt, E. Bailey, C Hepburn, S Lopez, M. Duff
- “Evaluation of the regional examination for nurse registration in ten CARICOM countries” S. Marshall-Burnett & P Marks.
- “Cultural practices in maternal and child health” Departmental research with S. Weaver as Principal Investigator
- “Traditional healers: A response to HIV & AIDS in St. Thomas” S. Weaver
- “Has the combined medical treatment of Ipratropium bromide and Salbutamol vs. Salbutamol nebulization alone in the emergency management of bronchial asthma reduced hospital

admission rates?” N Waldron, C Hepburn, Y Wint, R Green, E Kahwa & H Stewart.

PAPERS PRESENTED

Mrs. Ellen Bailey:

- Hewitt, H., Wint, Y., Talabere, L., Lopez, S., **Bailey, E.**, Parshad, O. & Weaver, S. “Use of papaya in decubitus ulcers” May 14, 2003 Annual Nursing Research Conference.

Dr. Marilyn Duff

- “Occupational stress among health personnel in an accident & emergency unit” **McFarlane D**, Duff M, Bailey, E, Caribbean Health Research Conference in the Bahamas April 30 2003;

The following were presented at the Nursing Research Conference May 14 & 15, 2003:

- “Stress among third year nursing students” Josiah, **Duff** & Bailey;
- “Knowledge, self-care practices and blood glucose control among women with diabetes mellitus”, Silcott, **Duff** & Bailey;
- “Factors contributing to third year nursing students satisfaction in the clinical learning environment”, Paquiul-Espadas, **Duff** & Bailey;
- “Perceived quality of care at a Type V health centre” **Fagon**, Duff & Bailey

Dr. Hermi Hewitt:

- “Effects of Carica papaya on wound organisms, CNO Biennial Conference in St. Kitts August 15, 2002;
- “DANE/UWI Challenges, Future Direction and Recommendations regarding Human Health Resource and Nursing Workforce in the Caribbean”, Barbados November 25, 2002;
- “Professionalism in nursing practice” to newly graduated registered nurses at the Julie Symes Auditorium, Arnold Road, December 17, 2002;
- “DANE’s curriculum plan for nurses in the Caribbean”, the CARICOM/RNB Executive and Education Committees’

meeting, CARICOM Secretariat, Georgetown Guyana, January 30, 2003;

- “Remarks” Nurse Practitioner Graduation Medical Lecture Theatre, February 20, 2003;
- “Historical overview of nursing research conference in the DANE 1989-2003” Hilton Hotel, May 15, 2003;
- “Clinical career ladders in the Caribbean health systems”, St. Vincent & the Grenadines, May 25, 2003;
- “Remarks” Bi-Annual Seminar of the Nurse Practitioner, Jamaica Grande, June 5, 2003.

Mrs. Eulalia Kahwa

- “Anticardiolipin antibodies in primiparae” **Kahwa, E.**, Sargeant, L., McCaw-Binns, A., McFarlane-Anderson, N., Smikle, M., Forrester, T. & Wilks, R. Annual Nursing Research Conference, May 14, 2003

Miss Sheryll Lopez

- “Perceived social support of patients with end stage renal disease on haemodialysis” Annual Nursing Research Conference, May 14, 2003

Mrs. Syringa Marshall-Burnett

- First Julie Symes Memorial Lecture for the Nursing Council of Jamaica’s Golden Anniversary Jubilee, September 3, 2002;
- “Nursing education consultancy in Dominica”, Preliminary report to PAHO;
- “Nurses empowering others: Agents of social change”, College of New Rochelle Post RN BSN Alumni Association inaugural conference, New York, April 29, 2003.

Dr. Hemsley Stewart

- “The History and Development of the Community Mental Health Service in Jamaica: 1963 through 2000” Annual Nursing Research Conference, May 14, 2003

Mr. Steve Weaver

- “The spirit world, discernment and healing gifts in a rural community”, American Anthropology Association Conference, New Orleans, USA.;
- “Alternative health care” Caribbean Health Research Conference in the Bahamas May 3 2003;
- “Traditional healing or Medical Sciences: Selecting health care in a rural community in St. Thomas, Jamaica”, Annual Nursing Research Conference, May 14, 2003

Mrs. Yvonne Wint

- “The effects of the Carica papaya on microorganisms”, Dawkins G, Hewitt H, **Wint, Y** & Obiefuna, P. Pan American Nursing Research Colloquium, Mexico, October 17, 2002.
- “A Preliminary Report on “Knowledge, practices, self-reported motivational factors and suggestions for empowerment in patients with diabetes mellitus”, **Wint, Y.**, Duff, M., Bailey, E., & O’Connor, A. May 14, 2003 Annual Nursing Research Conference.

PUBLICATIONS

Refereed:

- * “Use of papaya on pressure ulcers” H Hewitt, Y Wint, L Talabere, S Lopez, E Bailey, O Parshad, & S Weaver. *American Journal of Nursing* 102 (12), 73, 75 &77. (2002):
- * “Compliance and blood pressure control in women with hypertension.” B Bobb-Liverpool, EM Duff, E Bailey. *West Indian Medical Journal*, 1 (4), 236-240 (2002).
- * “Conflict Analysis and Resolution.” H Stewart, *The Jamaican Nurse Journal*, 40, 1 (2002), 23-26.
- * H Stewart. Sexual harassment at the workplace with special reference to health care. *Jamaican Nurse Journal*, 40, 2&3, (2002). 24-29 & 32-34.
- * “Editorial” S. Marshall Burnett. *The Jamaican Nurse*, 40, 1 (2002), 3 also “Editorial” *The Jamaican Nurse*, 40, 2 & 3 (2002), 3.

- * “Book Review of Trailblazers in Nursing Education: A Caribbean Perspective S. Marshall-Burnett. *The Jamaican Nurse*, 40, 1 (2002), 5-7.

Non-Refereed

- * **M Duff:** “Nutrition Intervention in Cardiovascular risk factors”. *The Nurse Practitioners 25th Anniversary Magazine*, 2002, 49-52.
- * **H Hewitt:** “Professionalism: A necessary asset for advanced Nurse Practitioners” *The Nurse Practitioners 25th Anniversary Magazine*, (2002), 35-44.
- * **S Lopez:** “Ethical Responsibilities in Advanced Nursing Practice”. *The Nurse Practitioners 25th Anniversary Magazine*, (2002) 44-48.
- * **H Stewart:** ‘Patient-focused care: Another Look-The Role of the Nurse Manager’ *The Nurse Practitioners 25th Anniversary Magazine*, (2002), 53-59.
- * **Y Wint** “Editorial” *The Nurse Practitioners 25th Anniversary Magazine*, (2002), 4.

PUBLIC SERVICE

Ellen Bailey

- Co-Coordinator, Nurses Association of Jamaica Student Nurses’ competition;
- Executive, UHWI Graduate Nurses’ League;
- Member, Home and Family Life Committee, Methodist Church in Jamaica and the Americas

Marilyn Duff

- Life Member, Equestrian Federation of Jamaica;
- Trainer of trainers, UWIHARP;
- Member, Jamaica Food and Nutrition Society

Hermi Hewitt

- Sub Secretary Home and Family Education Committee, Methodist Church in Jamaica and the Americas;
- Congregational Steward, Vineyard Town Methodist Church;
- Resource Person, Ministry of Health, curriculum development, Enrolled Assistant Nurses;
- Coordinator, Nurses Association of Jamaica Student Nurses' competition;
- Board Member, International Academic Nursing Alliance, Sigma Theta Tau International Nursing Honor Society;
- Committee Member, Friends of Faydene Methodist Home for the Elderly;
- Member, Re-Licensure Committee, The Nursing Council of Jamaica

Eulalia Kahwa

- Committee Member, Kukibo Kids Fitness Club;
- Judge, Nurses Association of Jamaica Student Nurses' competition

Sheryll Lopez

- Judge, Nurses Association of Jamaica Student Nurses' competition;
- Board Member, Heart Foundation of Jamaica;
- Resource Person, Critical Care Special Nursing Education

Syringa Marshall- Burnett

- Senator and elected President of the Senate;
- Member, Executive Committee of the Peoples National Party;
- Editor, The Jamaican Nurse;
- Reviewer, Journal of Advanced Nursing, Blackwell Publication, UK;

- Member, Nursing Council
- Consultant, UHWI School of Medical and Diagnostic Radiography
- Member, Poverty Alleviation Board, Office of the Prime Minister;

Hemsley Stewart

- Judge, Nurses Association of Jamaica Student Nurses' competition;
- President, Board Nurses Association of Jamaica Cooperative Credit Union;
- Member, National Examination Committee for the Regional Examinations, Nursing Council of Jamaica;
- Member, NAJ Selection Committee for the Gertrude Swaby Award for Excellence in Nursing.

Steve Weaver

- Member, Lions Club, St Andrew Chapter

Yvonne Wint

- Secretary, Mount View Parent Teachers Association

CATEGORIES OF STUDENTS

Undergraduate 2002/2003

These students were from Antigua, Bahamas, Barbados, Belize, Grenada, Jamaica, St. Lucia, Montserrat and St. Vincent & the Grenadines.

Programme	Major	Full-time	Pass	Fail	Award	
Certificate	Administration	11	10	1	Honours 4	
	Education	5	5	0	Honours 3	
TOTAL		16	15	1	7	
BScN (post RN)	Education	9	9	–	1 st Class Hon. Upper 2 nd Class Hon.	1 6
BScN (post RN)	Administration	6	5	1	1 st Class Hon. Upper 2 nd Class Hon.	2 2
TOTAL		15	14	1		11
BScN (generic) franchised at Browns Town Community College	Basic Reg. Nursing Prog.	–	–	–	Students have completed the first year and are now prograssing to the 2nd year	
TOTAL	–	26	25	1		
Grand Total		57	29	3	18	

Twenty two (22) students began the first class of the Master of Science in Nursing programme offered in the DANE. The programme was advertised in June and twenty one (21) students were from Jamaica and one (1) from Barbados.

Programme	Major	F/time	P/time	Pass	Incomplete	Status
MScN	Administration	4	2	3	1 full-time	Repeat i course
	Education	5	4	3	2 full-time	Both incomplete due to illness, 1 course outstanding
	Family Nurse Practitioner	6	0	N/A	N/A	Complete first year of 2-year programme
	Mental Health/ Psychiatric Nurse Practitioner	1	0	N/A	N/A	Complete fuirst year of 2-year programme
Total		16	6	6	3	7 cont'd. 2nd year

DISTINGUISHED VISITORS

Professor Simeon McIntosh, Cave Hill Campus, UWI;

Professor Denise Alcock, Visiting Professor, Retired Dean,
Faculty of Health Sciences, University of Ottawa, Canada;

Professor Cynthia Fletcher, Assistant Professor, University of
Alabama;

Professor Joy Branch, Associate Professor, Athabasca University,
Canada;

Professor Elaine Patterson, Associate Professor, University of
Medicine and Dentistry, New Jersey;

Mr. Wayne Branch, CEO, Futuretech Investment Group.

DEPARTMENT OF BASIC MEDICAL SCIENCES

Dr. Oswald R. Simon, BSc, MSc *Lond*, PhD *Howard*
– Head of Department

WORK OF THE DEPARTMENT

Academic year 2002/2003 was a period of significant changes in the department. The most important of these changes was the installation of a new Head of Department and the formation of a management team with a shared vision for the development of each discipline in the department. This new team has begun to develop cohesiveness among the staff in the execution of their duties. As a consequence of this important development in the department, the foundation has been laid for improvement in the undergraduate degree offerings and the research output from the postgraduate students and the academic staff. Evidence of this improvement is reflected in the consolidation of the new curriculum for medical students. The second year of this curriculum was completed without serious problems, although there were challenges with the delivery of some lectures. Other improvements in the department's offerings included the addition of the **Physical Therapy** and the **B.B. Med. Sc. degree programmes**. Although the members of staff welcome the addition of these new programmes, there are concerns that additional funding for them has not yet been allocated. Therefore, the department will be entering a period of severe stress due to inadequate staffing, insufficient laboratory resources and poor maintenance of the physical facilities. Nevertheless, it is hoped that during the new academic year, funding for these programmes will be made available.

In addition to the new programmes, the department continues to offer majors in Biochemistry and Molecular Biology to students from the

Faculty of Pure and Applied Sciences. To a large extent, the emphasis of these majors is on technology related to food crop production, but there are also aspects related to the exploration of molecular processes in mammalian and human tissues as well as bacteria. These features of the Biochemistry majors would be suitably complemented by the curriculum for the new **B.B. Med. Sc. degree** majors. It is expected that these undergraduate degrees will prepare graduates for employment in the Food-Manufacturing and Pharmaceutical Industries as well as in Government Regulatory Agencies and Research Departments. Moreover, these undergraduate degree offerings would contribute to fulfillment of the Strategic Plans outlined by the University.

Our postgraduate offerings also showed significant improvement in terms of the number of students pursuing degrees (80) and the number upgraded from MPhil to PhD degrees (9). These improvements were matched by an increased number of our students who presented research findings at overseas and local conferences. For example, students' presentations were as follows: 4 at CHRC Conference in Bahamas, 2 at Pharmacology Conferences of the Western Pharmacology Society in Canada and the World Congress of Pharmacology in San Francisco USA, 2 at the Diabetes Conference in Paris, 3 at the Molecular Biology Conference in Japan and many more at local research conferences.

These activities of the postgraduate students have placed increased demand for research funding and for financial assistance to attend conferences. Unfortunately, the Department's limited financial resources could not satisfy all the students' demands, however, the School for Graduate Studies & Research helped but the amount of financial assistance needs to be increased significantly.

Among the staff, some notable career advancements have occurred. For example, Professorship was conferred on **Dr. Helen Asemota**, and there were promotions for Mr. Everton Thomas and Miss D. Daley respectively to Chief Laboratory Technologist and Senior Secretary. Other members of the academic staff continued to improve their research activities and professional development through publication of research findings and conference presentations at local and international forums; these are listed in the sections that follow.

Overall, the department is satisfied that it has laid the foundation for growth. We now look forward to the new academic year for improved performance from all of the Sections in the Department.

STAFF AWARDS

Dr. Norma Anderson

- **Research Fellowship** received for the project: “Bacterial Fc-receptors: applications in immunodiagnosis of infectious disease and immunogenecity studies”

Dr. Lauriann Young-Martin

- An award was received to facilitate participation in a Student Assessment Course, held at the University of Dundee, Scotland, UK.

Dr. Wayne McLaughlin

- **Research Fellowship** received for project: “Identification and characterization of insect vector(s) of lethal yellowing (LY) disease of coconuts in Jamaica”.

RESEARCH GRANTS

Dr. Norma Anderson

- **Caribbean Health Research Council (CHRC)** “Production of anti-idiotypic antibodies to HIV peptides for potential use as therapeutic vaccines”. US\$10,000

Dr. Mark Ashby

- **Research and Publications and Graduate Awards** for Mr. S. Shawn Morrison. Project “Target genes for the response regulators RpaA and RpaB and how they are involved in regulation of phycobilisome coupling to PSI and PSII. Identification the cognate histidine kinase(s) for RpaA and RpaB”. US\$1,381 and J\$79,127.
- **Research and Publications and Graduate Awards** for Mrs. Shirley Budall. Project “Role of the DNA-binding response regulators sll 1330 and slr 1584 genes in 6803”. JS\$129,046.20 and US\$918.
- **Research and Publications and Graduate Awards** for Miss Natala Burnett. Project “Sensory transduction in Cyanobacteria; Defining the role of sll 0649 and slr 1783 genes in 6803”. JS\$154,520.39 and US\$818

Professor Helen Asemota

- **Research and Publications and Graduate Awards** for Lowell Dilworth. “The metabolic effects of consumption of sweet potato phytic acid extract in rat models” J\$92,650.76
- **Research and Publications and Graduate Awards** for Simone Earle-Barrett. “Molecular characterization and genetic diversity studies on Jamaican yams (*Dioscorea spp.*)” Ja\$117, 000
- **Research and Publications and Graduate Awards** for Perceval Bahado-Singh “Assessment of the glycemic indices of different yam varieties and other tuber crops in Jamaica and other Caribbean countries”. US\$2,000.

Dr. Paul Brown

- **Caribbean Health Research Council (CHRC)** “Studies on pathogenic mechanisms of *Leptospira* species” US\$6,700.

Dr. Ruby L. Lindo

- **The New Initiative Fund-** “Search for a New Drug for Diabetes and Hypertension: Synthesis of some Novel Nitrovasodilators and Their Effects on Glucose Metabolism and other Haemodynamic Parameters” US \$26,000
- **Research and Publications and Graduate Awards** for Sacha Campbell. “The effect of S-nitrosothiols on blood glucose metabolism and studies on haemodynamic parameters”. US \$2,000
- **Research and Publications and Graduate Awards** for Colleen Salmon. “The isolation of the hypoglycaemic principles in the indigenous plant *Pilea elizabethae*”. US \$2,000

Dr. Wayne McLaughlin

- **Caribbean Development Bank (CDB)** Technical Assistance Program to University of the West Indies “Innovative research partners to enhance hot pepper (*Capsicum Chinese*) productivity in the Caribbean” US\$25,000
- **Coconut Industry Board, Jamaica** “Molecular diagnosis and characterisation of phytoplasmas associated with lethal yellowing disease on coconut palms in Jamaica” US \$20,700

- **Ministry of Agriculture** “Research Services in Plant Pathology for the Citrus Replanting Project” US\$150,000

Dr. Dalip Ragoobirsingh

- **Research and Publication & Graduate Award** – US\$1,556.00
- **Research and Publication & Graduate Award** – US\$2,051.78

Dr. Palanisamy Rajendran

- **“New Research Initiative” funding for the project** “Cardiovascular autonomic function and vasomotor response in diabetic patients”.

Prof. Harvey Reid

- **Award for Graduate Students** – US\$6000.00

Dr. Maxine Gossell-Williams

- **“New Research Initiative funding for project”** Characterization of the Pharmacological activity of plant-derived extracts on vascular smooth muscles” – US\$17,000.00

Dr. Oswald Simon

- **Organisation of American States (OAS):** Grant for the Research and Development of a drug from Ginger for the treatment of Osteoarthritis – J\$560,000.00

Dr. Paul Singh

- **Research and Publication Grant** for the purchase of equipment – US\$1,196.97
- **UWI Graduate Student Research Grants** – US\$7,408.86

RESEARCH IN PROGRESS

Dr. Norma McFarlane-Anderson

- *Preeclampsia (PE)* - The role of genetic predisposition, dietary factors and oxidative stress. Investigation of several biochemical markers in the placenta of women who developed PE.
- *Cervical cancer* - The role of lifestyle and sexual practices, genetic predisposition and oxidative stress in this sexually transmitted infection. Prevalence of Human papillomavirus infection.
- *Diabetes* – Assessment of knowledge of the disease and glycaemic (sugar) control in men and women with diabetes attending the Diabetic Clinic at the UHWI.
- *Nutrition* – Levels and types of phytoestrogens in some common Jamaican foods.
- *Immunology* – Investigation of the use of bacterial Ig receptors in immunological assay techniques and of the development of antibodies with the potential to serve as therapeutic vaccines in microbial infections.

Dr. Mark Ashby

- Signal Transduction in Cyanobacteria: Defining the role of unidentified response regulators in the unicellular cyanobacterium *Synechocystis* sp. PCC 6803.

Professor Helen Asemota

- The effect of bitter yam sapogenin steroidal extract on hypercholesterolemic rats
- Studies on mineral availability from commonly eaten Caribbean food crops
- The metabolic effects of consumption of phytic acid extract from sweet potato in rat models.
- Molecular characterization and study of genetic diversity among Jamaican yams (*Dioscorea spp.*).
- Activity of enzymes associated with digestion in rats fed transgenic and commercial papaya (*Carica papaya*)

- Application of RFDD to determine genes which are differentially expressed as the dormant yam (*Dioscorea spp.*) tuber sprouts.
- Assessment of starch accumulation in *in vitro* derived yam (*Dioscorea spp.*) tubers.
- Characterization of starches from the different Jamaican yams (*Dioscorea spp.*).
- Determination of the glycemic indices of commonly eaten Jamaican foods.

Dr. Paul Brown

- Effect of nitric oxide on signal transduction in diabetes mellitus. (In collaboration with Drs. Ragoobirsingh and McGrowder)
- Characterization of *Pseudomonas* spp. and antibiotic-resistant *Staphylococcus aureus* isolates.
- Seroepidemiology of human leptospirosis in Jamaica. (In collaboration with Dr. C. Lazarus, Ministry of Agriculture, Veterinary Division)

Dr. Kerith Golden

- The biochemical analysis of Noni (*Morinda citrifolia*)
- The isolation and purification of bromelain from *Morinda citrifolia*.
- The analysis of various Jamaican foods (yams, breadfruit, jackfruit and ackee) for phytoestrogen levels

Dr. Ruby L. Lindo

- The isolation and elucidation of the hypoglycaemic principles from *Pilea elizabethae*.
- The effects of S-nitrosothiols on blood glucose metabolism and other haemodynamic parameters. (In collaboration with Prof T. Dasgupta, Chemistry Department, UWI)

Dr. Wayne McLaughlin

- Identification and characterization of insect vector(s) of lethal yellowing (LY) disease of coconuts in Jamaica

- Molecular diagnosis and characterisation of phytoplasmas associated with lethal yellowing disease on coconut palms in Jamaica
- Genetic diversity and evolution of whitefly transmitted geminiviruses. Genetic engineering tomato for resistance to tomato yellow leaf curl virus (TYLCV-Is).
- Use of plant growth promoting bacteria (PGPB) to improve growth and induce resistance in (*Capsicum Chinese*) cv. Scotch Bonnet Pepper to potyviruses.
- Development of a regeneration and genetic transformation system for hot pepper (*Capsicum Chinese*)
- Development and production of genetically engineered scotch bonnet pepper plants that are resistant to the Tobacco Etch Virus (TEV)

Dr. Andrew Pearson

- Environmental remediation; the biosorption of heavy metals to peat
- Protein content of ethanol distillery wastes, and agro-industrial waste survey.

Dr. Dalip Ragoobirsingh

- Molecular signal transduction mechanisms in Diabetes mellitus in normal and diabetic rats.

Dr. Allen Wais

- Bacterial adaptation to climatological conditions - the effect of temperature on the growth of tropical bacteria.

Mr. Michael Gardner

- Marihuana (*Cannabis sativa*) and the male reproductive system.
- Toxicological aspects of the ackee (*Blighia Sapida*)
- Investigation of environmental/dietary factors as they possible relate to Prostatic Cancer
- Surgical Anatomy (Internal Carotid and Coronary Arteries)

- Aspects of Pre-Columbian Archaeology in Jamaica

Dr. Maxine Gossell-Williams

- Long Term examination of the effectiveness of DERMABOND® sutureless wound closure to conventional sutures in the management of facial and upper limb wounds. This project is being done in collaboration with the Department of Surgery, Radiology, Anaesthesia and Intensive Care Emergency Medicine Division.
- Examination of the effect of Pumpkin seed oil on rat prostate
- Examination of the Pharmacology of Canasol, a preparation from Cannabis sativa on isolated blood vessels.

Dr. Lauriann Young-Martin

- The differential neurobehavioural effects of marijuana extract and delta-9tetra-hydrocannabinol in reward/reinforcement on male and female rats subjected to different environmental stressors;
- The differential neuroprotective effects of oestrogen on cognition in ageing male and female rats.

Prof. Harvey Reid

- The role of haemorheological changes in the aetiology and progression of vascular complications in chronic diseases”.
- “Effect of iron on haemoglobin during pregnancy per trimester in relation to foetal outcome”.
- “Effect of iron on abnormal menstrual bleeding (Menorrhagia): A pilot study”
- “Investigation of the role of inflammatory cytokines in the modulation of vascular and endothelial function in diabetes mellitus”.
- “Exercised induced-asthma in young athletes”.

Dr. Oswald R. Simon

- Investigation of the effects of Bioactive Ginger Oil on Adjuvant Arthritis in rats

- A study of dietary methionine-induced hypertension in rats
- Investigation of the anti-diabetic and anti-inflammatory properties of preparations from noni fruit juice.
- Investigation of cholesterol exacerbation of hypertension in rats

Dr. Paul D. Singh

- Pharmacology and toxicology of West Indian medicinal plant extracts.
- Pharmacological mechanisms of apoptosis and cytotoxicity.

Dr. James Mills

- Maturity Onset Diabetes of the Young (MODY) project; in collaboration with Professor Markus Stoffel of the Rockefeller University in New York.

PAPERS PRESENTED

- **Bahado-Singh Perceval S., Andrew O. Wheatley, Helen N. Asemota and Errol Y. St. A. Morrison.** **Book of Abstracts**, “Determination of the glycemic indices of roots and tuber crops of the Caribbean: implications for diabetes mellitus”, Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts pg 6.
- **Barrett, K., D. Ragoobirsingh, D. McGrowder and P. Brown.** “Decreased plasma insulin levels and increased membrane glycoprotein PC-1 phosphodiesterase activity in adipose tissue of Type 2 diabetic rats”. The UWI Diabetes Outreach Project 9th Annual International Conference, March 6-9, 2003, Ocho Rios, Jamaica.
- **Barrett, K., D. McGrowder, P. Brown and D. Ragoobirsingh.** “The effect of nitric oxide released from streptozotocin on PC-1 phosphodiesterase activity in a Type 2 Diabetes Model”. Caribbean Health Research Council 48th Annual Council and Scientific Meetings, April 30- May 2, 2003, Nassau, Bahamas.
- **Bazuaye, P., M Jackson, MF Smikle, H Fletcher, C Rattray, N McFarlane-Anderson.** “Cervical dysplasia and use of

hormonal contraceptives in Jamaican women”. *WIMJ* 2002; **51**: 30.

- **Bazuaye, P., M Jackson, M F Smikle, H Fletcher, C Rattray, N McFarlane-Anderson.** “Hormonal contraception and cervical dysplasia in Jamaican women”. *WIMJ* 2003; **52**: 36.
- **Brown, P.** “Antibiotic Resistance in clinical isolates of *Staphylococcus aureus* and *Pseudomonas aeruginosa* from south-central Jamaica”; Caribbean Health Research Council Meeting, Nassau, Bahamas, April 30 - May 4, 2003
- **Brown, P.** “The effect of nitric oxide released from streptozotocin on PC-1 phosphodiesterase activity in a type II diabetic model”; Caribbean Health Research Council Meeting, Nassau, Bahamas, April 30 - May 4, 2003
- **Campbell, S., R.L Lindo, Tara Dasgupta.** “The Effect of S-Nitrosocaptopril on Blood Glucose Metabolism and Studies on Haemodynamic Parameters”. Sixth Conference of the Faculty of Pure and Applied Sciences pg 82
- **Crawford-Brown, T.** “Poverty, Obesity and Diabetes: A Social-Medical Dichotomy.” Caribbean Studies Association Conference, May 26-30, 2003, Belize.
- **Dilworth, Lowell L., Felix Omoruyi, Helen Jacobs, Errol Y. Morrison and Helen N. Asemota.** “Anti-Nutritional factors and mineral contents in some Caribbean tuber crops: Effects of Processing”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona March 18-20, 2003 pg.76
- **Dilworth Lowell L., Felix O. Omoruyi, Andrew O. Wheatley, Errol Y. St. A. Morrison and Helen N. Asemota.** “Blood glucose and faecal minerals in rats fed phytic acid extract from sweet potato (*Ipomea batatas*)” 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 17.
- **Dilworth Lowell L., Felix O. Omoruyi, Errol Y. St. A. Morrison and Helen N. Asemota.** “Effects of consumption of phytic acid extracts from sweet potato (*Ipomea batatas*) on some digestive enzymes, blood glucose and lipid distribution in rats”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts pg 19

- **Earle-Barrett, Simone T. ,Kathleen Lobban, Andrew O. Wheatley and Helen N. Asemota.** “Genetic variation and cultivar identification of *Dioscorea alata* using Random Amplified Polymorphic DNA and Amplified Fragment length Polymorphism”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 78
- **Golden K.** “Postharvest Technology – Controlling the Ripening Process”. Northern Caribbean University (Mandeville)-2002.
- **Golden, K.** “Ethylene biosynthesis in tropical fruits, controlling the ripening process via postharvest technology”. University of the West Indies. Proceedings of the Sixth Conference, Faculty of Pure and Applied Science. (2003)
- **Hunt, R., N McFarlane-Anderson.** “Heat shock protein 70 and tumour necrosis factor alpha polymorphisms in Jamaican women with preeclampsia”. *WIMJ* 2003; **52**: 50.
- **Justiz Vaillant, A., MF Smikle, N McFarlane Anderson.** “Novel interactions between Streptococcal protein G (SpG) and immunoglobulins”. *WIMJ* 2002; **51**: 31.
- **J.M. Menzie and M. T. Gardner.** “Induction of breast tumor in rats for assaying Natural Products for anti-tumor properties”. 2nd International Conference on Natural Products at Clinical Research Centre, National University of Singapore, July 2002.
- Santos, A.L **Gardner, M.T.** Allsworth-Jones, P. “Possible case of Treponematosi in a Taino/Arawak Skull from Jamaica”. VIII Simposio de Antropologia Fisica “Luis Montane”, Havana, Cuba, February 24-28, 2003 (poster presentation).
- Santos, A.L. **Gardner, M.T.** Allsworth-Jones, P. “Possible case of Treponematosi in a Taino/Arawak Skull from Jamaica”. XIV European Meeting of Paleopathology Association, Coimbra, Portugal, August 28-31, 2002 (poster presentation).
- **Michael T. Gardner and Tik L. The.** “Ultrastructural Changes observed in Murine Leydig Cells resulting from administration (*in vivo*) of Jamaican Hashish Oil (*Cannabis sativa*), with correlations to preliminary fertility studies”. International Cannabinoid Research Society, 13th Annual Symposium on the Cannabinoids, Cornwall, Ontario, Canada, June 25-28, 2003.

- **Lawrence T. G. and W. A. McLaughlin.** 2002. "Use of bacterial inoculants to enhance productivity of field grown Scotch Bonnet peppers (*Capsicum Chinense*)" The Jamaican Society for Agricultural Sciences (JSAS) 13th Annual Conference July 18-19, 2002.
- **Levy, N., A Wierenga, H Fletcher, N McFarlane-Anderson.** "Blood pressure, nitric oxide levels and the Glu298Asp variant of endothelial nitric oxide synthase and preeclampsia in Jamaican women". WIMJ 2003; **52**: 36.
- **Lobban, Kathleen S., Andrew O. Wheatley, G. Osuji and Helen N. Asemota.** "Application of RFDD in the Determination of Genes triggered during the sprouting of yam tubers (*Dioscorea sp.*)" Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 51
- **Lobban Kathleen S., Andrew O.Wheatley, Kerith Golden and Helen N. Asemota.** "A comparison of some biochemical changes occurring in *ex vivo* and *in vitro* development process in *Dioscorea* yams". Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts pg 11
- **McAnuff, Marie M., Felix O. Omoruyi, Michael T. Gardner, Errol Y. Morrison and Helen Asemota.** "Intestinal morphoetric alterations in streptozotocin-induced diabetic rats fed bitter yam (*D. polygonoides*) sapogenin extract". Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 82
- **McAnuff Marie A., Felix O. Omoruyi, Errol Y. St. A. Morrison and Helen N. Asemota.** "Oxidative stress and liver function enzymes in streptozotocin induced diabetic rats fed Jamaican wild yam (*Dioscorea spp.*) steroidal sapogenin extract" 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 16.
- **McGrowder, D., D. Ragoobirsingh and T. Dasgupta.** "Search for new nitric oxide releasing drugs which are useful in the treatment of hypertension and their possible involvement in the aetiology of non- insulin dependent Diabetes mellitus". Scientific Research Council 16th Annual National Conference, November 28-30, 2003, Kingston, Jamaica, West Indies

- **McGrowder, D., D. Ragoobirsingh, K. Barrett and P. Brown.** “PC – 1 Phosphodiesterase activity in a Type 2 Diabetic Model. XIX” International Congress of Biochemistry and Molecular Biology, July 20-24, 2003, Toronto, Ontario, Canada.
- **Myrie W. M. Dollet, W. McLaughlin and B. Been** 2003. “Study on the diversity of phytoplasma associated with lethal yellowing”. Pan American Plant Disease Conference, South Padre Island, Texas, USA April 6-10, 2003.
- **Omoruyi, Felix O., Marie A. McAnuff, Errol Y. St. A. Morrison and Helen N. Asemota.** “Exploitable potentials of sapogenin extract from Jamaican bitter yam (*D. polygonoides*) in the management of diabetes mellitus”. *WIMJ*. 52 (suppl. 2): 38
- **Powell, Melissa P., Andrew O. Wheatley, Paula F. Tennant, Denis Gonsalves, Felix O. Omoruyi, Helen N. Asemota and Mohammad H. Ahmad.** “The effects of consumption of coat protein transgenic papaya (*Carica papaya* L.) on liver and kidney enzymes function in rats”. *WIMJ* 52 (Suppl. 41): 18
- **Powell, Mellisa P., Andrew O. Wheatley, Paula F. Tennant, Felix O. Omoruyi, Helen N. Asemota, Dennis Gonsalves, Errol Y. Morrison and Mohammad Ahmad.** “Effects of consumption of transgenic papaya (*Carica papaya* L.) on rat intestinal disaccharidases”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 48
- **Powell Melissa P., Andrew O. Wheatley, Paula F. Tennant, Denis Gonsalves, N Williams, Helen N. Asemota and Mohammad H. Ahmad.** “The effects of consumption of transgenic papaya (*Carica papaya* L.) on the morphology and enzyme function of the liver and kidney of rats”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts, pg 18
- **Riley, Cliff K., Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad and Helen Asemota.** “Morphological Characterization of Starches Extracted from six Jamaican Yam (*Dioscorea spp.*) species”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona March 18-20, 2003 pg.76

- **Riley Cliff K., Perceval S. Bahado-Singh, Andrew O. Wheatley, Helen N. Asemota, Errol Y. St. A. Morrison and Mohammad H. Ahmad.** “Effect of amylose content on the *in vitro* digestibility”. *WTMJ* 52 (suppl. 2): 39
- **Riley Cliff K., Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad, Errol Y. St. A. Morrison and Helen, N. Asemota.** “In vitro digestibility of starches from yams (*Dioscorea spp.*) grown in Jamaica: a condition for glucose availability”. 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 17
- **Riley Cliff K., Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad and Helen N. Asemota.** “Characterization of some Jamaican yam (*Dioscorea spp.*) starches for industrial exploitation purposes”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts, pg 10.
- **Salmon, C., R L Lindo and Kerith Golden.** “The isolation and elucidation of the hypoglycaemic principles of the indigenous Jamaican plant *Pilea elizabethae*”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona March 18-20, 2003 pg 78
- **Wheatley Andrew O., Mohammad H. Ahmad, Errol Y. St. A. Morrison and Helen N. Asemota.** “Biotechnological improvement of tuber crops for wealth and wellness amongst Caribbean people”. 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 21.
- **Gossell-Williams M., Simon O., West M.** (April, 1-15, 2003). “Selectivity of choline for M1, M2 and M3 muscarinic receptor subtypes and evidence of the involvement of other muscarinic receptors in the control of atrial frequency”. FASEB 2003 Experimental Biology, “*Translating the Genome*” San Diego, California, USA.
- **Young-Martin L.** “The gonadal hormonal differences in learning/memory” 32nd Annual International Conference of the Society for Neuroscience (SfN) Orlando, USA, November 4-8, 2002.
- **McKoy M., Omoruyi F., Simon O., Asemota H.** “Investigation of the effects of phytosterol-rich preparation from

Jamaican yam on blood cholesterol levels in rats” Western Pharmacology Society Conference, Nevada, USA, February 2-6, 2003.

- **Gray, M. and Singh, P.D.A.** “Investigation of the effects of extracts of *Manilkara zapota* (L). P. Van Royen on blood pressure and heart rate of rats”. 6th Annual Conference, Caribbean Association of Researchers and Herbal Practitioners, UWI, St. Augustine, June 2003
- **Singh, P.D.A.** “Pharmacogenomics (Plenary Lecture)”. 8th Annual Conference Commonwealth Pharmaceutical Association, Ocho Rios, Jamaica, August 2003.

PUBLICATIONS

Refereed

- * **Ashby, Mark, Jean Houmard and Conrad W. Mullineaux.** 2002. The yc27 genes from cyanobacteria and eukaryotic algae: Distribution and implication for chloroplast evolution. *FEMS Microbiology Letters*: 214: 25-30
- * **Brown, S., W. McLaughlin, I. Torres Jerez and J. K. Brown.** 2002. Identification and distribution of *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) haplotypes in Jamaica. *Tropical Agriculture (Trinidad)* (2002) 79: 140 - 149
- * **Golden, K D., O J Williams and Y Bailey-Shaw.** 2002. High-performance liquid chromatographic analysis of amino acids in ackee fruit with emphasis on the toxic amino acid hypoglycin. *Journal of Chromatographic Science* 40: 441-446.
- * **McAnuff, Marie A., Felix O. Omoruyi, Errol Y. St. A. Morrison and Helen N. Asemota.** 2002. Plasma and liver lipid distributions in streptozotocin-induced diabetic rats fed sapogenin extract of the Jamaican bitter yam (*Dioscorea polygonoides*). *Nutrition Research* 22: (13) 1427-1434
- * **McGrowder, D., D. Ragoobirsingh and T. Dasgupta.** 2002. The enhancement of the hyperglycaemic effect of S-nitrosoglutathione and S-nitroso-N-penicillamine by vitamin C in animal model. *Biomedical Central Pharmacology* 2002, 2: 1-9

- * **McGrowder, D., Dalip Ragoobirsingh and Tara Dasgupta.** 2002. Decreased insulin binding to mononuclear leucocytes and erythrocytes from dogs after S-Nitroso-N-Acetypenicillamine administration. *Biochemistry Central Biochemistry* 3:1-15
- * **Wheatley, A.O., Ahmad, M.H and H. N. Asemota.** 2003. Development of salt adaptation in in-vitro greater yam (*Dioscorea alata*) plantlets. *In Vitro Cell Dev. Biol.* (2003) - Plant **39**: 1-8.
- * **Wheatley A.O., Iyane O.A and H. N. Asemota.** 2002. Effect of the section of yam tuber (*Dioscorea cayensis*) used in minisett on the biochemical properties of yam resultant tuber. *Journal of the Science of Food and Agriculture* 82: (13) 1579-1583
- * **Williams, Opal J. G. S. V Raghavan, Kerith D. Golden and Yvan Gariépy.** 2003. Post-harvest storage of Giant Cavendish bananas using ethylene oxide and sulphur dioxide. *Journal of the Science of Food Agriculture* 83:180-186
- * **Williams Opal J. and Kerith D. Golden.** 2002. Purification and characterization of ACC oxidase from *Artocarpus altilis*. *Plant Physiol.Biochem.* 40: 273-279
- * **Ragoobirsingh, D., Donovan McGrowder, Errol Y. Morrison, Pauline Johnson, Eva Lewis-Fuller and John Fray.** 2002. The Jamaican hypertension prevalence study. *Journal of the National Medical Association* 94: (7) 561-565
- * Kerwin R, Travis MJ, Page CP, Hoffman BB, Walker MJA, **Simon OR** and Moore PK. Drugs and the Nervous System (Chapter 14). In: Page C, Curtis M, Sutter M, Walker M and Hoffman B, editors of *Integrated Pharmacology* (second edition). Published in London by Mosby-Wolfe; 2002: 219-280.
- * **McKoy M.G., Thomas E.A., & Simon O.R.** Preliminary investigation of the anti-inflammatory properties of an aqueous extract from *Morinda citrifolia* (Noni). *Proc. West Pharmacol. Sec.* 45: 2002: 76-78.
- * Frayling, TM, Lindgren EM, Cherre JC, Menzel S, Wishart M, Benmezruea Y, Brow A, Evans JC, Rao PS, Dian C, Lecoer C, Kaminen T, Almgren P, Bulman MP, Wang Y, **Mills J**, Wright-Pascoe R, Machtani MM, Prisco F, Costa A, Cognet I, Hansen

T, Pedersen O, Ellard S, Tuomi T, Groop LC, Froguel P, Hattersley AT and Vaxillaire M. A genome-wide scan in families with Maturity Onset Diabetes of the Young: Evidence for further genetic Heterogeneity. *Diabetes* 52, 2003: 872-881.

Non-refereed

- * **L.E. Young** and **L.C. Benjamin** (2002). Accumbens Modulation of Associative Learning varies with the Estrous Cycle, combined Estrogen and Progesterone treatment and Dopaminergic Agonists. *Society for Neuroscience Abstracts Viewer*, 379.15, 2002.
- * **L.E. Young** (2002) “The Neurobiology of Drug Addiction: Neurophysiological and Behavioural Mechanisms associated with addiction” in *Research for Development 2003 Publication – Mona Campus Research Fellowship Programme*, p. 29.
- * **Singh, P.D.A.** Cardiovascular effects of Stachydrine, an Alkaloid Isolated from *Cleome viscosa* L. *Pharmacologist*: 44(2), A 147, 2002.
- * **Gray, M.** and **Singh, P.D.A.** Effects on blood pressure of extracts of plants used in folklore medicine to treat hypertension. *WIM J.*: 57(S4), 31, 2002.

PUBLIC SERVICE

Dr. N. Anderson

- CAFFE observer, General and Local Elections
- Member, International Proxy Parents – Education Committee

Professor H. Asemota

- UN-FAO International Consultant for Biotechnology to the Republic of Tajikistan

Dr. P. Brown

- Youth Camp Director, Pentecostal Gospel Temple Youth Ministry Camp

Mr. M. Gardner

- Immediate Past President, Jamaican Historical Society and Member of the Executive Committee

Dr. W. McLaughlin

- Board Member, Scientific Research Council (Jamaica)
- Member, National Coordinating Committee (NCC) of the National Bio-Safety Framework Project – UNEP-Global Environmental Framework (GEF)
- Member, Jamaica Journal Editorial Committee
- Member, Scientific Advisory Committee – Natural Products Institute, UWI
- Member, Steering Committee Fulbright Alumni Association of Jamaica
- Member, PROCICARIBE – CAPGERNet Working Group (Plant Genetic Resources)
- Member, National Commission on Science and Technology, Jamaica - Biosafety Committee

Dr. D. Ragoobirsingh

- Consultant – Diabetes and Metabolism: Diabetes Association of Jamaica,
- Consultant Diabetes Educator: International Diabetes Federation, Brussels, Belgium.

Dr. M. Gossell-Williams

- Secretary, Home School Association of Sts. Peter and Paul Preparatory School.
- Parent Representative of Students Welfare Committee of Sts. Peter and Paul Preparatory School (Kindergarten)
- Vice President, Alpha Alumnae Association
- Director, Optimist Club of North St. Andrew, Jamaica

Dr. P. Rajendran

- Member, Indian Cultural Society of Jamaica

Dr. O. Simon

- Member, Science and Technology Technical Advisory Committee for Evaluation of the Organisation of American States (OAS) projects in Jamaica
- Observer, Technical Advisory Committee for the CARICOM Drug Test Laboratory

Dr. P. Singh

- Member, Poison Information Network Management Committee of UTECH Environmental Health Foundation (Blue Cross of Jamaica).

UNDERGRADUATE DEGREE

BSc Biochemistry Programme:

In the BSc degree programme, the Biochemistry Section offered the following courses to students of the Faculty of Pure and Applied Sciences:

BB10A (233 students) BB10B (234 students), BC21C (58 students)
BC21D (55 students), BC21M (54 students) BC31M (33 students)
BC34B (40 students)
BC34C (46 students), BC34D (39 students), BC35A (39 students)
BC35C (42 students)
BC35D (40 students) BC36A (15 students), BC35F (35 students).

Of those students who took the final examination in Biochemistry, the following is a summary of the results:

Single Major

Biochemistry Honours	–	18 Pass; 1 First Class
Biotechnology Honours	–	6 Pass; 1 First Class

Double Major

Biochemistry & Chemistry Honours	–	3 Pass; 1 First Class
Biochemistry & Zoology Honours	–	7 Pass; 1 First Class

Major and Minor

Biochemistry & Zoology (major) (minor)	–	1 Pass
--	---	--------

B. Med. Sc./MBBS. Medical Programme

Two (2) year-long integrated courses were pursued in the Medical Programme and the following is a summary of the results:

MB111 (Class of 2007): One Hundred and Ten (110) students took the examination associated with this year-one course. Ninety-Six (96) students passed the examination and 14 failed. All of the students will proceed to the second year of the programme.

MB222 (Class of 2006): One Hundred and Five (105) students took the examination associated with this second year course. Ninety-Two (92) students passed the examination and 13 failed. However, the entire class will proceed to the junior clerkship rotation phase (year 3) of the degree programme.

Postgraduate Degree Programmes

Eighty (80) students are pursuing the following postgraduate research degrees in the department:

	Ph.D	M.Phil	Total
Anatomy	1	1	2
Biochemistry	14	33	47
Pharmacology	3	17	20
Physiology	3	8	11

Included in the numbers above are the following students who have submitted Theses for examination:

Sherlene Brown	–	PhD Biochemistry
Marie McAnuff	–	PhD Biochemistry
Idongesit Obiefuna	–	PhD Physiology
Angel Justiz-Vaillant	–	PhD Biochemistry
Winston Young	–	MPhil Biochemistry
Shelly McFarlane	–	MPhil Biochemistry
Garth Dawkins	–	MPhil Biochemistry
Karlene Barrett	–	MPhil Biochemistry
Michelle Henry	–	MPhil Biochemistry

Postgraduate Degrees Awarded

Mrs. Audrey Jacob	–	MPhil Pharmacology
Miss Tricia Lawrence	–	MPhil Biochemistry

DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY

Professor Brendan C. Bain, BSc, MB BS (Hons.), DM,
MPH, Dip Med Ed – Head of Department

WORK OF THE DEPARTMENT

Introduction

This department is mainly responsible for introducing students to primary health care, preventive medicine and the mental health disciplines. Our undergraduate and postgraduate curricula have recently been strengthened to include more deliberate exposure to the principles and practice of health research.

This year saw the commencement of the **Doctor of Philosophy [PhD (Clinical Psychology)]** programme and the launch of a specialty track in **Health Promotion** as an option for Master of Public Health students. We have continued to build partnerships in teaching and research with other academic departments across the university and with other universities. The multidisciplinary, cross-faculty **UWI HIV/AIDS Response Programme (UWI HARP)**, which has its base in the Department of Community Health & Psychiatry, has gained strength with the appointment of three members of academic staff and a senior secretary. Greater interest is being shown in the training programmes for 'Pre-hospital' Emergency Medical Technicians (EMTs), with members of the local police among the new graduates of our certificate programme. A critical part of the Department's mission is to maintain contact with grass-roots communities outside of the university and links with governments and non-government organizations. Public service and outreach projects to the elderly in Jamaica and in the inner city community of Rema, Trench Town, Kingston via the **"Oasis**

Restoration project”, have continued. In addition, a new violence risk reduction program has been established in the Grants Pen Region in collaboration with the Kingston Restoration Project. The Section of Psychiatry has played a prominent part in a new Task Force initiative in Forensic Mental Health, Crime and Violence, and has continued to help shape the development of the substance abuse program in Jamaica through its involvement with the National Council for Drug Abuse. This year, a team from the Section of Psychiatry was honoured to accept an invitation from the Pan American/World Health Organization to be one of only five groups helping to establish a Latin American and Caribbean Network on Mental Health Services Research.

A. Undergraduate Medical Programme

The members of our academic team have continued to be actively involved in the development and implementation of curricula for medical students. A new module in Health Management has been developed for third year students in the Bachelor of Medical Sciences (B.Med.Sci.) programme. Several “special study modules” have been designed as optional short courses for students. The themes of these modules have included: care of the elderly, protection of the health of the public at ports of entry and the epidemiology of HIV/AIDS. The Department has also collaborated in establishing a joint community health and mental health training program for third year students.

As in previous years, fourth year MBBS students doing their clerkships in Community Health were supervised in designing, analyzing and reporting of quantitative research projects. Studies were conducted in a variety of community settings. The students valued the experience, although time constraints prevented them from gaining greater experience in the use of rigorous methods of sampling. Despite the drawback of time, a group of students under the tutelage of the Department, received an international research award for a cross-sectional study of knowledge, attitudes, beliefs and practices regarding HIV/AIDS among their fellow-students at UWI.

The fourth year MBBS clerkship in Psychiatry has been redesigned to emphasize a phenomenological approach to psychopathology, greater emphasis on problem based learning, and a wider exposure to community mental health. The end of clerkship examination has also been reorganized as an Objective Structures Clinical Examination in keeping with the new format of the final MBBS examination in Medicine.

Since March 2003, twelve first/second year- and 20 final year- medical students were trained and tested in Cardiopulmonary Resuscitation (CPR), using American Heart Association guidelines. This programme was organized at the request of the students. The Department has begun to advocate for CPR and basic life support skills (BLS) to be included in the curriculum for all medical students.

B. Graduate Programmes

1. Section of Psychiatry

Doctor of Medicine, Psychiatry

In June 2003, one person was successful in the Part I examinations of the DM (Psych) Examination, two persons passed the DM (Psych) Part II examination, and five persons were successful in the DM (Psych) Part III examination. Dr Gillian Lowe was awarded the Eli Lilly Prize for the best Part II candidate. Two students entered the DM (Psych) programme in September 2002.

Master of Science (MSc) in Clinical Psychology

This collaborative programme between the Psychology Unit, Department of Sociology, Psychology and Social Work and the Section of Psychiatry continues to attract applicants. The program is situated and taught in the Section of Psychiatry and now has 12 first year and 11 second year students.

Master of Philosophy/Doctor of Philosophy (MPhil./PhD) in Clinical Psychology

Six students began this programme. Of these, five students have been pursuing mandatory courses of the MSc Clinical Psychology program in order to complete their entry requirements.

Masters Degree in Activity Therapy – proposed new programme

This program is in the developmental stage and is intended to be a multi-disciplinary, cross-faculty programme.

2. Section of Community Health

Master of Public Health (M.P.H.)

A new track in Health Promotion has been launched in the Master of Public Health degree programme, with eight students enrolling. Through this programme we have received a boost in our teaching staff with Dr Nancy Muturi, Health Communication Specialist based in the Caribbean Institute of Media and Communication and Dr Sanjana Bhardwaj, Health Behaviour specialist from the UWI HARP programme playing active roles. The John J. Sparkman Centre for International Public Health Education, University of Alabama at Birmingham is collaborating with us in strengthening the programme.

In November 2002, 25 students graduated with the Master of Public Health degree. Dr James W Lea, Director, Intrah, School of Medicine, University of North Carolina at Chapel Hill and a Member of the PAHO Expert Group on Strengthening Public Health Action in the Americas, was again appointed to serve as External Examiner.

The MPH Selection Committee met in May 2003 to consider applications for the academic year 2003-2004. Of these, 70 persons were recommended to the Board of Graduates as suitable candidates to read for the degree in the new academic year.

Master of Philosophy/Doctor of Philosophy (MPhil/PhD) in Public Health

Monthly meetings continue to be held at the department with twelve MPhil/PhD (Public Health) students. Supervisor's Reports on these students, giving brief outlines of their progress, are forwarded to the Assistant Registrar, Graduate Studies & Research every 6 months. One MPhil candidate and one PhD candidate submitted final reports during the year.

Master of Science/ Doctor of Medicine in Family Medicine

The mixed mode (face-to-face and distance learning) Master of Science (M.Sc.) in Family Medicine received a second intake of 5 students and saw 12 of the 13 students who had enrolled in the previous year continuing in the programme. We are grateful for substantial help from the UWI Distance Education Centre (UWIDEC) in formulating the distance learning modules.

The first formal OSCE exam was held in June 2003, with several local physicians serving as Internal Examiners and Dr John Wiecha from the Boston University School of Medicine serving as External Examiner.

C. Other courses offered in the Department

Course in Community Care of the Elderly

Fifteen students participated in the Year 2003 Regional Course on “Community Care of the Elderly in the Caribbean” which was held from January 28-June 27, 2002. Students were from Anguilla (2), Antigua (1), the Bahamas (1), the British Virgin Islands (1), Montserrat (2), St Vincent & the Grenadines (1), and Jamaica (12). All participants graduated at the end of the course, with seven earning distinctions.

Second Annual Course on Infectious Disease Surveillance and Control in collaboration with University of Alabama at Birmingham.

This course was held in August 2002 and was attended by graduate students from the University of Alabama (UAB) and the University of the West Indies and by technical staff of the Jamaican Ministry of Health. The course consists of a mixture of classroom lectures and field work. Like in previous years, Faculty were from UAB, Texas Tech University, the UWI Department of Community Health & Psychiatry and the Jamaican Ministry of Health. Several students from UAB were from African and Asian countries and this afforded all participants a unique opportunity for cross-cultural exchange.

Courses for training of ‘Pre-Hospital’ Emergency Medical Technicians

During the academic year, 78 ‘Pre-hospital’ Emergency Medical Technicians (EMTs) and 26 ‘First Responders’ were trained and certified through a programme of short courses with a heavy emphasis on teaching and practicing hands-on skills.

The Government of Jamaica through the Ministry of Health and the National Fire Services have invested in this type of training for their staff. A small number of quasi-Governmental agencies, including the Airports Authority of Jamaica and certain private enterprises have also sent members of their work force for EMT and First Responder training. In

October 2002 a four day recertification workshop was conducted at the Jamaica Aluminium Company (JAMALCO) for that Company's EMTs, while in March 2003, company staff received training in Cardiopulmonary Resuscitation (CPR).

Training program in mental health for health workers of the Jamaican Ministry of Health

In July, the Section of Psychiatry commenced a three-month training program for 2,300 health workers including community health aides, midwives, nurses, mental health officers, nurse practitioners, and medical officers, in contemporary mental health care. This training program is being conducted for the Jamaican Ministry of Health and is funded by a grant of J\$6 million from the Inter American Development Bank.

Visiting International Student Electives

1. Dr. Alphonso Posa, 3rd year Resident exchange from the University of Madrid, January – March 2003 in the Section of Psychiatry
2. Two final year medical students, Eric Stomrud and Hanna Blank Lund from Lund University in Sweden spent a five week elective in community psychiatry in the Section of Psychiatry in May 2003.

D. Section of Psychiatry Distinguished Lecture Series

This special series of lecture/discussions, which was started in September 2001, continued with presentations from Professor Stan Kutcher, Professor of Psychiatry of the University of Dalhousie, Halifax Canada, and by Dr. Rahn Bailey, Associate Professor of Psychiatry of the University of Texas in Houston USA. The series of lectures has been well received and is an on-going activity.

RESEARCH IN PROGRESS

- Older Men's Issues. Eldemire-Shearer D, Morris C.
- Age-friendly guidelines – a multicountry study. Eldemire-Shearer D, Paul T, Holder-Nevins D.

- Study of “Developing Integrated Response of Health Care Systems to Rapid Population Ageing” (INTRA) World Health Organization, Multi-country Study 2002. Eldemire-Shearer D, Morris C, Paul T.
- Ethnographic Study of Centenarians in Jamaica. Eldemire-Shearer D, Morris C.
- Economic Contribution of Seniors to Development. Eldemire-Shearer D, Gayle P.
- A randomized double blind placebo controlled trial of a combination of Ginkgo biloba and ginseng (gincosan) in dementia of varying etiology. F.W. Hickling, A. Ward, D. Eldemire. Sponsored by Pharmaton Natural Health Products (Boehringer Ingelheim) Switzerland.
- Impact of Cockroach Infestation on the Development and Severity of Asthma in Children. Scarlett H, Pierre R, Pinnock M, Robinson R, Bailey K
- Prostate cancer and dietary intake in Jamaican males. Paul T, Jackson M..
- Workplace Violence in the Health Sector. Jackson M.
- Under-registration of deaths in Jamaica: 1998 and 1996. McCaw-Binns A, Holder Y, Spence K, Gordon-Strachan G, Nam V, Ashley D.
- Manchester Health and Lifestyle survey, in collaboration with Southern Regional Health Authority of Jamaica and the Japan International Cooperation Agency. Jackson M.
- Workplace violence in the health sector, in collaboration with the Jamaican Ministry of Health and the Pan American Health Organization. Jackson M.
- A comparison of total lymphocyte counts and CD4 counts in patients with HIV disease. Bain B., Sebro A, Asnani M, Reid M.
- An assessment of the readiness of Jamaican doctors to receive further training in HIV/AIDS care. Bain B, Reid M.

- Jamaican Pharmacists and HIV/AIDS – A KAP and Needs Assessment Study. Bain B., McGaw A, Ramsay H, Reid M, Vassell S.
- A study to estimate the incidence and prevalence of HIV/AIDS among teachers and students in Jamaica's education sector. Bailey W, McCaw-Binns A.
- Caribbean women and their children – Case studies from Jamaica and Trinidad. Falloon DE.
- A study of the use of open medical wards versus specialist psychiatric units for treatment of patients with acute psychoses. Hickling FW, Abel W, Garner P. Cochrane Library (Oxford) collaboration
- Measuring the Comorbidity of Substance Abuse, Violence, Psychopathology, Help-Seeking Behavior, and Attitudes Toward Substance Abuse, Violence, Mental Illness and the Afflicted: Lambert M, Samms-Vaughn M, Hickling FW.
- A ten-year outcome study of first contact schizophrenia in Jamaica. Haynes T, Hickling FW.
- Perinatal factors in schizophrenia in Jamaica. Williams K, Leiba J, Samms-Vaughn, M, Jones PB, Hickling FW
- Comparing the efficiency of Community Mental Health services in two parishes in Jamaica. Hickling FW, Ottey FO, Gooden C, Lowe G.
- Comorbidity and depression in medical clinics at the the University Hospital of the West Indies. Abel W, De La Haye W, Denbow C, Barton E, Hickling FW.
- Review of forensic services in Jamaica 1995-2002 Abel W, Hickling FW
- Suicide in Jamaica 1996-2002. Abel W, Hickling FW.
- Sociodemographic Characteristics of Deportees in Community Residential Facilities. Morgan K, Robertson-Hickling HA, Abel W.

- Outcome of homeless persons with mental illness, treated in two intervention programmes in Jamaica. Abel WD, Mc Callum MM, Hickling F W.
- Cross-Cultural comparison of sexual and romantic jealousy in Senegalese and Jamaican women. Diongie, Morgan K.
- Effects of Music on Learning and aggression. Chung R, Morgan K.
- Using art as a diagnostic tool for mental illness. Morgan K, Chung R.
- Evaluating the relationship between physical affection and violence. Reid K, Morgan K.
- Case study analysis of behavioural intervention for self-induced rectal prolapse. Pitter T, Mitchell, Guthrie-Smith, Morgan K.
- Evaluation of a multidisciplinary cultural therapy team approach as a risk-reduction intervention in violence and high-risk behaviours at an inners-city school in Kingston Jamaica. Morgan K, Gibson R, Chung R, Hickling FW. Funded by Planning Institute of Jamaica Research Grant for J\$1.8M.
- History of Safe Motherhood in Jamaica: from slavery to present. McCaw-Binns A.
- Health, development and behaviour of Jamaica's adolescents at 15-16 years. Jackson M.
- Impact of the Family Medicine component on third-year students during their Community Health rotation. Williams-Green P., Mc-Caw-Binns A
- The effect of a redesigned teaching curriculum on medical students' performance in the final examination at the University of the West Indies. Abel WD, Morgan KAD, Hickling FW
- A comparison of the Objective Structured Clinical Examination results across campuses of The University of the West Indies. Hickling FW, Morgan KAD, Abel WD, Denbow CE, Ali Z, Nicholson GD, Sinqee C

- Evaluation of screening, referral and early childhood interventions for children 0-8 years old at risk for under- and over-nutrition and poor growth in Jamaica. Jackson M.
- The contribution of diet to prostate cancer in Jamaica: a case-control study. Funding: Michigan State University
- Literacy and health seeking behaviour of parents with children attending clinic at the Community Health Centre. Laws-Gascoigne H O, Matthews A M P
- Non-compliance issues of hypertensive patients attending Hermitage August town Health Centre. Laws-Gascoigne HO, Falloon DE.
- A descriptive study to look at the role of Community Education in the delivery of Primary Health Care, with a focus on the Community Health Aides. Matthews A.
- A look at the relationship between Age and Co-morbidity in the Primary Health Care Centre attached to the Department. Matthews A.
- The Direction and Development of Pre-hospital Emergency Medical Services in Jamaica. Segree W.
- Beyond the Music influencing thoughts on sexuality among adolescents. Holder-Nevins D.

PAPERS PRESENTED

- “Evaluation of community treatment programmes for the homeless mentally ill in Jamaica”. **Abel W**, Lewis E, McCallum M, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica, November 6-8, 2002..
- “Evaluating the impact of redesigning the psychiatric undergraduate curriculum on medical students’ performance in the final MBBS Examination at The University of the West Indies, Mona”. **Abel W**, **Morgan K**, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica, November 6-8, 2002.
- “Outcome of homeless persons with mental illness, treated in two intervention programmes in Jamaica”. Abel WD, **McCallum**

MM, Hickling FW. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.

- “An assessment of the readiness of Jamaican doctors to receive further training in HIV/AIDS care”. **Bain B.** and Reid M. Joint Meeting of US Health Resources and Services Administration and the Institute for Health Care Improvement, Arlington, Virginia, USA. September 2002.
- “A historical review of anthrax in Jamaica – can we forget about this disease?” (Poster). **Scarlett H, Paul TJ, Bain B.** Sixteenth Annual National Conference on Science and Technology of the Scientific Research Council of Jamaica, Kingston, November 29-30, 2002.
- “A comparison of total lymphocyte counts and CD4 counts in patients with HIV disease”. **Bain B.,** Sebro, A., Asnani, M., Reid, M. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Research on the themes of HIV/AIDS and Drug abuse at the University of the West Indies”. **Bain B,** Hutchinson G. National Institute of Drug Abuse/ Caribbean Epidemiology Centre Conference, Nassau Bahamas. April 2003
- “Factors affecting completion of a 28-day in patient substance abuse treatment programme at the University Hospital of the West Indies”. Gibson RC, **Barnaby L.** 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “The Role of the PAHO/WHO Collaborating Centre on Ageing & Health in the Caribbean”. **Eldemire-Shearer D, Morris C.** Help-Age International Caribbean Region Development Centre, 11th Regional Meeting, Corsland Hotel, St John’s, Antigua & Barbuda, July 22nd – 25th, 2003
- “Assertive community treatment in severely mentally ill patients in North Birmingham”, UK. **Hickling FW,** Ratnayake T. National Medical Association Annual Meeting Hawaii, August 2002.
- “The Jamaica Community Mental Health Model”. **Hickling FW.** Sub-Regional Meeting on Experiences in Mental Health Reform

in Barbados & St. Lucia. Pan American Health Organization/ World Health Organization, Office of Caribbean Program Coordination, Barbados. September 18-19 2002.

- “Mental Health Research in Jamaica and the Caribbean”. **Hickling FW**. Conference on Capacity Building in Mental Health Policy and Services Research in Latin America and the Caribbean. Puebla, Mexico 28-29 October 2002.
- “The use of art therapy as an indicator of recovery in acute mentally ill patients”. Chung R, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002; and 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “A study of post-traumatic stress disorder among Jamaica Constabulary Force personnel in a given geographical area in Jamaica”. Oo MK, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002; and 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Descriptive analysis of a community mental health service at the University Hospital of the West Indies”. Deslandes V, Little M, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “Stimulating research output in the Section of Psychiatry, Faculty of Medical Sciences, University of the West Indies, Mona”. **Morgan KAD, Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “Changing the research culture and output in the Section of Psychiatry”. **Morgan KAD, Hickling FW**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “The aetiology of first contact schizophrenia in Jamaica”. Haynes TS, **Hickling FW**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.

- “Mental Health in the Caribbean”. **Hickling FW**. National Institute of Drug Abuse/ Caribbean Epidemiology Centre Conference, Nassau Bahamas. April 2003.
- “La Historia de la Psiquiatria y la Salud Mental en Jamaica”. **Hickling FW**. IV Scientific Event of Psychiatry and Clinical and Community Nursing. Joaquin Albarran Hospital, Havana City, Cuba.
- “The History of Psychiatry in the Caribbean”. **Hickling FW**. National Medical Association Regional Meeting, Los Angeles California, April 2003.
- “Breast self-examination: perceptions and practice among women 25-54 years old in Western Jamaica”. **Holder-Nevins D**, Campbell-Forrester S. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “A market setting for health promotion (The Papine Market, St Andrew, Jamaica)”. **Holder-Nevins, D.** et al. Annual Scientific Meeting, Society for Public Health Education (SOPHE), Philadelphia USA, November 2002.
- “Food consumption patterns of the 15 year old Jamaican Cohort”. **Jackson M**, Samms-Vaughan M, Ashley D. Presented at “Food and Nutrition in the Lives of the Diaspora.” Centre for Caribbean Medicine, Manchester, UK. 2002.
- “Dietary and social determinants of body mass index in populations of African origin: Cameroon, Jamaica and the United Kingdom”. **Jackson M**, Walker SP, Cruickshank JK, Cade J, Mbanya J-C, Forrester TE, Wilks R. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Street children in Kingston and St. Andrew, Jamaica: social and demographic characteristics”. Antoine C, Bailey S, Baker J, Brown Y, Clarke K, Creighton A, Drummond S, Ganness R, Nairn C, Rolle A, Rose-Green G, Sherwood T, Wisdom S, **Jackson M**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Hormonal contraception and cervical dysplasia in Jamaican women”. Bazuaye P, **Jackson M**, Smikle MF, Fletcher H,

Rattray C, McFarlane-Anderson N. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.

- “Community education – an essential link in the chain of delivery of primary health care”. **Matthews A, Paul TJ**, Johnson M, Williams R. International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Evaluation methods used in a distance learning programme for postgraduate training in Family Medicine”. Williams-Green P, Matthews A. American Academy of Family Physicians (AAFP) conference. San Diego, California, USA, October 15-20, 2002 .
- “A retrospective case- comparison study of the association between parental deprivation in childhood among African-Caribbean men in England and admission to a forensic psychiatric unit”. **McDaniel C**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “An approach to measuring and monitoring the third delay for obstetric emergencies”. Ayubaca P, Boucar M, Bucaga M, Burkhalter B, Edson W, Harvey S, Hermida J, Legros S, **McCaw-Binns A**, Nicholas D, Gbangbade S. Saving Mothers’ Lives: What Works. International Conference: Safe Motherhood Best Practices. New Delhi: 3-6 October 2002.
- “Measuring skilled birth attendant (SBA) competence in four developing countries”. Ayubaca P, Boucar M, Bucaga M, Burkhalter B, Edson W, Harvey S, Hermida J, Legros S, **McCaw-Binns A**, Nicholas D, Gbangbade S. Saving Mothers’ Lives: What Works. International Conference: Safe Motherhood Best Practices. New Delhi: 3-6 October 2002.
- “Enabling factors affecting actual performance of skilled birth attendants”. Ayubaca P, Boucar M, Bucaga M, Burkhalter B, Edson W, Harvey S, Hermida J, Legros S, **McCaw-Binns A**, Nicholas D, Gbangbade S. Saving Mothers’ Lives: What Works. International Conference: Safe Motherhood Best Practices. New Delhi: 3-6 October 2002.

- “Community prevention of eclampsia: Case study - Jamaica”. **McCaw-Binns A.** Pre-eclampsia Foundation: Inaugural Meeting. Seattle, Washington: April 3-5, 2003.
- “Under-registration of deaths in Jamaica: methodology and general findings”. **McCaw-Binns A,** Holder Y, Spence K, Gordon-Strachan GM, Nam VE, Ashley DE. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “From slavery to self-determination: the history of maternal health care in Jamaica”. **McCaw-Binns A.** A Seminar, Tulane University School of Public Health, New Orleans, Louisiana: July 2003.
- “Ageing Males: a Caribbean Concern”. **Morris C.** Help Age International Regional Development Workshop. Dominica, June 2002
- “Changing public health technologies and the epidemiological transition in Jamaica”. (Poster). **Paul TJ, Morris C.** Sixteenth Annual National Conference on Science and Technology of the Scientific Research Council of Jamaica, Kingston, November 29-30, 2002.
- “Medical students’ research facilitates exposure to community health problems in Jamaica”. **Paul TJ,** Mitchell A, **Maharaj sincerely.** International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Profiling rural health in Jamaica through students’ research”. **Paul TJ,** Mitchell A, **Maharaj S.** International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Challenges facing the physician in the 21st century: Views of Caribbean medical students”. Mitchell A, **Paul TJ, Maharaj S.** International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Columbus Cove – 600 years later: the implications for health, safety and the environment”. **Segree W, Paul TJ.** Sixteenth

Annual National Conference on Science and Technology of the Scientific Research Council of Jamaica. November 29-30, 2002.

- “Age of onset of diabetes mellitus, hypertension and co-morbid state among patients attending a Jamaican health centre”. (Poster). Reid RN, **Paul TJ**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “A Novel Pilot Camp for Adolescent Children of HIV- Positive Parents in Jamaica” (Poster). **Ramsay H**. National Institute for Mental Health Annual International Conference on the Role of Families in Preventing and Adapting to HIV/AIDS. Washington D.C., U.S.A. July 23-25, 2003.
- “Medical Practice Standards”. **Segree W**. Annual Conference of the Barbados Medical Association. Barbados, May 2003.
- “Crime and Violence – A National Disgrace”. (Poster). **Segree W**. Mona Campus Research Day. November 2002.

PUBLICATIONS

Refereed

- * Knight PG., Jackson JC., **Bain B.**, **Eldemire-Shearer D**. Household food safety awareness of selected urban consumers in Jamaica. *International Journal of Food Science & Nutrition*. 54(4):309-20, 2003 July.
- * Smikle MF., Heslop O., Vickers I., Dowe G., Deer D., Sue-Ho R., Denbow CE., Morgan OSt C., **Bain B.**, Barton EN. A serosurvey of hepatitis B virus, hepatitis C virus, human T lymphotropic virus type-1 and syphilis in HIV-1-infected patients in Jamaica. *WTMJ* 52(1):14-7, 2003 March.
- * **Bain BC** HIV/AIDS: challenging a monster. *Journal of HIV/AIDS Prevention and Education for Adolescents & Children*. 4 (2/3); 3-22, 2002
- * Robinson T, Thompson T, **Bain B**. Sexual Risk-Taking Behavior and HIV Knowledge of Kingston's Street Boys. *Journal of HIV/AIDS Prevention and Education for Adolescents & Children*. 4 (2/3); 127-148, 2002

- * **Eldemire-Shearer D, Paul TJ, Morris C.** Ageing Males – An Emerging Area of Concern. *WIMJ* 51(3):139, 2002
- * Robertson-Hickling H, **Hickling FW.** The need for Mental Health Partnerships in Jamaica. *Social and Economic Studies.* 51:3, 105-130, 2002
- * **Jackson M,** Walker S, Forrester T, Cruickshank JK, Wilks R. Social and dietary determinants of body mass index of adult Jamaicans of African origin. *Eur. J. Clin. Nutr.* 57(4): 621-27, 2003.
- * Coard KCM, **Jackson M.** Heart weight and heart weight/body weight ratio in a Jamaican adult autopsy population: A preliminary study. *WIMJ* 52(1): 41– 44, 2003.
- * **Jackson M,** Samms-Vaughan M and Ashley D. Nutritional status of a cohort of 11-12 year old Jamaican children: Co-existence of under-nutrition and over-nutrition in early adolescence. *Public Health Nutr* 5(2): 281-88, 2002.
- * **Ramsay H,** Pierre R, Bain P. My Child: Caring for Children with HIV- A Parent Handbook on Child Health.
- * **McCaw-Binns A.** Case study: Jamaica, 1991-1995. In: *Reducing maternal mortality: Learning from Bolivia, China, Egypt, Honduras, Indonesia, Jamaica and Zimbabwe.* Human Development Network: Health, Nutrition and Population Series. Koblinsky MA (editor). World Bank: Washington, DC. 2003, pp 123-129.
- * Wagaarachchi P, Asare K, Ashley D, Gordon G, Graham W, Hall MH, Henneh R, **McCaw-Binns A,** Penney G, Antwi KY, Bullough CHW. *Improving the quality of obstetric care through criterion-based clinical audit: A practical field guide.* Dugald Baird Centre for Research on Women's Health. Aberdeen: 2002.

Non-refereed

- * **Hickling FW.** The African Renaissance and the Struggle for Mental Health in the African Diaspora. *The African Diaspora: Psychiatric Issues.* Proceedings of a Meeting held November 17 - 21, 2002, Boston, Massachusetts. The Department of Psychiatry, Massachusetts General Hospital, A teaching Affiliate of Harvard Medical School.

Technical Reports

Hickling FW. Contributed expert opinion and technical input:

World Health Organization Mental Health Policy and Service guidance package (2003):

Advocacy for Mental Health ISBN 92 4 154490 9

The Mental Health Context ISBN 92 4 154594 1

Mental Health Financing ISBN 92 4 154593 3

Mental Health Legislation & Human Rights ISBN 92 4 154595 x

Organization of Services for Mental Health ISBN 92 4 154592 5

Planning and Budgeting to deliver Services for Mental Health
ISBN 92 4 154596 8

Mental Health Policy, Plans and Programmes ISBN 92 4 154591 7

Quality Improvement for Mental Health ISBN 92 4 154597 6

- * **Jackson M.** Screening, referral and early childhood interventions for children 0-8 years old at risk for under- and over-nutrition and poor growth in Jamaica. p. 20. UNICEF, Jamaica (2003). **Jackson M.** Workplace violence in the health sector. P. 59. Ministry of Health / Pan American Health Organization, Jamaica (2003).
- * **McCaw-Binns A,** Holder H, Spence K, Gordon-Strachan G, Nam V, Ashley D. Multi-source method for determining mortality in Jamaica: 1996 and 1998. Consultant report to the Pan American Health Organization. August 2002 (56 pages).
- * **Pinnock M.** Health and Environment in the Caribbean 2000 plus. In *"A Vision for Health and Ecology in the New Global Economy."* Institute of Caribbean and International Studies, St. George's University, Grenada. Pp. 123-130.

COLLABORATION

Inter-Departmental and Inter-Faculty, University of the West Indies

- a) *The UWI HIV/AIDS Response Programme (UWI HARP)* is a multidisciplinary programme involving staff and students. The UWI HARP Coordinating Unit is located in the Department of Community Health & Psychiatry and reports directly to the

Vice-chancellery. UWI HARP committees operate on the three campuses and the programme includes the School of Continuing Studies in the non-campus countries. The mission of UWI HARP is “to build and harness capacity within the university in order to contribute maximally to the national, regional and international effort to control the HIV/AIDS epidemic, and to mitigate the impact of HIV/AIDS on the university itself and on the wider society”.

In April 2003, UWI HARP collaborated with the Mona School of Business in organizing the First Caribbean Labour Policy Conference, which included workshops on HIV/AIDS.

During the year, UWI HARP also collaborated with the Caribbean Child Development Centre (CCDC) in conducting a Needs Assessment for HIV information to be delivered in the Early Childhood Sector.

Training of Trainers workshops on Human Sexuality and other themes relevant to HIV/AIDS were conducted for staff from 11 departments and others from Cave Hill and St. Augustine as these persons prepared to teach several new courses in the forthcoming academic year.

- b) *Department of Sociology, Psychology and Social Work:*
 - (i) Psychology Unit – collaboration in teaching the MSc and PhD in Counselling Psychology, and
 - (ii) Other sections of that Department, mainly in research.
- c) *Department of Management Studies:* Staff from the Section of Psychiatry worked with Mrs. Hilary Robertson-Hickling, Lecturer in the Department of Management Studies, and Mrs. Sonia Mills of the Environmental Foundation of Jamaica to identify methods to assist the young people in the Oasis Restoration Project in the Kingston inner city community in Trench Town.
- d) *The Public Health & Primary Care Unit and the Section of Psychiatry, UWI, Mount Hope, Trinidad and the School of Clinical Medicine & Research, UWI, Cave Hill, Barbados.* We have collaborated in

discussions about curricula and research with our colleagues in the corresponding departments and areas on the other two UWI campuses.

National and Regional (Caribbean)

In the Caribbean, we continued to work with colleagues from the Cave Hill and St Augustine campuses of UWI, personnel from the Governments of the Caribbean and with staff from the Caribbean Epidemiology Centre, the Caribbean Health Research Council, the Caribbean Community Secretariat, the Help-Age Caribbean Regional Office, the National and Regional Offices of the Pan-American Health Organization and the World Health Organization and the Pan-Caribbean Partnership against AIDS (PANCAP).

International

The Department continued to collaborate with several international institutions including:

- *Dalhousie University Canada*
Dalhousie University has agreed to accept fourth year residents from the Section of Psychiatry for one and two year fellowships in child psychiatry.
- *Florida International Volunteers Corp. (FAVACA)*
This group provided an expert who conducted a seminar on grant-writing for the UWI HARP TEAM and a panel of experts who led a three-day training programme on Alzheimer Disease in the Department.
- *Leeds University*
The Cochrane Schizophrenia Center at the University of Leeds, UK, continues to collaborate in a Systematic Review entitled “Open Medical Wards versus specialist psychiatric units for acute psychoses.”
- *University of Alabama at Birmingham (UAB)*
A successful graduate level course on Infectious Disease Control and Surveillance was run jointly with Faculty from the UAB for students from UWI and a few American universities.
- *University of Maryland*
Through a collaborative arrangement with the University of

Maryland, the Department hosted two students who were recipients of Fogarty Minority Research Training grants. The students worked from UWI HARP and conducted original research with adolescents at the Centre for HIV/AIDS Research, Education & Services, University Hospital of the West Indies.

GRANTS

- Measuring the Comorbidity of Substance Abuse, Violence, Psychopathology, Help-Seeking Behavior, and Attitudes Toward Substance Abuse, Violence, Mental Illness and the Afflicted: A Project Aimed at Providing Culturally Relevant Jamaican Assessment Instruments, and Empirical Data to Inform Jamaican Health Policy and Program Decisions. **Lambert M, Samms-Vaughn M, Hickling F W.** Funded by a grant from Michigan State University for J\$720,000.00
- A ten-year outcome study of first contact schizophrenia in Jamaica. **Haynes T, Hickling FW.** Funded by Principals New Initiative Grant J\$860,000.00, UWI Mona
- Review of forensic services in Jamaica 1995-2002 **Abel W, Hickling FW.** Funded by Research grant from Ferdie's House Community Vocational Rehabilitation Center for J\$50,000.00
- Suicide in Jamaica 1996-2002. **Abel W, Hickling FW.** Funded by Research Grant from Community Group Homes for J\$50,000.00
- Evaluation of a multidisciplinary cultural therapy team approach as a risk-reduction intervention in violence and high-risk behaviours at an inners-city school in Kingston Jamaica. **Morgan K, Gibson R, Chung R, Hickling FW.** Funded by Planning Institute of Jamaica Research Grant for J\$1.8M.
- A three-month training program for 2,300 health workers including community health aides, midwives, nurses, mental health officers, nurse practitioners, and medical officers, in contemporary mental health care. This training program was conducted for the Ministry of Health and was funded by a grant of J\$6 million from the Inter American Development Bank.

STAFF MOVEMENTS

Dr Sanjana Bhardwaj joined the staff as a Lecturer with responsibility to join the team developing teaching and research in Health Promotion and to work with UWI HARP.

Mrs Donette Hope Ramsay was appointed Assistant Lecturer, with special responsibilities in UWI HARP.

Mrs Sharon Davids was appointed temporary senior secretary to UWI HARP, based in the Section of Community Health.

Dr. Jeffery Lowe, first year resident in Psychiatry, passed away suddenly on 9th April 2003. He will be sadly missed. The Section of Psychiatry has decided to name the Distinguished Lecturer Series in his honour. It will now be known as the **Jeffery Lowe Distinguished Lecturer Series**.

Dr Satnarine Maharaj continued his assignment as Chief Medical Officer of Grenada, while on secondment from the Department.

Dr Carol McDaniel joined the staff as a Lecturer in August 2002 and left the Department in July 2003. She was replaced by Dr Winston De La Haye who joined the staff in July 2003.

Dr Frank Ottey retired from the University in July 2002 after 30 years of service to psychiatry. He was specially honoured by the Faculty at Faculty Board for his years of work. His service was retained for the current academic year, and he has had the assignment of establishing psychiatric clinics in the corporate are of Kingston and St.Andrew.

Mrs Hope Ramsay, R.N., M.P.H. was appointed as an Assistant Lecturer with UWI HARP in the Section of Community Health.

PRIZES AND SPECIAL AWARDS

Principal's Award for Research

Based on work done by **Dr Affette McCaw-Binns** in Maternal and Child Health Epidemiology.

Dr L. Barnaby

Fulbright Fellowship to New York University, July 2003.

Dr. W. De La Haye (Resident)

Hubert Humphrey Fellowship September 2002, to Johns Hopkins University where he completed the Masters Degree in Public Health (Substance Abuse)

Dr. Roger Gibson (Resident)

Fellowship to spend a 3 month elective period at the University of Madrid, Spain, January to March 2003.

Dr. G. Lowe (Resident)

Eli Lilly prize for the best candidate in the DM (psychiatry) part II Examination in June 2003.

Fellowship in Child and Adolescent Psychiatry at Dalhousie University, Halifax Canada.

Dr Tomlin Paul

Long Service Award to the UWI, Mona – 15 Years

Best Poster Award - A Mitchell, TJ Paul, S Maharaj (2002) Challenges facing the physician in the 21st century: Views of Caribbean medical students. Presented at the International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources, Eldoret, Kenya, September 7-12, 2002.

Mr M Pinnock

Special Award from the University Hospital of the West Indies “for useful contribution and continued interest in the education of student midwives in the subject of Community Health.” July 2003

Jamaican Governor-General’s Achievement Award for the parish of St Andrew 2003.

Dr P Williams-Green

Caribbean College of Family Physicians (Jamaica Chapter) Award for contribution to the practice of Family Medicine 2002.

OUTREACH

Hermitage/August Town Health Centre

This facility has been operating without interruption since 1959. It has grown from a service for residents the adjacent community of Hermitage to a Type III health care centre for persons from twelve locations near the Mona campus. The combined population served by the centre is approximately 35,300. This is based on preliminary figures from recent census conducted by Statistical Institute of Jamaica.

Eleven thousand six hundred sixty-two (11,662) persons or approximately one third of this target population accessed health care at the health centre during this year. Seventy-five percent (75%) of these patients utilized the curative services while the maternal and child health section was responsible for the remaining twenty-five percent (25%). The two most commonly treated conditions are: 1) respiratory tract infection/ disease (13%) and 2) hypertension (12%).

The centre is a base for outreach by doctors, nurses, a social worker, medical students and community health aides. In terms of community outreach, seven hundred thirty-eight (738) home visits were made during this year. Medical students and master of public health students under the direction of the social worker conducted in-depth studies of several families. While being the subject of study, these families benefit from health education/ health promotion and significant medical and social interventions.

Health care professionals rotate through the centre to gain experience in primary health care. The following health professionals were trained at this community health centre during this year:

- a. Nurses: Three (3) family nurse practitioners, 38 UWI nurses, 54 EXED nurses.
- b. Medical residents: Four (4) final year emergency medicine residents
- c. Medical interns: Three (3) second year interns.
- d. Medical students: Eighty-four (84) final year students, 2nd clinical year students, and 1st clinical year students.
- e. Social work (B.Sc.) students: a group from the first year class was oriented in the field of medical social work.

Oasis Restoration project

The Section of Psychiatry continues its mental health intervention in the inner city community of Rema, Trench Town, Kingston. The team includes **Professor Hickling**, **Dr Roger Gibson**, psychiatric resident, **Dr. Kai Morgan**, Consultant Psychologist and **Ms Rosie Chung**, Art Therapist.

Grants Pen Region Outreach. This is a new outreach programme of the Section of Psychiatry in collaboration with the Kingston Restoration Project.

PUBLIC SERVICE

Professor Brendan Bain

- Member, Board of Directors, Family Life Ministries
- Co-host of Radio Programme, Family Time on Radio Jamaica

Professor Frederick Hickling

- President, Jamaica Psychiatric Association
- Special Consultation, WHO, Geneva, Switzerland: Evaluation of World Health Organization Mental Health Policy Guidelines.
- Chairman, National Council for Drug Abuse
- Chairman, Association of Mental Health Professionals for the African Diaspora
- Reviewer, West Indian Medical Journal, Psychiatric Services, British Journal of Psychiatry, Archives of General Psychiatry

Dr Wendel Abel

- Board member, Kingston Young Men's Christian Association
- Board Member, Community Group Homes, Jamaica
- Member, Medical Outreach Services, Food For The Poor

Dr Loraine Barnaby

- Clinical Representative for Faculty of Medical Sciences, West Indies Group of University Teachers
- Volunteer, working with persons with psychological/psychiatric adjustment problems at the Ozanam Home for the Elderly
- Executive member, Soroptimist Club of Jamaica (Kingston) and club representative at National Association of Soroptimists

Dr Denise Eldemire-Shearer

- Chairman, National Council for Senior Citizens, Jamaica
- Deputy Chairman, Golden Age Home, Kingston, Jamaica
- Chairman, Board of Supervision, Ministry Local Government, Youth and Community Development, Jamaica
- Member, Management Committee, Jamaica Drugs for the Elderly Programme
- Member, Pensions Reform Committee, Jamaica
- Member, Central Health Committee

Mrs D Falloon

- Coordinator of Counselling Services, East Queen Street Baptist Church
- Coordinator of Health Education Programme, East Queen St. Baptist Church
- Counsellor, East Queen Street Baptist Church

Mrs D. Holder-Nevins

- Board Member, St Ann's Bay High School
- Public Relations Officer Northern Chapter of Adventist Health Professional Association
- President, Jamaica Association for Health Education and Promotion (JAHEP)

Dr Maria Jackson

- Reviewer of journal articles for: The European Journal of Clinical Nutrition and Social Sciences & Medicine
- Member, St. Vincent De Paul Society
- Executive Member, Friends of the Bellevue Hospital

Dr J La Grenade

- Chairman, South East Regional Mental Health Review Board, Jamaican Ministry of Health

- Member, International Advisory Board of the International Journal of Social Psychiatry.

Dr A Matthews

- Member, Epidemiology Committee, Kingston & St. Andrew Health Authority
- Volunteer doctor for the Elderly, Christ Church Ministry, Kingston, Jamaica

Dr A McCaw-Binns

- Committee Member, Institute of Medicine, National Academy of Sciences of the U.S.A.

Dr Kai Morgan

- Member, Selection Committee, Jamaica Psychological Society
- Clinical Psychologist, Jamaica Netball Association

Dr Frank Ottey

- Regional Consultant Psychiatrist in Community Health Services for the Government of Jamaica in the parish of St. Thomas.

Dr TJ Paul

- External Examiner in Sports Medicine, Bachelor of Physical Education at the G.C. Foster College of Physical Education and Sport, Jamaica
- Member, International Task Force on Community Care of the Elderly: Global Health through Education, Training and Service (GHETS)
- Chairman, Publicity sub-committee, National Family Planning Board of Jamaica
- Member, Board of Directors, Whole Person Resource Centre, Kingston, Jamaica
- Member, Board of Directors, McCam Child Care and Development Centre, Jamaica
- Vice-Chairman, Hope Estate Educational Partners (HEEP), Jamaica

- Member, PAHO Advisory Group on Building Capacity in Health Promotion in Barbados and the OECS Countries

Mr M Pinnock

- President, Caribbean Public Health Association
- Member, Board of Governors, Oberlin High School, St. Andrew, Jamaica
- Member, Technical Advisory Committee of the Caribbean Environmental Health Institute, St. Lucia
- Chairman, Advisory Committee on Health Sciences, University of Technology, Kingston
- Chairman, Beverly Hills Citizens' Association Area I
- Member, Lions Club of Mona
- Vice-Governor, Lions Clubs International, District 60B (Caribbean Area)

Mrs Hope Ramsay

- Member of the Monitoring and Evaluation Committee for the National AIDS Programme
- Member, Commonwealth Human Ecology Council
- Member, National Committee for Orphans and Children made Vulnerable by HIV/AIDS
- Advisor to the Centre for HIV/AIDS Research Education and Services (CHARES), UHWI
- Member, Planning Committee for the Annual Nurses and Midwives Research Conference

Dr Winsome Segree

- Member, Environmental Foundation of Jamaica
- Member, National Resuscitation Council of Jamaica

Dr Pauline Williams-Green

- Member of an international group on certification of physicians sponsored by PAHO and requiring communication in Spanish.

DISTINGUISHED VISITORS

Dr Rahn Bailey, Associate Professor of Psychiatry University of Texas, President, Psychiatry Group, National Medical Association of the USA

Dr Juergen H.A. Bludau, Joseph L. Morse Geriatric Centre, Inc., Florida, USA.

Dr Martin Harper, Occupational Hygienist, University of Alabama at Birmingham, USA.

Professor Stan Kutcher, Head, Department of Psychiatry, and Associate Dean International Affairs, Dalhousie University, Halifax Canada.

Professor William Lawson, Head, Department of Psychiatry, Howard University, Washington, DC, USA.

Dr James W Lea, Director, Intrah School of Medicine, University of North Carolina at Chapel Hill, USA.

Mr Tom McGough, Executive Director, Alzheimer Resource Centre, Tallahassee, Florida, USA.

Dr Kwame McKenzie Senior Lecturer in Psychiatry, Royal Free Hospital, University of London

Professor Steve Nardozi, Westchester College, SUNY, New York, USA.

Dr Richard Nisbett, Professor, Texas Tech University, USA.

Professor Emmanuel Persad, Professor Emeritus, Psychiatry, University of Toronto

Ms LuMarie Polivka-West, Director of Health & Quality Assurance, Florida Health Care Association, USA.

Dr Sten Vermund, Professor and Director, Sparkman Center for International Public Health Education, University of Alabama at Birmingham, USA.

Dr John Wiecha, Assistant Professor, Department of Family Medicine, Boston University, Massachusetts, USA.

DEPARTMENT OF MEDICINE

**Professor Charles E. Denbow, BSc, MBBS (Hons), DM *UWI*,
FRCP *Lond*, FACP, FACC – Head of Department**

WORK OF THE DEPARTMENT

The period 1st August 2002 – 31st July 2003 was a highly successful academic year for the Department of Medicine.

With respect to research activities, new linkages were formed with the Section of Psychiatry which will allow increased collaboration and research output in areas which were not explored before. In addition, there was the strengthening of previous links, for example, with the Tropical Metabolism Research Institute (TMRI) which allowed other joint research projects to proceed smoothly.

The Department provided undergraduate instruction in internal medicine to students in both the old and new curriculum, and the excellent 95% pass rate in Medicine and Therapeutics of the May/June 2002 Final MBBS Examination was replicated exactly in the Examinations of May/June 2003. The academic staff and Undergraduates are to be highly commended for the maintenance of this superb performance.

Four postgraduate students successfully completed the DM Part 2 (final examinations) in internal medicine during the year – two in December 2002, and two in June 2003. Five candidates for the DM Part 1 examination were successful during the year.

The ever increasing service commitments of the Department in relation to the management of both inpatients and outpatients continued to be very well fulfilled.

STAFF

Dr. K. Orrin Barrow – Senior Lecturer – was seconded to the University Hospital as Acting Chief Executive Officer effective 1st January 2003. **Dr. Milton Arthurs** was appointed Lecturer in Medicine to replace Dr. Barrow.

RESEARCH IN PROGRESS

Professor Michael Lee

- Antibiotic sensitivity to *Helicobacter pylori* in Jamaica.
- Emerging opportunistic parasitic infections in patients with HIV/AIDS

Professor Everard Barton

- Acute Renal Failure and Cardiac Surgery
- Vancomycin resistant enterococci in Dialysis Patients
- Prevalence of chronic renal failure in Diabetic Patients
- Autosomal Dominant Hereditary Spastic Paraplegia in Jamaica
- HIV Heteroduplex mobility Analysis Subtyping
- Chronic renal failure and Cardiac Disease

Dr. Althea East-Innis

- The epidemiology, clinical presentation and outcome of fungal hair and scalp infection at the University Hospital of the West Indies.

Dr. David Gilbert

- Parkinson's disease in Jamaica. Stroke – Clinical outcomes CT analysis.

PAPERS PRESENTED

Professor Charles Denbow

- 'Pulmonary Embolism'. Jamaica Foundation for Cardiac Disease Practitioner Seminar. Mandeville, Manchester. September 2002.

- 'The Heart Protection Study'. Merck, Sharpe and Dohme Symposium. Bridgetown, Barbados. September 2002.
- 'Hyperinsulinaemia and Cardiovascular Disease'. Bayer Pharmaceuticals Seminar. Kingston, Jamaica. September 2002.
- 'A Critical Review of the Strategies for the Prevention of Cardiovascular Disease'. Medical Association of Jamaica/Aventis Pharma Workshop, UWI, Mona. October 2002.
- 'Acute Left Ventricular Failure'. 29th Ena Thomas Memorial Symposium. Kingston, Jamaica. November 2002.
- 'Hypertension: An Individualized Approach to Therapy'. MAJ Northeast Branch Symposium. Ocho Rios, St. Ann, Jamaica. January 2003
- 'A History of Cardiology in Jamaica'. National Medical Association Scientific Session. Montego Bay, Jamaica. May 2003.

Professor Everard Barton

- 'Epidemiology of End Stage Renal Disease in Jamaica', Caribbean Association of Nephrologist and Urologist Scientific Meeting, Georgetown, Guyana. April 2002.
- 'Management of Hypertension in patients with End Stage Renal Disease'. Medical Association of Jamaica and Bayer Pharmaceuticals Seminar, Kingston, Jamaica, May 5, 2002.
- 'The Losartan Intervention for Endpoint Reduction in Hypertension study'. Medical Association of Jamaica and Merck Sharpe and Dhome Seminar, Mandeville, Jamaica, July 2002.
- 'Prevalence of chronic renal failure in the diabetic population at the University Hospital of the West Indies'. CHRC 47th scientific meeting, Bahamas, 2003.

Dr. Winston Williams

- 'Pulse Intravenous Cyclophosphamide in Patients with Systemic Lupus Erythematosus and Diffuse Proliferative Glomerulonephritis'. Faculty of Medical Sciences, UWI Research Day. November 2002.

- 'Renal Histopathological changes in patients with Hemoglobin SS Disease'. CHRC meeting in Nassau, Bahamas. April 2003.

Dr. Althea East-Innis

- Country Report: 'The epidemiology of AIDS and ATL in Jamaica'. Seminar on epidemiological control of AIDS and ATL diseases – Kumamoto and Tokyo, Japan. July 29 – September 2, 2002.
- 'Erythema multiforme major, Stevens-Johnson syndrome and toxic epidermal necrolysis – a review'. Caribbean Dermatology Association Conference, Grenada. November 2002.
- 'Immunology of the skin'. Caribbean Dermatology Association Conference, Grenada. November 2002.

PUBLICATIONS

Professor Charles Denbow

- * MF Smikle, O Heslop, I Vickers, G Dowe, D Deer, R Sue-Ho, **CE Denbow**, O StC Morgan, B Bain, EN Barton. A Serosurvey of Hepatitis B Virus, Hepatitis C Virus, Human T Lymphotropic Virus Type-1 and Syphilis in HIV-1 Infected Patients in Jamaica. *WIMJ* 52 (1): 14-16 (2003).

Professor Everard Barton

- * MF Smikle, N Christian, K DeCeular, **EN Barton**, K Roy-Green, G Dowe, N Anderson, G Nicholson. HLA-DRB and Systemic Lupus Erythematosus. *Southern Medical Journal* (2002) 95: 717-19.
- * MF Smikle, R Wright-Pascoe, **EN Barton**, G Dowe, DT Gilbert, E Choo-Kang, O St C Morgan. Autoantibodies, Human T lymphotropic. Virus Type 1 and Type 1 Diabetes Mellitus in Jamaicans. *WIMJ* (2002) 51: 153-56.
- * SK Simon, SG Stephenson, KE Whyte, MO Stubbs, IE Vickers, **EN Barton**. Prevalence of chronic renal failure in the

diabetic population at the University Hospital of the West Indies. *WIMJ* (2003) 51:33.

Dr. Winston Williams

- * Pulse Intravenous Cyclophosphamide in Patients with Systemic Lupus Erythematosus and Diffuse Proliferative Glomerulonephritis. *WIMJ*.
- * Renal Histopathological changes in patients with Hemoglobin SS Disease. *WIMJ*.

Dr. David Gilbert

- * MF Smikle, R Wright-Pascoe, EN Barton, G Dave, **DT Gilbert**, E Choo-Kang, O St C Morgan. Autoantibodies, Human T Lymphotropic Virus Type 1 and Type 1 Diabetes Mellitus in Jamaicans. *WIMJ* 2002; 51(3): 153-6.

PUBLIC SERVICE

Professor Everard Barton

- Resource Personnel with the Kidney Foundation of Jamaica
- Founded an Outreach Renal Service for Manchester and St. Elizabeth
- Volunteer, Missionaries of the Poor in Jamaica.

Dr. Althea East-Innis

- Member, Dermatology Association of Jamaica

DEPARTMENT OF MICROBIOLOGY

Monica Smikle, BSc, MSc *Amst*, PhD *UWI*,
Dip. Clin. Microb. *Lond* – Head of Department

WORK OF THE DEPARTMENT

The academic year 2002/2003 brought many challenges yet the Department of Microbiology remained focused to achieve the desired results. The department continued to experience increases in the demand for its diagnostic services. A total 70,829 clinical samples were processed in 2002/2003 a 0.13% increase over the 70,738 processed in 2001/2002. The increase was predominantly due to the immunology laboratory services which had increases of 5.2% and 17.1% in clinical samples processed and work units, respectively.

As part of the postgraduate programme in medical microbiology the medical residents received varying periods of training at overseas institutions. Dr Patrick Akpaka and Dr Robert Sue-Ho pursued electives of 6 months and 3 months, respectively, at hospital laboratories in Toronto, Canada. Dr Ivan Vickers, senior medical resident took up a Commonwealth fellowship and a one year elective at the University of Nottingham, U.K. Mr Orville Heslop, a member of staff and Ph.D. candidate, received training in molecular aspects of the human immunodeficiency virus (HIV) at the Centers for Disease Control and Prevention, Atlanta, U.S.A., January - April, 2003. Dr Alison Nicholson, lecturer and consultant microbiologist, attended a short summer course at the John Hopkins University, Bloomberg School of Public Health, Baltimore, Maryland, U.S.A.

Members of staff including Hyacinth Thomas, administrative medical technologist, Lennox Pryce and Alcia Jones, senior medical technologists, were awardees at the University's long service award ceremony, December, 2002. Mrs Thomas had served the University for 30 years and Mr Pryce and Miss Jones each for 15 years. Christine Stought-O'Gilvie, senior medical technologist, resigned effective October 2002. Mrs Icemer Nettleford, senior departmental attendant took up her retirement December 2002, having served the University for over 25 years. For unexplained reasons, several established posts in the department have remained temporarily filled for long periods spanning months to years.

As mentioned in previous reports, the department's infrastructure is still in a state of disrepair pending the long outstanding refurbishment project.

RESEARCH IN PROGRESS

Dr N Bodonaik

- Studies on the prevalence of antibiotic resistance and resistance phenotypes of *Neisseria gonorrhoeae* encountered in Jamaica.
- Analysis of serotypes and antibiotic resistance in strains of *Streptococcus pneumoniae* and the burden of pneumococcal infections at the University Hospital of the West Indies (UHWI).
- Pattern of *Haemophilus influenzae* type b disease and antibiotic resistance in strains of *Haemophilus influenzae* encountered at the UHWI.
- Studies on methicillin resistance in strains of *Staphylococcus aureus* encountered at the UHWI for the past 20 years.
- Surveillance of blood stream infections in patients at the UHWI.
- Analysis of serotypes and antibiotic resistance in non-typhoid *Salmonella* encountered in Jamaica.
- Phage types and antibiotic resistance of typhoid bacilli encountered in Jamaica. Attempt is made for molecular fingerprinting.

- Serotypes and antibiotic resistance in strains of *Shigella* encountered in Jamaica - ongoing studies for the past 20 years.
- Changing epidemiology of urinary tract infections in patients at the UHWI.
- Bacterial meningitis in children in Jamaica.
- Augmentin susceptibility in Gram negative bacilli isolated from patients at the UHWI.
- Ascertaining the clinical significance of coagulase negative *Staphylococci* from blood cultures – A prospective surveillance.

Mr O Heslop

- *Clostridium difficile* infection in cancer patients.
- The epidemiology of human immunodeficiency virus type 1 subtypes in Jamaica

Dr G L Saunders

- An in vitro model of *Enterobacter* and *Staphylococcus aureus* co-infection.
- Multiresistant *Escherichia coli*.
- Blood culture technique: Web page design, implementation and impact.

Dr K Roye-Green

- Molecular typing of ceftazidime resistant *Klebsiella pneumoniae* isolated at the UHWI.
- Review of bacterial meningitis in Jamaica.

Dr A Nicholson

- The epidemiology of *Tinea capitis* in Kingston, Jamaica.
- The epidemiology of bacterial infections in the neonatal unit at the UHWI.
- *Staphylococcal* infection in paediatric admissions at the UHWI – a 10 year review.

Dr S Jackson

- Viral causes of respiratory tract infection at the UHWI.
- Investigations of viral central nervous system infection.
- Enterovirus infections at the UHWI.
- The epidemiology of mycotic vulvovaginitis.

Dr G Dowe

- Molecular studies on *Helicobacter pylori* isolated from Jamaicans.
- *Chlamydia trachomatis* and other microbial causes of reactive arthritis in Jamaican patients.

Dr M Smikle

- Selected antimicrobial profiles and clonality of enterococci.
- A study of hospital acquired infection at the UHWI.
- The HLA, chronic and infectious diseases in the Jamaican population.
- Immunological and molecular studies of the human immunodeficiency virus.

Dr JF Lindo

- Epidemiology of *Angiostrongylus cantonensis* infection in Jamaica.
- Epidemiology of emerging opportunistic parasitic infections in persons living with HIV/AIDS in Jamaica

PAPERS PRESENTED

- “Laboratory testing for systemic rheumatic diseases.” **M F Smikle**. Caribbean College of Family Physicians Workshop on Rheumatic Disorders. Kingston, Jamaica, July 2003.
- “Antibiotic resistance patterns of respiratory tract pathogens.” **A Nicholson**. Sponsored by The Medical Association of Jamaica in association with Aventis Pharma. Kingston, Jamaica, July 2003.

- “The emergence of *Stenotrophomonas maltophilia* as a significant nosocomial pathogen at the University Hospital of West Indies.” **A Nicholson, D Castle**, I Tennant, M Nelson. Caribbean Health Research Council 48th Annual Conference, Nassau, Bahamas, May 2003.
- “The bacteria in leg ulcers – to treat or not? What is the answer?” **A Nicholson**. The Dermatology Association of Jamaica. Kingston, Jamaica, March 2003.
- “An in vitro model of Enterobacter and *Staphylococcus aureus* co-infection.” **G Saunders, N Bodonaik, M Smikle**. Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Plasmid content of ESBL *Escherichia coli*.” **G Saunders, K Roye-Green, N Bodonaik, M Smikle**. Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Pre-operative vaginal antiseptics and post-operative bacterial load: The possible correlation with vault infection”. M. Williams, A. Muylings, H. Fletcher, **A. Nicholson**, M. Reid Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Antimicrobial susceptibility patterns in bacterial isolates in intensive care unit patients at the University Hospital of the West Indies.” **I Vickers**. Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Frequency of occurrence and antibiotic resistance in bacteria isolated from patients in intensive care unit” **PE Akpaka, R Sue-Ho, NC Bodonaik**. Faculty of Medical Sciences 11th Annual Research Conference, Kingston, Jamaica. November 2002.
- “The human T lymphotropic virus type-1 autoantibodies and type 1 diabetes mellitus in Jamaica.” **MF Smikle**, R Wright-Pascoe, EN Barton, **G Dowe**, O St. C Morgan. The Ninth International Conference on Human Antibodies and Hybridomas. Berne, Switzerland, September 2002.
- “Bacterial causes of upper respiratory tract infection.” **A Nicholson**. Meeting of paediatricians, general practitioners and

pharmacists. Sponsored by Glaxo SmithKline Caribbean Limited. Kingston, Jamaica. September 2002.

- “Change in the incidence of gentamicin resistance in 15 years in a tertiary care teaching hospital.” **NC Bodonaik, O Heslop, R Sue-Ho**. 10th International Congress on Infectious Diseases. Singapore, March 2002.
- “Methicillin resistance in strains of *Staphylococcus aureus* at the University Hospital of the West Indies, Jamaica, 1980 - 1997.” **NC Bodonaik, A Nicholson**. 10th International Congress on Infectious Diseases. Singapore, March 2002.
- “Comparison of penicillin MICs in strains of *Streptococcus pneumoniae* isolated from sterile and non-sterile body sites.” **NC Bodonaik, O Heslop**. 10th International Congress on Infectious Diseases. Singapore, March 2002.
- “Antibiotic resistance in recent isolates of Shigella in Jamaica”. **NC Bodonaik and WN Chen**. 10th International Congress on Infectious Diseases, Singapore, March 2002.
- “Patterns of isolates of blood stream infections at the University Hospital of the West Indies: Comparison with those observed in other developing and developed countries”. **NC Bodonaik**. 10th International Congress on Infectious Diseases, Singapore, March 2002.

PUBLICATIONS

Refereed:

- * Hepatic abscesses at the University Hospital of the West Indies: A 24 year autopsy review. Gaskin DA, **Bodonaik NC**, Williams NP. *WIMJ*, 2003; 52: 37-40.
- * Autoantibodies, Human T lymphotropic virus type 1 (HTLV-1) and type 1 diabetes mellitus in Jamaica. **Smikle MF**, Wright-Pascoe R, Barton EN, **Dowe G**, Morgan O St C. *WIMJ*, 2003; 51 (3): 153-156.
- * A serosurvey of hepatitis B virus, hepatitis C virus and syphilis in HIV infected patients in Jamaica. **Smikle MF, Heslop O, Vickers I, Dowe G, Sue-Ho R**, Morgan O St C, Denbow C, Bain B, Barton EN. *WIMJ*, 2003; 52 : 14-16.

- * Severe cutaneous larva migrans in a traveller to Jamaica, West Indies. French SJ and **Lindo JF**. *Journal of Travel Medicine* 2003; 249-250.
- * Seroprevalence of hepatitis C virus infection in haemophiliacs in Jamaica. Wharfe G, **Smikle MF**, **Dowe G**, Graham S, Choo Kang E. *Human Antibodies* 2002; 11: 61-64.

Non-refereed

- * Monograph: Lecture notes on the Bio Merieux Vitek/biolaison system for technical users. **GL Saunders** (2003).

CATEGORIES OF STUDENTS

Undergraduate

The undergraduate medical microbiology courses were taught to over 400 students in four different year groups of the MBBS programme. A total of 89% (89/99) candidates were successful in the April/May 2003 examinations. The Louis Grant prize was awarded to Simone Bailey.

Postgraduate

Six (6) candidates are registered in graduate programmes in medical microbiology. These include the DM Medical Microbiology (3 candidates); PhD Medical Microbiology (2 candidates); MPhil Medical Microbiology (1 candidate).

PUBLIC SERVICE

Dr Monica Smikle

- Member, Medical Laboratory Technical Committee, Bureau of Standards, Jamaica.
- Member, Standards Subcommittee on Medical Laboratory Services in the Caribbean, CAREC, Trinidad.

DISTINGUISHED VISITORS

Professor Stephen Gillespie, Department of Microbiology, Royal Free Campus, Royal Free and University College Medical School, London, UK.

Dr Marcia Hobbs, University of North Carolina, Department of Medicine, Division of Infectious Diseases, North Carolina USA.

Dr Marcus Steiner, Family Health International, North Carolina USA.

Mr Andrew Hak Ou, Third secretary vice Consul, US Embassy, Kingston, Jamaica.

Dr Mike Drebot, National Microbiology Laboratory Health, Canada.

DEPARTMENT OF OBSTETRICS, GYNAECOLOGY AND CHILD HEALTH

**Dr. Joseph Frederick, MBBS, DM(O&G), FRCOG, FACOG
– Head of Department**

WORK OF THE DEPARTMENT

The main focus of the department is on human resource development which is vital for the realization of the organizational goals of the University. The restructuring exercise which is still in its embryonic stage continues to define the way forward despite the difficulties. Our ultimate goal is to provide high quality teaching and research pertinent and beneficial to our people and to empower our students to be not only the users of technology but one day to contribute to the development of the technology.

Minority International Research Training (MIRT) Programme National Institutes of Health

The MIRT programme, jointly co-ordinated by Michigan State University (MSU) and the Section of Child Health, and funded by the NIH is now in its seventh year. This year, two students from MSU and one from the University of Vermont visited Child Health to receive training in child development and behaviour research under the supervision of the NIH approved mentor, Dr. Maureen Samms-Vaughan

Perinatal Service 2002 – 2003

The Perinatal service hosted a very successful conference on February 7-8, 2003, under collaboration with PAHO and the Ministry of Health, Jamaica. Over 400 persons had registered for the conference with

local and regional participants. Both Obstetrics and Child Health sections collaborated in this effort. In continuation with 2002 we had the annual Perinatal audit. New this year was the initiation of a computerized perinatal database called SIP with the assistance of PAHO. Several skills workshops were on the agenda covering topics involving perinatal emergencies. Six hours CME accreditation was approved by the medical and nursing councils. Day 2 of the conference highlighted current research in the field areas such as diagnosis of congenital malformations; fetal origins of adult disease, HIV in pregnancy and long term outlook from neurological handicap. Social events around the conference saw presentations from two emeritus professors in the department. A conference CD documenting the proceedings has been a hit with both participants and subsequent academic visitors to the department.

Oncology Unit

The Department of Obstetrics, Gynaecology & Child Health in conjunction with the Grabham Society of Obstetricians and Gynaecologists of Jamaica organized a two day conference in oncology.

This included two half day hands-on sessions in colposcopic procedures to undergraduate, postgraduate students and physicians. Dr Manuel Panalver an oncologist from the Gynaecology department of the University of Miami conducted the workshops. This was well attended and had a tremendous impact on the development of oncology as a subspecialty in the department.

Assisted Reproduction

The members of the Sterility & Fertility firm and Fertility Management Unit resumed the In Vitro Fertilization and Embryo Transfer Programme for the treatment of infertile patients from Jamaica and the wider Caribbean. The programme was restructured to streamline and accommodate the treatment of infertile couples on a continuous basis. Dr. Joseph Frederick as director of the programme with Drs. Shaun Wynter and Vernon DaCosta as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counsellors.

Two new staff members joined the programme in Miss Denise Everett, a senior embryologist (Biologist) from Lester Women Hospital, London and Miss Hillary Walters a staff Nurse as the coordinator of the programme. Since the resumption, the pregnancy rates have shown

considerable improvement as we are also achieving pregnancies from the frozen embryos. A major break through is that all the documents required for the registration of the drugs used in the programme have been submitted to the Pharmaceuticals & Regulatory Affairs in the Ministry of Health.

STAFF

Academic Achievements

Professor Celia Christie, Fellow, Infectious Diseases Society of America (FIDSA), USA, for recognition in achieving professional excellence in Infectious Diseases and related fields. “Infectious Diseases Society of America, Service Award”, in appreciation of distinguished service, as Chair of the Committee on Professional Development and Equity, Term from 1999 to 2002.

Dr. Santosh Kulkarni was promoted to a Senior Lecturer in the department.

Dr. Horace Fletcher was elevated to a Fellow of the Royal College of Obstetricians and Gynaecologists.

Child Health staff members provided consultancy services to UNICEF/ PAHO during this academic year.

Dr. Maureen Samms-Vaughan was consultant/advisor to PAHO/UNICEF in the area of child development and behaviour as follows:

- PAHO – Forum on Health Promotion and Prevention. Child Development Panel. Chile, October 2002
- UNICEF - Development of global indicators for the psychosocial development of the early childhood period. New York, USA. November 2002.
- PAHO (Caribbean) - Injury and Sentinel Surveillance. St. Lucia. February 2003
- PAHO/Harvard/Columbia collaboration on Child Development Research in Latin America and the Caribbean. Harvard University, Boston, USA. December 2002

- UNICEF – Development of a screening programme for the identification of children at developmental risk.

Dr. Roxanne Melbourne-Chambers is currently providing consultancy services to UNICEF on the development of a curriculum on breast-feeding for medical and nursing staff and students.

Prof. Robert Gray provided consultancy services in the development of a screening programme for general health problems in children.

RESEARCH IN PROGRESS:

Dr. M. Antoine

- Comparison of Body Composition between Pregnancies of Teenage Girls and Mature Women and the Impact on Fetal Growth and Birth Outcome.

Dr. Kay Bailey

- Parental knowledge, attitudes and beliefs toward asthma
- Parents' knowledge, concerns and misconceptions about immunization : The Jamaican perspective
- Impact of cockroach infestation on asthma symptoms in children 2-12 years old
- An assessment the effectiveness of asthma clinics in Jamaica
- Physician knowledge and practice concerning Caribbean asthma guidelines

Dr. M. Barton

- Staphylococcal infection in Jamaican children : A ten year review
- The impact of HIV on epidemiology of tuberculosis in Jamaica : A ten year review
- The Paediatric OSCE : A new assessment tool
- Antibiotic use and misuse in children

- The impact of continuing medical education on physician knowledge of tuberculosis
- The clinical epidemiology of toxocariasis in Jamaican children
- Parents’ knowledge, concerns and misconceptions about immunization

Prof. Celia D.C. Christie

- “Mega-trial of Safety and Efficacy of Pentavalent (G1, G2, G3, G4, and P1) Human Reassortant Rotavirus Vaccine in Healthy Infants”, Funded by Merck and Co., USA.
- “Pediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica”, International Leadership Award, Funded by the Elizabeth Glaser Pediatric AIDS Foundation
- Administrative Support of the “Kingston Pediatric and Perinatal HIV/AIDS Leadership Initiative” from the Principal’s Office, UWI and also a Research Fellowship in Pediatric Infectious Diseases and Epidemiology for Dr Julianne Steel-Duncan.

Dr. Vernon DaCosta

- Attitudes of IVF patients regarding the IVF experience at the University of the West Indies and their children, **V. DaCosta, J. Frederick, S. Wynter**
- A 15-year Review of Laparoscopic Female Sterilisation at the University of the West Indies, documenting the successful use of outpatient sterilization under local anaesthesia (Data analysis in preparation), H Wynter , S. Wynter, **V. DaCosta** and J. Frederick.
- A review of the first sixty cases of no-scalpel vasectomy (A new technique) performed in the fertility management unit of the University of the West Indies, **V. DaCosta**, J. Frederick, S. Wynter.
- A pilot study in the efficacy of the uterine artery ligation via laparoscopic for the treatment of symptomatic uterine leiomyomata, **V. DaCosta**, S. Wynter, J. Frederick.

Dr. Horace Fletcher

- Phytoestrogens in Jamaican foods and the impact on hormone dependent disease such as breast cancer, ovarian cancer, endometrial cancer, prostate cancer, cardiovascular disease and osteoporosis.
- The use of peritubal versus incisional intercede at Myomectomy to improve fertility.
- Follow-up or lack of follow-up for abnormal papanicolaou smears.
- Incidence of endometriosis in Jamaica
- Psychological development of low birth weight babies

Dr. Joseph Frederick

- Double blind randomized trial on the Use of Interceed on oviducts and incisions versus incision to increase pregnancy rates post myomectomy.
- Operative morbidity of patients undergoing myomectomy compared to abdominal hysterectomy
- The incidence of autoimmune antiantibodies in patients with recurrent abortions.
- Ovarian hyperstimulation syndrome in patients undergoing controlled ovarian stimulation.
- Male infertility, incidence and aetiological factors and treatment options

Dr. Anthony Mullings

- Hypoviscosity in pre-eclampsia is associated with poor perinatal outcome. Pepple DG, Reid HL, **Mullings AM**, et al.
- An unusual case of ovarian tumor. Coard K, **Mullings AM**, et al.

Dr. Russell Pierre

- OSCE development in Child Health - evaluation of OSCE in the end-of-senior clerkship assessment 2002-2002.

- The frequency of CDC-defined clinical conditions among children with HIV/AIDS (prospective follow-up of HIV infected children attending the Kingston Paediatric and Perinatal HIV/AIDS)

Dr. A. Pottinger

- The use of corporal punishment in the classroom
- Content analysis of crime and violence reporting in print and broadcasting media in Jamaica

Dr. Carole Rattray

- Treatment of Hyperemesis Gravidarum with Steroids.
- Subfascial haematomas following Pfannenstiel incision – is a subfascial drain justified.
- Normal Semenanalysis in Jamaica.
- Audit of Radical Hysterectomies done at the University of the West Indies.

Dr. M. Samms-Vaughan

- Health developmental and behavioural outcomes for Jamaican adolescents at 15-16 years old.
- Community, domestic and school violence in Jamaican children. Exposure and effects
- Autism in Jamaica, prevalence and presenting features.
- Child abuse in Jamaica: prevalence, presenting features and quality of care
- Psychosocial and academic correlates of stress in Jamaican adolescents: a biochemical study
- Parental stress in Jamaica
- Self esteem, school performance and behaviour in Jamaican adolescents
- The influence of parental presence on child behaviour and development

Dr. M. Thame

- Pregnancy outcome and maternal weight gain in women with homozygous SS disease and birth outcome
- A comparison of body composition between pregnancies of teenage girls and mature women and the impact on fetal growth and birth outcome

Dr. H. Trotman

- Pain and pain management in the newborn: Knowledge, attitudes and practices of health care providers.
- Outcome of neonates admitted to the Intensive care Unit at the University Hospital of the West Indies: A 15 year review
- The epidemiology of bacterial infections in the neonatal unit at the University Hospital of the West Indies
- Comparison of body composition between pregnancies of teenage girls and mature women and the impact on foetal growth and birth outcome
- The epidemiology of unintentional childhood injuries in Jamaica

PAPERS PRESENTED:

Dr. Kay Bailey

- “Update on the management of acute asthma exacerbations in children”, Jamaica Medical Association Conference, March 2003.
- “The management of chronic asthma in children”, 48th Bi-annual Conference of the Nurse Practitioners Association, June 2003.

Dr. Michelle Barton

- “Otitis Media - keeping pace with diagnosis and current management”. Continuing Medical Education Conference: Montego Bay Chapter of Physicians, September 2002.
- “Tuberculosis - the essentials of diagnosis. TB update”, Ministry of Health Conference, December 2002

- “The use and abuse of antibiotics” Paediatric Association of Jamaica 14th Biennial International Conference, Kingston, March 2003.
- “Pneumococcal pneumonia - The Jamaican experience”, Caribbean Health Research Conference, Nassau, Bahamas, April 2003.
- “Hypernatremic dehydration in Jamaican breast-fed neonates : An eleven year review in a baby friendly hospital”, Caribbean Health Research Conference,
- “Meningitis in Children”. Ena Thomas Memorial Symposium on Emergency Medicine, Le Meridien Jamaica Pegasus Hotel, Kingston, Jamaica, November 17, 2002.

Christie C. D.

- “Pediatric and Perinatal HIV Leadership Initiative in Kingston, Jamaica.” Elizabeth Glaser Pediatric AIDS Foundation, “ANNUAL THINK TANK”, Loew’s Ventanna Canyon Resorts, Tuscon, Arizona, On November 21-24, 2002.
- “Pediatric and Perinatal HIV/AIDS and Guidelines for Anti-Retroviral Therapy.” Guest Speaker, LASCO Pharmacist of the Year Awards Function, Terra Nova Hotel, Kingston, Jamaica, December 1, 2002.
- “Perinatal HIV transmission reduction”. Perinatal Conference, Department of Obstetrics, Gynaecology and Child Health, 09 Feb, 2003.
- “Care and Research Programs: Issues with HIV Infected Women, Children Adolescents and Families in Jamaica.” *National Institutes of Allergy and Infectious Diseases*, Division of AIDS, Pediatric AIDS Clinical Trials Group Leadership Retreat, Puerto Rico, April 26-29, 2003.
- “Antiretroviral Drug Therapy in Children”. HIV Clinical Management and ARV Therapy Regional Workshop, Sponsored by Ministry of Health, Jamaica, USAID, CDC, CAREC, PAHO,WHO, in Montego Bay, May 14-16, 2003.
- “A Paediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston Jamaica”. Paediatrics Grand Rounds – Clinico-

Pathological Conference, 09 April, 2003, Faculty of Medicine,
UWI – Campus, Jamaica.

Dr. Vernon DaCosta

- “Management of postmenopausal bleeding”, The Junior Fellows of the American College of Obstetricians and Gynaecologists symposium, Kingston, Jamaica, July 2003.
- “Management of chronic pelvic pain”, The American College of Obstetricians and Gynecologists District IV Symposium, Kingston Jamaica, March 2003.
- “Ovarian dysfunction with special emphasis on polycystic ovarian syndrome”, Association of General Practitioners of Jamaica Endocrinology Seminar, Alhambra Inn Hotel, April 2003.
- “Management of pelvic pain”, Association of General Practitioners of Jamaica emergency medicine seminar, Kingston, Jamaica, February 2003.

Dr. Horace Fletcher

- “Hypertensive disorders of pregnancy”, UWI Perinatal Conference 2003
- “Vulval Cancer in Jamaica 2003” Clinicopathological conference – UHWI
- “Vulval Cancer in Jamaica 2003” Caribbean Health Research Conference - Bahamas
- “Cervical Cancer Community education, research, evaluation of needs, what the future holds”, Grabham Society, LOJ Centre, Kingston, Jamaica 2003

Dr. Joseph Frederick

- “Endometriosis, Investigations and Treatment Options”, Continuing Medical Education Nassua, Bahamas, May 29, 2003
- “Investigations and management of infertility”. The Association of General parishioners of Jamaica. Alhambra Hotel, June 15, 2003

- “Assisted Reproduction in Jamaica/The expectant mother”. Commonwealth Association of pharmaceutical society. Jamaica Grande Hotel, August 17 ,2003.

Dr. Sharmaine Mitchell

- “Epidemiology, screening and diagnosis of uterine cancer” Grabham Society Clinical Symposium, LOJ Centre, Kingston, Jamaica, 2003.

Dr. Anthony Mullings

- “Congenital Malformations”, Clinicopathological conference, UHWI, November 2002
- “Questioning as a teaching tool”, Instructional Development Unit Workshop, January 2003.
- “Prenatal diagnosis”, Perinatal Mortality and Morbidity Conference, UWI, February 2003.

Dr. Russell Pierre

- “Daycare and your child”. Paediatric Association of Jamaica, 14th Biennial International Paediatric Conference on Community Paediatrics, Jamaica Pegasus Hotel, Kingston. March 2003.
- “HOPE worldwide Jamaica HIV Maze - an innovative intervention for HIV/AIDS education and prevention in Jamaican high school students”, 48th Annual Council and Scientific Meetings, Caribbean Health Research Council, Nassau, Bahamas. April-May 2003.
- “A novel pilot camp for adolescent children of HIV positive parents in Jamaica”. Annual National Institute of Mental Health (NIMH) International Research Conference on the Role of families in preventing and adapting to HIV/AIDS, Capitol Hilton Hotel, Washington DC, USA. July 2003.

Dr. Audrey Pottinger

- “Effects of loss and violence on 9-10 year olds in inner city communities”. World Mental Health Day Conference, Jamaica Conference Centre, October 2002.

Dr. Maureen Samms-Vaughan

- “Determinants of early childhood development in Jamaica”. PAHO/WHO /Chile Forum on Health Promotion. Enabling and Empowering Partnerships for Health, Santiago, Chile. October, 2002
- “Exposure to violence: risk and protective factors and effects”. 16th Annual Mental Health Conference. Jamaica Conference Centre. October 2002.
- “Factors associated with violence and aggression in Jamaican children”. PAHO Technical Working Group Conference, St. Lucia, November 2002.
- “Long term outcome from neurological handicap”. Perinatal Conference 2003, Department of Obstetrics, Gynaecology and Child Health, Faculty of Medical Sciences, UWI. February 2003.
- “Child Abuse, death and disability. Paediatric Association of Jamaica”, 14th Biennial International Conference 2003. Jamaica Pegasus Hotel, Kingston, Jamaica. March 2003.
- “The Jamaican Child’s Rights to Education”. Workshop on the Inter-American System of Human Rights and the Promotion and Defense of the Rights of the Child. Knutsford Court Hotel, Kingston, Jamaica. June, 2003.
- “Does HTLV1 infection affect childhood mental development?”. 11th International Conference on Human Retrovirology. Cathedral Hill Hotel, San Francisco, California. June 2003.
- “The influence of crime and violence on childhood”. Medical Association of Jamaica Conference. Jamaica Pegasus Hotel, June 2003.
- “The developmental and behavioural impact of paediatric disease”. Medical Association of Jamaica Conference, Jamaica Pegasus Hotel. June 2003.

Dr. Minerva Thame

- “Early origins of adult disease”. Perinatal Conference 2003, Department of Obstetrics, Gynaecology and Child Health, Faculty of Medical Sciences, UWI. February 2003.

- “The role of maternal size and adiposity in programming offspring blood pressure and HPA activity” (poster), Second World Congress on Fetal Origins of Adult Disease. Brighton, UK. June 2003
- “Age at adiposity rebound is a predictor of blood pressure and body composition in Jamaica children” (poster) Second World Congress on Fetal Origins of Adult Disease. Brighton, UK. June 2003

Dr. Helen Trotman

- “Overview of neonatal statistics 2002”, Special Care Unit, UHWI, Department of Obstetrics, Gynaecology and Child Health, Perinatal Conference, February 2003.
- “Hypernatremic dehydration in Jamaican breast-fed neonates: An eleven year review in a baby friendly hospital”, Caribbean Health Research Conference, Nassau, Bahamas, April 2003.

PUBLICATIONS

Refereed:

- * “Respiratory Disorders in Newborns,” **Antoine M**, *WTMJ* 2003; 52(1): 1
- * Kawasaki Syndrome associated with Group A Streptococcal and EBV Co-infections. *Annals of Tropical Paediatrics* 2002; 22:257-60. **Barton M, Melbourne R**, Morais P, Christie C.
- * Cervical Pregnancy: Case Report and Review, *WTMJ* 2002; 51(4): 257, **V. DaCosta, S. Wynter, J. Frederick, H. Wynter** and **H. Fletcher**.
- * Successful pregnancy after hysteroscopic Metroplasty. **V. DaCosta, S. Wynter, J. Frederick, H. Wynter, M. Williams**.
- * Placental separation due to lap seat belt injury during air travel. **Fletcher H**, Wharfe G and **Mitchell S**. *J Obstet Gynaec* 2003, 23:73-80

- * Induction of labour with vaginal misoprostol: A comparison of 50ug twice daily (50bd) with 100ug used once daily (100od) Rockhead C., **Fletcher H.** and Morgan O. *Int. J Obstet Gynae* 2003, 80:271-277
- * Ultrasound derived growth curves for a Jamaican population. **Thame M.** Osmond C., **Fletcher H.** *WTMJ* 2003 52:99-110.
- * In vitro fertilization – The Jamaican experience. **Frederick J., Wynter S., DaCosta V.,** Frederick C., Aldis G., Birch H., **Wynter H.H,** Williams R., McKenzie C., McCleod Y. *WTMJ.* 2002 Dec; 50(4):278-81.
- * Endometriosis co-existing with Bilateral Dermoid Cysts of the ovaries treated by laparoscopy, **J. Frederick, V. DaCosta, S. Wynter,** I. Tennant, C. McKenzie and Y. McDonald. *WTMJ* 2003,52:179-181.
- * Operative Morbidity and reproductive outcome in secondary myomectomy; A prospective cohort study. **J. Frederick, M. Hardie, M. Reid, H. Fletcher, S. Wynter,** C. Frederick Human Reproduction. 2002, 11:2269 –72.
- * Formaldehyde soaked packs to stop intractable bleeding in Obstetric patients.**H Fletcher,** G Wharfe, **S. Mitchell,** J. Simon. *J Obstet and Gynae* 2002; 22:570-1.
- * Progressive Epstein-Barr infection in a six-year old male. **R. Pierre, R. Melbourne-Chambers,** G. Blake, E. Williams. *WTMJ* 2002; 51 (4): 247-250.
- * Suicidal behaviour and risk factors in children and adolescents in Jamaica. **Pottinger A.,** Milbourn P., Leiba J. (2003). *WTMJ,* 52, 127-130.
- * “Hepatitis B associated nephrotic syndrome in Jamaican children.” Miller, M.E.Y., **Pierre R B,**Plummer MH, Shah D J *Annals of Tropical Paediatrics* 2002; 22: 261-266.
- * “HIV Infection Seroprevalence and risk factor study among pregnant women attending the Antenatal Clinic at the University Hospital of the West Indies”, Kingston, Jamaica. Perry D, Reid M, **Thame M, Fletcher H, Mullings A,** McCaw-Binns A, King D, **Rattray C,** *WTMJ* 2002; 51 (2): 80-83.

- * Determining early childhood indicators for Jamaica: a methodological approach. **Samms-Vaughan ME**, Williams S, Brown J, *Journal of the Children's Issues Coalition*. 2003; 1: 39-53.
- * Early academic learning problems of Jamaican children: possible family influence. Kirsch EA, Lambert M, Bhagwanaji J, **Samms-Vaughan M** *Journal of International Special Education and Services* 2003, 6: 6-13.
- * "Shortness at birth is associated with insulin resistance in pre-pubertal Jamaican children. Bennett, FI, Watson-Brown C, **Thame M**, Wilks R, Osmond C, Hales N, Baker DJP, Forrester T, *Eur J Clin Nutr*. 2002; 56 (6): 506-511.
- * "Primary malnutrition - can you tell?" Stephen C, **Thame MM**, Gray R, Wilks R, Forrester T, McKenzie C, *WIMJ* 2002; 51 (3): 148.
- * "The relationship between circulating insulin-like growth factor-I (IGF-I), IGF-I binding proteins-1 and -2 and birth anthropometry "A prospective study. Boyne M, **Thame M**, Bennett F I., Osmond C, Miell J P, Forrester, T E, *J Clin Endocrinol Metab* 2003; 88:1687-1691.

Non-refereed

- * "My child - Caring for children with HIV". A parent handbook on Child Health. **Pierre R**, Bailey A Bain P, Levy B, Ramsay H Centre for HIV/AIDS Research, Education and Services, UNICEF 2003.
- * "Ultrasound derived fetal growth curves for a Jamaican population". **Thame M**, Osmond C, **Fletcher H**, Forrester T *WIMJ* 2003; 52 (2): 99-100.

Abstracts:

- * factors associated with poor outcome in Jamaican Children with Pneumococcal Meningitis. **Barton M**, McGregor D, Trotman H *WIMJ* 2002; 51: (suppl 2): 27
- * Hypernatremic Dehydration in Jamaican Breast-fed Neonates: a ten-year review in a baby-friendly hospital. Trotman H, Lord C, **Barton M**, Antoine M *WIMJ* 2003; 52 (suppl 2):30

- * Pneumococcal Pneumonia – The Jamaican experience. Howell N, McGregor D, **Barton M**, Thomas S *WIMJ* 2003; 52 (suppl 2): 29
- * Vulvectomy at the University Hospital of the West Indies: a review. *WIMJ* (2003 Suppl.) Vol 52:33. **R Mansoor, H Fletcher, S Mitchell, C Rattray**, M Reid, **S Kulkarni**
- * Medical paediatric admissions to the University Hospital of the West Indies in 1999. Eck C, **Pierre R**, Hambleton I *WIMJ* 2002; 51 (suppl 4): 33-34.
- * HOPE worldwide Jamaica HIV Maze – an innovative intervention for HIV/AIDS education and prevention in Jamaican high school students. Swaby P, **Pierre R**, Sue-Ho R, Norman L *WIMJ* 2003; 52 (suppl.3): 70.
- * Vulvectomy at University Hospital of the West Indies; a review. **R. Mansoor, H Fletcher, S Mitchell, C Rattray**, M Reid *WIMJ* (Supp3) 2003 52:33
- * Hormonal contraception and cervical dysplasia in Jamaican women. P Bazuaye, M Jackson, M Smikle, **H Fletcher, C Rattray**, N McFarlane, *WIMJ* Supp3 2003 52:36.
- * Blood pressure, nitric oxide levels and the glu298asp variant of endothelial nitric oxide synthase and pre-eclampsia in Jamaican women. **H. Fletcher**, *WIMJ* Supp 3 2002 52:36
- * Risk factors for unplanned pregnancies in Jamaican University students. **H Fletcher**, *WIMJ* Supp3 2003 52:76-77.
- * Factors associated with poor outcome in Jamaican Children with Pneumococcal Meningitis. Barton M, McGregor D, **Trotman H** *WIMJ* 2002; 51: (suppl. 2): 27
- * Hypernatremic Dehydration in Jamaican Breast-fed Neonates: an eleven year review in a baby friendly hospital. **Trotman H**, Lord C, **Barton M, Antoine M** *WIMJ* 2003; 52 (suppl 2):30.
- * “Kawasaki syndrome associated with Group A streptococcal and EBV Co-infections. **Barton M, Melbourne R, Morais P** Cambridge Scientific Abstracts (CSA) 2003. AIDS and Cancer Research Abstracts: Accession number 5534969

- * Herpernatraemic Dehydration in Jamaican Breast-Fed Neonates: An eleven year review in a baby friendly hospital. **Trotman H**, Lord C, **Barton M**, **Antoine M** *WIMJ* 2003; 52 (suppl 2): 30

PUBLIC SERVICE

Dr. Antoine, M.

- Chairman, Education Committee, Paediatric Association of Jamaica
- Member, Juvenile Advisory Council

Dr. Bailey, K.

- Volunteer paediatrician for Asthma clinic at Mandeville Hospital

Dr. Barton, M.

- Paediatrician for Pentab Nursery (inner city nursery)
- Teacher/Counsellor for Inner City Children Outreach

Dr. Melbourne-Chambers, R.

- Vice President, Paediatric Association of Jamaica Professional Societies/Activities

Professor Christie, C. D.

- Inaugural Member, HIV Medicine Association of America
- Member, Pediatric Infectious Diseases Society of America
- Chairperson, Professional Development and Equity Committee of the Infectious Disease Society of America
- Non-Executive Board Member, Scientific Research Council of Jamaica
- Non-Executive Board Member, Bank of Nova Scotia Jamaica Limited and Bank of Nova Scotia Jamaica Life Insurance Company Ltd
- Member, Private Sector Organization of Jamaica, Corporate Governance Committee

Dr. Vernon DaCosta

- Member, Kiwanis Club of Liguanea

Dr. Horace Fletcher

- President, Grabham Society (Jamaican Association of Obstetricians and Gynaecologists)
- Vice Chairman, West Indies Section American College of Obstetricians and Gynecologists
- Floor Member, Senior Common Room Committee
- Member, International Committee to review Screening for Cancer Cervix in the Caribbean
- Member, organizing committee, Faculty Research Day 2003

Dr. Joseph Frederick

- University examiner for Obstetrics and Gynaecology
- Director , Assisted Reproductive Technology programme, Fertility Management Unit.
- Member, Grabham Society (Jamaican of Association of Obstetricians and Gynaecologists)
- Chairman, Specialty Board of Obstetrics,Gynaecology and Child Health.
- Member, Pacesetters Toast Masters Club.
- Chairman, Curriculum Review Committee for postgraduate training in Obstetrics and Gynaecology.

Dr. Millard, D.

- Chairman, Adoption Board
- Chairman, Bustamante Hospital for Children Management Committee
- Member, South East Regional Health Authority Board
- Member, Technical Subcommittee of South East Regional Health Authority
- Consultant, Ministry of Health Rheumatic Fever Programme

Dr. Sharmaine Mitchell

- Examiner, Caribbean Medical Council
- Gynaecologist, Grants Pen and Stella Maris Foundation Outreach Programme

Dr. Pottinger, A.

- Vice President, Jamaica Psychological Society
- Consultant, University Council of Jamaica
- Consultant, Children Homes, United Church of Jamaica and Grand Cayman
- Member, Steering committee, Psychological Support Team, Jamaica Red Cross
- Board member, McCam Child Development Centre

Dr. Samms-Vaughan, M.

- Board Member, Vaz Preparatory School
- Board Member, Queens High School
- Board Member, Promise Learning Centre
- Consultant, Jamaica Attention Deficit Disorder Association
- Member, Society for Developmental and Behavioural Paediatrics, USA
- Member, Society for Research in Infant and Child Development, UK

Dr. Thame, K.

- Secretary, Paediatric Association of Jamaica

Dr. Thame, M.

- President, Paediatric Association of Jamaica
- Member, UNICEF Committee for the revision of breast feeding training curricula for medical and nursing staff
- Volunteer Paediatrician, Best Care Lodge Children's Home

Dr. Trotman, H.

- Member, Paediatric Association of Jamaica (PAJ Executive)
- Editor , “The Pickney”, PAJ quarterly newsletter
- Member, Paediatric Association of Jamaica Educational Committee
- Member, Paediatric Association of Jamaica Planning Committee for the 14th Biennial International Conference

CATEGORIES OF STUDENTS:

Five postgraduate students were successful at the DM Paediatrics Part II (final) examinations held at the Mona Campus this year. Three students were from the Mona Campus. The Section facilitated the examination of two students from the Cave Hill Campus. Four postgraduate students were successful at the DM Part I examination.

Obstetrics & Gynaecology

This year marks the beginning of the introductory lectures to the preclinical students which is part of the urogenital module. This was concurrent with the weekly lectures to the students under the old system.

All 5 candidates were successful in the November/December MBBS examinations and 72 out of 76 students were successful in the May/June. One student received a distinction and eight received honors in Obstetrics and Gynaecology.

The postgraduate training is currently under review particularly with the advent of the restructuring exercise and the demands of the changing technology.

On the 31st May this year the department hosted a retreat on the DM programme which included participants from all the territories involved in postgraduate training in obstetrics and gynaecology. At that retreat a comprehensive review was conducted which critically evaluated the current programme. In the afternoon concurrent sessions were held to discuss the following areas,

- (a) Evaluation of the teaching in current programme and recommendations for the future,

- (b) Relevance of the research component in the training programme/role of the supervisors.
- (c) Evaluation of the current examinations and External examiners reports.
- (d) Is there a place for sub-specialization post training?

Then a team leader from each group outlined the recommendations on how to improve the programme which will be evaluated by a subcommittee prior to submission to the graduate committee.

Two out of the three candidates were successful in the Doctor of Medicine in Obstetrics and Gynaecology in the May/June examinations.

DISTINGUISHED VISITORS

Dr. Ray Bahadeo-Singh, Head of Department (O&G),
University of Cincinnati, Ohio

Professor Robert Shaw, University of Nottingham, UK.

Professor Stephen Smith, University of Cambridge, UK

Dr. Raleigh Butler, Head of Department, (O&G), Bahamas

Dr. Fernando Barros, Montevideo, Uruguay

Dr. Celia Burrell, London, England

Dr. Reginald Carey, UWI, Bahamas

Dr. James Johnson, UWI, Bahamas

Mary-Lou Snyder-Dunn, Ingenix Clinical Research
Organization, USA

Betsy Adcock, Ingenix Clinical Research Organization, USA

Tiffany Nguyen, Ingenix Clinical Research Organization, USA

Matthew Brown, Ingenix Clinical Research Organization, USA

Elizabeth Skyles, Ingenix Clinical Research Organization, USA

Dr Ed Cooper, Visiting Professor of Pediatrics, England

Dr Maggie Feeney, Harvard University, USA

Dr Philip Goulder, Oxford University, England

Dr Beryl Irons, CAREC/PAHO/WHO, Trinidad

DEPARTMENT OF PATHOLOGY

Professor Barrie Hanchard MBBS FRCPC FRCP *Edin*
– Head of Department

WORK OF THE DEPARTMENT

Overview

The work of the department for 2002/03 has been influenced by the introduction of the new undergraduate curriculum, the continuing need for trained pathologists in the region, the ascendancy of laboratory medicine in clinical practice and the importance of cancer research as a means of improving the general health of the population.

The combination of basic and clinical medical sciences that constitutes the discipline of pathology has strongly influenced the role of the department in the execution of the new undergraduate curriculum. The inclusion of general and systematic pathology into modules taught in the first and second years of the curriculum placed heavy demands on the teaching resources of the department, given the overlap with the traditional courses in the 'old' curriculum for the classes of 2004 and 2005. At the same time a full postgraduate training programme had to be maintained.

The current trend in clinical practice where laboratory medicine drives clinical medicine has challenged the department to maintain laboratory services at a level befitting a modern Teaching Hospital, in the light of increased demands for laboratory tests fundamental to the diagnosis and management of disease.

The emergence of the chronic diseases as a group contributing to significant morbidity and mortality in the population has highlighted the role of cancer research within the department. Through the various

research projects related to cancer, the department continues to provide information necessary for the formulation of cancer prevention and control programmes by health care administrators.

TEACHING

Undergraduate

This being the second year since the introduction of the new curriculum there were teaching responsibilities for the classes of 2006 and 2007 as well as for the classes of 2004 and 2005, being taught under the 'old' curriculum. As a result, the teaching resources in the department were heavily committed not only for the execution of teaching protocols but also for the development and planning of modules and for course assessments. The emphasis on seminars, tutorials and problem oriented learning (POL) exercises required increased input from the staff which had been augmented in 2001/02 in anticipation of this demand. The revolving programme of utilizing resident staff in the department to assist the Anatomy Section with the teaching of Histology proved very successful and should continue indefinitely.

Final examinations in Pathology and Microbiology (MB BS Stage II Part I) for the class of 2004 were conducted in April/May 2003. Ninety (95) students sat the examination. Of these, seventy seven (77, 81%) were successful; eight (8) passed with honours.

Postgraduate

The postgraduate programmes in the department leading to the DM (Path) UWI degree continued to operate at maximum capacity. All thirteen (13) University Hospital posts were occupied with the result that the accession of new candidates was entirely dependent on the graduation of those completing the programme.

In the October/November final examinations in 2002 one candidate was successful in the DM(Path) Anatomical Pathology examination and one in the DM(Path) Haematology examination. Both graduates have accepted professional posts in their native Caribbean countries.

The exchange programme with the University of Fort de France in Martinique which accepts residents for 6-month rotations in surgical pathology has been placed in abeyance due to the lack of residents with sufficient seniority to accept these posts. It is expected that during the

next academic year the programme will be reinstituted as new residents earn the necessary qualifications.

RESEARCH

The HTLV-1 project entered its twentieth year as the largest funded research project in the Faculty. This project, a joint collaborative effort between the National Cancer Institute and the National Institutes of Health (NCI/NIH), Bethesda, USA and the department of Pathology continued research in several areas related to HTLV-I and its associated diseases in Jamaica. For 2002/03, the first year of a newly negotiated contract, emphasis was placed on the development and maintenance of new cohorts through which the natural history of HTLV-I infection in childhood and adulthood could be further defined. Other major areas of research continued as before, namely the study of specific disease associations – Adult T cell leukemia/lymphoma (ATL), Tropical Spastic Paraparesis (TSP) and Infective Dermatitis (ID). Treatment protocols for ATL executed either locally or at the National Cancer Institute continued to provide comparative data on the efficacy of treatment.

Other research projects in the department were heavily weighted towards the epidemiology, natural history and descriptive pathology of various cancers. The Jamaica Cancer Registry, based in the department, continued to collect, analyse and publish data on cancer incidence, and the recently expanded portfolio which now includes cancer mortality, has enabled the registry to adopt the global trend of reporting data on both cancer incidence and cancer mortality. The registry has also provided the framework on which members of staff developed and executed several other cancer research protocols. These include research into the major cancers affecting the population i.e. cancers of the prostate, breast, cervix, colon and blood. The prostate cancer project, a collaborative effort between the TMRI, the department of Pathology, the Urology division of the Department of Surgery, the University of Lagos in Nigeria and the University of Loyola in Chicago, and funded by the US Government Department of Defense, completed data collection in 2002. Data analysis has continued in preparation for presentation and publication of the data collected.

Research in subspecialty areas completed the remainder of the research portfolio of the department as follows: Renal pathology (Dr. Shah), cancer incidence and mortality (Professor Hanchard, Dr. Blake and

Dr. Gibson), haematology/oncology (Drs. Wharfe, Brady-West, Buchner and Taylor-Houston), chronic and metabolic diseases (Professor Bennett and Dr. Choo-Kang), cytology and autopsy practice (Drs. Escoffery, Shirley and Gibson), neuropathology (Drs. Char and Jaggon), gastrointestinal and liver disease (Professor Hanchard and Dr. Nadia Williams), immunohistochemistry (Dr. Elaine Williams) and pediatric pathology (Dr. Bishop).

The work in this area earned four awards for the department at the 2002/03 Annual Research Day Awards Ceremony:

- “Best Research Publication” **Professor M.G. Lee,**
 Professor B. Hanchard et al
- “Largest amount of Funding” The HTLV-I project:
 Professor B. Hanchard,
 Principal Investigator
 The Prostate Cancer Project:
 Professor F. Bennett,
 Principal Investigator
- “Most Research Activity” Cancer Epidemiology and
 Pathology
 Academic Staff, Department
 of Pathology

Details of Research Projects are as follows:

Funded Projects

a) **HTLV-1 PROJECT**

Collaborators (local)	Departments of Pathology,	
Medicine,	Section of Child Health and TMRI	
Investigators (local)	Funding	Agency
Professor B. Hanchard	US\$4,000,000	NCI/NIH
(Principal)		
Dr. E. Williams	2001-2005	Bethesda, USA

Dr. N. Williams (5 years)

Dr. G. Wharfe

Professor R. Wilks

Professor O. Morgan

Dr. M. Samms-Vaughan

Dr. A. East-Innis

b) **PROSTATE CANCER PROJECT**

Collaborators (local)	TMRI, Department of Pathology and Urology Division, Department of Surgery
------------------------------	--

Investigators (local)	Funding	Agency
Professor F. Bennett (Principal)	US\$100,000	US Department of Defense

Professor K. Coard	(3 years)
--------------------	-----------

Dr. F. Tulloch	2000-2002
----------------	-----------

Professor T. Forrester	completed
------------------------	-----------

Dr. W. Aiken

NON-FUNDED PROJECTS

c) **THE JAMAICAN BREAST DISEASE STUDY**

Collaborators:	Department of Pathology and the Department of Surgery, Radiology and Intensive Care.
-----------------------	---

Investigators

Dr. S. Shirley (Principal)

Dr. D. Mitchell

Dr. D. Soares

d) **AN ANALYSIS OF MEDICOLEGAL (CORONER'S) AUTOPSIES AT THE UNIVERSITY HOSPITAL OF THE WEST INDIES**

Investigators

Dr. C. Escoffery (Principal)

Dr. S. Shirley

e) **THE USEFULNESS OF TOUCH PREPARATION
CYTOLOGY IN AUTOPSY DIAGNOSIS**

Investigators

Dr. S. Shirley (Principal)

Dr. C. Escoffery

f) **THE PATHOLOGY OF BREAST CANCER IN
JAMAICA**

Collaborators: Department of Pathology and
National Public Health

Laboratory, Ministry of Health

Investigators

Dr. S. Shirley (Principal)

Dr. P. Sinclair

Dr. M. Stennett

Dr. R. Bhatt

Dr. G. Codrington

g) **COLON CANCER STUDY GROUP**

Collaborators Departments of Pathology,
Surgery, Medicine and TMRI

Investigators

Dr. D. Brady-West (Principal)

Professor B. Hanchard

Dr. N. Williams

Dr. M. Newnham
Professor P. Fletcher
Dr. M. McFarlane
Professor M. Lee
Dr. M. Reid

h) **RENAL AND HEPATIC CADMIUM LEVELS
IN HUMANS**

Collaborators **Department of Pathology and
International Centre for
Environmental and Nuclear**

Sciences

Investigators

Dr. N. Williams (Principal)
Professor G. Lalor
Dr. R. Rattray
Dr. P. Wright

STAFF

Promotions

The department welcomed the promotions of **Dr. Kathleen Coard** to the post of Professor of Anatomical Pathology and **Dr. Gilian Wharfe** to the post of Senior Lecturer in Haematology.

Curriculum Development

Several members of staff are involved in the development of the new curriculum. Dr. Elaine Williams continues to serve as Chairman of the Assessment Committee, with Dr. Eric Choo-Kang and Dr. Kathleen Coard being members of the Committee; Drs. Carlos Escoffery and Gilian Wharfe are the Module Leaders for the Genito-Urinary and Haematology Modules respectively and Dr. Nadia Williams, Dr. Elaine Williams, Dr. Eric Choo-Kang and Dr. Gilian Wharfe are departmental representatives for the Stage II MBBS Planning Committee.

Research Fellowship

Dr. Garfield Blake was the recipient of a Fellowship from the International Agency for Research on Cancer (IARC) which allowed his participation in a workshop on cancer registration in Lyon, France and subsequent attachment to the Cancer Registry in Cork, Ireland.

Continuing Medical Education

The department renewed registration for the fall and spring teleconferences of the American Society for Clinical Pathology (ASCP) with Dr. Garfield Blake as the local convener. Members of staff attending these teleconferences were awarded CME points, now mandatory for the maintenance of professional registration.

The staff also attended local and international conferences/workshops and visited overseas Universities. These conferences and visits not only served to widen their scope of practice but also established professional liaisons important for future collaborations. Dr. Blake visited Jackson Memorial Hospital, University of Miami as a visiting fellow in Cytology and Surgical pathology, Dr. Tracey Gibson attended a conference on Genetic Epidemiology sponsored by the IARC in Annecy, France, Dr. Jaggon visited the Neuropathology Unit at the University of Toronto and Dr. Wharfe attended the annual meeting of the American Society of Clinical Oncology in Chicago, USA.

LABORATORY SERVICES

The laboratory services effected an increased output over that of the previous year despite the ongoing changes to the physical plant consequent on Phase II of the major refurbishing exercise involving the Hematology and Chemical Pathology Laboratories. This refurbishing, designed to improve laboratory efficiency with the sharing of space and equipment by the Hematology and Chemical Pathology laboratories should be completed in December 2003. It will create a clinical pathology unit sufficient to support teaching and research in the laboratory disciplines while serving to deliver the needs of laboratory medicine at the UHWI. The installation of new items of equipment designed to handle the increased volume and range of requests in clinical pathology awaits the completion of the construction.

In Phase I of the project the Surgical Pathology and Cytology laboratories were refurbished and now operate at full capacity providing

services for the UHWI and the Tony Thwaites Private Wing as well as providing consultations for local and regional private and public hospital systems.

Quality Assurance/Laboratory Accreditation Programme

The department, in the latter half of 2002, entered into an agreement with the Ministry of Industry and Commerce through the National Quality Infrastructure Project to undergo a laboratory accreditation programme designed to maintain proper quality assurance and to enable the laboratories to be registered as international reference laboratories. This project, being executed by quality assurance consultants of the Swedish Government will ultimately see the laboratories satisfying the International Laboratory Standard (ILO 17025) through a step-wise programme of accreditation.

Computerization

Plans for the complete computerization of the laboratories which were estimated to have been completed during the first quarter of 2002 have yet to be realized. They have been placed in abeyance until problems encountered with the acquisition and installation of hardware and software have been rectified and a central collection area for specimen accession has been provided. It is expected that this will be coordinated to coincide with the opening of the new clinical pathology laboratory.

PAPERS PRESENTED

11th Annual Research Day Conference, Faculty of Medical Sciences, UWI, Mona, Jamaica.

- “Rheumatic Heart Disease in Jamaica – a 12 year retrospective post mortem review” **J. Jaggon, K. Coard**
- “Infective endocarditis at the University Hospital of the West Indies: A revisit” **D. Skeete, K. Coard**
- “Intravenous cyclophosphamide pulse therapy in patients with systemic lupus erythematosus and diffuse proliferative glomerulonephritis” **D. Shah, W. Williams, A. Bhagwandar, L.A. Sargeant**

2nd Annual Perinatal Conference, University Hospital of the West Indies, Kingston, Jamaica; February 2003

- “Perinatal Audit 2002: The Pathology Report” **K. Bishop**

45th Clinical Conference of the Association of Surgeons in Jamaica, Ocho Rios, Jamaica; May 2003.

- “Why is appendicitis still a cause of death?” The pathologist’s view” **T. Gibson**
- “Soft Tissue Tumours – A Pathologist’s View” **J. Jaggon**

48th Scientific Meeting, Caribbean Health Research Council, Bahamas, April/May 2003.

- “Renal histological changes in adults with haemoglobin SS disease. **D. Shah**, W. Williams
- “Squamous cell carcinoma of the ovary arising in dermoid cyst: differences in occurrence of this uncommon tumour” **D. Shah**, D. Gaskin, P. Gaskin.

18th Caribbean Cardiology Conference, Curacao, NA, July 2003

- “Aortic Dissection at the University Hospital of the West Indies (1989-2002): A Pathologic Perspective” **Coard Kathleen CM**, Skeete D H-A

American Association of Cancer Research Annual Meeting – Washington, DC, USA; July 2003

- “Steroid 5-alpha reductase type II V89L variant frequencies and androgen receptor CAG microsatellite lengths among black men with prostate cancer from Nigeria, Jamaica and Chicago, Illinois.” Freeman VL, Kittles R, **Bennett F**, Aiken W, Tulloch T, **Coard KCM**, Adebamowo CA, Mason T, Cudecki S, Flanigan RC.
- “Steroid 5-alpha reductase type II V89L and risk of advanced prostate cancer in Black men from Nigeria, Jamaica and Chicago.” Freeman VL, Kittles R, Adebamowo CA, **Bennett F**, Tulloch T, Aiken W, **Coard KCM**, Flanigan RC, Mason T, Cudecki S, Flanigan RC, Mason T, Cudecki S.

11th International Conference of Human Retrovirology: HTLV and Related Viruses, Cathedral Hill Hotel, San Francisco, California, June 9-12, 2003.

- “Evaluation of Viral Markers in Families with HTLV-1 Associated Diseases in the Caribbean” M. Hisada, L. LaGrenade, A. Manns, E. Maloney, **B. Hanchard**, H. Li, Bartholomew, R. Wilks.
- “Does HTLV-I Infection affect Childhood Mental Development?” ME Samms-Vaughan, E. Maloney, P. Palmer and **B. Hanchard**
- “HTLV-I Seropositivity is not associated with Adverse Pregnancy Outcomes among Jamaican Women” G. Baker, B. Cranston **B. Hanchard** E. Maloney.
- “Low Levels of Vitamin A are associated with High Levels of HTLV-I Proviral Load in HTLV-I Infected Jamaican Children” E. Maloney, M. Nagai, T. Sawada, M. Hisada, **B. Hanchard**, S. Jacobson.
- “Longitudinal Changes of Viral Markers in Asymptomatic Carriers in Jamaica” PC Vanveldhuisen, T Sawada, **B. Hanchard**, RJ Wilks, and M. Hisada
- “HLA-A*2 is not associated with HTLV-I Proviral Load among Patients with ATL, HAM/TSP and Asymptomatic Carriers in Jamaica.” H Li, M. Hisada, Y. Yamano, E. Maloney, K. Yao, **B. Hanchard**, O. Morgan, S. Jacobson.

Annual Symposium of the Grabham Society of Jamaica, July 2003

- “Chemotherapy for Ovarian Cancers” **G. Wharfe**
- “Gynaecological Cancer Incidence and Mortality” **B. Hanchard**
- “Screening programmes for Cervical Cancer” **N. Williams**

Annual Conference of the Medical Association of Jamaica, June 2003

- “Chronic Leukaemia” **G. Wharfe**

PUBLICATIONS

Refereed

- * Hepatitis-B associated nephritic syndrome in Jamaican children **Shah D**, Miller M, Pierre R, Plummer M. *Ann Trop Paediat (Eng)* 22:261, 2002
- * Histopathological findings in women with postmenopausal bleeding in Jamaica **Escoffery CT, Blake GO**, Sargeant LA. *WIMJ*. 51:232-5; 2002
- * Angiomatosis of the breast in a male child: a case report with immunohistochemical analysis. **Shirley SE**, Duncan ND, **Escoffery CT**, West AB. *WIMJ*. 51:254-6; 2002
- * Causes of sudden natural death in Jamaica: A medicolegal (coroner's) autopsy study from the University Hospital of the West Indies. **Escoffery C, Shirley S**. *Forensic Science International* 129:116-121; 2002
- * Utility of rapid staining of fine needle aspiration smears at the University Hospital of the West Indies. **Shirley SE, Escoffery CT** Reid M, Hay KK, Sutherland M, Gray J. *WIMJ*. 52:34-6; 2003
- * Chlamydia trachomatis, Herpes SimplexVirus 2 and Human T-Cell Lymphotropic Virus Type I are not associated with grade of cervical neoplasia in Jamaica colposcopy patients. Castle PE, **Escoffery C**, Schachter J, Rattray C, Schiffman M, Moncada J, Sugai K, Brown C, Cranston B, **Hanchard B**, Palefsky JM, Burk RD, Hutchinson ML, Strickler HD. *Sexually Transmitted Diseases* 30:575-580; 2003
- * Scleroderma with Cardiac Tamponade, Hyperthyroidism and Incidental Papillary Thyroid Carcinoma. Gokula RM, Gupta AK, **Shirley SE, Coard K**, Ramphal PS. *WIMJ*. 51:188-190; 2002
- * Smooth Muscle Tumours of the Vulva in Jamaica **Williams NP, Williams E**, Fletcher H. *WIMJ*. 50:4,228-231; 2002
- * Progressive Epstein-Barr Virus Infection in a six-year-old male Pierre R, Melbourne-Chambers R, **Blake G, Williams E**. *WIMJ*. 50:4, 247-250; 2002

- * Necropsy request practices in Jamaica: a study from the University Hospital of the West Indies **Gibson TN, Escoffery CT, Shirley SE** *J. Clin Pathol* 55:608-612; 2002
- * Multiple Endocrine Neoplasia Type 2B: A case report and review of the syndrome **Gibson TN, Coard KCM**, Newnham M, Boyne M. *WIMJ*. 51:252-3; 2002
- * Trends in prostate pathology at the University Hospital of the West Indies, Jamaica, over the last 10 years. **Coard K, Bishop K**, Julius J. *WIMJ*. 51:4, 277-279; 2002
- * Heart Weight and Heart Weight/Body Weight Ratios in a Jamaican Adult Autopsy Population: A Preliminary Study. **Coard KCM**, Jackson M. *WIMJ*. 52: 41-44; 2003
- * Seroprevalence of Hepatitis C Virus in hemophiliacs in Jamaica **Gilian Wharfe**, Monica Smikle, Gwendolyn Dowe, **Loretta Buchner** *Human Antibodies* 11: 61-64; 2002
- * Disseminated donovanosis (granuloma inguinale) with osteomyelitis of both wrists. Fletcher HM, Rattray CA, **Hanchard B**, Vaughan K, West WM. *WIMJ*. 51(3):194-196; 2002
- * A cohort study of health effects of human T-cell lymphotropic virus type I infection in Jamaican children. Maloney Elizabeth M, Wiktor Stefan Z, Palmer Paulette, Cranston Beverly, Pate Ernest J, Cohn Sylvia, Kim Norma, Miley Wendell, Thomas Terry L, Blattner William A, **Hanchard Barrie**. *Paediatrics* 112:136-142; 2003
- * Seroincidence of human T-cell lymphotropic virus type 1 infection and characterization of seroconverters in Jamaican food handlers. Van Veldhuisen PcC, Walters M, Sawada T, Levine PH, Wilks R, **Hanchard B**. *J Acquired Immune Deficiency Syndrome* 3:387-392; 2003
- * Human T-cell lymphotropic virus type 1 (HTLV-I): the forgotten retrovirus? **Hanchard Barrie** *Postgraduate Doctor Caribbean* 19(e):72-74; 2003
- * The relationship among circulating Insulin-like Growth Factor (IGF)-1, IGF-Binding Proteins -1 and -2, and birth anthropometry: a prospective study. Boyne MS, Thame M,

Bennett FI, Osmond C, Miell JP, Forrester TE. *J. Clin Endocrinol Metab* 88:1687-1691; 2003.

- * Placental separation from a seatbelt injury due to severe turbulence during aeroplane travel **Wharfe GH**, Fletcher HM, Mitchell SY, *Journal of Obstetrics and Gynaecology* 23:1, 73-74; 2003

VISITORS TO THE DEPARTMENT

Professor David Murray, University of Toronto, Toronto, Ontario, Canada

Dr. Michie Hisada, NCI/NIH Bethesda, Maryland, USA

Dr. Beth Maloney, NCI/NIH Bethesda, Maryland, USA

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

**Professor Archibald McDonald, MB BS, FRCSEd, FACS,
DM (Surgery) *UWI* – Head of Department**

WORK OF THE DEPARTMENT

The period under review was a successful year for the Department of Surgery, Radiology, Anaesthesia and Intensive Care. This was particularly notable in the areas of teaching and research. The Department continued to play a pivotal role in Curriculum Reform in the Faculty of Medical Sciences.

Technologically advanced equipment were acquired which facilitated complex neurosurgical operations and better resident teaching. Several distinguished surgeons visited and assisted consultant staff and residents with a number of advanced surgical procedures. Notable among these was Professor Gerald Jordan, Head of the Department of Urology at the eastern Vancouver Medical School, United States of America, who repaired several difficult urethral strictures.

Research activity was enhanced as evidenced by increased output. Dr. Paul Ramphal developed a cardiac simulator to assist with training residents in cardiac surgery, which has a patent pending for the United States of America.

The Emergency Medicine Division celebrated the 10th Anniversary of the commissioning of the Scotiabank centennial Accident and Emergency Unit (A&E). This paved the way for increased financial commitment from the Bank of Nova Scotia.

Dr Simone Dundas – a postgraduate student in surgery, won the Association of Surgeons in Jamaica and the Paediatric Association's Prizes

for best poster at the Faculty of Medical Sciences 11th Annual Research Conference, Mona – November 6 - 8, 2002.

Dr. Wayne West received a Certificate of Appreciation for invaluable service given to the School of Medical Radiation Technology, UHWI - July 2, 2003

Continuing medical education/outreach

Conferences/workshops organized:

Advanced Trauma Life Support Course, Faculty of Medical Sciences, Mona, Kingston, November 2&3, 2002.

The Jamaican Anaesthetist Association Annual Conference, October 27th 2002, Mona Visitors Lodge, Kingston.

UWI Caribbean Neuroscience Symposium, Main Lecture Theatre, January 28-31, 2003.

UWI Neurosurgery Spine Week, February 17-19, 2003. University Hospital of the West Indies

Jamaica Emergency Medicine Association, Third Annual Conference. Jamaica Pegasus, Kingston, March 2003.

Jamaica Orthopaedic Association Conference

Urological Society Conference, Jamaica Grande Hotel, Ocho Rios, February 22, 2003.

Association of Surgeons in Jamaica, 45th Annual Conference, Ocho Rios, May 10-11, 2003

Departmental Clinical Research Meeting, Faculty of Medical Sciences, Mona, UWI, May 2003.

Codman Neurosurgery Week, University Hospital of the West Indies March 17-22, 2003.

Second Bill Dennis Memorial Lecture, Faculty of Medical Sciences, Mona, June 2003.

Lectures:

“Physician Training or Medical Education: Is there a difference?”
Professor Joseph Michael Branday, Inaugural Lecture, Mona, UWI, July 31, 2003.

Surgical Grand Round Lectures:

“Abdominal Pain in Childhood.” Professor Charles Bagwell, Professor of Paediatric Surgery, Medical College of Virginia.

“Perioperative and Immunutrition.” Dr Marvin Reid, Lecturer, Tropical Metabolism Research Institute, Mona, UWI.

“Surgical Management of the Diabetic Foot.” Professor Bauer Sumpio, Professor of Vascular Surgery, Yale University, USA.

“Approach to Abdominal Pain in the Elderly.” Professor Amal Mattu, University of Maryland, USA.

“Selected Aspects of Paediatric Epilepsy Surgery: Current Management.” Professor Paul Steinbok, Vancouver, Canada.

“From Mona to Vancouver and Beyond – a Photographic Account.” Professor Paul Steinbok, Vancouver, Canada.

“General Principles of Urethral Reconstruction Surgery.” Professor Gerald Jordan, Eastern Virginia Medical School, USA.

“Guidelines for the Management of Acute Cervical Cord Injuries.” Neurosurgical Service.

“Current Concepts in the Management of Erectile Dysfunction.” Dr Brian Stone, Columbia Presbyterian Hospital, USA.

“Surgery in Gastroesophageal Reflux Disease.” Dr Rajinder Ganhi, Columbia University, USA.

Rural Rounds:

Members of the Section of Surgery have continued the outreach programme of visits to rural hospitals and participating in ward rounds and surgical consultations.

Benefactions/sponsorship received

J\$18,000,000.00	–	from Bank of Nova Scotia for expansion of A&E Unit, UHWI
J\$ 93,000.00	–	Clinical Research Meeting sponsorship
J\$800,000.00	–	from Mr. John Greaves to Section of Surgery for expansion of the offices.

US\$11,000.00 – from Mr. John Greaves to the Division of Orthopaedics for Ilizarov equipment.

Donations Made

J\$49,000.00 – nursing staff welfare: surgical wards, Operating theatres, SOPD, A&E

J\$132,600.00 – office staff welfare

J\$127,600.00 – Sponsorship of nurses to attend Conferences/book token prizes

J\$26,500.00 – Sponsorship of Medical Students to attend Conference in Estonia

RESEARCH IN PROGRESS

- Dr Paul Ramphal continued work on the **Computer – assisted Cardiac Surgical Simulator** and has an international patent pending.
- Data collection continues on the **Trauma Registry**. Up to June 2003, 6519 patients have been entered. There have been four publications, nine abstracts and several presentations from the database to date.
- Data Collection continues on the Collaborative study on **Breast Disease** with the Department of Pathology. 1378 patients were entered up to June 2003.
- Members of the Department are collaborating with the Department of Pathology to do a ten year review of **Gastric Cancer**.
- The Division of Orthopaedics is examining **Pre-operative Haemoglobin levels and the need for Blood transfusion in Total Hip and Knee Arthroplasties**.
- The Division of Neurosurgery is examining factors affecting the **inter-hospital transfer of Head Injured patients in Jamaica**.

- The Division of Urology continued the collaborative work on the **multinational study on Prostate Cancer**. Two abstracts from this study were published during the year.

PAPERS PRESENTED

- “Overview of Interpersonal Violence: The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston. September 01, 2002. **A. McDonald**
- “Violence against women: Rape.” Junior Doctors Association Annual Symposium– Jamaica Pegasus, Kingston. September 01, 2002. **R. Hutson.**
- “Interpersonal Violence: The Sequelae” The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston. September 01, 2002. **R. Ramcharan**
- “The Challenge of the Effects of Violence and the Surgeon” The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston – September 01, 2002. **P. Ramphal**
- “Non-Accidental Interpersonal Injuries of the Male Genitalia”: The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston. September 01, 2002. **W. Aiken**
- “Epidemiology of Erectile Dysfunction” Uprima Drug Launch, Terra Nova Hotel, Kingston: October 5th 2002. **W. Aiken**
- Advances in Neurosurgery. October 2002. Principal’s Breakfast Meeting. **I. Crandon**
- “The special needs of the elderly surgical patient” The Jamaica Anaesthetists Association Annual Conference, Kingston. **H. Harding-Goldson.**
- “The obese surgical patient facing the fat and the facts” The Jamaica Anaesthetists Association Annual Conference, Kingston. **K. Ehikametalor.**
- “Waiting to exhale: Asthma and Anaesthesia: are they compatible? **D. Soogrim**
- “PSA & the General Practitioner: A survey of knowledge, attitude & practice”. Association of Surgeons Weekend Retreat, Trelawny, Jamaica. November 2002. **W. Aiken.**

- “An Interesting Case of Mega-ureter.” Association of Surgeons Weekend Retreat, Trelawny. November 2002. **W. Aiken**
- “Detrusor Myomectomy for Refractory Reflexogenic Incontinence” Association of Surgeons Weekend Retreat, Trelawny. November 2002. **W. Aiken**
- Subarachnoid Haemorrhage. November 2002. Ena Thomas Memorial Lecture. **I. Crandon**
- “Magnetic Resonance Spectroscopy As Simply As Possible”. 29th Annual Ena Thomas Memorial Symposium. Nov 2002, Jamaica Pegasus, Kingston, Jamaica **D.P. Soares.**
- “The Status of Poison Centres in the Caribbean” IPCS/INTOX PAHO and UWI Poison Workshop – November 2002 – Port-of-Spain, Trinidad. **J. Williams-Johnson.**
- “Thoracic Trauma” – Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar, Westmoreland, Jamaica. December 2002. **E. Williams**
- “Inter-hospital Transfers (A review)” Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar. December 2002. **R. Hutson**
- “Diabetic Emergencies” – Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar. December 2002. **S. French**
- “Abdominal Pain in the Elderly” – Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar. December 2002. **J. Williams-Johnson**
- “Modern Management of Erectile Dysfunction”. Jamaica Urological Society Annual Symposium, Renaissance Jamaica Grande, Ocho Rios Jamaica, February 2003. **T. Tulloch**
- “Role of Uprima in Female Sexual Dysfunction,” Caribbean College of Family Physicians, Kingston. January 26, 2003. **W. Aiken.**
- “Sunshine Surgery” British Columbia Surgical Society 56th Annual Meeting May 8-10, 2003. **P. Fletcher**
- “Trauma Care in Jamaica” British Columbia Surgical Society 56th Annual Meeting May 8-10, 2003. **P. Fletcher, A. McDonald.**

- “The Development of Anaesthesia Training in the Caribbean.” Joint Meeting of the Departments of Anaesthetics (UWI) and the Royal college of Anaesthetists (Ireland) Conference. Tobago, March 15-17, 2003. **M. Scarlett.**
- “Pain Management at UHWI”, Surgical Grand Round Lecture. February 2003 **M. Scarlett**
- “The use of Viagra in cardiac patients at UHWI”. Caribbean Cardiac Society Conference. Curacao. July 2003. **M. Scarlett**
- “ENT Anesthesia” Joint Meeting of the Departments of Anaesthetics (UWI) and the Royal College of Anaesthetists (Ireland) Conference. Tobago, March 15-17, 2003. **A. Crawford-Sykes**
- “Aortic Emergencies” Jamaica Emergency Medicine Association Conference, Kingston, Jamaica, March 23, 2003. **P. Ramphal**
- “Blunt Cardiac Injury – The Elusive Diagnosis” Jamaica Emergency Medicine Association Conference, Kingston, Jamaica, March 23, 2003. **S. French**
- “Spontaneous Pneumothorax” Jamaica Emergency Medicine Association Conference, Kingston, Jamaica, March 23, 2003. **E. Williams**
- “Falls: A modifiable risk factor for the occurrence of hip fractures in the elderly” 48th Annual CHRC Scientific Meeting, Nassau, Bahamas. April 30 – May 3, 2003. **J. Williams-Johnson.**
- “Acute Appendicitis: the Emergency Physician’s Perspective”. Association of Surgeons Conference, Ocho Rios, Jamaica, May 2003. **R. Hutson**
- “Management of the Multiple Trauma Patient” Association of Surgeons Conference, Ocho Rios, Jamaica, May 2003. **S. French**
- “A Paradigm shift in the approach to syringomyelia associated with chiari malformation.” 48th Annual CHRC Scientific Meeting, Nassau, Bahamas. April 30 – May 3, 2003. **CAR Bruce, IW Crandon.**
- “Tracking medical students’ performance: correlations between entry rating and first year performance.” 48th Annual CHRC Scientific Meeting, Nassau, Bahamas. April 30 – May 3, 2003. **A. Wierenga, JM Branday, J. DeSouza, R. Carpenter.**

- “Unnecessary Arthroscopy – Perceived or Real”. Inaugural Scientific Meeting, Caribbean College of Surgeons, Trinidad, June 13-15, 2003. **R.E.C. Rose**

Presentations at the Annual Research Meeting, Department of Surgery, Radiology, Anaesthesia and Intensive Care, May 16th 2003

- “Syringomyelia – Does Pathophysiologic Guided Intervention yield better Results?” **CAR Bruce.**
- “Trauma in the Elderly.” **F. Pencle**
- “Urinary Incontinence following Retropubic Radical Prostatectomy.” **T. Tulloch.**
- “Evolution of Soft Tissue Cover for Lower Limb Defects at the KPH and UHWI. **G. Arscott**
- “Adrenaline Solution – A Safer, more cost Effective Agent for Arthroscopic Surgery.” **M. Scarlett.**
- “Viagra: Its other use”. **M. Scarlett**

PUBLICATIONS

Refereed

- * “Trauma Care in Jamaica: A Time for Decision” **AH. McDonald.** *WIMJ* 2002; 51(3): 167-9.
- * “Treatment of Pilon Fractures Using the Ilizarov Technique: Case Reports and Review of the Literature” **REC Rose.** *WIMJ* 2002; 51(3): 176-8.
- * “Antenatal Diagnosis of a Choledochal Cyst: Case Management and Literature Review.” **SE Dundas, LA Robinson-Bridgewater, ND Duncan.** *WIMJ* 2002; 51(3): 185-7.
- * “Scleroderma with Cardiac Tamponade, Hyperthyroidism and Incidental Papillary Thyroid Carcinoma.” RM Gokula, AK Gupta, SE Shirley, K. Coard, **PS Ramphal.** *WIMJ* 2002; 51(3): 188-90.

- * “Disseminated Donovanosis (granuloma inguinale) with Osteomyelitis of Both Wrists.” HM Fletcher, CA Rattray, B. Hanchard, **K. Vaughn, WM West.** *WIMJ* 2002; 51(3): 194-6.
- * “Preoperative Starvation and Pulmonary Aspiration: New Perspectives and guidelines”. *WIMJ* 2002; 51 (4) 241-5. **M. Scarlett, A. Crawford Sykes, M. Nelson**
- * “Angiomatosis of the Breast in a Male Child: A Case Report with Immunohistochemical Analysis.” *WIMJ* 2002; 51 (4) 254-6. SE Shirley, **ND Duncan, CT Escoffery, AB West.**
- * “Multiple Endocrine Neoplasia (MEN) Type 2B: A Case Report and Review of the Syndrome.” *WIMJ* 2002; 51 (4) 251-3. TN Gibson, KCM Coard, **M. Newnham, M. Boyne.**
- * “The Ilizarov Technique in the Treatment of Tibial Bone Defects: Case Reports and Review of the Literature.” *WIMJ* 2002; 51 (4) 263-7. **REC Rose**
- * “Chondro-epiphyseal Separation of the Distal Humerus in the Newborn: A Case Report and Review of the Literature.” *WIMJ* 2002; 51 (4) 268 -71. **REC Rose, R. Dixon, R. Bullock.**
- * “Improving Medical Undergraduate Trauma Education through the Trauma Evaluation and Management Programme at Mona”. *WIMJ* 2003; 52 (1): 45-8. J. Ali, **A. McDonald, M. Newnham**
- * “Transverse Ureterotomy in Open Ureterolithotomy” *WIMJ* 2003; 52 (1): 140-4. **LL. Douglas, K Wedderburn, CA Rattray, CM Cadogan.**
- * “Endometriosis Co-existing with Bilateral Dermoid Cysts of the Ovaries Treated by Laparoscopy”. *WIMJ* 2003; 52 (1): 179-81. J. Fredericks, V. DaCosta, S. Wynter, **I. Tennant, C McKenzie, Y McDonald**
- * “Thoracic Endometriosis Syndrome in Jamaica”. *Int. Surg*;2003, 88:114-118. **Paul Ramphal, Joseph Blidgen, Adrian Coye, Roger Irvine.**
- * “Design of an Electromechanical Pump for Training in Beating Heart Cardiac Surgery” *Proc. IEEE Southeastcon, Columbia, South Carolina, April 2003* 192-96. **P. Ramphal**

- * “Profile of Injuries in Jamaica” Injury Control; and Safety Promotion, December 2002; 9(4): 219-25. S. Arscott-Mills, G. Gordon, **A. McDonald**, Y. Holder, E. Ward.
- * “The Establishment of a Jamaican All injury Surveillance System.” Injury Control; and Safety Promotion, December 2002; 9(4): 227-34. E. Ward, S. Arscott-Mills, G. Gordon, P. Ashley, **T. McCartney**, JISS working group.
- * “Acute Haematogenous Anaerobic Osteomyelitis in Sickle Disease.” *WTMJ* 2003; 52(1): 53-5. **A. Mansingh**, M. Ware.

Abstracts

- * “The anterolateral skull base approach improves outcome over pterional for the repair of ruptured anterior communicating artery aneurysms” **CAR Bruce**, MD Cusimano. *WTMJ* 2002; 51: (Suppl. 4): 16
- * “Colorectal cancer trends by anatomic subsite, age and staging: a four-year study of 159 cases in Jamaica.” **MEC McFarlane**, **A. Rhoden**, **F. Fletcher**. *WTMJ* 2002; 51: (Suppl. 4): 24.
- * “Ambulatory treatment of haemorrhoids: single visit outpatient therapy with the infrared coagulator.” **MEC McFarlane**. *WTMJ* 2002; 51: (Suppl. 4): 24.
- * “Safe circumcision of Jamaican neonates using the Plastibell device.” **SE Dundas**, **ND Duncan**. *WTMJ* 2002; 51: (Suppl. 4): 25.
- * “Post-operative acute chest syndrome in children with sickle cell disease.” **ND Duncan**, **SE Dundas**, **AH McDonald**. *WTMJ* 2002; 51: (Suppl. 4): 25.
- * “Patient acceptance and complications of tranrectal ultrasound-guided prostate biopsies at the University Hospital of the West Indies: a cross-sectional survey..” **K. Buchanan**, **R. Mayhew**, **W. Aiken**. *WTMJ* 2002; 51: (Suppl. 4): 26.
- * “A report on the attitude of hospital doctors to renal transplantation.” **R. Mayhew**, **W. Aiken**. *WTMJ* 2002; 51: (Suppl. 4): 26.

- * “Falls: A modifiable risk factor for the occurrence of hip fractures in the elderly” **J. Williams-Johnson, AH McDonald, R. Wilks.** *WTMJ* 2003; 52 (Suppl. 3): 34.
- * “Tracking medical students’ performance: correlations between entry rating and first year performance.” A. Wierenga, **JM Brandy, J. DeSouza, R. Carpenter.** *WTMJ* 2003; 52 (Suppl. 3): 34.
- * “Initial experience with beating-heart single valve replacement surgery at the University Hospital of the West Indies”. **PS Ramphal, RW Irvine, A. Wierenga, M. Scarlett, CD McGaw.** *WTMJ* 2003; 52 (Suppl. 3): 59.
- * “Epidemiology of spontaneous pneumothorax at the UHWI and National Chest Hospital, Kingston, Jamaica.” **EW Williams, RW Irvine, P. Ramphal, AH McDonald.** *WTMJ* 2003; 52 (Suppl. 3): 66.
- * “Surgical management of perforated duodenal ulcer – the changing scene.” **JM Plummer, MEC McFarlane, MS Newnham.** *WTMJ* 2003; 52 (Suppl. 3): 58.
- * “Gastroschisis in Jamaica: a test case for developing countries.” **C. Abel, B. Brown, SE Dundas C. Ramsaran, ND Duncan** *WTMJ* 2003; 52 (Suppl. 3): 58.
- * “Differences in patient characteristics in black men with prostate cancer from Jamaica and Chicago.” **WD Aiken, T. Tulloch,** V. Freeman, F. Bennett, K. Coard, B. Panton, T. Mason, J. Cudecki, R. Flanigan. ASCO Volume 22, 2003; 1764.
- * “Fatty acid composition of prostate tissue from blacks in Jamaica and Chicago.” FI Bennett, VL Freeman, K. Coard, **W. Aiken, T. Tulloch,** T. Forrester, B. Panton, R. Flanigan, M. Meydani. ASCO Volume 22, 2003; 1764.
- * “A Paradigm shift in the approach to syringomyelia associated with chiari malformation”. **CAR Bruce, IW Crandon.** *WTMJ* 2003; 52 (Suppl. 3): 58.
- * “Laparoscopic cholecystectomy in Jamaica: the development and implementation of a privately run laparoscopic surgical unit: an audit of 120 consecutive cases.” **MEC McFarlane,**

CAL Thomas, T. McCartney, P. Bhoorasingh, G. Smith, Lodenquai. *WIMJ* 2003; 52 (Suppl. 3): 59.

- * “Selective non-operative management of abdominal gunshot wounds.” **MS Newnham, AC Martin, AH McDonald.** *WIMJ* 2003; 52 (Suppl. 3): 60.
- * “Polypoid lesions of the gallbladder” **MS Newnham.** *WIMJ* 2003; 52 (Suppl. 3): 60.
- * “Knowledge, attitudes and practice of Jamaican general practitioners toward prostate specific antigen testing”. **WD Aiken, LN Bennett, DE Ferron-Boothe, NA Aitken** *WIMJ* 2003; 52 (Suppl. 3): 77.

Letters to the Editor

- * “The Concealed Cystic Duct – A significant Cause of Common Duct Injury Laparoscopic Cholecystectomy.” **MEC McFarlane, R. Ewing, K. Appiah** *WIMJ* 2002; 51 (3): 201..
- * “Trends in Prostate pathology at the University Hospital of the West Indies, Jamaica, over the last 10 years.” *WIMJ* 2002; 51 (4) 278-9. **WD. Aiken**
- * “Acute subarchnoid Haemorrhage Caused by Rupture of an Intracranial Aneurysm.” *WIMJ* 2003; 52(1): 80. **G. Blake, M. James, C. Ramjit, G. Char, R. Hunter, I. Crandon.**

Non-Refereed

- * “Colorectal Cancer Screening: An Overview and Update”. *Postgraduate Doctor (Caribbean)* Vol. 18; (3) 84-90.
- * “Erectile Dysfunction” *Health, Home & Garden Magazine*, Vol. 2: Issue 1, Nov. 2002

PUBLIC SERVICE

Professor Peter Fletcher

- Senior Director, Clinical Services, UHWI.
- Chair, Security Subcommittee, F&GPC, UWI, Mona.

- Director, UHWI Private Wing Ltd. (Tony Thwaites Wing)
- Chair, Board of Directors, Mona Institute of Medical Sciences.
- Member, Assessment and Promotions Committee, FMS, Mona.

Professor Michael Branday

- Chairman, Curriculum Committee, FMS, Mona.
- Member, Assessment and Promotions Committee, FMS, Mona.
- Academic Board Representative, Board of Undergraduate Studies.
- Member, Board of Directors, Mona Institute of Medical Sciences.

Professor Archibald McDonald

- Chairman, Scotiabank Accident & Emergency Advisory Committee, UHWI
- Member Board of Directors, Mona Institute of Medical Sciences.
- Member, Organizing Committee, FMS Annual Research Day.
- Member, Editorial Board, *West Indian Medical Journal*.
- Co-ordinator, Advanced Trauma Life Support (ATLS) activities in Jamaica.
- Treasurer, Association of Surgeons in Jamaica.
- Director, Mancare Medical Centre Ltd.

Dr. Michael McFarlane

- Secretary, Jamaica Chapter, American College of Surgeons.
- Consultant, Jamaica Cancer Society.
- Member, Board of Management, Jamaica Cancer Society.

Dr William Aiken

- Secretary, Association of Surgeons in Jamaica.

- Secretary, Jamaica Urological Society.
- Faculty, Advanced Trauma Life Support Course.

Dr Christopher Rose

- Vice- President, Jamaica Association of Sports Medicine.
- Consultant, National Sports Medicine Clinic.

Dr Paul Ramphal

- Member, UWI/UHWI Ethics Committee
- Faculty, Acute Cardiac Life Support Course, Ministry of Health.

Dr Jean Williams-Johnson

- Medical Director, Emergency Medicine Division, UHWI.
- Faculty, Advanced Trauma Life Support Course.
- Module leader, Clinical Skills Section of Introduction to Medial Practice Course – Stage 1MB, S Curriculum
- Instructor Advanced Cardiac Life Support/AHA/Ministry of Health

Dr Derek Mitchell

- Treasurer, Jamaican Chapter, American College of Surgeons.
- Member, Patient Information Systems, UHWI.
- Faculty, Advanced Trauma Life Support Course.
- Consultant, Jamaica Cancer Society.

Dr Maria Nelson

- Chairman, Specialty Board, Anaesthesia and Intensive Care.

Dr Marinna Scarlett

- President, Jamaica Anaesthetists Association

CATEGORIES OF STUDENTS

Undergraduate

There were 264 medical undergraduates who rotated through the Department during the year. Four students were successful in the November/December 2002 examinations, two of whom were repeaters. Seventy-five students sat the May/June 2003 examinations: 70 of whom were successful, and included two Honours and one Distinction in Surgery.

Graduate

Eighty seven (87) residents were registered in the DM Programmes of the Department. There were 32 in DM General Surgery (26 DM Part 1 & 8 DM Part II), 7 in DM Orthopaedics, 8 in DM Otolaryngology, 4 in DM Urology, 4 in DM Neurosurgery, 3 in DM Cardiothoracic Surgery, 4 in DM Paediatric Surgery, 8 in DM Radiology, 25 in DM Anaesthesia and 23 in DM Emergency Medicine.

The following students were awarded DM degrees:

Dr Kevin Jones	–	DM Orthopaedics
Dr Don Gilbert	–	DM Orthopaedics
Dr Lisa Johnson	–	DM General Surgery
Dr Ghanshan Datt	–	DM General Surgery
Dr Carl Bruce	–	DM Neurosurgery
Dr Nicole Dawkins	–	DM Emergency Medicine
Dr Alvery Hanna	–	DM Emergency Medicine
Dr. Anthony Williams	–	DM Anaesthesia

DISTINGUISHED VISITORS

Professor Charles Bagwell, Medical School of Virginia, USA

Mr. David Rosin, St Mary's Hospital, London.

Professor Gerald Jordan, Eastern School of Medicine, Norfolk. Vancouver.

Professor Bauer Sumpio, Yale University, New Haven, Connecticut, USA.

Dr Jose Alberto Prieto, Bogota, Colombia.

Dr Ernesto Cavallo, Caracas, Venezuela.

Dr Carlos Mercado, San Juan, Puerto Rico

Dr Jose Alicea , San Juan, Puerto Rico

Dr Enrique Escobar, Cagras, Puerto Rico

Dr Jeff Yach, Queen's University, Ontario, Canada

Professor Renn Holness, University of Nova Scotia, Canada

Dr Antonio Bernardo, Phoenix, Arizona, USA

Dr Luis A. Salazar, Caracas, Venezuela

Professor Felix Durity, Vancouver, Canada.

Dr Jairo Espinosa, Bogota, Colombia.

Dr Raymond Gandhi, Columbia University, New York.

Dr Gordon Hunter, Toronto, Canada.

Professor Paul Steinbok, University of British Columbia, Vancouver

Professor Dhiraj Shah, Albany Medical College, New York.

Dr Jane Fothergill, St John's Hospital, Scotland

Dr Brian Stone, Columbia Presbyterian Hospital, USA.

Professor Amal Mattu, University of Maryland, USA.

Dr Gabriel Manuel Vargas Graci, Bucaramanga, Colombia

Dr Haresh Gophani, Columbia.

**FACULTY OF PURE AND
APPLIED SCIENCES
MONA**

Year ending July 31, 2003



Professor Ronald E. Young, BSc, MSc *UWI*, PhD *St. And.* – Dean

DEAN'S OVERVIEW

INTRODUCTION

In the year 2002-2003 the Faculty of Pure & Applied Sciences concentrated primarily on the reorganisation of its course offerings at both graduate and undergraduate levels, to make them more relevant and more efficient in terms of enrollment. Hopefully, the effects of this will be seen next year, since in the present year, the situation with respect to numbers of undergraduate courses and registration per course has deteriorated (see below). Simultaneously, we sought to carry forward our commitment to be more engaged with the society at large and in particular with the commercial sector in order to develop more functional mechanisms for conversion of the expertise in and the research output of the Faculty, into improved training and more diverse and competitive products and processes in both public and private commercial enterprises.

Undergraduate and/or Graduate level course offerings in the Departments of Geography & Geology, Mathematics & Computer Science (Computer Science Section), Life Sciences and Physics were extensively reorganized, in part in response to the Hamilton Report. The Department of Life Sciences drafted a new MSc degree in *Plant Production and Protection*, and a MSc in *Water Resources Management* was designed for the Department of Geography and Geology by Professor Jasminko Karanjac. Both have been approved for start-up in September 2003. Professor Karanjac also conducted a short course on *“Mathematical Modelling of Ground Water Flow and Fate of Solute Using Visual MODFLOW”* on January 6-11, 2003.

HIGHLIGHTS

Professors Gerald Lalor and Leslie Robinson were appointed Professors Emeritus in the Departments of Chemistry and Mathematics & Computer Science. Dr. Robert Lancashire and Dr. Paul Reese were

promoted to Professorships in Computational Chemistry and in Bio-organic Chemistry respectively, and Drs. Peter Vogel and Dale and Mona Webber to Senior Lectureships in the Department of Life Sciences.

The Faculty lost the highly respected Head of the Department of Mathematics & Computer Science, and Professor in the Physics Department, Professor John Lodenquai, on the 9th January, 2003, after a sudden and brief illness. Dr. Earl Wright a stalwart in the Department of Geography & Geology also died on 14th November, 2002. The Faculty offers condolences to their families and friends.

Resignations were received from the former Head of Mathematics & Computer Science, Professor Johannes Reichgelt, and from Dr. Nikolai Dokuchaev (Mathematics) and Mr. Horace Jones (Actuarial Science) of the same Department. Dr P.V. Devi Prasad (Department of Life Sciences) also resigned his Senior Lectureship in Botany.

Professor Jerrel Wilkens, Professor Emeritus in the Department of Life Sciences, University of Calgary, Canada, was appointed Visiting Professor in the Department of Life Sciences between November, 2002 and January 2003. In addition to his research activities, he held a one day seminar on January 9th for the Graduate Students in the Faculty on *"Strategies for Surviving as a Graduate Student."* **Professor C.N.R. Rao**, Linus Pauling Research Professor and Honorary President of the Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, and President of the Third World Academy of Sciences since 1998, visited the Faculty in February and gave two lectures on *"Science in Our Future and National Development"* and on *"Nanotubes and Nanowires."* A high-level, 7-member **delegation from Anhui Province, China**, headed by the Vice Governor of the Province visited the Faculty to discuss the potential for collaborating in areas such as the development of nutraceuticals and the promotion of Alternative Medicine. The team also met with the Director of JAMPRO and with various Ministers of Government, and liaised with **Mr. Sam Wong Chew Onn**, who accompanied the delegation to the Faculty. In an effort to improve our success rate in applying for research funding, **Dr. David Smith**, Programme Specialist at UNDP and Board Member at the EFJ was invited to address the Faculty Board in May on the issue of Grantsmanship. Members found his presentation enlightening and useful.

At the invitation of the Deputy Principal, **Professor Geoffrey Grimmitt**, Head of the Department of Pure Mathematics &

Mathematical Statistics, Cambridge University, visited the Department of Mathematics & Computer Science in March/April and submitted a brief review of the Mathematics Section. He recommended, as a matter of urgency, a number of changes, including strengthening of the Academic leadership of the sub-department through appointment of a Professor and Section Head, reform of curriculum and assessment practices, peer review of lecturers and regular Departmental meetings.

SYMPOSIA & WORKSHOPS

The **Biotechnology Centre** and the **Natural Products Institute**, in collaboration with Blue Cross, staged an International “*Scientific Forum on Caribbean Ethnomedicine and Medicinal Plants*” in Montego Bay on December 6-7, 2002. The **NPI** on April 24-26, 2003 put on a very successful workshop on the “*Utilization and Management of Agricultural and Agro-Industrial Waste*” at the Visitors' Lodge, featuring lectures by Professor Agamuthu Periathamby of the University of Malaya. The Faculty collaborated with the Mona School of Business to host, on February 25, 2003, a symposium on “*Commercializing Science & Technology Development*” also at the Visitors' Lodge, followed by a workshop in the Faculty. Guest speakers included visitors from the Keck Graduate Institute of Life Sciences, Claremont Colleges, the School of Engineering and the Marshall School of Business of the University of South California, and from Global Bridges Consulting, all located in Southern California. The UWI (FPAS) and the University of Technology jointly sponsored the 3rd Annual General Meeting of CARISCIENCE at the Technology Innovation Centre, University of Technology, on October 5-6, 2002, on the theme “*Caribbean Science-Industry Partnership*.” The **Centre for Marine Sciences**, with the support of DFID, put on a multidisciplinary Workshop and Seminar entitled “*Impact and Amelioration of Sediment and Agrochemical Pollution in Caribbean Coastal Waters*” on June 13 and 26, 2003.

The 6th Biennial Research Conference of the Faculty, held on March 18-20, attracted 104 papers (40 oral and 64 posters). Six of the orals and three posters were from other campuses, mainly from Cave Hill. The Best Poster award went to **Miss Debbie Ramsay (Chemistry, Mona)** for her poster entitled: “*Groundwater Nutrient Fluxes to Discovery Bay, Jamaica*.” The award for Best Oral Presentation went to **Miss Anginette Murray (Life Sciences, Mona)** for her presentation “*Fishing activities and fishable resources exploited by Whitehouse fishers, Westmoreland*.” The **Department of Geography & Geology** used the occasion to unveil the reconstructed fossil skeleton of the 50 million year old sea cow *Pezosiren portelli*

discovered in 1994 near seven rivers, Montego Bay by Roger Portelli of the Florida Museum of Natural History. This ancestral species, unlike the modern sea cow, had legs.

Dr. Dwight Robinson, Department of Life Sciences, ran, in December/January, a series of workshops on *"Scouting Techniques for Pests"* for the Jamaica Agricultural Development Foundation, to educate farmers who were experiencing difficulties in identifying pests. The **Better Process Control School**, Department of Chemistry, under the direction of **Dr. Donna Minott** with the collaboration of the Bureau of Standards, ran its annual course on January 6-10, 2003 for 30 participants from food processing companies and regulatory agencies across the island. On January 7-10, **Dr. Novelette Sadler-McKnight** organized, in response to requests from schools doing CAPE Chemistry, a successful workshop on *"Chromatographic Techniques"* and *"Spectroscopic Methods of Analysis."* The workshop was attended by 260 students and 106 teachers from across the island. She also ran a workshop for teachers in collaboration with the Ministry of Education, Youth and Culture on July 16-17.

OUTREACH

The Faculty participated in the Department of Management Studies conference on the *"Role of Government in Tourism"* held at the Visitors' Lodge on the 25-28 September, 2002; in the Proclamation Ceremony for the launch of Science & Technology Month at King's House on November 1, 2002; in the Department of Management Studies/Mona School of Business Colloquium on *"Ethics in Caribbean Business – Philosophical Social and Political Perspectives"* on February 22-23, 2003; and in the Medical Association of Jamaica *"Wellness Symposium 2003"* at the Jamaica Pegasus Hotel on April 4-6, 2003. Of the 38 oral presentations at the Scientific Research Council's 16th Annual National Conference on Science & Technology, on the theme *"Science & Technology for Economic Development: Towards Health, Wealth and Knowledge"* held at the Knutsford Court Hotel on November 28-30, 2002, 11 originated from the Faculty of Pure & Applied Science and 17 from the UWI in general. The Faculty also won the Best Display award at the Northern Caribbean University's conference on *"Inventors, Researchers and Entrepreneurs"* on April 5-8, 2003.

PUBLICATIONS

Compared with 2001/2002, output rose in all forms of publication. Refereed publications were up 48% from 66, with the per capita output

rising to 0.96 compared with 0.69 last year. Non-refereed and conference presentations together also rose by 45% from 104 last year to 151. All Departments contributed to this increase in productivity, but the Department of Geography & Geology must be commended for having attained the average of 2 refereed papers per academic staff member, and for having produced two books as well.

Department	No. Acad. staff	Refereed Publicatons	Non-Refereed Publications	Conference Presentations
Biotechnology Centre	5	5	1	25
Chemistry	23	28	6	13
Geography & Geology	12	24 + 2 books	10	42
Life Sciences	19	9	8	25
Math & Comp Science	21	15	—	9
Physics	14	7	—	16
CMS	3	6	4	14
EM Unit	2	1	—	4
NPI/MIAS	3	1	—	3
TOTAL:	102	98	29	151

It might well be noted that this department also puts out two peer-reviewed, independently self-financing journals, **Caribbean Geography** (two issues per year) and *Caribbean Journal of Earth Science* (one issue per year).

UNDERGRADUATE

In 2002/2003 the Faculty registered a total of 1280 students, an increase of 4.6% over the intake in 2001/2002, when 1224 students were on the register (data from the Student Records System). The Campus overall showed a 7.5% increase in total student number. Of this number, 621 were newly admitted students, an increase of 19.5% over the intake of new students (512) in 2001/2002. The Campus overall showed a 9.9% increase in intake of new students (4365 in 2002/03 vs 3971 in 2001/02).

The Table below shows the number of individual courses and total registrations in these courses. It indicates that the number of courses offered in all departments reporting had remained constant or increased

(Physics), despite the push to reduce the number of courses offered. There were in general, no meaningful changes in the mean number of students per course.

Department	No. of Courses	Mean number /Course	Course/Staff Member
Chemistry	24	60.2	1.0
Geography/Geology:			
Geog	16	43.6	2.7
Geol	17	17.9	2.8
Life Sciences	38	43.9	2.0
Math & Comp Sci:			
CSci	15	86.5	1.7
Math	28	59.1	2.3
Physics	25	33.6	1.8
TOTAL:	163	48.5	1.6

The situation in Geology, however, continues to be of great concern. This year the sub-department offered 17 instead of 18 courses, but the total registration fell from 420 to 305, so that mean number of students per class fell from 23 to 18. The Department will have to address this dyseconomical state of its teaching effort.

Level of Degree	2000/2001		2001/2002		2002/2003	
	N	%	N	%	N	%
First	22	7.2	32	10.9	27	9.4
Upper Second	80	26.0	92	31.4	87	30.4
Lower Second	77	25.1	88	30.1	90	31.5
Pass	73	23.8	32	10.9	37	12.6
Fail	55	17.9	49	16.7	46	16.1
Total Sitting	307	100.0	293	100.0	287	100.0
Total Registered	1208		1224		1280	

Failure rate in the final examinations seems to be holding at about 16%, while the percentage of First Class Honours appears to have steadied at around the 10% mark, a level which seems quite acceptable.

GRADUATE

In 2002/2003 the Faculty registered a total of 324 graduate students in various programmes, compared with 306 in 2001/2002, an increase of about 6%. It is disconcerting to note that the MSc registrations have

fallen, but the marked increase in PhD registrations is noteworthy. There was very little change in the number of MSc students graduating, but the combined number of MPhil and PhD graduating students increased.

	REGISTERED				GRADUATING			
	1999	2000	2001	2002	1999	2000	2001	2002
MSc	86	96	86	82	24	21	21	23
MPhil	157	168	178	181	6	10	12	14
PhD	40	38	42	61	9	3	5	10
Total:	283	302	306	324	39	34	38	47

This year we include for the first time in our report, statistics on the registration in Graduate Courses. The Geology sub-department, in spite of the relatively low undergraduate enrollment and teaching loads, continues to resist the introduction of taught Graduate level courses. In most other disciplines, the engagement in Graduate teaching is relatively low (mean Courses/Staff member = 0.73) except in the case of Computer Science, in which there were 2.4 courses per staff member with a mean enrollment of 36 students per course.

Department	No. of Courses	Mean No. /Course	Courses/Staff Member	
Chemistry	7	8.4	0.3†	1.3*
Geography/Geology:				
Geog	5	23.4	0.8	3.5
Geol	0	n/a	n/a	2.8
Life Sciences	9	5.2	0.5	2.5
Math & Comp Sci:				
CSci	22	36.3	2.4	4.1
Math	9	1.6	0.75	3.1
Physics	4	12	0.75	2.1
TOTAL:	56	18.6	0.73	2.3

†This column indicates mean number of courses for graduate level only

*This column indicates mean number of courses including both graduate and undergraduate levels

The Computer Science sub-department clearly has focused on graduate training. They offer a total of 22 graduate courses over Semesters I & II, more than the number offered in the undergraduate programme. It is of concern, however, that although the mean registration per graduate course is high, 9 of the 22 courses had less than 10 students and 7 had less than 5 students registered. Clearly the reason for this odd distribution of effort needs to be determined, and the course offerings have to be

rationalized, particularly in the face of constant complaints by staff members of excessive teaching loads.

GRANTS

Grants (and other earnings) reported to have been brought in from external sources increased considerably by 182% to J\$79,853,845 from last year's J\$ equivalent of \$29,350,880. The total number of external grants increased from 14 to 46 (3.3x).

Department	Internal* (J\$eqlt) Grants	No. Grants	External (J\$ eqlt) Grants	No.
Chemistry	\$1,393,440	5	\$47,217,495	17
Geography & Geology	\$4,823,273	10	\$16,230,565	18
Life Sciences	\$5,478,048	3	\$7,581,265	6
Math & Computer Science	—	—	—	—
Physics	—	—	\$800,000	2
Biochem/Biotechnology	\$2,033,000	2	\$8,024,520	1
Centre Marine Sciences	—	—	\$3,000,000	2
TOTAL:	\$13,727,761.00	20	\$82,853,845.00	46

*Includes financial inputs from non-grant sources as well. Commission @ US\$ = J\$53.5

Internal grants (plus other funding sources) reported, also rose considerably from 9 to 20, with the total sum obtained increasing from \$3,276,180 to \$13,727,761, an increase of over 4 times. The Departments that contributed to this marked improvement in performance have to be commended. This increase is likely to be largely due to increased and more systematic reporting, but may also reflect an increase in funds being made available to support research.

CONCLUSION

The Faculty has enjoyed a quite productive year, although there are many issues that still need addressing. Both academic output and monetary intake from grants and other sources of revenue, have increased markedly. To the extent that the increase in revenue is due to an actual rise in intake rather than simply an increase in reportage, this is commendable; but even if the rise is due only to better reportage, this is still a good sign. On the down side, it remains clear that our taught Masters programmes are not, in general, attracting sufficient numbers of students, although some do have satisfactory registrations. We still need to focus at all levels, on weeding out poorly subscribed programmes/courses wherever

possible, and introducing ones that will be more sought-after. Departments also need to pay great attention to rationalizing the balance between teaching effort in the Graduate and Undergraduate programmes. We must be particularly careful that persons, in order to reap financial rewards, do not place undue emphasis on teaching in non-UGC courses which overall are not economical, whilst jeopardizing the undergraduate teaching and the success of the overall academic enterprise.

DEPARTMENT OF CHEMISTRY

**Professor Ishenkumba A. Kahwa, BSc (Hons), MSc *Dar es Salaam*,
DPhil *Louisiana State* – Head of Department**

WORK OF THE DEPARTMENT

The academic year 2002/2003 started out with **Professor Ishenkumba Kahwa** assuming office as the new Head of Department. He succeeded Professor Tara Dasgupta who served in that capacity for ten years and who was duly recognized for his outstanding service to the Department in an appreciation ceremony held on October 5, 2002.

Professor Kahwa immediately set out and conducted a series of meetings with the different categories of staff and shared his intention of how and in what direction he intended to lead the Department. This resulted in the assignment of several members of staff to specific leadership roles.

The Head initiated the first Department Retreat which was held at the Renaissance Jamaica Grande Resort, Ocho Rios from November 29-December 1, 2002. All except two members of the academic staff attended. The objective of the Retreat was to examine, assess and formulate policies which would address the Department's Strategic Mission and articulate it to that of the UWI.

One of the main areas of focus for the new head was the broadening and deepening of the scope for postgraduate research programmes for students, as well as to entrench the recognition of and emphasis on the centrality of research and publication in academia.

In an effort to enhance this development process, the Department hosted a number of Public Lectures, Seminars and Workshops which sought to develop a basic framework for achieving higher research and publication output in high impact journals. A total of twenty seven such

events were held for the year which saw several international, external and local presenters.

Two such Public Lectures were held on February 26 & 27, 2003 in the Department by **Prof. CNR Rao**. The Department in collaboration with the Faculty of Pure and Applied Sciences and ICENS and with assistance from the Principal, Graduate Studies and Research and The National Foundation for the Development of Science and Technology hosted this Distinguished Scientist, Professor CNR Rao, FRS, President of the Third World Academy of Sciences and Linus Pauling Research Professor, CSIR Centre of Excellence in Chemistry, Bangalore, India.

This event was followed shortly after with a visit by Professor Malcolm Chisholm of the University of Ohio, on March 19-23, 2003, who is the Department's Inorganic External Examiner. In addition to carrying out his duties as an External Examiner, Professor Chisholm facilitated a successful workshop on modern research agendas, grants and publishing (in high impact journals).

The Department in collaboration with Bruker BioSpin, Germany and Bruker Optics, USA conducted a Workshop on Application of Nuclear Magnetic Resonance, Infra-red and Near Infra-red Spectroscopy in Product Development and Research. The workshop focused on the use of state of the art instrumentation and techniques to solve chemical problems and increase output in organizations.

With the acquisition of new state of the art instruments in the Department, the need to have qualified personnel to operate them in order to maximize their use, a decision was taken to offer in-house training to the Laboratory Technicians with the different instruments. Hence, a series of training sessions were conducted on Thursday afternoons from October 31 to December 19, 2002. The training covered a number of instruments from the relatively simple to the most sophisticated equipment in the Department. In addition to these seminars, three graduate students and a Scientific Officer attended a Nuclear Magnetic Resonance Spectroscopy (NMR) Workshop at the Department of Biological and Chemical Sciences, UWI, Cave Hill from May 19-23, 2003. The facilitator at the Workshop was Professor William F. Reynolds from the Department of Chemistry, University of Toronto, Canada who is a known expert in the field of NMR Spectroscopy.

The **Better Process Control School** (BPCS) was held in the Department from January 6-10, 2003 and was a major success; a record number of participants attended. The Department, which has been approved as the sole certifying BPCS institution in the region for some time now, was this year instrumental in having the Bureau of Standards (Jamaica) recommended for provision of the required independent monitoring service for future Better Process Control Schools instead of the US Food and Drug Administration (FDA).

The outreach aspect of the Department also played its part in its offerings to the wider chemical society. A team of seven lecturers from the Department headed by **Dr. Novlette Sadler-McKnight** conducted a series of workshops for High School teachers and students who were preparing for Chemistry examinations at the CAPE level. Dr. McKnight was also instrumental in getting the Ministry of Education to join in partnership for one of the workshops. One workshop series took place January 6-10, 2003 while another was held July 16-17, 2003; both workshops were considered successful as they broadened and improved the delivery of chemical education in High Schools.

The overall performance of the Department for the year is encouraging based on the number of outstanding achievements. Among the staff were the promotions of two Senior Lecturers to the level of Professors, the appointment of a senior staff member to lead a new International Union of Pure and Applied Chemistry taskforce, the elevation to the highest rank accorded to accomplished members of the Royal Society of Chemistry the "Fellow of the Royal Society of Chemistry" (FRSC). The Head of the Department was appointed member of a cross-faculty Task Force to identify the challenges facing the UWI, Mona Campus and to make recommendations regarding how the campus should respond to the challenges so identified.

A Chemistry graduate student (**Dr. Danielle Aquart**) won the prestigious award for the "The Most Outstanding Thesis for 2001-2002:" while another (Ms. Keisha Lambert) received a Travel Grant from the Commonwealth Science Council to attend the Conference of the Institute of Food Technology in the USA. Four members of staff were recipients of Research Day 2003 Awards for Best Publication (**Dr. Yvette Jackson**), Distinguished Researcher (**Prof. Paul Reese**), The Most Successfully Commercialized Research Project (**Prof. Robert Lancashire**) and Project Attracting the Most Research Funds (**Dr. Jose Jackson**).

The Department ended the academic year 2002/2003 with five Doctor of Philosophy (PhD) and four Masters of Philosophy (MPhil) candidates meeting requirements for graduation. Our total undergraduate student enrolment (1398 in 24 courses) was a bit lower than in 2001/2002 (1462 for 24 courses) but postgraduate intake rose from 9 to 12 research students. Our publications (28) were up by 17% over 2001 while about 17 grants/earning activities secured J\$48.6 million; i.e. the Department earned 43 cents on each dollar it got from UWI funds. Our staff continued to be active on both the local and international scenes – five of them performed peer review services for national, regional and international journals and served on editorial boards; ten served on national and civic society committees and boards; one is the Vice-President of the Mona Non-Academic Staff Association (MONASA) while another is the District Grand Master of the Jamaica District Grand Lodge.

STUDENT ENROLMENT

LEVEL	2000/2001	2001/2002	2002/2003
Preliminary	135	148	314
Introductory	203	203	471
Advanced	822	775	766

STAFF MATTERS

Dr. Danielle Aquart was appointed Assistant Lecturer in Inorganic Chemistry.

Ms. Keisha Lambert was appointed Teaching Assistant in Food Chemistry.

Mr. Glenroy Martin was appointed Teaching Assistant in Organic Chemistry.

Dr. Dwight Ramdon was appointed Assistant Lecturer in Inorganic Chemistry.

Dr. Marvadeen Singh-Wilmot was appointed Assistant Lecturer in Inorganic Chemistry.

Mr. Norman Townsend was appointed Teaching Assistant in Organic Chemistry.

Dr. Robert Lancashire and **Dr. Paul Reese** were promoted to Professors.

Dr. Yvette Jackson was elevated to Fellow of the Royal Society of Chemistry.

Professor Tara Dasgupta was on one year Sabbatical Leave.

Dr. Anthony Greenaway was granted Research Study Leave for another year.

STUDENT MATTERS

Undergraduate Awards

A total of seven undergraduate students from the Department received awards ranging from \$10,000 to \$60,000 for their academic achievements in Chemistry.

Postgraduate

Five (5) graduate students completed their Doctor of Philosophy while another four (4) completed their Master of Philosophy degrees.

DOCTOR OF PHILOSOPHY

1. CHRISTIAN, Omar
2. LAMM, Andrew
3. MARTIN, Glenroy
4. SINGH-WILMOT, Marvadeen
5. TOWNSEND, Norman

MASTER OF PHILOSOPHY

1. BLAKE, Orane
2. BURKE, Sharon
3. GORDON, Junior Noel
4. LAMBERT-CHRISTIAN, Keisha

RESEARCH GRANTS

Dr. Anthony Greenaway and **Dr. Michael Coley** received grants of J\$2,304,500 from West Indies Alumina Company (WINDALCO) to fund a research project entitled: *“Boehmite in Bauxite, characterization, quantification and its effects on extraction of alumina from Bauxite”*.

Professor Tara Dasgupta signed a new contract with the Jamaica Racing Commission to the tune of \$25M.

Dr. Henry Ellis received US\$2,000 from Research and Publications

Dr. Yvette Jackson received US\$2,000.00 from Research and Publications

Professor Helen Jacobs with **Dr. J. Jackson** received US\$3,265.00 for a New Initiative Project.

Dr. Sandra Jarrett received US\$12,968.00.

Prof. I. A. Kahwa received grants for:

1. National Hazardous Materials and Waste Inventory and Management Policy Options – Environmental Foundation of Jamaica (EFJ) J\$5.427M
2. Development of Occupational and Environmental Safety and Health Courses at UWI - EFJ \$1.392M (with Mr. Milton Pinnock (Community Health and Psychiatry) and Prof. Neville Ying (Labour Studies).
3. Research and Publications US\$4,991
4. Research grants proposals and publishing Departmental workshop (CARISCIENCE) – US\$500

Prof. R.J. Lancashire received US\$20,000 from MDL Information Systems, Inc to support their joint project on spectroscopic software.

Dr. Donna Minott received a grant of US\$1,950 for research student from Research and Publications.

Dr Willard Pinnock received US\$2,000.00 for his research student from Research and Publications.

Professor Paul Reese and **Dr. Roy Porter** received US\$18,500.00 from WINCORP for research on the isolation of anti-microbial compounds from Jamaican plants.

Professor Paul Reese received J\$100,000 for student research from the Board for Graduate Studies.

Dr. Marvadeen Singh-Wilmot received a grant of US\$1,500 from CARISCIENCE.

RESEARCH IN PROGRESS

Coley, M.

- Characterization and the processability of bauxite to determine the impact of boehmite content on gibbsite extraction efficiency.

Dasgupta, T. P.

- Mechanisms of electron transfer and substitution reactions in inorganic complexes.
- Syntheses, characterization and reactivity of nitric oxide releasing compounds and their vasodilating properties.
- Syntheses, structure, reactivity and insulin mimicking properties of vanadium (IV/V) complexes.
- Dynamics of pesticide degradation and analysis of ultratrace pesticides and their metabolites.

Ellis, H. A.

- Thermotropic and lyotropic phase transitions in metal soaps
- Metal ion adsorption on water soluble polymers

Greenaway, A. M.

- Nutrient pollution in Jamaican coastal waters.
- Nitrogen and Phosphorus concentrations in ground and surface waters and their fluxes to the coastal zone.
- Alumina extraction efficiencies in the Bayer process (the process to extract alumina from bauxites).

Jackson, Y.

- Synthesis and chemistry of some pharmacologically active heterocyclic compounds and their analogues.

Jacobs, H.

- Natural products from selected species of endemic Jamaican flora.

Jarrett, S.

- The synthesis of 2-amino-4-vinylthiazoles, a route to benzothiazoles and other Fused Ring systems

Kahwa, I.

- Syntheses, structure and luminescence spectroscopy of rare earth nanoclusters, their interactions with quantum dots, potential applications in diagnostic and therapeutic biomedicine and catalysis.
- Hazardous waste and materials Jamaica/Caribbean: Public, occupational and environmental health impact and policy lessons.
- Science-technology-innovation policies.

Lancashire, R.J.

- Chemical applications of the Internet.
- The JCAMP-DX spectroscopic data format and distribution of scientific data via the WWW.

Maragh, P.

- Electron transfer reactions with Di-nuclear Iron (III) cyano-bridged complex with sulfite, ascorbic acid and other reducing agents
- Synthesis and structure determination of sulfito-Chromium (III) macrocyclic complexes.

Minott, D.

- Changes of hypoglycin content in ackee during maturation and with different ackee varieties.
- Comparison of the nutritional and anti-nutritional components of several transgenic papaya lines with a non-transgenic variety.
- Chemistry of the water from different varieties of coconuts grown in Jamaica and determination of the factors affecting the

production of pigments in processed coconut water.

Mulder, W.

- Phase transitions in monolayers at electrified interfaces.
- Theory of electro-wetting phenomena.
- Structural and thermodynamic properties of electronically excited molecules in solution.
- Electrochemical oscillations at modified electrodes.

Pinnock, W.R.

- Development and use of passive monitors for Air Pollution Monitoring in Jamaica and developing countries.
- Producing useful materials from Red Mud. In an advanced stage is the investigation of effects of adding red mud as pozzalana to standard concrete.
- Developing a standard for radioactivity in Building Materials based on measured and modelled doses in actual building (model house)

Porter, R.

- Investigation, characterisation and identification of secondary metabolites from several folklore medicinal plants.
- Extraction and characterisation of constituents of essential oils from local aromatic plants.

Ramdon, D.

- Use of electrochemistry equipment to study paraquat redox activity.

Reese, P.

- Medicinal Plants. Plants, mainly from the Labiatae, Scrophulariaceae and Capparaceae families, are being examined to isolate and characterise the major natural products.
- Microbial transformations. Natural products of agricultural and pharmaceutical interest are structurally modified by selected strains of fungi in an effort to produce a range of new analogues with enhanced bioactivity.

Singh-Wilmot, M.

- Lanthanide-based dendritic nanodevices
- Collaborative work on single crystal and powder X-ray diffraction

PAPERS PRESENTED

Dr. Danielle Aquart

- “Mechanism of nitric oxide release from the potent nitrovasodilator S-nitrosocaptopril: redox and transnitrosation reactions”. (poster) 224th American Chemical Society National Meeting and Exposition in Boston MA.

Dr. Anthony Greenaway

- “Nutrient Dynamics in Tropical Marine Environments”. UNEP Workshop on Nutrient Removal Technologies in Trinidad and Tobago

Dr. I. Hassan

- “Magnesioferrite: variation of cation ordering with pressure and temperature”. COMPRESS Meeting held in Santa Cruz, California
- “Thermal Analyses of Magnesioferrite”. AGU Fall Meeting, San Francisco, California.

Dr. Yvette Jackson

- “Approaches to the Synthesis of Analogues of Shermilamine B”. Royal Society of Chemistry Symposium on Heterocyclic Synthesis, Grasmere, Lake District, UK.

Professor I. Kahwa

- “Implications of Science R&D and Occupational and Environmental Safety and Health Issues to Decent Work”. First Caribbean Labour Conference, UWI Mona

- “Ethical Dynamics in the Physical Sciences”. 3rd Annual Research Colloquium of the Department of Management Studies, UWI
- “Publish or Perish: Quantity vs Quality”. University of Technology Research Grants and Publishing Workshop
- “Asbestos Pollution: Lessons and Perspectives from Jamaica”. Jamaica Institute for Environmental Professionals

Professor R. Lancashire

- “The development of interactive pages using MDL CHIME, JAVA and JavaScript” The Department of Chemistry, University of the South Pacific, Fiji, The Department of Chemistry, University of Western Australia, The Department of Chemistry, University of Sydney, Australia

Dr. W. Mulder

- “The possibility of spontaneous electrochemical oscillations at wired enzyme electrodes.” Seminar at the Departamento de Química Física, University of Sevilla, Spain

PUBLICATIONS

Refereed

- * **M. Bakir**, ‘*fac*-Tricarbonyl[hydroxybis(2-pyridyl)-methanolato- k^3N,O,N]rhenium(I)’, *Acta Crystallographica* 2002, C58, m74.
- * **M. Bakir**, ‘Synthesis, Characterization and Structural Studies on the First Rhenium Complex with Di(2-pyridyl)Ketone 2,4-Dinitrophenylhydrazine (dpkdnph), *fac*-Re(CO)₃(dpkdnph)Cl’. *European Journal of Inorganic Chemistry* 2002, 481.
- * **M. Bakir** and Colin Gyles, ‘Optosensing properties of *fac*-Re(CO)₃ (dpknaph)Cl (dpknph. = di-2-pyridyl ketone p-nitrophenyl hydrazine)’. *Talanta*, 2002, 56, 1117.
- * **M. Bakir** and O. Brown, “Molecular structure and optosensing behaviour of di-2-pyridyl ketone benzoylhydrazine in non-aqueous solvents” *Journal of Molecular Structure* 2002, 609, 129.

- * **M. Bakir**, 'Optical, electrochemical and structural studies on the first rhenium compound of di-2-pyridylketone-phenylhydrazone (dpkphh), fac-Re(CO)₃(dphphh)Cl', *Inorganica Chimica Acta* 2002, 332, 1.
- * **M. Bakir** and Orville Green, 'The structure of di-2-pyridylketone p-aminobenzoylhydrazone water solvate (dpkabz.H₂O)'. *Acta Crystallographica* 2002, C58, 0263.
- * **M. Bakir** and O. Brown, 'X-ray crystallographic and optosensing studies of di-2-pyridyl ketone p-nitro-phenylhydrazone (dpknph) in dimethylsulfoxide (DMSO)', *Journal of Molecular Structure* 2002, 641, 183.
- * **M. Bakir** and C. Gyles, 'Structural, Electrochemical and Optical Properties of dpkfah'. *Journal of Molecular Structure* 2003, 649, 133.
- * **M. Bakir, I. Hassan** and O. Green, 'Manganese Carbonyl Compounds of N,N-bidentate di-2-pyridylketone (dpk) and N,O,N-tridentate hydroxybis(2-pyridyl) methanolato (dpkO, OH)'. *Journal of Molecular Structure* 2003, 657, 75.
- * **T. P. Dasgupta** and J. N. Smith, "Reactions of S-nitrosothiols with L-Ascorbic Acid in Aqueous Solution". *Methods in Enzymology* 2002, 359, 219.
- * **T. P. Dasgupta**, D. Ragoobirsingh and D. McGrowder. "The effects of S-nitrosoglutathione in insulin. Receptor Behaviour on Erythrocytes in an Animal Model". *Diabetologic Croatica* 2003, 32-2, 65.
- * **H. A. Ellis**, N.A .White, **I. Hassan** and R. Ahmad, A room temperature structure of anhydrous lead (II) decanoate. *Journal of Molecular Structure* 2002, 642, 71.
- * **I . Hassan**, S.M. Antao and A. A. Hersi, 'XRD, TEM, DTA, and DSC studies of the satellite reflections in nepheline'. *Canadian Mineralogist* 2003, 41, 759.
- * S.M. Antao, M. J. Duane, and **I. Hassan**, 'DTA, TG, and XRD studies of sturmanite and ettringite' *Canadian Mineralogist* 2002, 40, 1403.

- * S.M. Antao and **I. Hassan**, 'Thermal behaviour of scapolite $\text{Me}_{79.6}$ and $\text{Me}_{33.3}$ ' *Canadian Mineralogist* 2002, 40, 1395.
- * S. M. Antao and **I. Hassan**, 'Thermal analyses of sodalite, tugtupite, danalite, and helvite'. *Canadian Mineralogist* 2002, 40, 163.
- * **Y. A. Jackson**, and Karla-Sue Marriott, 'A Novel Photochemical Route to Dibenzo-naphthyrones'. *Heterocycles* 2002, 57(10), 1897.
- * **Y.A. Jackson**, D. Rajagopal, J. Bendolph, M. Guillory, M.V. Lakshmikantham, J. Yang and M.P. Cava, 'Thiophene Isosteres of 9, 10-Dithioanthraquinone', *Organic Letters* 2003, 5(11), 1883.
- * Y. Morimoto, M. Takaishi, T. Iwai, T. Kinoshita and **H. Jacobs**, 'Complete assignment of the stereostructure of a new squalene-derived epoxy tri-THF diol from *Spathelia glabrescens* by total synthesis'. *Tetrahedron Letters* 2002, 43, 5849.
- * N. P. Seeram, L. S. Francis, O. L. Needham, **H. Jacobs**, S. McLean and W. F. Reynolds, 'Drimane and bisabolane sesquiterpenoids from *Cinnamodendron corticosum* (Canellaceae)'. *Biochemical Systematics and Ecology* 2002, 31, 637.
- * S. J. Burke, **H. Jacobs**, S. McLean and W. F. Reynolds, 'Structural and spectral assignment by 2D NMR of a new prenylated benzopyrancarboxylic acid and structural reassignment of a related compound'. *Magnetic Resonance in Chemistry* 2003, 41, 145.
- * **H. Jacobs**, 'Comparative phytochemistry of *Picramnia* and *Alvaradoa*, genera of the newly established family Picramniaceae'. *Biochemical Systematics and Ecology* 2003, 31 (7), 773.
- * L. V. Harris and **I. A. Kahwa (as Guest Editors)** 'Asbestos: Old Foe in 21st Century Developing Countries' *Journal of the Total Environment* 2003, 307, 1.
- * M. K. Thompson, A. J. Lough, A. J. P. White, D. J. Williams and **I. A. Kahwa** 'Formation of two diverse classes of poly(amino-

alkoxide) chelates and their mononuclear and polynuclear lanthanide(III) complexes'. *Inorganic Chemistry* 2003, 42, 4828.

- * R. C. Howell, S. H. Edwards, A. S. Gajadhar-Plummer, **I. A. Kahwa**, G. L. McPherson, J. T. Mague, A. J. P. White and D. J. Williams. 'Phthalimides: Supramolecular Interactions in Crystals, Hypersensitive Solution ¹H NMR Dynamics and energy transfer to europium(III) and terbium(III) states'. *Molecules* 2003, 8, 565.
- * R. U. Richards-Johnson, A. J. Lough and **I. A. Kahwa** '[Aqua(N, N', N'', N'''-tetrakis(2-hydroxyethyl)-1,4,7,10-tetrazacyclododecane)praseodymium(III)] hexanitratopraseodymate(III) dehydrate' *Acta Crystallographica* 2003, E59, 742.
- * **W. H. Mulder** and C. Párkányi, 'Theory of the salt effect on solvatochromic shifts and its potential application to the determination of ground-state and excited-state dipole moments'. *Journal of Physical Chemistry A* 2002, 106, 11932.
- * **W.H. Mulder**, 'The use of size distributions of circular domains in Langmuir monolayers for determining physical parameters of surfactants'. *Journal of Colloid and Interface Science* 2003, 264, 558.

Non-Refereed

- * **M. Coley**, *Introductory Chemistry 1: Part IV, Analytical Chemistry*: The University of the West Indies Distance Education Centre (UWIDEC, 2002)
- * **H.E. Ellis**, *Molecular Structure, Physical Chemistry*, The University of the West Indies Distance Education Centre (UWIDEC, 2002)
- * **S. Jarrett** and **R. Porter**, *Introductory Chemistry 1: Part III, Organic Chemistry*; The University of the West Indies, Distance Education Centre (UWIDEC, 2002)
- * **R. J. Lancashire**, Editor of the Proceedings of the Sixth Conference, Faculty of Pure and Applied Sciences, University of the West Indies, Mona, 18-20 March, 2003, ISBN 976-41-0087-2.

- * **P. Maragh**, *Introductory Chemistry 1: Part I, Physical Chemistry, Unit 1: Atomic Structure*, The University of the West Indies Distance Education Centre (UWIDEC, 2002).

PUBLIC SERVICE

Professor Tara Dasgupta

- Chief Editor, *Jamaican Journal of Science and Technology*
- Member, Agricultural Support Service Committee
- Director, Mona Institute of Applied Sciences
- Executive Member, Natural Product Institute
- Editorial Board, *Inorganic Reaction Mechanisms*
- Chairman, Electronics Unit Advisory Committee
- Head, Jamaica Racing Commission Laboratory and Member of Equine Drug Testing Committee

Dr. A. Greenaway

- Member, National Ozone Commission
- Associate, Centre for Marine Sciences

Dr. Y. Jackson

- Foreign Research Mentor, Minority International Research Training Programme, Barry University, Florida
- Member, Board of Governors, Hampton High School, St. Elizabeth
- Member, Board of Governors – Institute for Theological Leadership and Development (ITLD).

Professor I. A. Kahwa

- Member, Asbestos Task Force, National Environment and Planning Agency
- Member, Board of Directors, International Centre for the Environmental and Nuclear Sciences (ICENS)
- Member, Intellectual Property Rights Committee, UWI.
- Member, CHEMLAB Project Committee, Journal of Chemical Education, American Chemical Society

- Member, Board of Governors, Zenith Preparatory and Learning Centre
- Regional Editor: *Molecules*
- Vice President, Jamaica Society for Scientists and Technologists

Professor R. Lancashire

- University Representative, Board of the Jamaica Computer Society Education Foundation
- Executive Member, Jamaica Society of Scientists and Technologists
- Leader, IUPAC Task Group on EMR data structures

Dr. P. Maragh

- Member, National Industrial Safety Committee – Bureau of Standards
- Member, Museums Advisory Board – Institute of Jamaica
- Faculty Representative, FPAS on WIGUT Executive
- Treasurer, National Council for Indian Culture in Jamaica.

Dr. D. Minott

- Member, Jamaica Bureau of Standards – Coconut Water Technical Committee
- Member, Agro-Processing Resource Network
- Member, Scientific Research Council Board's Sub-Committee for the Food Technology Institute
- Member, National Agricultural Health and Food Safety Coordinating Committee
- President, WIGUT (Jamaica)
- Director, Better Process Control School (certification for the food industry)
- Member, Advisory Board – Guiding Light

Dr. W. Pinnock

- Member, National Radiation Safety Council, Ministry of Health, Government of Jamaica.

- Member, Steering Committee for Food Irradiation, National Commission of Science and Technology, Office of the Prime Minister.

Dr. R. Porter

- Member, Working Group (under the directive of PIOJ) to investigate the feasibility of commercialization of products from ten local plants.

Dr. D. Ramdon

- Member, Organizing Committee for Caribbean Advanced Proficiency (CAPE) Workshop 2003-2004.

Professor P. Reese

- Member, Equine Drug Testing Committee
- Vice President, WIGUT (Jamaica)
- WIGUT Representative on (i) Negotiating Team for 2002-2005 Salary Claim (ii) Car, House and Consumption Loan Committee; and (iii) Sabbatical Leave Committee
- Organising Secretary, Mona Symposium 2004: Natural Products & Medicinal Chemistry.

Dr. N. Sadler-McKnight,

- Member, Board Natural Resources Conservation Authority.
- Member, Technical and Finance Committee of the Scientific Research Council
- Council Member, Jamaica Society for Scientists and Technologists
- Executive Secretary, Alumni and Friends of the Department of Chemistry, UWI, Mona (CHEMSAF).

Dr. M. Singh-Wilmot

- Member, Committee of Board of Teacher Education and UWI for Double Option Science for Teachers' Colleges.
- Member, Organizing Committee for Caribbean Advanced Proficiency (CAPE) Workshop 2003-2004.

VISITORS TO THE DEPARTMENT

Professor Malcolm Chisholm, Inorganic Chemistry External Examiner and Distinguished Professor of Mathematics and Physical Sciences of the University of Ohio

Professor Delroy Baugh, from the Department of Chemistry and Biochemistry, University of California, Los Angeles, CA (Guest Lecturer in Physical Chemistry)

Dr. Ian Lambert, Food Science, UWI St. Augustine (Guest Lecturer in Food Chemistry)

Professor CNR Rao, FRS, Linus Pauling Research Professor, CSIR Centre of Excellence in Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore, India.

Professor David Williams of Imperial College, London, Professor of Chemical Crystallography

Dr. A. John Alcock, FRSC, Principal Research Office, Institute for Microstructural Sciences, National Research Council of Canada, Ottawa, Ontario.

Mr. J. Anthony Clarke, Manager, University Branch, Bank of Nova Scotia Jamaica Limited.

Dr. Lyndon Johnson, Managing Director, Technosol Limited, Kingston

Mr. Gladstone Ivey, Chief Chemist, Petroleum Company of Jamaica (Petrojam)

Dr. Romola Rodriques, Postdoctoral Fellow, University of Kansas

Mr. Ramesh Sujunani, Gemmologist, Ocho Rios

Mr. Compton Beecher, Chief Forensic Officer, Forensic Laboratory

Mrs. Joy Spence, General Manager, Quality Division, Wray & Nephew Limited.

Dr. Ronald Lee, Ryder Eminent Scholar, College of Business, Florida International University.

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

**Professor Elizabeth Thomas-Hope, MA *Aberdeen*, MS *Penn State*,
DPhil *Oxon* – Head of Department**

WORK OF THE DEPARTMENT

The Department had many successes over the past year, but there was also one sad event in November 2002 with the tragic death of **Mr Earl Wright**, a graduate of the Department and former part-time lecturer in Geology. We were deeply shocked by his death and we remember him with affection.

Mr Remy Sietchiping joined the Department as Temporary Lecturer in Geography.

The inaugural lectures of two recently-appointed professors were presented during the year: **Professor Trevor Jackson** on “Tracing Geochemical Signatures in Hot Rocks across the Caribbean” on August 14, 2002, and **Professor Wilma Bailey** on “Family Planning, Reproductive Health and the Health of Communities” on October 23, 2002.

Professor Elizabeth Thomas-Hope was awarded a Mona Research Fellowship to conduct research into “Environmental Management in Economic Performance in the Caribbean.” **Mrs Adonna Jardine-Comrie** was appointed Junior Research Fellow on the project.

Two lecturers who joined the Department in the previous year were awarded UWI Special Initiative Grants: **Dr Susan Mains**, to work on “Mobility and Migration: Exploring Transnationalism in the Context of Jamaica,” and **Dr Faisal Butt**, to work on “Modelling Groundwater Flow in the Alluvial Aquifer of the Lower Yallahs Basin, St Thomas.”

The main focus of the Department's activities on the University's Research Day, January 30, 2003, was the formal opening of the new exhibit of the cast of the fossil sea cow, *Pezosiren portelli*, in the Geology Museum. The fossil is the oldest sea cow ever discovered in Jamaica. **Dr Simon Mitchell** and **Dr Thomas Stemann** were members of the international team of scientists who worked on the excavation of the fossil in St James. Funding for the project was provided by the National Geographic Society and by Barbara and Reed Toomey. The opening of this exhibit received considerable media coverage, and it remains an important feature of the Geology Museum's collection.

At the University's Research Day annual award ceremony, two members of the Department were recognized for their work. **Professor Wilma Bailey** was recognized as a Distinguished Researcher for her work with colleagues in the Faculty of Social Sciences on "Family and the Quality of Gender Relations: A Situational Analysis of Reproductive Health in the Caribbean." **Dr Faisal Butt** won an award for Best Publication in the Faculty of Pure and Applied Sciences, for his paper (with non-UWI collaborators) on "Modelling Late Cenozoic isostatic elevation changes in the Barents Sea and their implications for oceanic and climatic regimes: preliminary results."

Dr Butt also won the 2002 START [System for Analysis, Research and Training] Young Scientist Award.

Professor Wilma Bailey received an award for more than twenty years of continuous service to the Caribbean Examinations Council (CXC) on the occasion of the Council's thirtieth anniversary.

Mr Rafi Ahmad was recognized by the International Landslide Research Group (ILRG) for his years of leadership in landslide hazard reduction in the Caribbean, and was presented with a certificate and a citation by Dr Earl Brabb, ILRG President, in July 2003.

Professor Trevor Jackson was elevated to a Fellow of the Caribbean Academy of Sciences in August 2002.

Dr Balfour Spence represented UWI as a regional team member on the Japan International Cooperation Agency (JICA) funded Caribbean Disaster Management (CADM) project. The project is intended to promote flood hazard loss reduction in the Caribbean through the development of flood hazard maps which will be used to inform community disaster management planning. To promote the research

capacity of the Unit for Disaster Studies, Dr Spence has obtained approval of a research grant valued at nearly US\$50,000 from JICA to conduct two technical research activities. Collaborating with Dr Spence are **Dr Faisal Butt** and other members of the Department, as well as the Caribbean Disaster Emergency Response Agency (CDERA).

Dr. Thomas Stemann is a co-investigator on two grants from the National Geographic Society. The first is to study “The Pliocene reefs of Jamaica: implications for biodiversity and faunal turnover,” covering work on the Hopegate Formation of Jamaica, in association with principal investigator Dr. S.K. Donovan (National Natuurhistorisch Museum, Leiden, The Netherlands), and R. Portell (Florida Museum of natural History, Gainesville, Florida). The second project is entitled “Dawn of land and sea mammals in the West Indies: Seven Rivers, Jamaica,” covering fieldwork excavating fossil manatees and other vertebrate material, in association with principal investigator Dr. Daryl Domning (Howard University).

Dr Susan Mains was co-chair and co-organizer for a series of Geographic Perspectives on Women/Latin American/Qualitative Geography Specialty Group sponsored sessions on “Caribbean Stories: ‘Representing’ Voices from the Margins?” at the Annual Meeting of the Association of American Geographers, New Orleans, March 2003.

Three postgraduate students, Corin Bailey (Geography), Thérèse Ferguson (Environmental Management), and Gavin Gunter (Geology), returned to the Department from their year in the United Kingdom at the Universities of London and Liverpool as recipients of Commonwealth Split-Site Awards. Another two postgraduate students, Sherene James (Geology) and Karen Thomas (Geography), have won these awards for September 2003, and will be proceeding to the University of Liverpool.

Fifteen students graduated in November 2002 with the MSc degree in Integrated Urban and Rural Environmental Management, and in the current year 21 students are registered in this programme, which is coordinated by **Professor Elizabeth Thomas-Hope** in the Environmental Management Unit.

Seventeen students, including four from Appalachia State University (USA), registered for the summer course GL30D: Analysis and Management of Geohazards and Risks, which was once again run by **Mr Rafi Ahmad**. As part of this course, Mr Ahmad organized a Debris Flow

Workshop, sponsored by the Caribbean Cement Company and the International Consortium on Landslides.

The Sedimentary Basin Resource Assessment (SEBRA) Project, directed by **Dr Simon Mitchell** and supported by a grant from the Environmental Foundation of Jamaica, moved into its second year; detailed data have now been collected from the Rio Minho.

The Department hosted a visit from Dr Desa Djordjevic Milutinov, Curator of Palaeobotany, Natural History Museum, Belgrade, Yugoslavia. He examined the Geology Museum's collection of plant fossils and established names for specimens previously identified. He also presented a collection of Miocene plant fossils from Serbia to the Museum.

The Department also welcomed **Dr Duncan McGregor**, Royal Holloway College, University of London, who, as external examiner for Physical Geography, spent one week reviewing examination materials and course structures and holding discussions with staff and students.

The Department continued to administer the Earthquake Unit, the Unit for Disaster Studies, and the Environmental Management Unit.

RESEARCH IN PROGRESS

Mr Rafi Ahmad

- Neotectonics;
- Landslide processes and hazards;
- Structural and lithological controls on the evolution of landforms;
- Mapping and assessment of natural hazards;
- Preparation of hazard maps.

Dr Benedict Arimah

- Measuring and explaining the provision of infrastructure in African cities;
- Human development and poverty alleviation in Africa.

Professor Wilma Bailey

- An atlas of HIV/AIDS in the Caribbean;
- Climate and dengue in the Caribbean.

Dr David Barker

- Alternatives to the traditional yam stick method of staking yams.

Dr Faisal Butt

- Modelling groundwater flow in the alluvial aquifer of the lower Yallahs basin, St Thomas, Jamaica;
- The influence of climatic and tectonic changes on high erosion rates during the Cenozoic - examples from a polar margin;
- Relief changes in the Barents Sea and the Mid-Pleistocene climate shift.

Professor Trevor Jackson

- Volcanic petrology of pre-Soufrière rocks, St Vincent;
- Geochemistry of the Miocene bentonites of Jamaica;
- Mineralogy of the black sands of the south coast of Jamaica;
- Mineralogy of the volcanoclastic turbidites of the Grand Bay Formation, Carriacou;
- Chemistry and mineralogy of Jamaican agates.

Dr Susan Mains

- Diaspora dreams and stories of Jamaican migration.

Dr David Miller

- Review of the karst geomorphology of the White Limestone Group, Jamaica;
- Ridge, cone and tower karst geology and geomorphology in southern St Elizabeth, Jamaica;
- Palaeokarst in southern St Elizabeth, Jamaica;

- The geomorphological legacy of Quaternary environmental change, south central Jamaica;
- The palaeoenvironmental significance of solifluction deposits and cryoplanation terraces in southwest England.

Dr Simon Mitchell

- Sedimentology of Recent carbonate beach sediments in Jamaica;
- Lithostratigraphy and sedimentology of the Yellow Limestone Group, Jamaica (with Dr R. Maharaj, Institute of Marine Affairs, Trinidad);
- Lithostratigraphy and palaeogeography of the White Limestone Group, Jamaica;
- Sedimentology and palaeontology of the Red Chalk (with Dr C.J. Underwood, Birkbeck University, UK);
- Geology and stratigraphy of the Central Inlier, Jamaica; sustainable development of sand mining and sediment budgets in Jamaican rivers (SEBRA Project);
- Palaeokarst in Jamaica (with Dr D.J. Miller, Department of Geography and Geology, UWI);
- Origins of sea cows (with Dr D. Domning, Howard University, USA);
- Cretaceous and Eocene echinoderms (with Dr S.K. Donovan, Leiden, Netherlands);
- Taxonomy and biostratigraphy of rudist bivalves; biostratigraphy and palaeoecology of Jamaican Cretaceous ostracodes;
- Taxonomy and evolution of the coleoidea; palaeontology of sharks (with Dr C.J. Underwood, Birkbeck University, UK);
- Geoarchaeology of Taino settlements in Jamaica (with Dr P. Allsworth-Jones, Department of History and Archaeology, UWI);
- Geology and geochemistry of dolomite in the Caribbean;

- Sedimentation in active strike-slip fault systems - a case example from southeastern Jamaica;
- Strontium isotope stratigraphy of Late Cretaceous rudists (with Dr T. Steuber, Ruhr-Universität, Germany).

Professor Emeritus Edward Robinson

- Constructing a larger foraminiferal zonation for the Tertiary rocks of Jamaica;
- Strontium isotope ratio dating for the Eocene-Miocene limestones of Jamaica.

Mr Remy Sietchiping

- Spatial analysis of HIV/AIDS/STI in Jamaica;
- Monitoring urban growth of the Kingston region - GIS, GPS and remote sensing perspectives;
- Fusion of IKONOS and Landsat images to discriminate land use change in Kingston;
- Using remote sensing data to investigate land degradation and sedimentation in the Pélégre dam, Haiti.

Dr Thomas Stemmann

- Extinction and speciation patterns in reef corals from the Hopegate Formation (Late Pliocene), Jamaica;
- Study of reef coral biodiversity in the Late Cretaceous of Jamaica (with Gavin Gunter and Simon Mitchell);
- Statistical analysis of Eocene foraminifera (with Georgette D'Aguilar and E.R. Robinson);
- Fossil vertebrates of the Jamaican Eocene (with Daryl Domning, Howard University).

Professor Elizabeth Thomas-Hope

- Biodiversity and environmental management;
- Caribbean international migration;
- Poverty and the urban environment;
- Children's perception of the environment;

- Social and educational aspects of disaster planning.

PAPERS PRESENTED

- **R. Ahmad.** “Damaging landslides related to the intense rainstorm of 27 October – 8 November 2001, Portland, Jamaica.” Tenth International Conference and Field Trip on Landslides, Poland, September 6-16, 2002.
- **R. Ahmad.** “Structural and lithological controls on landslides in the northern Caribbean Plate Boundary Zone: Jamaican example.” Tenth International Conference and Field Trip on Landslides, Poland, September 6-16, 2002.
- **R. Ahmad & B. Lawrence.** “Assessment of rainfall characteristics and landslide hazard in Jamaica.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **R. Ahmad & D. Rowe.** “Deep-seated gravitational block-type slope movements in the Scotland District, Barbados.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **R. Ahmad, D. J. Miller & D. Rowe.** “Landslides related to precipitation in eastern Jamaica.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **R. Ahmad.** “Natural hazard maps in Jamaica: foundation for sustainable development.” National Scientific Conference on the Environment, Kingston, Jamaica, April 9-10, 2003.
- **R. Ahmad.** “Hurricane Preparedness Workshop”, sponsored by the Insurance Company of the West Indies Group Foundation, Kingston, Jamaica, June 6, 2003.
- **W. Bailey.** “Trainers Workshop, UWI HIV/AIDS Response Programme”, Ocho Rios, Jamaica, May 3-6, 2003.
- **W. Bailey.** “Adaptive capacity and dengue fever in Jamaica.” First Latin American and Caribbean Regional Workshop on Climate Change, San Jose, Costa Rica, May 26-30, 2003.

- **W. Bailey.** “WHO/UNESCO Training Workshop on Methods for HIV/AIDS Estimates and Projections”, Ocho Rios, Jamaica, July 21-24, 2003.
- **D. Barker & C. Beckford.** “The yam stick problem in Jamaica: using farmers’ knowledge in the search for sustainable solutions.” Annual Conference of the Association of American Geographers, New Orleans, March 2003.
- **I.C. Brown, S.F. Mitchell, D.P. Domning, R.W. Portell & S.K. Donovan.** “New fossil sea cow exhibit at the Geology Museum, University of the West Indies.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **S.K. Donovan, I.C. Brown, T.A. Jackson & S.J. Wood.** “Small is beautiful? Progress at the Geology Museum, UWI, Mona since 1988.” International Cultural Heritage in Geosciences, Mining and Metallurgy: Libraries-Archives-Museums: Museums and their Collections, Leiden, The Netherlands, June 2003.
- **J. Karanjac.** “Leaky underground storage tanks (LUST): Simulating the fate of benzene and other contaminants in groundwater systems. Case studies: Waycross, Georgia; East Village, Alabama; and a site in Minnesota.” Environmental Management and Regulation of Petroleum Storage Facilities, Kingston, Jamaica, October 2002.
- **J. Karanjac.** “Groundwater information systems as decision-making tools. Case study: Jamaica and Trinidad and Tobago.” CWWA/CEF 2002 Conference.
- **S.P. Mains.** “Mobility and exclusion: towards an understanding of migration in the context of Jamaica.” UN WIDER Conference on Poverty, International Migration and Asylum, Helsinki, Finland, September 2002.
- **S.P. Mains.** “Terror and traveling: media maps and undocumented immigration at the US-Mexico border.” Border Cities/Border Cultures Conference, University of Wisconsin, Milwaukee, November 2002.

- **S.P. Mains.** “Life and debt in a small place.” Annual West Indian Literature Conference: Caribbean Currents, University of Miami, Coral Gables, Florida, March 2003.
- **S.P. Mains.** “Passages: transatlantic border crossing between the West Indies and the UK.” Annual Meeting of the Association of American Geographers, New Orleans, March 2003.
- **S.F. Mitchell.** “Morphology, microstructure and stratigraphy of some small, Late Cretaceous radolitic rudists from Jamaica.” Sixth International Congress on Rudists, Rovinj, Croatia, September 29-October 5, 2002.
- **S. Khan & S.F. Mitchell.** “Possible source of a major sediment producer on tropical carbonate beaches – amorphous grains.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **S. James & S.F. Mitchell.** “Incised fan delta deposits, west side of the Port Morant harbour.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **E. James & S.F. Mitchell.** “Dolomite textures in Eocene limestones of central Jamaica.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **G.C. Gunter, J.D. Marshall & S.F. Mitchell.** “Palaeotemperature estimates for the Upper Cretaceous (Late Maastrichtian) of Jamaica.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **S.F. Mitchell.** “Timing of tectonic episodes based on a new Late Cretaceous Caribbean rudist biostratigraphy.” GeoMin 2003, Cuban Geological Society, Havana, Cuba, March 24-29, 2003.
- **R. Sietchiping.** “Geographic Information Systems and public health.” Jamaica Association of Public Health Inspectors, Spanish Town, Jamaica, November 2002.
- **R. Sietchiping & V. Grant.** “GIS and remote sensing: an answer for Jamaica in comprehensive disaster management.” National Scientific Conference on the Environment, Kingston, Jamaica, April 9-10, 2003.

- **R. Sietchiping.** “GIS and cellular automata for urban dynamics.” Sixth AGILE Conference on Geographic Information Science, Lyon, France, April 24-26, 2003.
- **T.A. Stemann.** “Were there coral communities in the Caribbean during the Eocene?” Geological Society of America Annual Meeting, Denver, Colorado, October 27, 2002.
- G. D’Aguilar, **E.R. Robinson & T.A. Stemann.** “Larger foraminiferal associations in the Eocene limestones of the Caribbean.” Sixth Conference, Faculty of Pure & Applied Sciences, UWI, Mona, March 18-20, 2003.
- **E. Thomas-Hope.** Discussant on “The potential of the school system in educating the Jamaican public about natural hazards.” International Hurricane Center, Florida International University, Miami, USA, September 15-16, 2002.
- **E. Thomas-Hope.** “Global migration management and the socio-economic integration of migrants.” Technical Secretariat on the Social Dimension of Globalization, International Labour Organization, Geneva, Switzerland, September 18-19, 2002.
- **E. Thomas-Hope.** “Irregular migration and asylum seekers in the Caribbean.” United Nations Conference on Poverty, International Migration and Asylum, World Institute for Development Economics Research, Helsinki, Finland, September 27-28, 2002.
- **E. Thomas-Hope.** “Return of qualified migrants and new initiatives in international migration programmes in the Caribbean region.” International Migration Policy Seminar, International Organization for Migration, Santo Domingo, Dominican Republic, October 29, 2002.
- **E. Thomas-Hope.** “Labour migration: global standards and local characteristics in the Caribbean.” International Migration Policy Seminar, International Organization for Migration, Santo Domingo, Dominican Republic, October 31, 2002.
- **E. Thomas-Hope.** “Human rights of migrants and trafficking in the Caribbean.” United Nations Economic Commission for

Latin America and the Caribbean, Santiago, Chile, November 19-22, 2002.

- **E. Thomas-Hope.** “The development of a culture of disaster mitigation: the programme in disaster studies in the Department of Geography and Geology, University of the West Indies.” Seminario Fuerzas Aliadas Humanitarias 2003, Managua, Nicaragua, February 24-28, 2003.
- **E. Thomas-Hope.** “Skilled returnees to Jamaica and current migration theory.” Annual Conference of the Association of American Geographers, New Orleans, USA, March 5-10, 2003.
- **E. Thomas-Hope.** “Land management research at Mona. Workshop on Land Administration and Management in the English-Speaking Caribbean”, Port of Spain, Trinidad and Tobago, March 19-21, 2003.
- **E. Thomas-Hope & B. Spence.** “Biodiversity in sustainable agricultural practices: implications for agrochemical usage in Jamaica.” National Scientific Conference on the Environment, Kingston, Jamaica, April 9-10, 2003.
- **E. Thomas-Hope & B. Spence.** “Placing a value on the environment.” The National Environment & Planning Agency (NEPA) Conference of Puisne Judges and Resident Magistrates, Ocho Rios, Jamaica, May 17, 2003.
- **E. Thomas-Hope.** “Mechanisms and policy recommendations for sharing the gains of migration.” International Institute for Labour Studies Conference on the Migration of the Highly Skilled, Geneva, Switzerland, May 26-27, 2003.
- **E. Thomas-Hope.** “Caribbean migration and the transnationalization of social capital.” Conference on The Caribbean World: Challenges and Prime Movers, Université de Montaigne, Bordeaux, France, June 1-6, 2003.
- **E. Thomas-Hope & B. Spence.** “Methods for calculating environmental values, deterrents and penalties.” The National Environment & Planning Agency (NEPA) Conference of Appellate and High Court Justices, Ocho Rios, Jamaica, June 22, 2003.

PUBLICATIONS

Refereed

- * **H.A. Ellis, N.A. White, I. Hassan & R. Ahmad.** "A room temperature structure for anhydrous lead (II) decanoate." *Journal of Molecular Structure*, 642, pp. 71-76.
- * **R. Ahmad.** "Primer on earthquake hazards and disasters in Jamaica." *Caribbean Geography*, 10(2), 2002, pp. 124-136.
- * **D. Barker.** "Into the new millennium with a website for Caribbean Geography." *Caribbean Geography*, 11(1), 2000, pp. 1-7.
- * **D. Barker & C. Beckford.** "Yam production and the yam stick trade in Jamaica: integrated problems for resource management." In D. Barker & D.F.M. McGregor (eds.), *Resources, Planning and Environmental Management in a Changing Caribbean*. Kingston: UWI Press, pp 57-74.
- * **D.F.M. McGregor & D. Barker.** "Environment, resources, and development: some reflections on the Caribbean research agenda." In D. Barker & D.F.M. McGregor (eds.), *Resources, Planning and Environmental Management in a Changing Caribbean*. Kingston: UWI Press, pp. 1-10.
- * **I.C. Brown & D.M. Langner.** "Type and figured specimens in the Geology Museum, University of the West Indies, Mona Campus, Jamaica." *The Geological Curator*, 7(8), pp. 299-304.
- * **F.A. Butt, H. Drange, A. Elverhoi, O.H. Ottera & A. Solheim.** "Modelling Late Cenozoic isostatic elevation changes in the Barents Sea and their implications for oceanic and climatic regimes: preliminary results." *Quaternary Science Reviews*, 21, 2002, 1643-1660.
- * **A. Elverhoi, F.V. de Blasio, F.A. Butt, D. Issler, C. Harbitz, L. Engvik, A. Solheim & J. Marr.** "Submarine mass-wasting on glacially influenced continental slopes: processes and dynamics." In J.A. Dowdeswell & C.O. Cofaigh (eds.), *Glacially-Influenced Sedimentation on High-Latitude Continental Margins*, Geological Society of London Special Publication, 203, 2002, 73-87.

- * R.N. Abbott Jr., B.R. Bandy, **T.A. Jackson** & P.W. Scott. "Blueschist-greenschist transition in the Mt Hibernia schist, Union Hill, parish of St Thomas, Jamaica." *International Geology Reviews*, 45, 2003, 1-15.
- * **J. Karanjac**. "Groundwater information systems as decision-making tools. Case study: Jamaica and Trinidad and Tobago." *Caribbean Environmental Management Journal*, 1, 2002.
- * **S. Mains**. "Making news in southern California: representing national identity, borders, and migration." *Hagar: International Social Science Review*, 2, pp. 271-298.
- * **S. Mains**. "Maintaining national identity at the border: scale, masculinity, and the policing of immigration in southern California." In A. Herod & M. Wright (eds.), *Geographies of Power: Placing Scale*. London: Blackwell, 2002, pp. 192-214.
- * **S. Mains**. "The future of multi-ethnic Britain: media, diversity, and regional identity." In S. Ralph, H. Manchester & C. Lees (eds.), *Diversity or Anarchy*, Luton: University of Luton Press, 2003, pp. 225-232.
- * **D.J. Miller** & **S.F. Mitchell**. "Palaeokarstic surfaces in the Guinea Corn Formation (Upper Cretaceous), Jamaica." *Cretaceous Research*, 24, 2003, pp. 119-128.
- * **S.F. Mitchell**. "Palaeoecology of corals and rudists in mixed volcanoclastic-carbonate small-scale rhythms (Upper Cretaceous, Jamaica)." *Palaeogeography, Palaeoclimatology, Palaeoecology*, 186, 2002, 237-259.
- * T. Steuber, **S.F. Mitchell**, D. Buhl, G. Gunter & H.U. Kasper. "Catastrophic extinction of Caribbean rudist bivalves at the Cretaceous-Tertiary boundary." *Geology*, 30, 2002, 999-1002.
- * **S.F. Mitchell** & G.C. Gunter. "Biostratigraphy and taxonomy of the rudist *Chiapasella* in the *Titanosarcophytes* limestones (Maastrichtian) of Jamaica". *Cretaceous Research*, 23, 2002, 473-487.
- * G.C. Gunter, **E. Robinson** & **S.F. Mitchell**. "A new species of *Omphalocyclus* (Foraminiferida) from the Upper Cretaceous of

Jamaica and its stratigraphical significance.” *Journal of Micropalaeontology*, 21, 2002, 149-153.

- * **E. Robinson.** “Upper Paleogene larger foraminiferal succession on a tropical carbonate bank, Caribbean region.” In D.R. Prothero, L.C. Ivany & E.A. Nesbitt (eds.), *From Greenhouse to Icehouse: The Marine Eocene-Oligocene Transition*, 2003, 294-302.
- * **R. Sietchiping.** “Evolution de l'espace urbain de Yaoundé, au Cameroun, entre 1973 et 1988 par télédétection.” *Télédétection*, 3 (2-3-4), 2003, 137-144.
- * **E. Thomas-Hope.** *Irregular Migration and Asylum Seekers in the Caribbean*. World Institute for Development Economics Research, United Nations University, Helsinki, 2003, DP48, p. 20.
- * A. Acuna, E. Cervantes, G. Garland, G. Gonzalez, E. Horna, C. Monteiro Neto, B. Ratter, B. Ruiz & **E. Thomas-Hope.** “Inter-university cooperation in the field of integrated coastal zone management.” In M. Foth *et al.* (eds.), *Ten Years after Rio: Steps towards Sustainable Use and Development of Coastal and Marine Areas*. Bremen, Germany: Internationale Weiterbildung und Entwicklung gGmbH, 2002.
- * A. Alves, J. Brown, W. Ekau, H. Govan, A. Kunzmann, G. Liebezeit, A. Muhlig-Hofmann, L. Muoro-Wilson, **E. Thomas-Hope** & L. Weitzel. “Bismarck-Solomon Seas and Solomon Islands integrated coastal zone management pilot project.” In M. Foth *et al.* (eds.), *Ten Years after Rio: Steps towards Sustainable Use and Development of Coastal and Marine Areas*. Bremen, Germany: Internationale Weiterbildung und Entwicklung gGmbH, 2002.
- * **E. Thomas-Hope.** “Resource valuation techniques in promoting the sustainable use of coastal resources: the case of Ocho Rios, Jamaica.” In M. Foth *et al.* (eds.), *Ten Years after Rio: Steps towards Sustainable Use and Development of Coastal and Marine Areas*. Bremen, Germany: Internationale Weiterbildung und Entwicklung gGmbH, 2002.

Non-Refereed

- * D. Barker & D.F.M. McGregor (eds.). *Resources, Planning and Environmental Management in a Changing Caribbean*. Kingston: UWI Press, 2003 (281 pp.).
- * **E. Thomas-Hope**. *Caribbean Migration*. Kingston: University of the West Indies Press, 2002, 184 pp. (Reprint of *Explanation in Caribbean Migration: Perception and the Image*, Jamaica, Barbados and St Vincent.)
- * C. Beckford & **D. Barker**. "An evaluation of field trials of live yam sticks in Litchfield, south Trelawny." Technical Paper #3.
- * **S. Mains**. "Mobility and exclusion: towards an understanding of migration in the context of Jamaica." UN WIDER conference report on Poverty, International Migration and Asylum, 2002.
- * **S. Mains**. *Geographic Perspectives on Women Specialty Group of the Association of American Geographers Newsletter*, December 2002.
- * **S. Mains**. Review of S. Saldivar-Hull, *Feminism on the Border: Chicana Gender Politics and Literature*. In *Gender, Place and Culture*, 9(3), 2002, pp. 307-309.
- * **S. Mains**. *Geographic Perspectives on Women Specialty group of the Association of American Geographers Newsletter*, February 2003.
- * **R. Sietchiping** & V. Grant. "GIS and remote sensing: an answer for Jamaica in comprehensive disaster management." *Proceedings of the National Scientific Conference on the Environment*, Kingston, Jamaica, April 9-10, 2003.
- * **R. Sietchiping**. "GIS and cellular automata for urban dynamics." *Proceedings of the Sixth AGILE Conference on Geographic Information Science*, Lyon, France, April 24-26, 2003, 389-399.
- * **E. Thomas-Hope**. "Trafficking in the Caribbean and the human rights of migrants." *Proceedings of the Conference of the United Nations Economic Commission for Latin America and the Caribbean*, Santiago, Chile, 2002.
- * **E. Thomas-Hope**. "Race and migration in the Hispanic Caribbean: the reception of West Indians in Panama, Costa Rica

and Cuba (1840-1940).” In A. Insanally (ed.), *The Socio-Economic and Cultural Impact of West Indian Migration to Costa Rica* (1870-1940). Kingston: The Latin American-Caribbean Centre, Third in Seminar Series on Intra-Regional Migration, UWI, 2003, pp. 46-57.

- * **E. Thomas-Hope** & B. Spence. “Biodiversity in sustainable agricultural practices: implications for agrochemical usage in Jamaica.” *Jamaica Institute of Environmental Planners* (CD-ROM).

PUBLIC SERVICE

R. Ahmad

- Member, National Damage Assessment, Recovery and Rehabilitation Subcommittee, Office of Disaster Preparedness and Emergency Management, Jamaica;
- Member, Peer Review Panel, Guidelines for Integrating Climate Change and Natural Hazards in Environmental Impact Assessments, Adapting to Climate Change in the Caribbean (ACCC)
- Caribbean correspondent, International Landslide Research Group;
- Member, Board of Representatives, International Consortium on Landslides (Coordinator, ICL Events Committee, and Assistant to ICL President);
- Fellow, Geological Society London.

W. Bailey

- Chairman, Mona Campus Committee on Examinations;
- Member, UWI HARP Subcommittee on KAPB Studies;
- Chairman, UWI HARP Subcommittee on Research;
- Faculty representative, Board of Gender Studies, UWI;
- UWI alternate representative, Board of the Environmental Foundation of Jamaica;
- Chief Examiner, CAPE Geography;
- Convenor of the Geography Panel, CAPE.

D. Barker

- Editor, *Caribbean Geography*;
- Chairman, Aqueduct newsletter subcommittee, SCR Club;
- Member, Management Committee, SCR Club.

F. Butt

- External examiner, University of Oslo;
- External examiner, Council of Community Colleges in Jamaica;
- Member, Caribbean Academy of Sciences;
- Member, Geological Society of Jamaica.

T. Jackson

- Fellow, Caribbean Academy of Sciences;
- Honorary member, Geological Society of Jamaica;
- Member, Geological Society of Trinidad & Tobago;
- Member, American Geophysical Union; Member, Association of Geoscientists for International Development;
- Member, International Liaison Group on Gold Mineralization;
- Member, Geological Society of America;
- Member, Yorkshire Geological Society.

S. Mains

- Board member (program director), Cultural Geography Specialty Group of the Association of American Geographers;
- Board member, Geographic Perspectives on Women Specialty Group of the AAG;
- Editor, *Geographic Perspectives on Women Specialty Group of the AAG Newsletter*;
- Manuscript reviewer, *GeoJournal*;
- Manuscript reviewer, *South Eastern Latin Americanist*;
- Member, fundraising committee, Women in Film and Television - Jamaica.

D.J. Miller

- Book review editor, *Caribbean Geography*;
- Secretary, Jamaican Association of Geomorphologists.

S.F. Mitchell

- Chairman, Commission on Jamaican Lithostratigraphy;
- Member, Technical Working Group on Jamaican Beach Policy;
- Council member, Geological Society of Jamaica;
- Editor, *Caribbean Journal of Earth Science*;
- Editor, *Contributions to Geology* (UWI).

T.A. Stemann

- Vice-President, Geological Society of Jamaica;
- Chairman, Field Trip Subcommittee, Geological Society of Jamaica;
- Member, Earth Science Week Subcommittee, Geological Society of Jamaica;
- Coordinator, Department of Geography and Geology Brown Bag Seminars.

E. Thomas-Hope

- Chair, Board of the Jamaica Sustainable Development Network;
- Member, Tribunal for the NRCA Act of the Ministry of Land and Environment;
- Member, Board of Directors, Jamaica Engineers Foundation;
- Member, Children's Coalition, UWI;
- Member, Board of Management, Commonwealth Institute, University of London;
- Director, Luis Fred Kennedy Environmental Foundation;
- Member of the editorial advisory boards of *The Caribbean Journal of Agriculture and Natural Resources*, *The International Journal of Disability Studies*, and *Progress in Development Studies*;

CATEGORIES OF STUDENTS

Undergraduates: Geography

Course	Regd	Sat	Passed	% Passed
GG10A Introduction to Human Geography	95	92	77	81
GG10B Introduction to Physical Geography	90	90	54	60
GG20C Geography of the Caribbean	46	46	42	91
GG21A Urban Geography	43	43	43	100
GG21B Geography & Development	34	34	32	94
GG22A Geosphere & Hydrosphere	52	52	32	62
GG22B Atmosphere & Biosphere	47	47	41	87
GG31C Tropical Agricultural Systems & Development	30	30	28	93
GG31D Global Structure & Political Order	16	16	14	88
GG32A Geomorphic Processes & Landforms	20	20	18	90
GG32D Health & Society	28	28	26	93
GG33B Urban & Regional Planning	33	33	33	100
GG33F Introduction to Geographical Information Systems	27	27	27	100
GG33G Disaster Management	40	38	34	89
GG33H Environmental Resource Management	40	40	40	100
GG360 Research Paper	57	56	49	88

Undergraduates: Geology

Course	Regd	Sat	Passed	% Passed
GL10A Introduction to Earth Sciences I	63	62	53	85
GL10B Introduction to Earth Sciences II	37	37	24	65
GL21A Palaeontology	23	23	22	96
GL22A Sedimentology	23	22	22	100
GL23B Igneous Petrology	19	19	18	95
GL24B Metamorphic Petrology	22	22	20	91
GL25A Geological Mapping & Map Interpretation	18	18	18	100
GL30D Analysis & Management of Geohazards & Risks	17	17	17	100
GL311 Field Geology	11	11	11	100
GL32A Caribbean Geology	9	9	8	89
GL33A Engineering Geology & Hydrogeology	12	12	10	83

GL34A	Advanced Sedimentology & Fossil Fuels	14	14	14	100
GL35A	Advanced Palaeontology	4	4	4	100
GL36A	Applied Geophysics	7	7	7	100
GL38B	Economic Geology	9	9	9	100
GL39B	Plate Tectonics & Structural Analysis	7	7	7	100
GL39L	Environmental Geology & Management	10	10	10	100

Undergraduate Prizes Awarded

The Barry Floyd Prize for the best student in Level I Geography was awarded to **Soyini Ashby**.

The Geological Society of Jamaica Scholarship was awarded to **Angela Munroe**.

The Harry Kuarsingh Memorial Bursary (Geology) was awarded to **Ryan Ramsook**.

Postgraduates: Environmental Management

Twenty-one students were registered for the MSc degree in Natural Resource Management – Integrated Urban and Rural Environmental Management.

Research Postgraduates

R.E.A. Robertson was awarded the PhD degree in Geology for his dissertation on “The Volcanic Geology of the Pre-Soufrière Rocks on St Vincent, West Indies.” He was supervised by **Professor Trevor Jackson**.

DISTINGUISHED VISITORS

Professor Rick Abbott, Appalachia State University, USA.

Dr Earl Brabb, Scientist Emeritus, US Geological Survey, USA.

Mr James Jacobs, Hydrogeologist and Senior Fulbright Specialist, USA.

Dr Duncan McGregor, Royal Holloway College, University of London, UK.

Dr Desa Djordjevic Milutinov, Natural History Museum, Belgrade, Yugoslavia.

Mr Doug VanDine, VanDine Geological Engineering Ltd., Canada.

DEPARTMENT OF LIFE SCIENCES

Ralph D. Robinson BSc, PhD *Belfast* – Head of Department

WORK OF THE DEPARTMENT

Having undergone considerable restructuring of our undergraduate program, *viz.* removal of undersubscribed courses and amalgamating several others to produce new offerings in the 1999-2001 academic years, this year saw stabilization of enrolment of students in the established BL10L Animal Diversity and BL10M Plant Diversity courses (Figure) and increased enrolment in BB10A Cells, Biomolecules and Genetics and BB10B Introductory Microbiology courses. The latter two courses were pioneered and taught jointly by the Department of Life Sciences and the Biochemistry Section of the Department of Basic Medical Sciences. The partnership, which has operated for the last three years, augers well in maintaining optimal student numbers in our courses and ensures that all students reading for majors in biological and biochemical subjects receive the same solid academic grounding.

The Department of Life Sciences has now settled firmly on 4 undergraduate majors – Botany, Environmental Biology, Experimental Biology and Zoology – and 2 Minors – Botany and Zoology – as its primary B.Sc. offerings. Enrolment in the Environmental Biology degree over the past 2 years has been particularly encouraging, and is probably a function of the expertise and enthusiasm of staff researching and teaching environmental disciplines. The new major in Experimental Biology brings together our laboratory-based courses and will provide students with increased exposure to instrumentation and measurement.

The first phase of teaching in the BEd. Secondary (Distance) program that involved the Department saw the hosting of BL10M Plant Diversity in the summer. Two post-graduate students from the Department of Life Sciences and The Centre for Marine Sciences, **Ms Josette LaHee** and **Mr Peter Edwards**, respectively, delivered the course. **Dr Ralph Robinson** is the Subject Coordinator for the Biology component of the program on the Mona Campus, and he was recently appointed to the Steering Committee for the project.

For the first time in the history of the Department, a taught M.Sc. was hosted in September 2002. This program, entitled “Biological Approaches in Ecosystem Management” is coordinated by **Dr Peter Vogel** and offered by the Department under the Natural Resource Management umbrella. Designed specifically to provide the biologist with the necessary tools to conduct specific tasks in a team of environmental managers, 3 students are expected to graduate with the MSc. With improved advertisement and marketing, and resort to part-time registration, this year the program has attracted more than a dozen applications for its second running. During the year, the program was renamed M.Sc. Tropical Ecosystems Assessment and Management.

Another MSc, “Plant Production and Protection”, received approval of the University and will be offered in September 2003. The MSc will be coordinated **Dr Phyllis Coates-Beckford** and has so far attracted also more than a dozen applications.

Several members of staff and graduate students benefited from multimedia workshops run by the INFOCOM Centre, and Staff Development workshops offered by the Instructional Development Unit.

Plant and vehicles

The Department received 40 new slim-line Pentium-IV computers from the **Mona Information and Technical Services – Educational Technology Fund**. They replace the 40 or so Pentium I computers received with the new IDB-funded Biology Building 4 years ago. As has happened in the past, the equipment was quickly put to good use in our teaching, research and outreach programs.

The telephone system for the Department was rationalized during the year such that persons working in different parts of the Department (e.g. the old Botany or Zoology sections) can access individuals directly by telephone rather than going through the administrative staff in the main office for reconnection. The work was paid for by the Department.

Work that had begun in the old pantry area in the Department last year was completed over the summer, and a purpose-designed **Freshwater Ecology Laboratory** is the result. The refurbishment, which was paid for from Campus funds, constitutes dry and wet laboratory facilities that are physically linked with the existing aquarium room which also received sprucing up. The facility comes under the supervision of **Dr Eric Hyslop**, our freshwater ecologist. The **Parasite Research Laboratories** also received a facelift viz. floor tiling and repainting. This small project was funded by the Department.

The Department benefited from refurbishment of sanitary facilities that began 3 years ago in the Faculty. However, several facilities remain in need to attention. Over the year, several doors and other wooden installations in the Department had to be renovated or replaced resulting from (frankly) shoddy workmanship.

Insurance funds to replace Beröe, a 20-foot hull # PR574 with 2 Johnson outboard motors, that was stolen from Port Royal Marine Laboratory (PRML) in November 2001, were used to purchase a new 25 feet hull which is yet to be named. Several exercises saw the refurbishment of doors, windows and roofing at the Laboratory paid for by The University under the supervision of **Dr Mona Webber** who coordinates activities at PRML on behalf of the Department. Although the arrangements under which the UWI Shrimp Project uses PRML were clarified two years ago, landscaping of the site agreed with the Office of Finance *at that time has still not begun*. Unfortunately, the Mitsubishi twin-cab pickup, that normally serviced PRML and the Department, was stolen

from a location nearby the Campus. The vehicle was insured through The University, and it is hoped that we will be able to replace the vehicle soon.

Staff Matters

Sincere condolences were extended to **Dr Sasikala Potluri** and **Dr P.V. Devi Prasad** following the tragic death of their son **Avinash** during the year. Following a period of Compassionate Leave, **Dr P.V. Devi Prasad**, resigned his Senior Lectureship in the Department. **Dr Devi Prasad** is a former Head of the Department of Botany and an influential researcher; he will be missed by his colleagues and students alike, and carries with him the best wishes of us all. Dr Potluri was granted Compassionate Leave which lasted for most of the teaching year.

Dr Dunbar Steele, the first Head of the Department of Life Sciences, and former Head of the Department of Zoology continued his service to University through the Dean's Office as a researcher to oversee the pilot project involving mariculture of Jamaican red hybrid tilapia. He also oversaw Summer School in the Faculty.

Dr Dale Webber, **Dr Mona Webber** and **Dr Peter Vogel** were all promoted to Senior Lectureships in the Department in recognition of their professional accomplishments and commitment to their respective fields of study and the Department.

Mr Karl Aiken and **Dr Dale Webber** returned from sabbatical leave taken during the year. Whilst on leave, **Mr Aiken** conducted research associated with the Queen Conch Abundance Survey. The work showed that the Queen conch, though poached by foreign vessels, is still robust, but is in need of continued management by continued annual gradual reduction of the National Quota. Mr Aiken also brought to a conclusion his two-year study of The Whitehouse, Westmoreland Fishery which he conducted with his MPhil student, **Miss Anginette Murray**. During the course of the year, **Mr Aiken** also submitted for examination a doctoral thesis that is based on the use of otoliths (earstones) for aging fishes. **Dr Webber** conducted research of coastal wetlands and put much effort into formally publishing research conducted by himself and his graduate students over the past 5 years, particularly the internationally recognized research efforts on Kingston Harbour.

Dr Paula Tennant visited the U.S. Pacific Basin Agricultural Research Center, Hilo, Hawaii (May 20-July 12, 2003) and assisted with a

USAID project on setting up international protocols on the deregulation of transgenic papaya for lesser-developed countries.

Dr Mark Thomas embarked on Special Leave for one year to read for an MSc degree, related to his research, at The University of London. He was replaced by **Mrs Alicia Lyn-Sue Chin**, formerly Principal Scientific Officer in the Department, who brought considerable professionalism and expertise to the course. **Prof. Brian Freeman** taught BT21A Seed Plants during the period Dr Portluri was on leave, and contributed teaching in BL10L Animal Diversity whilst Mr Aiken was on Sabbatical leave.

Vacancies in the teaching establishment were filled using temporary staff. **Mr. Frederick Boyd** taught as a temporary replacement for **Dr PV Devi Prasad**. **Miss Metz Peterkin** and **Mrs Celia Jackson** were re-appointed as Teaching Assistants to work with large first year classes, and **Mr Hugh Lounges** operated as Systems Manager in the Department. **Mr Carlton Allen**, a MSc graduate in Agriculture Diversification, UMPHU, Dominican Republic, was employed, temporarily, as a Technician attached to the busy Botany Laboratory #2. Additionally, **Ms Stacey McKoy** and **Mr Jahsen Levy** were employed on a temporary basis as Laboratory Technicians in the demanding Level II Zoology and Aquatic Laboratory facilities in the Department.

Awards

Dr Wayne Forbes (a former graduate student), **Dr Ralph Robinson** of the Department of Life Sciences and **Professor Paul Reese** from the Department of Chemistry were formally recognized at the **Principal's Research Day** in January 2003 as Distinguished Researchers in the Faculty of Pure and Applied Sciences for their invention "MEDICAMENTS FOR THE TREATMENT OF *STRONGYLOIDES STERCORALIS* INFECTIONS" and for which they have received *Letters Patent* as inventors.

At a meeting of the Association of Marine Science Laboratories of the Caribbean held in Trinidad in July 2003, **Emeritus Professor Ivan Goodbody** was honoured for his past services to the association by appointment to Honorary Life membership and the initiation of a new prize named the Ivan Goodbody Prize for the best poster presentation by a student at the regular scientific meeting of the association. During the meeting, **Professor Goodbody** was presented with a plaque recognizing

his contributions to the association and he in turn made the presentation to the first student to win the prize.

Congratulations are extended to **Miss Anginette Murray** (MPhil Zoology candidate) who won the prize for best oral presentation by a student at the Sixth Biennial Conference of the Faculty of Pure and Applied Sciences in March 2003.

Drs Dale Webber and **Mona Webber** were the joint recipients of the **Principal's New Initiative Funding** of US\$9000 for publication of work on "The Kingston Harbour Project 1992-2002", which pulls together ten years research on Kingston Harbour and details problems and solutions for management. **Dr Eric Garraway** was awarded a **University Research Fellowship** to study the taxonomy and biodiversity of Jamaican invertebrate fauna. The project will augment traditional morphometric approaches with modern, molecular (DNA) technologies that strongly complement the Department's investment in senior technical staff and two modern laboratories dedicated to teaching and molecular biology research.

Workshops / Symposia

The Department hosted several training courses and workshops during the year. The Jamaica Ornamental Fish Farmers Association, in association with CIDA and the Jamaica Agricultural Development Foundation, presented two, two-day workshops in the Department.

In addition, The Nature Conservancy (USA) hosted a workshop in the Department that was dedicated to the use of Geographical information Systems in biodiversity conservation.

The Department actively participated in a workshop that was organized by the Faculty on developing and organising strategies for effective partnership and collaboration with industry and the private sector.

RESEARCH

The Department actively supported research work conducted by academic staff and graduate students, with several projects receiving international or local funding as well as support from The Board for Graduate Studies and Research and The University. The major research topics in the Department were of an applied nature.

The number of original, refereed articles published by staff and graduate students in the Department tripled compared with last year's output. However, the current rate of about 0.5 papers per staff member per year is still below par for the life sciences. The high, possibly excessive, amount of face-to-face teaching undertaken in the Department unfortunately restricts the time otherwise available for independent research that should culminate in publication of outcomes in high impact journals.

The Department actively participated in the Principal's Research Day (January 30-31) which was held in January 2003 through a series of posters and multimedia displays in the Assembly Hall and hosting an "open day" in the Department itself. Here, we highlighted particularly collaborative research projects that the staff and graduate students in the Department are engaged in.

A one-day, in-house seminar allowed graduate students to make oral presentations of their work to the Department and, as usual, the Department contributed several posters and displays at meetings of several Community-based Conservation groups across the island.

Staff and graduate students in The Department participated by way of oral and poster presentations in the 6th Conference of the Faculty of Pure and Applied Sciences.

Research Funding

Mr Karl Aiken	–	J\$ 2,573,890 Environmental Foundation of Jamaica
Dr Jane Cohen	–	J\$ 34,548 Graduate Studies and Research Fund
Dr Dwight Robinson	–	J\$ 2,637,500 Jamaica Agricultural Development Foundation
Dr Paula Tennant	–	J\$ 1,875,000 Jamaica Agricultural Development Foundation
Dr Byron Wilson	–	US\$ 1500 Audubon Zoo
	–	US\$ 4000 International Iguana Foundation
	–	US\$ 3750 Miami Metrozoo

- J\$ 43,500 UWI Research & Publications Fund
- Dr Dale Webber)
- Dr Mona Webber) – US\$ 9,000 Principal's New Initiative Fund

RESEARCH IN PROGRESS

Mr Karl Aiken

- use of otoliths in aging selected species of commercial marine fishes
- assessment of wetland fisheries
- management studies of Queen conch

Dr Jane Cohen

- tree-crop interactions and soil conservation in contour hedgerow agroforestry systems
- mulches as weed management strategies in organic farming
- herbicidal effectiveness of household disinfectants (with Mr D. Hutton)
- floristic survey of isolated limestone landforms in central Jamaica (with Dr D. Webber)

Prof. Brian Freeman

- insect biodiversity of temperate woodlands
- the population dynamics of bark beetles
- bionomics of the lane snapper

Dr Eric Garraway

- ecology and conservation of Jamaican butterflies

- the ecology of the brown citrus aphid and citrus leaf miner
- conservation of Jamaican manatees
- taxonomy and biodiversity of Jamaican moths, aphids, carabid beetles, land snails and millipedes

**Emeritus Professor Ivan Goodbody and
Mrs Charlotte Goodbody**

- studies of Caribbean Ascidiacea
- documentation of a collection of deep-sea animals in the Department
- provision of electronically formatted underwater photographs for use by researchers and students to identify specimens they may encounter in their work

Dr Eric Hyslop

- effects of pollutants, land use and anthropogenic disturbances (e.g. bed disruption) on benthic macroinvertebrate fauna of Jamaican rivers
- application of the concept of longitudinal zonation of benthic macroinvertebrate fauna and the River Continuum Concept to Jamaican rivers
- effect of bedrock composition on benthic macroinvertebrate fauna of Jamaican rivers
- biology of Jamaican fishes
- biology and taxonomy of the Neritidae (Gastropoda: Prosobranchia) in Jamaica
- existence of estuaries and the temporal succession of benthic macroinvertebrates after a flood event
- definition of *Gambusia* species of Jamaican rivers using molecular and morphological techniques
- macro-invertebrate fauna of the freshwater systems and caves of the Cockpit Country
- biology of *Trichoptera* in Jamaican rivers

Dr Kurt McLaren

- management and restoration of biodiversity in the limestone forests of Jamaica
- changes in regenerative strategies along a rainfall gradient in Jamaica

Dr Dwight Robinson

- transmission and management of the Pink Bollworm of West Indian Sea Island Cotton
- nutrition, weed and pest management practices for organic agriculture

Dr Ralph Robinson

- interactions between seawater-cultured tilapia and infections with *Neobenedenia melleni*
- immuno-epidemiological studies of human *Toxocara canis* infections
- molecular characterisation of hookworms from dogs
- epidemiology of rat lung worm infections (*Angiostrongylus cantonensis*) that may result in meningitis in humans

Dr Dunbar Steele

- biological, environmental and economic feasibility of tilapia mariculture
- the biology of the invasive Indo-Pacific green mussel *Perna viridis* in Kingston Harbour
- settlement and growth of post-larvae of the spiny lobster *Panulirus argus* in Jamaica

Dr Paula Tennant

- environmental bio-safety assessment of transgenic papaya carrying the *Papaya Ringspot Virus* coat protein and marker genes
- pathology of citrus diseases: citrus replanting project
- development of transgenic West Indian Sea Island Cotton with resistance against insect pests

Dr Mark Thomas

- investigations of embryonic exposure and levels of growth factor in oxidative stress
- the physiology of violence

Dr Kisan Vaidya

- genetic studies to produce photoperiod-insensitive and high yielding cultivars of sorrel
- genetics of morphological mutations in roselle (sorrel)
- genetic studies in mothbean (*Vigna aconitifolia*), mungbean (*Vigna radita*) and blue pea (*Clitoria ternatea*)

Dr Peter Vogel

- ecology and conservation of Jamaica's terrestrial vertebrates and their habitats
- studies of bird composition along gradients of habitat disturbance
- impact of an exotic predator on Jamaica's dry forest herpetofauna
- conservation of the Jamaican Iguana
- ontogeny of predation in anoline lizards
- management of columbid game birds
- assessment of Jamaica's important bird areas

Dr Dale Webber

- oceanography and coastal water quality assessments
- environmental management planning
- impact and amelioration of sediment and agrochemical pollution
- assessment of phytoplankton and the microbenthos associated with the conch industry of Jamaica

Dr Mona Webber

- development of appropriate standards and techniques for the assessment of mangrove lagoons and related systems

- water quality monitoring in mangrove lagoons using plankton and traditional indices
- biodiversity in Mangrove Lagoons
- zooplankton secondary production in Discovery Bay
- effects of anthropogenic stress on mangrove forests, and deep and shallow reefs off Discovery Bay
- zooplankton and larvae at Pedro Banks

Dr Byron Wilson

- ecology and conservation of the Jamaican Iguana and other lizards
- effects of exotic predators on Jamaican fauna
- biological assessments of Jamaica's last remaining natural habitats
- social structure and movement patterns of the introduced Indian mongoose
- herpetofaunal assessments of the Cockpit Country

PAPERS PRESENTED

- Davis H. & Vogel P (2002). Effects of forest degradation on bird communities in the Cockpit Country, a limestone karst region of Jamaica. Third North American Ornithological Conference, 24 - 28 September 2002 in New Orleans, Louisiana.
- Douglas L, Sherry T & Vogel P (2002). Impact of habitat degradation on birds breeding in the life zone of tropical dry forests of southern Jamaica. Third North American Ornithological Conference, 24 - 28 September 2002 in New Orleans, Louisiana.
- Elliott, T & Webber, MK (2003). Temporal changes in mangrove root communities contrasting habitats of the Port Royal mangroves. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean.

- Powell M, Wheatley A, Tennant P, Omoruyi, Gonsalves D, Asemota H & Ahmad, MHW (2002). The effects of consumption of coat protein transgenic papaya (*Carica papaya* L.) on liver and kidney enzyme functions in rats. West Indian Medical Journal Supplement 51 (4): 18
- Roberts M, Minott D, Tennant, P & Jackson C (2003). Comparison of selected nutritional and anti-nutritional components of transgenic and nontransgenic papaya fruit (*Carica papaya* L.) in Jamaica. Institute of Food Technologists' Annual General meeting, Chicago, Illinois, July 12-13, 2003
- Small H, Lue D, Webber DF & Webber MK (2003). Water quality of the Conch Fishery area at Pedro Bank, South of Jamaica. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean.
- Vogel P (2003). West Nile Virus and Neotropical Bird Diversity. Pan American Health Organization, Ministry of Health and Canadian High Commission: National Conference on West Nile Virus, 21 January 2003, Kingston, Jamaica.
- Waugh CA Lindo, JF, Myrie C, Ashley D, Eberhard M & Robinson RD (2002). Wild rats as reservoirs of *Angiostrongylus cantonensis* in Jamaica. Proceedings of the 16th Annual Conference of the Scientific Research Council of Jamaica, Kingston, Jamaica.
- Webber DF, Webber MK, Bigg GR & Williams D (2003). The importance of tidal activity, meteorological vents and coastline changes to water circulation in Kingston Harbour. Jamaica Institute of Environmental Professionals 1st Conference of the Environment.
- Webber MK, Webber DF, Ranston E, Dunbar F, Simmonds R & Galbraith A (2003). Changes in Kingston Harbour after 20 years of continued eutrophication: identification of monitoring tools for efficient management. Jamaica Institute of Environmental Professionals 1st Conference of the Environment.

Proceedings of Sixth Conference of The Faculty of Pure and Applied Sciences, The University of the West Indies, Mona (March 18-20, 2003). ISBN 976 41 0087 2.

- Bennett CE, DeSalle R & Wilson BS (2002). "Preliminary review of the population structure of an exotic invasive carnivore, *herpestes javanicus*, in the West Indies".
- Bennett K-A.L & Hyslop EJ (2003). "A study of the taxonomy of *Gambusia* spp. Poey 1854 in Jamaican rivers using molecular and morphological techniques".
- Cohen JE & Hutton DG. (2003) "Herbicidal effectiveness of three household disinfectants – preliminary findings".
- D'Andrea ME & Hyslop EJ (2003). "A survey of the freshwater fauna of the Cockpit country, Jamaica".
- Fender AB & Hyslop EJ (2003). "Evaluation of the benthic macroinvertebrate fauna of the Rio Cobre and selected tributaries with special emphasis on the family Thiaridae", Gastropoda.
- Lawson CA & Hyslop EJ (2003). "Selected factors affecting the benthic macroinvertebrates of the lower Rio Minho", Clarendon.
- Leiba NS & Hyslop EJ (2003). "The effects of a salinity gradient on benthic macroinvertebrates in Spanish and Buff Bay rivers and the recovery of these organisms from major flooding and dredging events".
- Martin TR, Wolf K & Hyslop EJ (2003). "Habitat partitioning and radular structure of *Neritina punctulata*, Bussu, in two Portland rivers".
- McKoy S, Hyslop EJ & Robinson RD. "Digenean trematodes at the Mona Reservoir with special emphasis on *Thiara granifera* (prosobranchia)".
- Montague K & Hyslop EJ (2003). "The effect of urban and agricultural impacts on macroinvertebrate communities in the upper Rio Minho".

- Powell M, Wheatley A, Tennant P, Omoruyi F, Asemota H, Gonsalves D, Morrison, E & Ahmad MH (2003). “Effects of consumption of transgenic papaya (*Carica papaya* L.) on rat intestinal disaccharidases”.
- Roberts M, Minott D, Tennant P, Jackson-Malete J & Gonsalves D (2003). “Comparative evaluation of transgenic and nontransgenic papaya (*Carica papaya* L.) fruit developed for the control of Papaya ringspot virus in Jamaica”.
- Todd SR, Warner GW & Hyslop EJ (2003). “The impact of the introduced red-claw crayfish *Cherax quadricarinatus* (von Martens 1868) in two Jamaican rivers”.
- Townsend S, Maxam AM & Webber DF (2003). “The dispersal of phytoplankton in and along coastal embayments, hellshire coastline, St. Catherine Jamaica”.
- Waugh CA, Lindo JF, Cunningham-Myrie C, Eberhard M & Robinson RD (2003). “Angiostrongylus infections in rats and snails in Jamaica”.

PUBLICATIONS

Refereed

- * Aiken KA, Morris D, Hanley FC & Manning R. (2003). Aquaculture in Jamaica. *Naga, World Fish Centre Quarterly* 25 (3): 10-15.
- * Lindo JF, Waugh CA, Hall J, Cunningham-Myrie C, Ashley D, Eberhard M, Sullivan JJ, Bishop HS, Robinson DG, Holtz, T & Robinson RD (2002). Enzootic *Angiostrongylus cantonensis* in rats and snails, following an outbreak of human eosinophilic meningitis, Jamaica. *Emerging Infectious Diseases* 8(3): 324-326.
- * Mansingh A, Robinson DE & Dalip KM (2003). Use, fate and ecotoxicity of pesticides in Jamaica and the Commonwealth Caribbean. In *Pesticide Residues in Coastal Tropical Ecosystems*. Eds. M. D. Taylor, S. J. Klaine, F. P. Carvalho, D. Barcelo and J. Everaarts. Pub. Taylor and Francis; London and New York. ISBN 0-415-23917-6. p 425 - 463.

- * McLaren KP & McDonald M. (2003). Coppice regrowth in a disturbed tropical dry limestone forest in Jamaica. *Forest Ecology and Management* 180: 99-111
- * McLaren KP & McDonald M (2003). Seedling dynamics after different intensities of disturbance in a tropical dry limestone forest in Jamaica. *Journal of Tropical Ecology* 19: 567-578
- * McLaren KP & McDonald, MA (2003). The effects of light and moisture on seed germination and seedling survival in a Tropical Dry Forest in Jamaica. *Forest Ecology and Management* 183: 61-75
- * Robinson DE, Henry C & Mansingh A. (2002). Ecotoxicity studies in Jamaican environment. II. Toxicity, bioaccumulation, elimination and tissue partitioning of dieldrin by the shrimp, *Macrobrachium faustinum*. *Environmental Technology* 23 (11) 1275-1284.
- * Tennant P, Ahmad MH & Gonsalves D (2002) Transformation of *Carica papaya* L. with viruscoat protein gene for studies on resistance to *Papaya ringspot virus from Jamaica*. *Tropical Agriculture* (Trinidad) 79: 105-113
- * Vaidya KR & Jain SK (2002). Genetic variation in amaranth landraces from India. *Journal of Genetics and Breeding* 56: 193-204.

Non-refereed

- * Vogel P (2002). West Nile Virus has arrived in Jamaica – birds likely to be the primary victims. *Broadsheet BirdLife Jamaica* 79: 10-14.

Articles

- * Robinson RD (2002). What to Look for Under the Sea. In: A Tapestry of Jamaica. *Macmillan Caribbean Publishers*. 5pp.
- * Tennant P (2003) Agricultural Biotechnology: Overview of public perception. In: *The Gleaner*. Thursday, February 13, 2003, pp B6
- * Tennant P (2003) Crops of Agricultural Biotechnology (part 2). In: *The Gleaner*. Thursday, February 6, 2003, pp D12

- * Tennant P (2003) Crops of Agricultural Biotechnology: Safety questions and answers. In: *The Gleaner*. Thursday, January 30, 2003, pp B4
- * Tennant P (2002) Agricultural Biotechnology in 2001: A review. Faculty of Pure and Applied Sciences Newsletter, 14 (4): 10
- * Tennant P (2002) Crops of Agricultural Biotechnology: How are they developed? In: *The Gleaner*. Thursday, November 7, 2002, pp B10
- * Tennant P (2002) Crops of Agricultural Biotechnology: Just the RoundUp ready soybean? In: *The Gleaner*. Thursday, May 2, 2002, pp D8

PUBLIC SERVICE

Mr Karl Aiken

- Member, Board of Directors, Caribbean Coastal Area Management Foundation
- Member, Scientific Authority, Convention and International Trade in Endangered Species of Flora & Fauna, Jamaica
- Member, Fisheries Advisory Committee, Fisheries Division, Ministry of Agriculture

Dr Jane Cohen

- Advisor, Banana Board Research Department

Dr Eric Garraway

- Member, Advisory Board of Natural History Division, Institute of Jamaica
- Member, Butterfly Conservation Board, NEPA.
- Member, Scientific Authority
- Caribbean Representative, Association of Tropical Lepidoptera

Dr Dwight Robinson

- Chair, Technical Committee, National Pink Mealybug Task Force, Ministry of Agriculture

- Chair, Technical Advisory Committee, Biological Control of Coffee Berry Borer, Caribbean Agriculture Research Development Institute.
- Technical Advisor, Efficacy of Biorationals against Coffee Berry Borer, Coffee Industry Board, Jamaica

Dr Ralph Robinson

- Member, Board of Directors, Jamaica Agricultural Development Foundation.

Dr Dunbar Steele

- Chairman, Academic Committee, The Caribbean Maritime Institute
- Member, Board of Directors, Caribbean Maritime Institute

Dr Kisan Vaidya

- Member, Gene Bank Committee, Jamaica

Dr Peter Vogel

- Member of Board, Scientific Authority
- Chairman, Jamaican Iguana Research and Conservation Group
- Member, Alien Invasive Species Working Group
- Member, IUCN West Indian Iguana Specialist Group
- Member, Executive Committee BirdLife Jamaica
- Member, NRCA Game Bird Committee
- Member, Scientific Advisory Committee, Blue and John Crow Mountains National Park

Dr Dale Webber

- Member, Editorial Board of the Jamaica Institute of Environmental Professionals National Scientific Conference on the Environment
- President, Mona Preparatory School Parent Teachers Association

- Member, Editorial Board of the Jamaican Journal of Science and Technology
- Chairman, CL Environmental Company Limited
- The University of the West Indies Representative on Ministry of Education and Culture Overseas Examination Board
- Member, Operations Sub-Committee, Overseas Examination Board
- Member, Science and Technology Advisory Committee of the National Commission for UNESCO

Dr Mona Webber

- Advisor, Institute for Excellence in Environmental Education
- Member, Steering Committee, Sea Turtle recovery Network, Hope Zoo
- Associate, Harbor Branch Oceanographic Institute

CATEGORIES OF STUDENTS

Undergraduate

A breakdown of Bachelor of Science degrees:

First Class Honours	2
Upper Second Class Honours	17
Lower Second Class Honours	14
Pass	2

Performance in courses:

Course Code & Name		No. Reg	No. Sit	No. Pass	% Pass
BB10A	Cells, Biomolecules and Genetics	231	229	179	77
BB10B	Introductory Microbiology	236	231	198	84
BL05A	Preliminary Biology I	153	148	122	80
BL05B	Preliminary Biology II	135	133	94	70
BL10L	Animal Diversity	122	120	107	88
BL10M	Plant Diversity	136	134	130	96
BL20M	Mycology	11	11	10	91

BL20N	Ecology	61	61	60	98
BL20J	General and Molecular Genetics	44	43	43	98
BL20K	Population Genetics & Evolution	63	62	62	98
BL20L	Diving Technology for Aquatic Scientists	5	5	5	100
BL31A	Coastal Management	21	21	21	100
BL31E	Biological Oceanography	23	23	23	100
BL31F	Marine Benthic Communities	22	22	22	100
BL33D	Freshwater Ecology	25	25	23	92
BL38A	Virology	15	15	14	93
BL39A	Statistics for Biologists				
BL39C	Research Project	6	4	4	67
BL39D	Caribbean Biodiversity	22	22	20	91
BL39E	Conservation Biology	16	15	14	88
BT21A	Biology of Lower Plant Groups	13	13	11	85
BT21B	Seed Plants	44	44	40	91
BT22A	Plant Physiology	28	28	28	100
BT31A	Phycology	9	9	9	100
BT31C	Biology of Coastal Plant Communities	14	13	11	79
BT33A	Ecology, Agroforestry and Sustainable Development	13	13	11	85
BT34A	Principles of Plant Breeding	9	9	9	100
BT37Q	Plant Health				
BT38B	Plant Biotechnology	9	9	9	100
Z20C	Functional Organization of Animals	62	62	58	94
Z30A	Sensory and Neuromuscular Physiology	20	20	20	100
Z30B	Metabolic Physiology	14	14	14	100
Z30G	General Parasitology	20	19	14	70
30M	Immunology	27	26	24	89
Z31C	Fish Biology	12	12	12	100
Z31F	Fisheries & Aquaculture Technology	9	9	9	100
Z32C	Insect Biology & Systematics	8	7	7	88
Z32G	Pest Management	12	12	12	100

Prizes Awarded

The following students were formally recognised for quality academic performance:

Preliminary Biology	Rosanna Maria Chen
Introductory Biology	Anika Djenba Mitchell Marc Errol Phillpotts
Level II Zoology	Shaun Marie Wilson
Lloyd B. Coke Prize (Plant Physiology)	Shaun Marie Wilson
The Vincent Hugh Wilson McKie Prize in Zoology	Tamika Patrice Valentine

Graduate student registration:

MPhil program	38 full time; 25 part time
PhD program	7 full time; 4 part time

Award of Higher Degrees

MPhil Botany

Shakira Azan	Supervised Dr Dale Webber
Josette LaHee	Supervised by Dr Eric Hyslop and Dr Dale Webber
Lois Morgan	Supervised by Dr Jane Cohen

MPhil Zoology

Kimberly John	Supervised by Dr Eric Hyslop and Dr Dale Webber
Andrea Fender	Supervised by Dr Eric Hyslop
Alison Watson	Supervised by Dr Eric Garraway

Cesna McCain	Supervised by Dr Mona Webber
Leo Douglas	Supervised by Dr Peter Vogel
Delano Lewis	Supervised by Dr Peter Vogel
Sharon McDonald	Supervised by Prof. Ajai Mansingh
Keisha Singh	Supervised by Dr Ralph Robinson

DISTINGUISHED VISITORS

Prof. J. Wilkens, University of Calgary, Canada

Dr Coastas Zachariades, Agricultural Research Council of South Africa

Ms Lorraine Strathie, Agricultural Research Council of South Africa

Ms Alana den Breeyen, Agricultural Research Council of South Africa

Mr. Stuart Reeves, Principal, Jamaica College

Mr. Radley Reid, Headmaster, Champion College

Dr Fred Hanley, Jamaica Broilers Group

Mr Carlos Browne, Ministry of Education Programme Monitoring & Evaluation

Dr Joe Lindsay, Chairman, Jamaica Organic Agriculture Movement

Mr Leo Wilson, Ridge to Reef Programme

Mr Sataya N. Nadan, Secretary General, International Seabed Authority

Ms Tracy Commock, Institute of Jamaica

Dr. David Smith, United Nations Development Programme.

Ms Chanda Bennett, Columbia University, New York

Dr Scott Michael, Tulane University, New Orleans, USA

Mr Dino Ferri, Audubon Zoo, Nashville, USA

Mr Dale McGinnity, Nashville Zoo, Nashville, USA

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Professor Mervyn Curtis, BSc *Leics*, PhD *Nott*
– Head of Department

WORK OF THE DEPARTMENT

During the year Dr Nickolai Dokuchaev, Mr Horace Jones and Professor Han Reichgelt left the Department. Mr Samuel McDaniel went to the United States of America to carry out a PhD in Biostatistics. Ms Patryce Allen and Mr Timothy Stitt joined the Computer Science section.

Sadly in January 2003 **Professor John Lodenquai** died. Shortly after John's death **Professor Mervyn Curtis** took up the headship.

During the year a new **BSc in Computer Science** programme was presented and accepted for implementation. This new programme will seek accreditation from the British Computer Society to give international status to our degree

Professor Geoffrey Grimmett, Head of the Department of Pure Mathematics and Statistics at the University of Cambridge in the UK came to carry out a review of the Mathematics section and produced a report which is currently being implemented.

STUDENT MATTERS

The Department had an enrolment of 1655 undergraduates in mathematics and 1297 undergraduates in Computer Science. There were 15 MPhil/PhD students within the Computer Science section and 2 MPhil/PhD students within the Mathematics Section.

RESEARCH IN PROGRESS

Dr D Coore

- Amorphous Computing: simulation techniques, parallel language design and algorithm design and implementation.
- Cardiac surgeon trainer.

Prof. M Curtis

- A cricket batting analysis/training system.
- A physiological monitoring system for cricketers.
- Visualisation through obscuration noise using the n-tuple technique.
- A virtual cricket ground: a mixed reality environment.
- A virtual Jamaica
- Face recognition using Fractals

Dr R McEachin

- Problems related to Schur multiplication

Dr E Mugisa

- Re-usable software

PAPERS PRESENTED

Dr D Coore

- (with Michael Craven, Somara Newman, Maurice Fletcher, Brian Silvera, Neil Forbes, Paul Ramphal), “Cardiac training simulator using pump with electronic pressure sensor to trigger ventricular fibrillation”, IEEE SouthEastCon, April 2003
- (with Dean Holness, Richard Lawson, Howard Nation), “Design and Implementation of A Simulator for An Amorphous Computing Environment”, SouthEastCon, April 2003

Prof K M Curtis

- (with Neil G), “A Hybrid Fractal/DCT Image Compression Method”, IEEE 14th International Conference on Digital Signal Processing, July 2002.

- (with J.D. Burniston), “A Hybrid Neural Network/Rule-Based Architecture for Analogue Function Approximation”, IEEE SouthEastCon, April 2003
- (with M.G. Kelly, and M.P. Craven), “Fuzzy Recognition of Cricket Batting Strokes Based on Sequences of Body and Bat Postures”, IEEE SouthEastCon, April 2003

Dr K. Mugisa

- “A Reuse Triplet View of UML”, IEEE SouthEastCon, April 2003

Dr A Rodkina

- (with O'Neil L). Almost Surely Bondedness of Solution to Modified Stochastic Approximation Procedure. Sixth Conference of a Faculty of Pure and Applied Science. UWL. Mona, March 18-20, 2003. P.31.
- (with Nosov V). On Stability of Stochastic Delay Cubic Equations. Fourth International Conference on Dynamic Systems and Applications, May 21-24, 2003, Morehouse College, Atlanta, USA. pp. 27-28.
- On Stability of Stochastic Non-Autonomous Nonlinear Systems with Delay}. The International Conference on Differential Equations “Equadiff 2003”. Hasselt, Belgium, August 22-26, 2003.

PUBLICATIONS

Prof K M Curtis

- * (with Kelly M, and Craven M P), “Fuzzy Sets and Cricket Batting”, Recent Advances in Simulation, Computational Methods and Soft Computing, Electrical and Computer Engineering Series, Edited by N E Mastorakis, WSEAS Press, ISBN 9608052505, 2002, pp 203-207.

Dr A Rodkina

- * (with Nosov V). On Stability of Discrete Kiefer-Wolfowitz procedures. Functional Differential Equations. Vol. 9, No 3-4, 2002, pp. 577-593.

- * On Stabilization of Hybrid Stochastic Equations. Dynamics of Continuous, Discrete and Impulsive Systems. Series A: Mathematical Analysis. Watam Press. Vol. 10, No 1-3. 2003. pp. 117-126.
- * On Stability of Stochastic Nonlinear Systems. In the book of Abstracts of The International Conference “Kolmogorov and Contemporary Mathematics”. Moscow, Russia, June 16-22, 2003. pp. 534-544.
- * On Asymptotic Normality of Generalized Discrete Robbins-Monro Approximation Procedures. Proceedings of The International Conference “Modern Problems of Functional Analysis and Differential Equations”. Voronezh, Russia, June 30-July 4, 2003, pp. 26-44.

Mr T Stitt

- * (with Scott MP, Scott NS and Burke PG), “On the single differential cross section for electron impact ionization of atomic hydrogen near threshold.”, J.Phys.B:At.Mol.Opt.Phys. 35 L323-L329 (2002) ISSN 0953-4075
- * (with Bartschat K, Scott MP, Burke PG, Scott NS, Grum-Grzhimailo AM, Riordan S, Ver Steeg V and Strakhova T I), “Convergence of the energy-differential ionization cross sections obtained from a T-matrix approach with R-matrix wavefunctions.”, Phys. Rev. A65, 062715-1:6 (2002) ISSN 1094-1622
- * (with Scott N Stan, Scott M Penny and Burke Phil G), “2-D R-matrix propagation: a large scale electron scattering simulation dominated by the multiplication of dynamically changing matrices”, High Performance Computing for Computational Science:VECPAR 2002, JMLM Palma et al (Eds), Lecture Notes in Computer Science 2565, p354-367 (2003) ISSN 0302-9743 ISBN 3-540-00852-7
- * (with Scott NS, Scott MP and Burke PG), “2-D R-matrix propagation: a large scale electron scattering simulation dominated by the multiplication of dynamically changing matrices”, VECPAR 2002 5th International Meeting on High Performance Computing for Computational Science, Conference Proceedings Vol III, p617-630, Portugal, (2002)

- * (with Scott M P, Scott NS and Burke P G), “Electron impact ionization using an R-matrix approach”, Proceedings of the International symposium on (e,2e), Double Photoionization and Related Topics and the XI International Symposium on Polarization and Correlation in Electronic and Atomic Collisions, Rolla, Missouri (July 2001), AIP Conference Proceedings 604, Correlations, polarization, and Ionization in Atomic Systems, Eds D H Madison and M Schultz, 604 (2002) 82-89 (ISSN 0-7354-0048-2)
- * (with Atkinson M, “Restricted permutations and the wreath product” Discrete Math. 259 (2002), 19-36.
- * (with E. J. Kontoghiorghe) Handbook of Parallel Computing and Statistics.
- * Statistics: Textbooks and Monograph Series, December 2002. Marcel Dekker, Inc.

Dr WB Zhang

- * “A Central Limit Theorem of the Distinct Degrees of Prime Factors in Additive Arithmetic Semigroups”, Number Theory for the Millennium, Proceedings of the Millennium Conference on Number Theory, M A Bennett et al Eds, Vol III, A K Peters, 2002, 437-450.
- * “Probabilistic Number Theory on Additive Arithmetic Semigroups”, III, Ramanujan Journal, 6, 2002, 387-428.
- * “Mean-value Theorems for Multiplicative Functions on Additive Arithmetic Semigroups via Halasz's Method”, Monatsh, Math, DOI, 10.1007, 2002, 1-35.

DEPARTMENT OF PHYSICS

Donald Walwyn, BSc, PhD *UWI* – Head of Department

WORK OF THE DEPARTMENT

Teaching

The re-organised curriculum for the undergraduate programme was fully implemented, with the teaching of the full complement of level 3 four-credit courses. The additional flexibility – arising from the change from 8 to 4-credit courses resulted in increased overall enrolment in the Department's advanced level courses.

The general pass rate for the undergraduate courses was satisfactory. The student assessment was good or satisfactory for all but one course.

The death of **Professor John Lodenquai** resulted in significant dislocation in the Department's teaching programme in the second semester. A second semester level 3 course, which is a compulsory component of the General Physics Major, had to be cancelled. A special waiver was obtained from the Board for Undergraduate Studies to substitute any non-compulsory level 3 Physics or Electronics course in its place for affected students.

Research

The Department's research activities continued to be led by the work of the Climate Modeling Group. The Group continued projects involving (i) The Threat of Dengue Fever - Assessment of Impacts and Adaptation to Climate Change in the Caribbean, (ii) Diagnostics and Prediction of Climate Variability and Human Health Impacts in the Tropical Americas, (iii) Developing the Caribbean El Nino News Network - CENNN and (iv) The structure and properties of synoptic systems that affect the Caribbean.

Research directed at developing solutions for GPS tracking, based on features of the GSM cellular network, operating in Jamaica, became more focused – concentrating on innovative approaches to error correction. The GPS Group won award for “Best Technological Display” at IRAE Exposition and Conference, NCU, Mandeville, April 2003 and the Group participated in the Exposition at the IEEE Conference, Ocho Rios, April 2003.

RESEARCH IN PROGRESS

Dr. A Amarakoon and Mr. V. Douse

- Investigation of skid resistant aggregates occurring in Jamaica.

Dr. A. Amarakoon and Miss J. Minott

- Work is continuing on Enso effects on sugar cane yields in Jamaica
- Digital maps have been produced to give wind speed and power capabilities for the island. The work is being expanded to give greater detail.

Prof. A. Chen and Mr. T. Hall

- The investigation of the downscaling of northern Caribbean seasonal rainfall.

Prof. A. Chen, Dr. S. Rawlins, Miss C Rhoden and Miss R Stennett

- Climate and Epidemiology data are being studied to detect linkage between climate and dengue fever.

Prof. A. Chen and Ms. T. Stephenson

- The IAI project on Analyzing and Understanding Climate Variability in the Caribbean Islands

Dr. L. Myers and Miss D. Field

- Investigating the suitability of available photovoltaic technology to the Jamaican environment.

Dr. L. Ngalamou and Mr. L. Buchanan

- The development of software tools for the design of Programmable Logic Controllers

Dr. L. Ngalamou and Mr. C. Donaldson

- The design of a Petri Nets-to-Fuzzy Sets conversion for Discrete Event Systems.

Dr. L. Ngalamou and Mr. D. Emanuel

- The analysis and synthesis of VHDL core libraries for a high-speed power line transceiver

Dr. J. Skobla

- Improving the accuracy of the GPS system by using Jamaican map software and experimental data.

Dr. J. Skobla and Mr. A. Young

- Development of GPS micro-tracking System using SMS cellular work was completed. The system is under final field test for use under local conditions.

Dr. J. Skobla, Messrs L. Clarke, C. Scarlett and R. Turner

- Cellular based error correction system

Dr. M. Taylor

- The inter-annual variability of Caribbean climate is being investigated with an emphasis on determining the primary forcing factors which drive/cause change

Dr. D. Walwyn, Miss Y. Barrett and Miss K Munroe

- Investigating the application of orthogonal frequency division multiplexing (OFDM) to broadband wireless access problems in the Jamaican environment.

Dr. D. Walwyn and Mr. M. Ebanks

- The propagation of microwave transmissions inside buildings

PAPERS PRESENTED

- **Christopher Donaldson, Lucien Ngalamou, Leary Myers,** “Combining Petri nets and Fuzzy Sets for Discrete-Event Controllers Design”, IEEE Southeast conference, April 2003, Ocho Rios Jamaica

- **Leotis Buchanan, Lucien Ngalamou, Leary Myers**, “Constraint Based Ladder Diagram Editor”, IEEE Southeast conference, April 2003, Ocho Rios Jamaica
- **M Ponnambalam**, “Energy from an under-utilized Source”, American Association of Physics Teachers Meeting, Boise, Idaho August 2002.
- **M Ponnambalam**, “Damping effect on the Period of a Pendulum”, Inter-American Conference on Physics Education, Havana, Cuba, July 2003
- **M Ponnambalam**, “Teaching Symmetry's Usefulness in Introductory Physics”, Inter-American Conference on Physics Education, Havana, Cuba, July 2003.
- **M Ponnambalam**, “Physics and the Arts”, Inter-American Conference on Physics Education, Havana, Cuba, July 2003.
- **Tannecia Stephenson, Anthony Chen**, “Climate variability in the Caribbean Islands”, Latin American and Iberian Congress of Meteorology, Havana, Cuba, March 2003
- **Albert Owino, Anthony Chen, Michael Taylor**, “The role of Southwestern Caribbean in the Formation of Tropical Storms in the Caribbean Basin”, Latin American and Iberian Congress of Meteorology, Havana, Cuba, March 2003
- **Anthony Chen**, “Pilot Project for Predicting and Mitigating an Outbreak of Dengue Fever”, 1st Latin American and Caribbean Regional (AIACC) Workshop, San Jose, May 2003.
- **Lawrence Brown, Anthony Chen, Albert Owino**, “Statistical Downscaling”, 1st Latin American and Caribbean Regional (AIACC) Workshop, San Jose, May 2003.
- **Rainaldo F. Crosbourne, Michael A. Taylor, A.M.D. Amarakoon**, “Developing a Caribbean Climate Interactive Database”, 1st Latin American and Caribbean Regional (AIACC) Workshop, San Jose, May 2003.
- **Anthony A. Chen, Michael A. Taylor, Rainaldo F. Crosbourne, Samuel C. Rawlins, Karen Polson, Wilma Bailey, Charmaine Thomas-Heslop**, “Epidemiology Patterns of Dengue in the Caribbean under Climate Change”, 1st Latin American and Caribbean Regional (AIACC) Workshop, San Jose, May 2003

- **Scarlett C., Clarke L., Turner R., and Skobla J.,** “Cellular Based GPS Error Correcting System”, XVII IMECO World Congress, Metrology in 3rd Millenium, Dubrovnik, Croatia, TC1, pp 83-86, June 22-27, 2003.
- **Young A. and Skobla J.,** “The Universal Preprocessing GPS-SMS Communication Unit for the AVL System”, The Sixth Conference Faculty of Pure and Applied Sciences, UWI, Mona, March 18-20, 2003.
- **Scarlett C., Clarke L., Turner R., and Skobla J.,** “GPS Tracking System with Error Correction”, Poster P-60, The Sixth Conference Faculty of Pure and Applied Sciences, UWI, Mona, March 18-20, 2003.
- **McFarlane G. and Skobla J.,** “UWI System Can Improve Safety for the Fishing Industry In Jamaica”, Poster _-1, The Sixth Conference Faculty of Pure and Applied Sciences, UWI, Mona, March 18 - 20, 2003.

PUBLICATIONS

Refereed

- * **Young A. and Skobla J.,** “Preprocessing Communication Unit with Short Message Service Communication Channels for AVL Tracking”, SPIE Proceedings. Location Services and Navigation Technologies, vol. 5084, pp 86-00, 2003.
- * **Young A. and Skobla J.,** “Robust GPS-SMS Communication Channel for the AVL System”, IEEE Proceedings, AEROSPACE, vol. 4, pp. 1957-1966, 2003.
- * “GPS-Based Marine Vessel Tracking Device”, McFarlane G. and Skobla J., IEEE Proceedings, AEROSPACE, vol. 4, pp. 1605-1610, 2003.
- * **Young A. and Skobla J.,** “SMS TCP/IP Interface”, AEROSPACE, vol. 4, pp. 1597-1604, 2003.
- * **A. M. D. Amarakoon A. A. Chen,** “Modelling of Wind Speed and Power across Jamaica”, *Jamaican Journal of Science and Technology* 12 & 13 (2003): 48-64.

- * **Taylor M. A., D. B. Enfield and A. A. Chen**, “The Influence of the tropical Atlantic vs. the tropical Pacific on Caribbean Rainfall”, *Journal of Geophysical Research*, 107(C9) 3127, doi:10.1029/2001JC001097.
- * **Peterson T. C., M. A. Taylor, R. Demeritte, D. L. Duncombe, S. Burton, F. Thompson, A. Porter, M. Mercedes, E. Villegas, R. Memexant Fils, A. Klein Tank, A. Martis, R. Warner, A. Joyette, W. Mills, L. Alexander, B. Gleason**, “Recent Changes in Climate Extremes in the Caribbean Region”, *Journal of Geophysical Research*, 107(D21) 4601, doi:10.1029/2002JD002251. Caribbean Region.

PUBLIC SERVICE

Dr. P. Chin

- Vice-Chairman, Appliance Testing and Labelling Committee, Jamaica Bureau of Standards
- Moderator, Physics CXC
- Member, Physics Panel, CAPE Examinations

Dr. J. McTavish

- External Examiner, Physics, Joint Board for Teacher Education

Dr. L. Myers

- Member, Board of Spectrum Management Authority
- Member, Board of Scientific Research Council

Dr. L. Ngalamou

- Campus Advisor, University College and Apostolic Ministry (UCAM)
- Coordinator, Computer Technology Training Programme, MIAS

Dr. M. Taylor

- Member, Caribbean Climate Forum Steering Committee

Dr. D. Walwyn

- Jamaica's representative, Commonwealth Telecommunication Council

Research Grants

- Grant of Microcontroller Development Systems – (Complete Lab Equipment for a new course – Microcontroller Application) from Atmel Inc. (valued at J\$300,000)
- Grant of Computer hardware and software for GPS project from Ericsson Inc. (valued at J\$500,000)

CATEGORIES OF STUDENTS**Undergraduate:**

Course	No. sat exam	No. passed	Pass %
P04A Preliminary Physics A	75	61	81
P04B Preliminary Physics B	79	54	68
P14A Introductory Physics A	107	73	68
P14B Introductory Physics B	102	74	72
P23E Modern Physics 1	18	12	67
P23F Optics & Oscillations	19	16	84
P23H Electricity & Magnetism & Solid State Electronics	16	13	81
P24F Signals and Systems	52	41	79
P24G Electric Circuit Analysis	21	16	76
P24H Communications Systems	43	42	98
P24J Analog Electronics	18	14	78
P24K Digital Electronics	49	36	73
P24L Solid State Electronic Devices	30	25	83
P25F Materials Science 1	13	12	92
P33F Astronomy & Astrophysics	13	11	85
P33G Physics of Climate	19	13	68
P33H Fluid Dynamics and Renewable Energy			
P33J Electromagnetism and Solid State Physics	7	4	57
P34F Digital Signal Processing	31	28	90
P34G EM Transmission and Propagation	15	15	100
P34K Microprocessors	28	25	89
P34H Digital Communications	29	24	83
P34J Microcontroller Applications	17	16	94
P34L Instrumentation	22	20	91
P34P Electronics Project	16	15	94

First Class Degrees with Majors in Electronics and/or Physics were awarded to Mr. Godfrey Bernard, Ms Antoinette Heirs and Ms. Kahena Munroe.

Postgraduate

Three postgraduate students completed their MPhil degrees. They are:

Tanya Innis whose title was Development of Thin Film Electrical Resistance Sensors for Corrosivity Monitoring in Jamaica. Her Supervisor was Dr. Leary Myers.

Ricardo Paharsingh's, thesis was titled Hardware Wavelet Synthesis Cores for Image Data Compression and Decompression. His Supervisor was Dr. Lucien NGalamou.

Jacqueline Spence's thesis was the Effect of Concurrent Sea Surface Temperature Anomalies on Caribbean Rainfall and her Supervisor was Dr. Michael Taylor.

Nineteen (19) students were awarded the degree of MSc in Digital Technology

Prizes Awarded:

The Departmental Prizes for academic performance in Level 2 courses were awarded to Mr. Godfrey Bernard and Ms. Kahena Munroe.

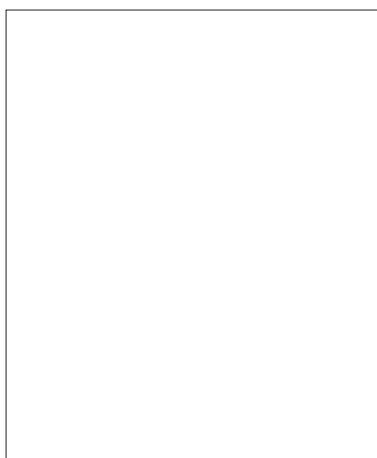
The Departmental Prize for academic performance in Level 1 courses was awarded to Mr. Cecil Reid.

The Francis Bowen Bursary for Physics was awarded to Ms. Antoinette Heirs.

The Michael Tharmanahthan Memorial Bursary was awarded to Ms. Jody-Ann Minott.

**FACULTY OF
SOCIAL SCIENCES
MONA**

Year ending July 31, 2003



**Professor Barrington Chevannes, BA, MA *Boston Coll*, MSc *UWI*,
PhD *Col* – Dean**

DEAN'S OVERVIEW

The Faculty continues to function at a fairly high level of productivity, in the areas of research and publications, professional activity, teaching and public service. In the light of similar assessments for the last two years, the conclusion that we have reached a plateau is fully justified. This progress has to be appreciated against the background of deteriorating standards of refinement especially among the undergraduate section of the academic community, the continued battle for physical space, attenuated though it has been with the coming on stream of the Alistair McIntyre Building, and the pressure for admittance. That we have not yet reached our goal of building a research and graduate driven community of scholars and students requires clear strategies to move us from this plateau to those higher grounds.

Obituary

Towards the end of the year the Faculty lost one of its valuable members through death. Ms Paulette Wilson, a PhD student and an outstanding contributor to the Department of Government's teaching and administrative needs succumbed after a long and stubborn illness. Her collegiality and friendship extended far beyond the Department.

The Department of Sociology, Psychology and Social Work lost one of its graduate students, Mrs Dorothy Findlay-Williamson, through a tragic motor vehicle accident. She was in the midst of her exams.

Academic Staff

Dr Chandi Jayawardena and Dr Michael Haughton, both Senior Lecturers in the Department of Management Studies (DOMS), and Dr Tony Ward, Senior Lecturer and Ms Lisa Norman, Lecturer, both in the Department of Sociology, Psychology and Social Work (DSPsychSW) tendered resignations from the University. Dr Lynn Harrison, who was on an exchange visit to DOMS for two years returned to Canada.

Two faculty members successfully defended their doctoral dissertations and were awarded the Ph.D., Dr Derrick Deslandes and Dr Christopher Tufton, both from DOMS. Joining that Department were Mrs Audrey Welds and Ms Shirley Ann Eaton.

Joining the rank of Professors was Dr Brian Meeks.

We continued to rely heavily on our Associate Lecturers. Without them our programme offerings as well as the numbers we admit would be restricted. **We need as a matter of policy to pay closer attention to their teaching needs and performance in order ensure better quality control.**

Scholarly Activities

	Books	Chaps	Journals	Papers	Conf/Symp	Service
Econ	-	-	9	20	-	18
Gov	-	9	6	21	7	26
Manage	2	6	16	22	3	43
MSB	1	-	4	32	20	64
SALISES	4	3	6	35	-	3
Soc	3	8	8	20	-	20
Total	10	26	51	153	30	183

Though not as high as last year's figure, the number of books, book chapters and refereed articles remains high. It includes neither the twenty more working papers and other non-refereed books and published articles, nor the production of consultant reports and papers requested by multilateral and public sector agencies, nor those articles and books already accepted but not yet published.

Faculty members presented over one hundred and fifty papers at local, regional and other international conferences. This is a record number for any year. The Dean's Office provided assistance for travel of over \$900,000. The evenly spread distribution across Departments, though not within them to the degree we would like, makes it evident that the high output is nevertheless a general feature of the entire faculty. Transforming conference papers to articles in refereed journals remains a challenge.

The research and interests on which this output is based are for the most part personal, but there is evidence of greater collaboration among a few scholars. This trend needs to and can grow. It is clear, for instance,

that the topic of criminal violence has the potential to involve the criminologists, those with an interest in dance hall culture, psychologists, those researching masculinity, scholars interested in governance, those interested in urban renewal, not to mention our economists trying to assess the losses to the private sector created by urban violence, or social workers coping with post violence trauma. A singular project embracing all these interests could make a significantly greater impact than each scholar researching and publishing all by himself or herself. And it has potential to embrace parts of the wider Caribbean.

Two other areas crying out for a similar collaborative approach are the issue of the spread of HIV/AIDS, and the area of tourism.

I propose that the Faculty begins to dialogue on the possibility for collaborative research on these topics, or on any others that we can agree constitute burning issues posed by our societies.

The number of conferences, symposia, fora and seminars organised by the faculty speaks not only to scholarly activism per se but to civic responsibility as well, since many were planned to address issues of public concern, such as the national elections, the invasion of Iraq, the impact of crime and violence, and values and attitudes. The large majority was the initiative of the Mona School of Business in concert with other Departments. In this respect the Research and Policy Group of Alister McIntyre Fellows is largely to be credited with the high level of conferences and symposia put on by the MSB. Of special note were the series on Ethics, which spanned the philosophical, political, public and private sectoral perspectives, and the Synposium on Transforming Values and Attitudes. Through the valuable input of Dr Ben Chavis, a keynote speaker at the latter, dialogue is underway towards a Jamaican version of his highly successful Hip-Hop Social Action Network. If replicated, the Network would embrace DJ artistes, the music industry, business leaders and members of civil society. In this way the policy impact comes not only from the coherent set of ideas emanating from a gathering of stakeholders and experts, but as well and perhaps more compellingly from engaging the sector most influential in the shaping of values and attitudes.

Also of note was the Chancellor's Forum, which was co-ordinated by Professor Gordon Shirley, Director of the Mona School of Business. Social science staff and students had the opportunity to interact with one of the world's leading experts in global governance and negotiations, and to share an informal evening with him. Although we were not embarrassed by the numbers in attendance at the sessions with Sir Shridath, it must be

regretted that more of our Faculty members, and through them our students, were not present to hear him lecture and field questions on “Global Issues and their Impact on the Caribbean.” There is a way in which the familiarity we share with our own people who are of world renown dims their star quality lustre, making them seem ordinary. Whether this was the reason for the less than satisfactory showing, or lack of advertising, it was a pity so many of our students missed this out-of-classroom learning experience from the former Secretary-General of the Commonwealth and candidate for the Secretary General of the United Nations, of whom Nelson Mandela said:

“Some men have become famous because of the service they have given to their countries; others have become well-known because of the manner in which they have taken up issues affecting their regions; and others have become famous because in their fight for human justice they have chosen the entire world as their theatre. Shridath Ramphal is one of those men”.

Public Service

Faculty members are active in over one hundred and eighty organisations and entities in the private and public sectors and civil society as members and leaders. This involvement is on-going, as distinct from ad hoc engagements on request, which if included would push the sum way past the two hundred mark. **I propose that the full extent of this work, which is essentially voluntary, be properly documented, costed and published as a way of evaluating the Faculty’s value-added contribution to the society outside of its teaching and research.**

Graduate Supervision and Teaching

Our graduate enrolment capped the one thousand mark. This number includes 65 MPhil/PhD, 930 Master’s and 37 specially admitted students.

Over the past three years we have graduated only 8 PhDs, half of them from the Department of Government and the rest shared between Sociology and SALISES. This is not a good through-put record. The main problem is, in my view, not lack of supervision. If faculty deserve blame it is perhaps their failure to exert pressure on the students to finish. Rather, I think there is gross underestimation on the part of our students, who are all part-timers, of the amount of concentrated time necessary to write a thesis. It is the rare student who is able to complete a good draft while

holding down a full time job, often at the executive or managerial level, while at the same time carrying out family responsibilities. Since many of our students found very useful an initiative taken two years ago to interview each of them about their plans and the difficulties they were encountering, **I propose the following: (a) that interviews be again scheduled with the Dean, this time to include their main supervisors; (b) that based on these and on consultation with the Departments, recommendations be made to the School of Graduate Studies concerning who should remain in the programmes; and (c) that we set up a “Completion Fund” to provide assistance to those who are at that stage of their writing when an unencumbered three or four months would allow them to complete their first drafts.**

With or without these measures, but especially with them, I believe we can and should look to increasing our cadre of MPhil./PhD candidates. While reflecting a 33% increase over the previous year, sixty-five candidates among a staff of 80 is well below the ratio of 1:1. Indeed, 65 is a small number to be carried by twelve professors in any Faculty of a research-oriented University. And in our Faculty we have twelve professors plus ten senior Lecturers. **I therefore propose further that for the coming academic year we seek to increase substantially our intake**, especially in the Departments of Management Studies (DOMS) and Sociology-Psychology-Social Work. Up until now, DOMS has been our junior department, which in a well-thought out strategy the University has been carefully nurturing by selecting the best of our own students, sending them to the best universities overseas for the highest qualifications and recruiting them as staff members. Notwithstanding some losses, the policy has been bearing fruit for all to see. In 2001-2002 DOMS was responsible for three books, twelve journal articles and one book chapter. In the current year under review it has contributed to the Faculty's output 20% of our books, 25% of our book chapters and 30% of our refereed articles. DOMS has matured; it can no longer claim junior status; it must begin to train PhD students.

As for Sociology, Psychology and Social Work, admittedly the teaching load is the heaviest of all departments, over 36% of the courses run by the Faculty. Moreover, the supervision of graduate research papers places demands on the faculty's time. However, the Department must review its requirements for the M.Sc. research papers, bearing in mind that these are not theses, and review as well the emphasis it places on them. It cannot be that a Department with a fine tradition of training PhD's should relegate itself to training Master's students.

The Master's

Growth in our intake of Master's students was the highest in five years, over 20% over the previous year. The three new programmes introduced in 2001-2002, Clinical Psychology, Governance, and Social Policy, and Demography introduced in 2002-2003, accounted for an increase of 116% from 37 to 80. Programmes showing an increase in enrolment of over 60% were Human Resource Development, and Accounting, while the Executive M.B.A. grew by 50% and Banking and Finance by 24%.

Part-timers outnumbered full-timers two-and-a-half times: 651 compared to 263. These latter were fairly evenly spread throughout all the six Departments. Should this number of full time students continue, the Faculty will have a good core with which to cultivate a spirit of energetic quest for knowledge, especially with the coming on stream of a larger computer laboratory and a lounge facility.

Attending and presenting at academic conferences has now become a feature of our graduate programme. In the year under review, due to a tightening of our expenditure the Dean's Office was able to assist only five at a cost of \$170,000, compared to 12 students at a cost of \$430,000 the previous year. Among those assisted was Denvil Duncan, who after presenting at the Southwestern Social Sciences Association Meeting in Texas in April was invited to submit his paper, "Testing for Competition in the Jamaican Banking Sector: Evidence from Bank Level Data", for publication in the Southwestern Journal of Economics. Both Denvil and the Department of Economics deserve our congratulations.

Department	Number of Students	J\$m
Economics	19	2.70
Government	6	0.72
Management	2	0.30
Sociol/Psych/SW	22	3.30
Total	49	7.02

Forty-nine students received assistance from the Departmental awards and fellowships to the tune of over \$7m. This sum does not include \$0.5 in scholarships in the Department of Economics, and US\$7,750 in SALISES. Adding these sums together, plus the over \$443,000 in tuition assistance provided by the Dean's Office, the Faculty spent an estimated \$8.19m on our graduate students. This is a sizeable amount.

Undergraduate Teaching

The pressure for admission into the Faculty continued. Despite our efforts at containment we were forced to admit one hundred more than in the previous year.

Faculty	Students Selected 2001-2002	Students Selected 2002-2003
Humanities	1847	1999
Education	936	968
Law	26	44
Medical Sciences	783	868
Pure & Applied Sciences	1380	1438
Social Sciences	5111	5432

These numbers reflect all registration. Of the 5432 registered last year 1813 were new students, including 432 in the franchised, 92 in the distance and 75 in the joint degree programmes.

The following Table gives a brief overview of the number of courses by size and Department. The largest number of courses, 80 in all, was taught in the Department of Sociology, Psychology and Social Work, the smallest number, 40, in the Department of Government. Management Studies was in-between with 57.

Depts	Under 25	25-49	50-99	100-149	150-199	200-299	300 & over	Total
Econ	8	14	5	7	1	2	6	43
Gov	2	6	13	7	9	1	2	40
Mgmt	8	6	13	5	11	9	5	57
SocPsy SocWk	9	22	16	14	6	8	5	80
Total	27	48	47	33	27	20	18	220

The overwhelming majority of our undergraduate courses were very large, some of them so large that they had to be divided into streams, in effect making them additional courses. This posed serious challenges in classroom allocation, quality control and mentoring. The number of students we taught in both semesters was 30,773.

Dean's Breakfast Club

In this regard the Dean's Breakfast Club continued in its development as an important innovation, which sought to ensure the kind

of mentoring we would be only too glad to give to everyone but can give only to a select group.

A programme of activities was introduced, transforming the Dean's Breakfast itself from an annual ceremonial recognition of the Faculty's top forty students into a co-curricular society which engages these top students' abilities, talents and competencies.

Forty Level III students who had been honoured at the Dean's Breakfast in the previous academic year (2001-2002) were the guinea pigs for this programme. Their activities included a Leadership Seminar conducted by Vice Chancellor Professor Rex Nettleford; a Public Speaking Workshop led by veteran broadcaster Alma Mock-Yen; and a Field Trip to the National Gallery. The students also received book grants of four thousand dollars each. The programme culminated with a Research Colloquium, where the students assembled into four groups representing the Faculty's teaching departments and each group presented a research and discussion paper on a topic of national and/or regional significance.

In keeping with the Faculty's mission to develop graduates who are well-rounded, a component for community involvement was also included in the programme of activities. This component involved the Level II students honoured in the course of the academic year. They were assigned to Sophie's Place, the shelter for abandoned children in Gordon Town which was established by the Mustard Seeds Communities. The students volunteered at the shelter weekly for a month and were asked to identify a need at the shelter that their collective efforts could help to alleviate or address. The presentation of their solution will be made in the first semester of this current academic year, 2003-2004.

The Dean's Breakfast Club will therefore become a two year programme of activities. In the first year, the forty Level II students inducted into the Club will be engaged in a community outreach project. In their second year, these students will access educational grants, be exposed to various workshops and participate in the Research Colloquium.

Centre for Hotel and Tourism Management (CHTM)

The CHTM continued to labour under difficult circumstances, the staff of five delivering full programmes in hospitality and in tourism, assisted by associate lecturers, and a diploma by distance. Despite important improvements, students' complaints again focused on the

perennial problems of housing and security, as a result of which the decision was taken to employ a Student Services Manager to oversee the general welfare of the students. For this the Centre has had the full support of the Bahamian Government.

Distance

The Distance programme continues to be an active mode in the thrust of the University to make tertiary education accessible to all. We accepted 92 persons into the programme last year, compared to 154 in the 2001-2002 academic year, a reduction that is probably due to a number of factors: (a) competition from other local and overseas institutions; (b) stricter enforcing of the stipulation that persons entering must have CXC Mathematics; (c) the limited option available via this mode; (d) the unattractive length of time to complete (5-6 years); and (e) the seemingly poorer quality of the applicants for that particular year, the minimum requirements being five CXC/GCE O'Level subjects inclusive of English and Mathematics.

Last academic year saw a number of new developments, such as the ability to pursue the Bachelor's degree in Management Studies on a full-time basis. Effective September 2003 distance students will be able do a maximum of ten (10) courses for the academic year. We therefore may see an increase as of this year, provided that the matriculating requirements are met.

The academic year 2001/2002 graduated the first batch of students who read for the BSc (Management) entirely by distance. Their performance is set against those who became eligible for graduating in the year under review. The latter have performed better, though far below the level of their respective classes, as the following table reveals.

Classification of Awards

Year	First Class	Upper Second Class	Lower Second Class	Pass	Incomplete	Total
2001/2002	---	1 (3%)	12 (38%)	---	19 (59%)	32
2002/2003	---	6 (15%)	16 (42%)	7 (15%)	9(24%)	38

Class of Degree	1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	26	4%	33	5%	38	4.6%	35	4%	67	8%	45	6%
Upper 2 nd	179	25%	183	25%	232	28%	255	32%	318	39%	282	40%
Lower 2 nd	336	48%	366	50%	391	47%	383	49%	327	40%	299	42%
Pass	165	23%	149	20%	165	20%	116	15%	97	12%	82	12%
Total	706	100%	731	100%	826	100%	789	100%	809	100%	708	100%

The proportion of those receiving first class honours averages between 4% and 6%, with the Year 2001-2002 producing the best of the last five years prior to that, namely 8%.

The Joint UWI-UTech Degree

The year 2002/2003 was a landmark year for the programme as it had its first graduating cohort. Of the eighty-five students who enrolled in Year 4 of the programme, fifty-six were eligible to graduate. The GPA system was used to calculate the award of the degree. As there is a difference in the grading systems between both Universities, the UWI grades were given the same weight as the UTech ones.

According to the results the proportion attaining first class honours was 15%, three times the usual proportion of UWI graduates, while the proportion of those receiving Upper Second class was about the same. This discrepancy may very well speak to difference in the grading systems, a point to be noted for further discussions between the Universities.

Classification of Awards 2002/2003

First Class	Upper second Class	Lower Second Class	Pass	Incomplete	No. of Students
13 (15%)	30 (34%)	14 (16%)	1 (1%)	27 (31%)	86

The courses offered by the UWI continue to be a problem for many of the students. Thrown in with normal level matriculated students, they find many of the Level I courses challenging, especially those in Economics. Consequently their failure rates tend to be higher than their straight UWI peers.

They continue to be regarded by peers and faculty alike as outsiders, rather than as UWI students, especially when they attend classes in their uniforms, a UTech requirement for the hospitality programme. Given the five years of existence of the programme, this is an irritating hang-over. **UWI faculty members needs to make a conscious effort to treat them as the UWI students they indeed are.**

The curriculum restructuring, whereby classes delivered on each campus are concentrated in alternate semesters, has worked well for the programme. This was greatly welcomed by the present students. However, the issue of financial clearance remains a major stumbling block to the students' ability to access the library facilities, board the commuting students' bus and even enter the Mona campus. The issue of Financial Clearance is one of, if not, the most damaging administrative hiccups to the programme.

The programme, which attracted 234 applicants, a considerable drop from the previous high of 348 in 2001-2002, is up for review and a team spearheaded by Mr. Anthony Perry of the UWI Board for Undergraduate Studies and Dr. Nancy George of UTech, along with other representatives from both campuses will begin the process in October, 2003.

Franchised Programmes

The franchised programmes, now in their fifth year, continue to be the main focus of our relationship with the TLIs. At the end of the academic year there were five (5) institutions delivering three programmes: the Certificate in Management Studies (CMS), Certificate in Public Administration (CPA) and the Certificate in Social Services (CSS), encompassing some twenty five (25) courses. This is a significant reduction in the number of sites as in 1998 the franchise agreement began with thirteen institutions.

The CPA (Special) began at the Jamaica Constabulary Staff College (JCSC) with 32 participants. It was a landmark achievement for the institution and was met with much enthusiasm by rank and file members of the Jamaica Constabulary Force. The signing of the Memorandum Of Understanding took place at a formal ceremony held on May 15th, and was attended by the Vice Chancellor and the Commissioner of Police.

As the following Table shows, there has been a dramatic fall off in applicants to the programmes. It could be that people are opting for other forms of higher qualifications, such as the Associate Degree, which

provides not only access to Bachelor's degree programmes but advanced standing at other, mainly offshore, colleges and Universities.

Number of Applicants as at 2000/2001 to the Certificate programmes

Year	CMS			CPA			CSS		
	Applied	Offered	Regd.	Applied	Offered	Regd.	Applied	Offered	Regd.
2000/2001	377	346	214	198	173	145	68	59	50
2001/2002	271	258	196	176	173	139	73	63	49
2002/2003	221	215	144	152	147	117	36	23	18
2003/2004 (as at 24/9/03)	209	181	109	107	95	64	73	70	50
Total	1,078	1,000	663	633	588	465	250	215	167

These franchise arrangements, also, are up for review and this process should start anytime soon with collaboration between the Departments and the Tertiary Level Institutions (TLIU).

The MIND Level I Franchise

The franchise arrangement between the Management Institute for National Development (MIND) completed its third year. For the academic year 2002/2003 forty (40) persons were transferred to the campus for Level II. The programme continues to attract a large number of applicants from the Public Sector and the Faculty is keen to facilitate entry provided the minimum requirements are met. So far, 456 students have applied to the programme. Of this number 314 or 69% were given offers, which 247 accepted. Lack of Mathematics remains the main block to the rest being offered places.

Number of applicants that have applied for the last four years.

	2000/2001	2001/2002	2002/2003	2003/2004	Total
Applied	91	128	111	126	456
Offered	66	115	59	74	314
Accepted	57	97	47	46	247

Franchise arrangements of our degrees need to be seen as medium term strategic measures to meet the mushrooming demand for higher education qualifications, as well as enable the Faculty to achieve its goal. Once again it needs to be stated clearly that to Franchise Level I and not subsequent Levels is to postpone the crush of numbers when the students in the Franchised programmes are required to access the rest of the

programme on campus. We simply do not have the manpower nor material resources to accommodate such a growth.

And yet, the Faculty cannot remain indifferent, not least because we seem to be for most of the eligible cohorts of qualified students, and for many reasons, the preferred University.

The only answer, therefore, out of this dilemma is to help those Tertiary Institutions that show promise to deliver their own degree programmes. The gradual franchising of our degrees is aimed at making this a reality, and because we would be certifying the quality through our deliberate relationship, we could in fact raise the threshold of our selection criteria and hold our numbers down.

A special unit would need to be set up within the Faculty, whose task would be quality control.

Cultural Programme

The Faculty's cultural programme last academic year was particularly rich, with such offerings as a martial arts demonstration; a weekly dance by the UWI Dance Society for Black History Month; film offerings; and weekly informal discussion sessions by the Faculty's current Folk Philosophy Fellow, Mutabaruka, who took up his fellowship in the second semester.

An exhibition of paintings by Owen Beckford was well received by students and faculty alike, with three pieces acquired by the Faculty.

At Play – the annual staff and student talent exposition and art exhibition – enjoyed even more participation last year.

The Battle for Space

The coming on stream of Phase 2 of the Alister McIntyre Building, for which the Principal deserves our thanks, has eased our pressure for space. Unfortunately the allocation has gone mainly to office accommodation, and minimally to classrooms, with one large computer laboratory to which the Population Lab has been transferred. The policy of centralising classroom space on the campus will have to continue, as neither now nor in the foreseeable future will the Faculty be able to fulfill its needs in this area.

Summary and Conclusion

The Faculty has had another good year, despite losses in our staff, an increasingly more difficult and larger undergraduate body, and heavy teaching loads. Productivity continued at the high level it had reached two years ago.

Following are the recommendations for enhancing our work.

1. We need as a matter of policy to pay closer attention to the teaching needs and performance of our Associate Lecturers, in order ensure better quality control.
2. The Faculty needs to begin to dialogue on the possibility for collaborative research on critical topics like HIV/AIDS, and Violence, or on any others that we can agree constitute burning issues posed by our societies.
3. The full extent of our outreach work, which is essentially voluntary, should be properly documented, costed and published as a way of evaluating the Faculty's value-added contribution to the society apart from its teaching and research.
4. With respect to our PhD graduate training, the following steps should be taken: (a) interviews should be again scheduled with the Dean, this time to include their main supervisors; (b) based on these and on consultation with the Departments, recommendations should be made to the School of Graduate Studies concerning who should remain in the programmes; and (c) a "Completion Fund" should be set up to provide assistance to those who are at that stage of their writing when an unencumbered three or four months would allow them to complete their first drafts.
5. For the coming academic year we should seek to increase substantially our intake of PhD students.
6. UWI faculty members needs to make a conscious effort to treat our students in the Joint degree programme with the University of Technology as the UWI students they indeed are.

DEPARTMENT OF ECONOMICS

Michael Witter, BSc *Ill*, MSc, PhD *Wisc* – Head of Department

WORK OF THE DEPARTMENT

The Department of Economics continued its efforts to:

- recruit new and young academic staff
- streamline the curricula and the administrative processes
- maximize the use of available IT resources in enhancing the efficiency of the administrative processes and the effectiveness of the instructional processes, and
- facilitate the professional development of the existing staff.

One new academic, **Dr. Abdullahi Abdulkadri**, took up his post at the beginning of the academic year, 2002-3, and performed with distinction. Another, Dr. Zagros Madjd-Sadjadi, took up his post in 2003-4. Several young MSc graduates were appointed as temporary assistant lecturers, and they too performed well. The recruitment of academic staff will continue in 2003-4.

Streamlining of the Statistics, Mathematics, and economic theory courses has produced a tighter curriculum to ensure appropriate academic standards.

Significant achievements were made in improving the efficiency of the administrative systems with the implementation of a modern paper and electronic filing systems, the automation of many processes, and in establishing and maintaining high standards of customer service.

The use of IT-based instructional techniques and information provision to students and the wider community also increased

significantly. Preliminary assessments are that students appreciate the efforts made to make lectures more effective.

Research output has been increasing as academic staff have been benefiting from the assistance of graduate students in their research projects, some research funding, improved programming of their time for research and teaching activities, and more concerted efforts to meet the requirements of editors and publishers. The Department is particularly proud of one of its graduate students, **Mr. Denvil Duncan**, who published a paper in a major USA journal. He is currently appointed as an assistant lecturer for the academic year 2003-4.

The Department also hosted visits by two professors from the University of Brasilia, and a distinguished lecture by **Professor Compton Bourne**.

Members of the Department continue the tradition of strong public service and service to the wider University of the West Indies community.

RESEARCH IN PROGRESS

Abdulkadri, Abdullahi Dr

- Economic Analysis of the Impact of Deregulation in the Telecommunication Industry.
- Determinants of Price Spread in Food Crop Markets.

Alleyne Dillon Dr

- (With Nikolaos Karagiannis), “The Demand for Imports in Jamaica” in (eds) N. Karagiannis and M. Witter, *The Caribbean in an Era of Free Trade*, Ashgate Publishers.
- (With Nikolaos Karagiannis), *A New Economic Strategy for Jamaica: with special Consideration of International Competition and the FTAA*. Arawak Publications, Kingston Jamaica. 2003.
- The Impact of Crime on Tourist Arrivals in Jamaica. *International Journal of Tourism Research*, 2003.
- (With Alfred Francis Prof). “Balance of Payments Constrained growth in the Caribbean. An extension of Thirlwall’s Law”.

- (With C.Kirton, Mark Figueroa and Georgia McLeod), “Determinants of Remittance Flows in the Caribbean: A Dynamic Panel data approach.
- (With C. Kirton, Mark Figueroa and Georgia McLeod). “Macro-economic determinants of Remittances: The case of Jamaica
- (With C.Kirton), “The Determinants of the Currency /Demand Deposits Ratios in Jamaica, Barbados and Trinidad and Tobago”.

Figueroa Mark Mr

- Economic Thought in the English-speaking Caribbean Academic and Pre-Academic
- Voter Turnout in Jamaican Elections: The Bogus Factor
- (With Dillon Alleyne and Claremont Kirton), Defining and Measuring Remittance Flows to Caribbean Countries: The Case of Jamaica,

Francis Alfred Professor

- (With Dillon Alleyne) “Balance of Payments Constrained Growth in the Caribbean-An Adaptation of Thirlwall’s Law.”
- “Pricing and Taxation of Alumina in a Multi-Market Framework with Vertical Integration.”

Freckleton Marie Dr

- Potential costs and benefits of CARICOM – EU Free Trade

Ghartey Edward Dr

- Applied Multi-country Research on Monetary Union for CSME and Savings/Economic Growth Nexus in the Caribbean using Panel Data.
- Monetary Studies, Exchange Rate Regimes and the Informal Market

Henry Wayne Dr

- “Financing Agriculture in Jamaica: An Assessment”. Funded under the Mona Research Fellowship Programme of the University of the West Indies.
- “Effects of Capital structure and Business Risk on Agribusiness Returns”

King Damien Dr

- “The Distributional Effects of Export-Led Development in Jamaica.”

Kirton, Claremont Mr

- (With Michael Witter), Informal Economic Activities in Jamaica.
- (With Dillon Alleyne, Mark Figueroa and Georgia McLeod), Determinants of Remittance flows in the Caribbean: A dynamic panel data approach.
- (With Dillon Alleyne), The determinants of Currency/Demand Deposit ratios in Jamaica, Barbados and Trinidad/Tobago.
- (With Renee Marsh and Elaine Gregory), Experiences of Jamaican Firms with Economic Crimes: Fraud, Forgery and Embezzlement.

Tennant David Mr

- The relationship between financial sector intermediation and economic growth; (PhD research)
- The causes of financial sector fragility.

Murthy Nittala Dr

- Study of disabled population in Jamaica: A comparison of the information in periodic population census and in regular sample surveys.
- Revision of the paper on the concept of disabled in Caribbean census and sample surveys.

PAPERS PRESENTED

Abdulkadri, Abdullahi Dr

- “To Fight or Not to Fight the Entrant: A Game Theoretic Analysis of the Impact of Deregulation of the Jamaican Mobile Phone Market on Calling Rates.” 83rd Annual Meeting of the Southwestern Economics Association, San Antonio, Texas, April 16-19, 2003.
- “Adopting Appropriate Technology for Sustainable Economic Development.” 16th Annual National Conference on Science and Technology, Scientific Research Council, Kingston, Jamaica, November 28-30, 2002.

Alleyne Dillon Dr

- “Growth, Productivity and Labour Absorption in Jamaica.1980-2001” 1st Caribbean Labour Policy Conference. UWI, Mona. April 2-5, 2003.

Figueroa Mark Mr

- “Thirty Five Years After Best’s ‘Thought and Freedom’: Looking Forward to Caribbean Development”, Independent Thought and Caribbean Freedom: Testimonial Conference in Honour of Lloyd Best, Sir Arthur Lewis Institute of Social and Economic Studies, UWI, St Augustine, Trinidad and Tobago, September 19-20, 2002 pp. 25.
- “W. Arthur Lewis VS the Lewis Model: Agricultural or Industrial Development?” History of Economics Society Annual Meeting, July 4-7, 2003 Duke University, North Carolina, USA, pp. 35.

Ghartey Edward Dr

- “Efficient Exchange Market and Dollarization – Inflation Targeting Alternative: Evidence from Four Emerging Markets,” Department of Economics, UWI, Mona, Kingston, March 13, 2003.
- “Empirical Analyses of the Financial Experiences of Mexico and Jamaica: Lessons for the Caribbean.” XXXIV Annual Monetary Studies Conference 2002 on “Challenges for Monetary and

Exchange Rate Regimes in the Caribbean,” Tower Hotel, Georgetown, Guyana, November 12-17, 2002

- “Exchange Pressure, Sterilized Intervention and Monetary Policy in Ghana.” The Inauguration of the Bank of Ghana Monetary Policy Committee, La Palm Royal Beach Hotel, Accra, Ghana, September 9-10, 2002
- “Random Walk as a Universal Test of Weak-form Foreign Exchange Market Efficiency: A Note.” The 6th Biennial International Conference on the Global Economy: Financial, Legal and Technological Asymmetries, Loyola University, Chicago, Illinois, August 16-17, 2002.

Henry Wayne Dr

- “Financing Agriculture in Jamaica: An Assessment” The Thirteenth Annual Conference, Jamaican Society for Agricultural Sciences (JSAS) and Jamaica Bureau of Standards, May 2003

King Damien Dr

- “Economic Outlook: An analysis of 2003 Currency Bubble,” PSOJ Annual Economic Seminar, May 2003.

Kirton Claremont Mr

- (with Arlene Bailey), Establishment and Development of a Regional Agricultural Policy Network in the Caribbean, Technical Centre for Agricultural and Rural Co-operation (CTA) Workshop, Paramaribo, Suriname, January, 2003.

Murthy Nittala Dr

- “Disabled Population in Jamaica: An Analysis based on 1991 census at the 16th Annual Meeting of the Society for Disability Studies” University of Illinois, Chicago at Bethesda, USA June 12-15, 2003.

Witter Michael Dr

- “The vulnerability of Caribbean economies”, UNDP workshop, Grenada, 2003
- “Poverty in Jamaica” to a visiting International study team of Theologians, July 2003

- “Renewing Civil Society in Jamaica”, CVSS’ conference, July 2003
- “Report on a Survey of NGOs in Jamaica”, Prepared for CSEDN ET, September 2002
- “Monitoring Socio-Economic Change in the Portland Bight Protected Area (PBPA)”, IDB and Caribbean Coastal Area Management Foundation, September 2002
- “Business Challenges Facing the Jamaican Music Industry”, The Bob Marley Lecture, February 7, 2003, sponsored by the Reggae Studies Unit, UWI, Mona
- “A Rapid Assessment of the Likely Impact of the Imposition of the GCT on the Gaming Industry”, June 2003, Research undertaken on behalf of G-Tech Corporation, LOJ Building, New Kingston, Jamaica

PUBLICATIONS

Refereed

Figueroa Mark Mr

- * “Neoliberalism And Mercantilism: Ironie Parallels?” in *Caribbean Economies and the Global Restructuring*, ed. By Marie-Claude Dorné and Keith Nurse. Ian Randle Publishers, Kingston, 2002 pp 25-44.

Ghartey Edward Dr

- * “Monetary Policy and Deficits Financing in Jamaica,” *Journal of Economic Development*, June, 28, 2003 (1): 81-99.
- * “Exchange Market Efficiency: Perspectives from Jamaica, an Emerging Market.” In *Money and Finance in the Global Economy: Challenges and Opportunities for the 21st Century*, Andreas A. Kintis, Peter E. Koveos, Christos C. Paraskevopoulos, and Nicholas C. Baltas, editors. (Toronto, Canada: APF Press), August 2002: 167-190.

King Damien Dr

- * (with Sudhanshu Handa), “Adjustment with a Human Face: Evidence from Jamaica” *World Development*, Vol. 31, No. 7, July 2003.
- * (with Sudhanshu Handa), “The Welfare Effects of Balance of Payments Reform: A Macro-Micro Simulation of the Cost of Rent-Seeking,” *Journal of Development Studies*, Vol. 39, No. 3, February 2003.

Non-Refereed

Abdulkadri, Abdullahi Dr

- * (With M.R. Langemeier, and A.M. Featherstone, 2003). “Estimating Risk Aversion Coefficients for Dryland Wheat, Irrigated Corn, and Dairy Producers” in *Kansas. Applied Economics*, 35(7): 825-834.

Alleyne Dillon Dr

- * **Dillon Alleyne and Nikolaos Karagiannis**, “A New Economic Strategy for Jamaica: with special Consideration of International Competition and the FTAA”. Arawak Publications, Kingston Jamaica. 2003.
- * Dillon Alleyne, “The Impact of Crime on Tourist Arrivals in Jamaica”, *International Journal of Tourism Research*, 2003.

Figueroa Mark Mr

- * “Thought and Freedom: Thirty Five Years After”, in *Independent Thought and Caribbean Freedom: Essays in Honour of Lloyd Best*. (ed.) by Selwyn Ryan, SALISES, UWI, St Augustine, Trinidad and Tobago, 2003 pp. 35-70.

Freckleton Marie Dr

- * “Agricultural Trade Reform: Policy Implications for CARICOM” *IBEROAMERICANA – Nordic Journal of Latin American and Caribbean Studies* 32 (1) 2002

- * “Development Policy Options for CARICOM in an Era of Free Trade”, (with N. Karagiannis) in *The Caribbean in the Era of Free Trade*, Nikoloas Karagiannis) (ed.) Ashgate Publishers

Francis Alfred Professor

- * “Debt and the Dollar: Re-visiting Omar vs Domar” *The Jamaican Institute of Management, Newsletter* June 2003.
- * (with Claremont Kirton, Godfrey Gibbison, and Anthony Harriott), “Crime and Development: The Jamaican Experience”, Report for the World Bank, January 2003.

Ghartey Edward Dr

- * “Pundits, Weak Jamaican Dollar and Policy,” *Jamaican Observer*, May 23, 2003
- * “Speculators and Sliding Jamaican Dollar,” *Jamaican Observer*, May 20, 2003
- * “US/Iraq a replay of Israel/Palestine,” *Jamaica Observer*, April 5, 2003

Kirton Claremont Mr

- * (with Alfred Francis, Godfrey Gibbison, and Anthony Harriott), “Crime and Development: The Jamaican Experience,” Report prepared for the World Bank, January 2003.

Murthy Nittala Dr

- * (with Godfrey Gibbison) “An Assessment of the Problem of Irregular School Attendance Among Primary School Children in Jamaica” in, *Social and Economic Studies*, Vol. 52; 1 March 2003.

AWARDS

The Best Publication Award in recognition of outstanding Researchers, University of the West Indies, January 31, 2003 was shared between **Mr. Mark Figueroa** and **Dr. Edward Ghartey**

PUBLIC SERVICE

Alleyne Dillon Dr

- Mentor, UWI Mentorship Programme.
- Member, Review Team that reviewed the Department of Economics, UWI, Cave Hill. January 27-30, 2003.
- Member of the Institute of Law and Economics

Figueroa Mark Mr

- Member, Jamaica Environmental Trust

Francis Alfred Professor

- Member, Board St. Aloysius School and St. Joseph's Infant School.
- Member, CAFSA Foundation.

Ghartey Edward Dr

- Advisory Board Member, North American Economics and Finance Association.
- Member, Bye-Laws Reform Committee, International Society for Intercommunication of New Ideas.
- Editorial Board Member, Journal of Undergraduate Studies.
- Constitution and By-Laws Reform Committee Member, African Finance and Economics Association
- Member, Economic Council of Britain in Europe

Henry Wayne Dr

- Member, Board of Directors, Bank of Nova Scotia Jamaica Limited
- Member, Board of Directors, Scotia Jamaica Investment Management Limited
- Member, Technical Review Committee, Agricultural Support Services Project (ASSP)

- Inter-American Development Bank and Government of Jamaica

King Damien Dr

- Member, *Economic Policy Committee* – Private Sector Organization of Jamaica.

Kirton Claremont Mr

- Member, Jamaica Stock Exchange (JSE) Panel of Judges, JSE Broker Analysts' Market Research Competition.

Witter Michael Dr

- Member, Board of Management of St. George's College
- FINSAC representative, Board of Directors of the Dyoll Group of Companies
- Vice-Chancellor's representative, Executive of the Council for Voluntary Social Services
- Chairman, Board of the Rural Agricultural Development Authority (RADA)
- Member, Board of the Agricultural Support Fund, Government of Jamaica

DISTINGUISHED VISITORS

Professor Compton Bourne, President, Caribbean Development Bank

Professor Stephen DeCastro, University of Brasilia, Brazil

Professor Paulo Coutinho, University of Brasilia, Brazil

Professor Ejaz Ahmed, University of Windsor, Ontario, Canada

CATEGORIES OF STUDENTS

Graduating Statistics

	Class of Degree Obtained				
	1 st	Upper 2 nd	Lower 2 nd	Pass	Total
BSc Economics (Special)	—	—	2	—	2
BSc Economics (Major)	5	22	16	11	54
BSc Economics (Minor)	1	10	18	5	34
BSc Business Economics and Social Statistics	—	1	2	—	3
BSc Statistics (Major)	2	5	7	1	15
BSc Statistics (Minor)	2	3	4	1	10
MSc Economics	(three with distinctions)			14	17

Registrations by Programme and Status

	Full time	Part time	Total
BSc Economics (Special)	8	8	16
BSc Economics (Major)	241	99	340
BSc Economics (Minor)	59	31	90
MSc Economics	56	3	59
BSc Business Economics & Social Statistics (Special)	3	6	9
BSc Business Economics & Social Statistic (Major)	11	—	11
BSc Statistics (Major)	46	11	57
BSc Statistics (Minor)	26	8	34

DEPARTMENT OF GOVERNMENT

**Professor Stephen Vasciannie, BSc *UWI*, MA *Oxford*, LLM *Camb*,
DPhil *Oxford* – Acting Head of the Department**

WORK OF THE DEPARTMENT

Throughout the Academic Year 2002 to 2003, members of the Department of Government performed their main duties with commitment and enthusiasm. To start with the obligation that is sometimes taken for granted, academic members generally received high ratings from their students for teaching performance. In research, some members continued major projects and others were able to enjoy the satisfaction of bringing written work into published form. And, with respect to public service, the Department continued its tradition of leadership in the public debate on political developments concerning both the Caribbean and other parts of the world. But though the year may, therefore, be regarded as one of quiet satisfaction (at the very least), it was also a year of great sadness: Paulette Wilson, Assistant Lecturer in Public Administration, succumbed to illness on June 19, 2003. Paulette made an outstanding contribution to the Department of Government in different capacities: although in the midst of completing her PhD, Paulette could always be relied upon for perceptive approaches to teaching and for devoted administrative assistance. Needless to say, too, she was a wonderful friend, who attached great value to academic collegiality. We continue to miss her greatly.

As part of its role in civic engagement, the Department of Government organized no small number of conferences and seminars throughout the last academic year. On February 21, 2003, the Department sponsored a Conference on the “2002 General Election in Jamaica”.

The Conference was prompted in part by the fact that members of the Department are constantly in demand by the media for commentary on electoral and political issues. It may, therefore, be appropriate at this stage to mention that for the 2002 Elections, academic members who were part of media teams for public commentary included Professors Munroe (CVM), Meeks (TVJ), and Vasciannie (Gleaner/Power), and Dr. Clinton Hutton; Professor Edwin Jones, and Mr. Robert Buddan also offered authoritative commentary on different aspects of the Jamaican electoral process.

On April 1 2003, the Department of Government sponsored a Seminar on the American-led military action in Iraq. This Seminar held on the suggestion of the Dean of the Faculty of Social Sciences, Professor Chevannes, sought to explore the different aspects of the intervention and, in particular, whether there were reasonable grounds to justify the intervention.

Later in the year, on July 24 and 25, 2003, the Department co-sponsored a seminar on Public Administration under the heading “Productivity Improvement in the Jamaican Public Sector”. This seminar was organized largely by Dr. Hedy Isaacs, Lecturer in the Department and Dr. George Briggs, Director of the Public Sector Reform Unit, Cabinet Office.

As in previous years, Dr. Hutton was responsible for organizing two of the main conferences sponsored by the Department. The annual Peter Tosh Symposium was held on October 12, 2002, with Dr. Hutton giving the main address and the Fourth Don Drummond Symposium on May 10, 2003. The Keynote speaker for the latter symposium was Professor Maureen Warner-Lewis.

The Department was also associated, through the work of the Centre for Caribbean Thought, with the major conference “The Sovereignty of the Imagination: The Writings and Thoughts of George Lamming” put on at Mona from June 5 to 7, 2003.

On September 3, 2002, the Department co-sponsored the launch of the book of speeches by the Honourable P.J. Patterson, Prime Minister, under the title “A Jamaican Voice in Caribbean and World Politics: Selected Speeches 1992 -- 2000”. It may also be noted that, on September 7, 2002, for the course FD 13A – Law, Governance, Economy and Society, offered through the Faculty of Social Sciences, the Honourable Edward Seaga, the Leader of the Opposition, presented a guest lecture on

“Proposals for the Reform of Education in Jamaica”. The launch of the Prime Minister’s book and the guest lecture by the Leader of the Opposition were both well attended and received substantial coverage in the national media.

At its Christmas lunch in December 2002, the Department took the opportunity to offer its gratitude to Professor Emeritus Gladstone Mills, former Dean of the Faculty of Social Sciences and former Head of the Department of Government, for his leading contribution to our work. Professor Mills’ portrait has been placed in the main office of the Department of Government, and that office has been renamed The Gladstone Mills Room.

Other events supported by the Department in the year included the annual “Cricket, Lovely Cricket” Seminar and the fourth annual Marcus Garvey Symposium, both held in April 2003, and the 15th Annual All-African Students’ Conference in May 2003.

Academic performance among students in the Department of Government also prompted optimism. Eris Schoburgh, a tutor in the Department, successfully defended her PhD thesis in November 2002. Dr. Schoburgh’s thesis, offered in the field of Public Administration, was presented under the title “Local Government Reform: The Prospects of Community Empowerment in Jamaica”. At the M.Sc. level, Miss Farrah Brown, who took a First Class Honours degree from the Department in 2000, was awarded the Prime Minister’s Award for Scholarship for the Year 2002. Miss Brown is now pursuing further studies at the New York University on a Fulbright Scholarship. Miss Melissa McNeil (UWI Valedictorian for 2000), another Fulbright Scholar from the Department, successfully completed a postgraduate degree in International Relations at Fordham University during the course of the Academic Year 2002 to 2003. During this year as well, Miss Suzette Haughton, who holds undergraduate and postgraduate degrees from the Department, received notification that she had been awarded a Commonwealth Scholarship to pursue studies for the PhD degree at Kings College, University of London.

As noted at the outset, some members of staff (and, indeed, hopefully all) continue to be busy with academic research; and some have offered a summary of completed research and research in progress for inclusion in this report. In addition, it should be recalled that four senior members of staff, Professors Rupert Lewis and Trevor Munroe, and Drs. Jessica Byron and Anthony Harriott were on University of the West Indies

Research Fellowships throughout the academic year. At the same time, Professor Brian Meeks served as the Claudia Jones Visiting Professor at Florida International University for the first semester of this year. Dr. Meeks was also promoted to Professor in 2002. The Department heartily congratulates Professor Meeks and takes the opportunity to thank him for serving as Departmental Head for five years. The Department also congratulates Professor Munroe on his reappointment as Senator in the Jamaican Parliament. Professor Vasciannie returned to the Department from the University of Cambridge, where he had been a Smuts Fellow in Commonwealth Studies and a member of the Governing Body of Wolfson College. Mrs. Lisa Vasciannie, Assistant Lecturer, also returned to the Department after a year in Cambridge, where she had the status of Senior Student at Wolfson College. Mrs. Natalie Coley, Teaching Assistant, completed a Masters degree with the Caribbean Institute of Media and Communication. Professor Vasciannie, Dr. John Rapley, Senior Lecturer, and Mr. Robert Buddan, Lecturer, continued to write weekly columns for the Gleaner newspaper, while Ambassador Ivan Martinez, Assistant Lecturer, and Mr. Roger Smith, Teaching Assistant, made fairly frequent contributions to the Observer newspaper during the academic year.

Statistics on the overall performance of students in the Department of Government are set out further in this Report.

RESEARCH IN PROGRESS

Dr. Jessica Byron

- Small States Diplomacy in a Globalized World – Barbados, Costa Rica, the Dominican Republic and Trinidad and Tobago

Dr. Clinton Hutton

- Caribbean Aesthetics
- The Social and Aesthetic Foundations of Popular Jamaican Music: 1952-1982
- The Drums were Never Silenced: Essays on Freedom and Identity

Dr. Hedy Isaacs

- Evaluation of Civil Service Systems: A Case Study of Jamaica

Professor Edwin Jones

- Revisiting Westminster: Essays in Public Administration and Reform in Jamaica
- Cultural Matters and the New Forms of Labour Administration

Professor Rupert Lewis

- Marcus Garvey and Public Figures in Colonial Jamaica, 1929-1933
- Marcus Garvey's Assessment of Colonial Jamaica and the British West Indies in the 1930s

Professor Brian Meeks

- Documents on the Grenada Revolution (co-edited with Claremont Kirton)
- Envisioning Caribbean Futures
- The Encyclopaedia of Caribbean Thought
- Caribbean Subalternism: A History and Interpretation

Professor Trevor Munroe

- Reforming Caribbean Governance – Anti-corruption Dimensions
- Illicit Narcotics and Democratic Governance
- Globalisation, Corporate Governance and Industrial Relations
- Globalisation and Democracy

Dr. Lawrence Powell

- The Cross-cultural Variations in Distributive Justice Perception (CVDJP) study.
- JCCP Special Issue, based on the CVDJP Project:

Dr. John Rapley

- Employment, Productivity and Inflation in the US Economy in the 1990s: Fallacies of the New Economy Thesis

- The Jamaican Economy Since Independence
- Post-Modernism and Development Discourse
- Globalization and Inequality: Neoliberalism's Downward Spiral

Professor Stephen Vasciannie

- Humanitarian Intervention in International Law
- Human Rights in Jamaica
- Aspects of the Caribbean Court of Justice
- Aspects of International Investment Law
- The International Criminal Court

PAPERS PRESENTED

Conferences/Seminars

Dr. Jessica Byron

- “Multiple Identities and Strategic Regionalism in Belize”. CRIES panel on the Role of Identity in the Construction of Regionalism in the Caribbean, 28th Annual CSA Conference, Belize City, Belize, May 26, 2003.
- “Gender and Human Rights Issues in the Commonwealth Caribbean” Human Rights Symposium held to commemorate the retirement of Professor Bas de Gaay Fortman Institute of Social Studies, The Hague, The Netherlands, November 20, 2002.
- “Rethinking International Relations Theory: Changing Paradigms or More of the Same? A Caribbean Small State Perspective” - Mona Conference 2002, Globalization and Governance in the Caribbean, UWI, Mona, August 28-30, 2002.

Dr. Anthony Harriott

- “Responding to Youth Violence”, Conference on Youth and Small Arms, Port au Prince, Haiti, June, 8-12, 2003.

- “Firearm Violence in the Caribbean: A Preliminary Explanation”, Small Arms Review Conference, Geneva Switzerland, April 10-12, 2003.
- “Jamaica: A Developing Culture of Violence?”, Academy of Justice Sciences, Boston, USA, March 4-8, 2003.
- “Police and Society in the Caribbean: The Application of the United Nations Standards for Law Enforcement”, Conference on the Application of UN Standards and Norms in Crime Prevention and Criminal Justice, Peace Center, Castle Schlaining, Stadtschaining, Austria, February 10-13, 2003.
- “The Jamaican Crime Problem: Taking a New Turn and Presenting New Challenges?”, REDES 2002, Defense and Security Challenges in the 21st: Century Continuity or Change? Brasillia, Brasil, August 7-10, 2002.

Dr. Clinton Hutton

- “Forging Identity and Community Through Aestheticism and Entertainment: The Sound System and the Rise of the DJ”, 4th Annual Don Drummond Symposium, UWI, Mona, May 10, 2003.
- “Peter Tosh’s Narratives of Justice: The Dilemma of Fairness in this Global Age”, 2nd Annual Peter Tosh Symposium, UWI, Mona, October 2002

Dr. Hedy Isaacs

- “Neutrality Does Not Work: Politics and Administration, Duality and Dichotomy in Caribbean Perspective”, Annual Conference of the American Society for Public Administration (ASPA), Washington DC, March 2003.

Professor Edwin Jones

- “Legislative and Representational Functions of Parliamentarians: The Salary Nexus in Jamaica”, Cross Sectoral Conference sponsored by the Committee on the Review of Parliamentary Salaries, UWI, Mona, June 2003.
- “Revisiting Issues in Local Governance in St. Vincent and the Grenadines: The Way Forward?”, Public Lecture, National

Consultation on Local Government, St. Vincent, June 2003.

- “Caribbean Single Market Economy (CSME) and Free Trade Agreement of the Americas (FTAA): The Public Sector Leadership Challenge”, CAPAM Regional Conference: Caribbean Public Service Leadership and the Challenges of Globalization, Barbados, May 2003.
- “Forging Congruence: Imperatives of Labour Policy and Administrative Reform”, 1st Caribbean Labour Policy Conference, UWI, Mona, April 2003.
- “Operationalizing Conceptual and Practical Issues: The Next Step”, - OAS Forum on Local Governance in Small States, Issues, Experience and Options, St. Vincent, April 2003..
- “Education and Training for Lifelong Learning”, National Conference for Lifelong Learning, sponsored by HEART/NTA, Kingston, Jamaica, March 2003.
- “Training for Development”, Management Institute for National Development, September 2002.

Professor Rupert Lewis (with Jide Lewis)

- “Fiscal Politics and Political Reform”, Symposium on Implications of the 2002 General Elections for Politics and National Development in Jamaica, Department of Government, UWI, Mona, February 2003.
- “Lloyd Best: Epistemic Challenges in his Works”, - Independent Thought and Caribbean Freedom, A Testimonial Conference in Honour of Lloyd Best, Institute of Social and Economic Studies, UWI, St. Augustine, September 2002.

Professor Brian Meeks

- “Envisioning Caribbean Futures”, on the Panel From Travesties of Freedom to Freedom From Travesty, Caribbean Studies Conference, Belize City, May 2003, and Visiting Professorial Lecture, Florida International University, October 2002.
- “Caribbean Revolutions: A Retrospective”, Guest Lecture, Barry University, Miami Florida, October 7, 2002.

- “Lloyd Best, the Question of ‘The People’ and the Road not Taken in 1970” (Panel Chair) Independent Thought and Caribbean Freedom, A Testimonial Conference in Honour of Lloyd Best, Institute of Social and Economic Studies, UWI, St. Augustine, September 2002.
- “Jamaica, the Caribbean and Forty Years of Independence”, Broward County Libraries Division. Forum: From the Emancipation Act to CARICOM: On the Interface of Culture and Development in the Twenty First Century Caribbean, Fort Lauderdale, August 10, 2002.

Professor Trevor Munroe

- “Corporate Globalization and Caribbean Labour Policy”, 1st Caribbean Labour Policy Conference on Employment Relations Policies in the New Caribbean Economy, UWI, Mona & the University of Toronto, April 2-5, 2003.
- “Governance Under Threat – The Impact of Corruption”, Mona Academic Conference on The Governance Challenge: National, Regional and Global Dimensions, August 30-September 2, 2002.

Dr. John Rapley

- “Globalisation and the End of Neoliberalism”, Conference of Canadian Political Science Association, Dalhousie University, Halifax, Canada, May 2003.

Professor Stephen Vasciannie

- “Strategies to Improve the Jamaican Economy and their Gender Implications”, University of the West Indies International Training Programme, February 28, 2003.
- “Transparency in the International Investment Process”, 3rd Annual Research Colloquium University of the West Indies on Ethics in Caribbean Business – Philosophical, Social and Political Perspectives, UWI, Mona, February 23, 2003.
- “The Nature of Security in the Post-September 11 World”, Joint Florida International University/University of the West Indies Conference on Caribbean Security in the Age of Terror: Challenge and Change, January 31, 2003.

- “Aspects of the Caribbean Court of Justice”, Mona Academic Conference on Governance, University of the West Indies, September 2002.

PUBLICATIONS

Refereed:

Professor Stephen Vasciannie

- * “*International Law and Selected Human Rights Issues in Jamaica*”, Norman Manley Law School, October 2002.

Dr. Jessica Byron

- * “Gender and Human Rights in the Commonwealth Caribbean”, - Chapter Ten - in *Responding to the Human Rights Deficit: Essays in Honour of Bas de Gaay Fortman*, Kluwer [eds.], Karin Arts and Paschal Miho: Law International, The Hague, 2003.
- * “Rethinking International Relations: Changing Paradigms or More of the Same? A Caribbean Small State Perspective”, in *Governance in the Age of Globalisation: Caribbean Perspectives* [eds.], Kenneth O. Hall and Denis Benn: Ian Randle Publishers, Kingston, June 2003.

Dr. Anthony Harriott

- * “Presumed Criminality, Racial Profiling and Policing in America” in *Policing and Minorities: Bridging the Gap*, [eds.], Delores Jones-Brown and Karen Terry: Prentice Hall, 2003, p.22-34.

Dr. Hedy Isaacs

- * “Non-Monetary Incentives and Productivity” in the *Encyclopedia of Public Administration and Public Policy*, April 2003 by Marcel Drecker Inc.

Professor Edwin Jones

- * “Institutional Design for Sub-National Governance” in *Governance in the Age of Globalisation: Caribbean Perspectives*, [eds.], Kenneth O. Hall and Denis Benn: Ian Randle Publishers, 2003, pp. 229-248.

John Rapley

- * “Cote d’Ivoire” in *Encyclopedia of Twentieth-Century African History* [ed.], Dickson Eyoh: London, Routledge, 2002.

Professor Trevor Munroe

- * “Governance Under Threat: the Impact of Corruption and the Fight Against Corruption”, in *Governance in the Age of Globalisation: Caribbean Perspectives*, [eds.], Kenneth O. Hall and Denis Benn: Ian Randle Publishers, Kingston 2003, Chap. 19, pp. 369-382.
- * National Integrity Systems, Country Study Report, Jamaica 2003, in collaboration with Transparency International Commonwealth Country Project, 66 pages.

Professor Stephen Vasciannie

- * “Caribbean Court of Justice: The Need for Confidence-building Measures”, in *Governance in the Age of Globalisation: Caribbean Perspectives* [eds.], Kenneth O. Hall and Denis Benn, 2003.

Dr. Anthony Harriott

- * “Fear of Criminal Victimization in a Reputedly Violent Environment”, *Social & Economic Studies*, (2003): Vol. 52, No.1, pp. 35-71
- * “Police and Citizenship: The Tolerance of Police Violence in Jamaica”, *West Indian Law Journal* (2003): Vol. 28, No. 1.

Professor Rupert Lewis

- * “Introduction to Erna Brodber - *The Continent of Black Consciousness – On the History of the African Diaspora from Slavery to the Present Day*”, London, New Beacon Books (2003): vii-xi
- * “Lloyd Best and Epistemic Change” in *Independent Thought and Caribbean Freedom* [ed.]. Selwyn Ryan: Sir Arthur Lewis Institute of Social and Economic Studies, St. Augustine (2003): pp. 89-101.

Professor Brian Meeks

- * “The Frontline: Valentino, Pablo Moses and Caribbean Organic Philosophy in the Seventies”, in *Modern Political Culture*

in the Caribbean [eds.], Holger Henke and Fred Reno: The University of the West Indies Press (2003): pp. 276-301.

- * “Arguments Within What’s Left of the Left: James Watson and the Question of Method”, *The CLR James Journal*, Winter (2002): Vol. 8, No, 2, pp. 152 -177.

Dr. Lawrence Powell

- * Review of Stanley Renshon and John Duckitt [eds], “Political Psychology: Cultural and Cross-Cultural Foundations” *Journal of Cross-Cultural Psychology*, London, Macmillan, Vol. 33, pp. 122-123.

Professor Stephen Vasciannie

- * “Deep Seabed Mining in Customary International Law: Re-examining the Evidence”, *The West Indian Law Journal* (2003).
- * “Developing Countries and the Deep Seabed Mining Regime in the Law of the Sea Convention” in *Social and Economic Studies* (2002).
- * “Judges at the Border of Law and Politics”, Review Essay in *Social and Economic Studies* (2002).

Non-Refereed :

Prof. Brian Meeks

- * “*Paint the Town Red*”, Peepal, Tree Press, Leeds, 2003

Professor Trevor Munroe

- * “*Introduction to Politics*” (3rd ed.) Canoe Press, Kingston , 2003, 135 pages.

Dr. Anthony Harriott

- * “The Jamaican Crime Problem: Taking a New Turn and Presenting New Challenges? *IdeaX* (2002): Vol. 1, # 2, pp. 44-52.

Professor Brian Meeks

- * “Lloyd Best, ‘the People’ and the Road Not Taken in 1970”, in *Independent Thought and Caribbean Freedom: A Tribute to Lloyd Best* [ed.], Selwyn Ryan, Institute of Social and Economic Studies, St. Augustine (June 2003).

Dr. John Rapley

- * “Jamaica: Negotiating with the Dons.” NACLA Report on the Americans (August 2003).

PUBLIC SERVICE

Dr. Jessica Byron

- Member, Department of Government Foreign Study Exchange Programme
- Universite des Antilles et de la Guyane, Fouillole Campus and Mona two-member team to review the cooperation that has been placed between the UAG and the UWI
- Member, University Hospital Board
- Member, CRIES Board

Dr. Anthony Harriott

- Member, UN Expert Group on Crime Prevention and Criminal Justice
- Member, JCF Staff College Advisory Committee
- Member, CARICOM Caribbean Task Force on Crime

Dr. Clinton Hutton

- Board Member, Jamaica Archives
- Coordinator and Teacher, Craig Town Community Education Programme

Dr. Hedy Isaacs

- Guest Organist, Hope United Church
- Member, Committee to devise an income-generating proposal for the Department.
- Departmental representative, meeting of the Campus Board of Examiners, Faculty of Social Sciences, to discuss special/medical cases and the confirmation of awards

Professor Edwin Jones

- Member of Board, Public Services Commission (Jamaica)

- Member of Board, Planning Institute of Jamaica
- Chairman, Reform of JCF ‘Reshaping the Organization Board’
- Editorial Board: Journal of Public Management, Aston, UK
- Editorial Committee, Caribbean Journal of Public Sector Management, (MIND, Jamaica)
- Special Advisor, Ministry of Local Government
- Member, Police Commissioner’s Strategic Reform Board
- Member, Board of Directors, Mona School of Business

Professor Rupert Lewis

- Member, Council of the Institute of Jamaica
- Chairman, the African-Caribbean Institute of Jamaica and Jamaica Memory Bank
- Coordinator, Friends of Liberty Hall (restoring Marcus Garvey’s building).
- Associate Director, the Center for Caribbean Thought
- Member, American Political Science Association (APSA)
- Member, Caribbean Studies Association

Professor Brian Meeks

- Director, Centre for Caribbean Thought, UWI, Mona
- Chairman, The Michael Manley Foundation, UWI, Mona
- Member, American Political Science Association (APSA)
- Member, Caribbean Studies Association
- Member, Latin American Studies Association (LASA)
- Member, Editorial Board, the University of the West Indies Press
- Member, Editorial Board, Politics and Theory in the Black World, Institute for Research in African-American Studies, Columbia University (1992-4)
- Member, Editorial Board, Social and Economic Studies, UWI

Professor Trevor Munroe

- Senator, Parliament of Jamaica
- Director, United Way of Jamaica
- Executive Member, Private Sector Think Tank of Jamaica
- Member, Tri-partite Labour Advisory Council
- Executive Member, Steering Committee, Network of Legislative Leaders of the Americas
- Director, Jamaica Confederation of Trade Unions
- President, University and Allied Workers Union
- Member, Caribbean Rhodes Scholarship Selection Committee

Dr. Lawrence Powell

- Member, Editorial Board, Australian Journal of Political Science
- Member, Editorial Board, International Bulletin of Political Psychology
- Project Director for Cross-cultural Variations in Distributive Justice Perception (CVDJP) project
- Guest Editor, for a special issue of Journal of Cross-Cultural Psychology on “Cross Cultural Perspectives on Distributive Justice Perception”

Dr. John Rapley

- Member, Campion College Board of Administration

Professor Stephen Vasciannie

- Member, Chevening Postgraduate Scholarship Committee
- UNCTAD Resource Expert on Investment
- Manuscript Reviewer, Cambridge University Press, West Indian Law Journal
- Member, Various Scholarship Committees, Cable and Wireless, Jamaica
- Consultant, Attorney General’s Chambers, Jamaica

CATEGORIES OF STUDENTS

DEGREE

Semester I 2002/2003

Course	Registration	Sitting	Pass	Percent%
GT11A	416	382	366	95.8
GT11B	107	91	83	91.2
GT12A	196	183	176	96.2
GT13D	171	157	137	87.2
GT20M	41	36	29	80.6
GT22A	117	99	97	98.0
GT22C	194	188	186	99.0
GT22M	63	58	54	93.1
GT25M	174	170	162	98.8
GT26M	153	147	141	96.0
GT29E	107	102	102	100
GT29M	116	114	113	99.1
GT31P	60	57	57	100
GT32M	39	36	34	94.4
GT32P	115	108	102	94.4
GT33B	59	58	57	98.3
GT34A	169	166	165	99.4
GT36M	114	112	101	90.2
GT38M	105	102	100	98.0

DEGREE AND CERTIFICATE (CHALLENGE/UWIDEC/TLIs & OUTREACH)

Course	Registration	Sitting	Pass	Percentage %
GT11A	256	236	211	89.4

Semester II – 2002/2003

Course	Registration	Sitting	Pass	Percentage %
GT11A	304	273	256	93.8
GT11B	162	150	138	92.0
GT12A	101	94	90	95.7
GT21B	80	76	74	97.4
GT21M	70	64	64	100
GT22D	168	160	154	96.3
GT23B	39	37	35	94.9
GT23M	56	52	38	73.1
GT24A	186	178	175	98.3
GT24M	224	219	207	94.5
GT26P	22	22	18	81.8
GT27M	165	156	154	98.7
GT29F	118	108	104	98.1
GT30N	59	59	58	98.3
GT33M	50	48	47	98.0
GT35E	41	40	38	95.0
GT35M	117	110	89	80.9
GT35P	38	37	36	97.3
GT37M	136	128	127	99.2
GT39E	25	25	25	100
GT39G	148	142	141	99.3
GT39M	9	8	8	100

SUMMER 2003

Course	Registration	Sitting	Pass	Percentage %
GT11A	39	37	31	83.8
GT11B	21	20	19	95.0
GT12A	24	22	21	94.5
GT13D	11	11	11	100
GT22A	20	20	19	95.0
GT22C	41	41	41	100
GT24A	10	9	8	88.9
GT25M	26	26	25	96.2
GT26M	22	21	21	100
GT27M	14	14	12	85.7
GT32P	25	25	24	96.0
GT36M	36	35	34	97.1
GT38M	20	20	20	100
GT39G	18	18	18	100

DEGREE AND CERTIFICATE (CHALLENGE/UWIDEC/TLIs & OUTREACH)

Course	Registration	Sitting	Pass	Percentage %
GT11B	37	30	25	83.3
GT423	245	216	175	81.0
GT424	318	288	257	89.2

Awarded Degrees (BSc Majors)

	1 st Class	Upper 2 nd Class
International Relations	7	74
Public Administration	1	53
Political Science	1	11
International Relations & Public Administration		9
International Relations & Political Science		10
Political Science & Public Administration		5

Postgraduate

	PhD	MPhil	MSc
Registered	2	7	101
Awarded Higher Degrees (MSc)			
Comparative Politics/Political Theory	7}		
International Relations	7}		21
Public Administration	7}		

Prizes Awarded Graduate

MSc International Relations Award (Final Research Paper)
Suzette Haughton

Undergraduate

Ann Spackman Memorial Prize
Marlon Williams

Nethersole Prize
Karey Rowe

Sir Laurence Lindo Memorial Prize
Dacia Samuels

Archie Singham Memorial Prize
Jacqueline Amos
Natalie Dietrich

DISTINGUISHED VISITORS

His Excellency, Ambassador Edward Malayan, Russian
Federation of Jamaica

Professor Marc Holzer, Rutgers University, USA

Professor Ngugi wa Thiaong's, University of California

Mr. Richard Smyth, United States Embassy in Jamaica

DEPARTMENT OF MANAGEMENT STUDIES

Professor Alvin G. Wint, BSc *UWI*, MBA, *Northeastern*,
DBA, *Harvard* – Head of Department

WORK OF THE DEPARTMENT

During the academic year 2002-2003 the Department continued to focus on staff development and recruitment, enhancing scholarly output and curricula redesign.

In terms of staff development, two of our members of academic staff, **Derrick Deslandes** and **Christopher Tufton**, completed their doctoral degrees during the academic year, while another, **Denzie Gowdie**, returned to the Department at the end of the academic year, having completed the course requirements for her doctoral degree. We were pleased to have **Mrs. Audrey Welds**, partner in the law firm of DunnCox, and **Ms. Shirley Ann Eaton**, CEO of the Jamaica Bankers Association, join us at the end of the academic year. On a less positive note, our colleagues, Dr. Michael Haughton and Dr. Chandi Jayawardena resigned and Professor Lynn Harrison returned to Canada, having visited with us for two academic years.

The Department hosted several scholarly symposia during the year. These included the conferences on “Ethics and Development” and “The Role of Government in Tourism” held towards the beginning of the academic year; and our annual research colloquium, which continued our focus on ethics: “Ethics in Caribbean Business: Philosophical, Social and Political Perspectives,” held in February 2003. Our colleague, **Dr. Noel Cowell** also played a significant role in the organisation of the First Caribbean Labour Policy Conference held in April 2003. During the year, staff members from the Department also contributed to a special edition of the journal *Social and Economic Studies* on the subject of “Managing Health Care in Jamaica.”

During the 2002-2003 academic year, the Department continued to serve as the department that educates the most students in the University. In the graduation exercises of November 2002, 23% of the undergraduates graduating with degrees from the Mona Campus pursued majors offered by the Department. During the year, the Department completed the re-examination of its undergraduate curricula. The curriculum reform was approved by the various university approval bodies and implementation has begun with the 2003-2004 academic year.

At the end of the academic year, **Dr. Anne Crick** assumed the headship of the Department.

The scholarly activities pursued by members of the Department during the academic year are detailed in the remainder of this report.

RESEARCH IN PROGRESS

Bakre, Owalabi

- “Cultural Imperialism and the Post Independence Development of the Accountancy Profession in Jamaica”
- “Empirical Research in Accounting in Colonized Developing Societies.”
- “Globalization, Money Laundering and Underdevelopment in Emerging Economies: The Case of Nigeria.”

Barclay, Lou Anne:

- “Human Capital and Systems of Innovation in Africa.”
- “FDI-Facilitated Development: The Case of the Natural Gas Industry of Trinidad and Tobago.”

Cowell, Noel

- “An investigation of the factors underlying arbitration decisions at the industrial disputes tribunal.”
- “Human Resource Management and Organizational Performance: Evidence from a Developing Economy” (with Gangaram Singh and Darrel Taft).

- “Ethics in Caribbean Business and Society” (with Gavin Chen, Archie Campbell and Stan Moore).

Crick, Anne P.

- “Managing Emotional Displays in Tourism,”
- “Tourism and the Plantation Model: Dimensions of the Worker Management Relationship in Caribbean Tourism.” (with Noel Cowell).

Deslandes, Derrick

- “Destination Image Measurement: A Multitrait Multimethod Approach,” (with R. Goldsmith & Mark. Bonn)

Hilton McDavid

- “Service Enterprise Development and Global Competition: A Case for the Development of the Tourism Sector in the Caribbean”
- “Private Participation in Infrastructure and the Legal Implications for the Commonwealth Caribbean.”
- “Redefining Eco-Tourism in the Context of the Caribbean. (With C. Jayawardena & T. Spence)
- “A Strategic Approach to Agro-Tourism in the Caribbean (with. C. Jayawardena & V. Kerr).

Mendes, Margaret

- “Caribbean Cases in Auditing”
- “Comparative Caribbean Taxation”

Nicholson, Lawrence

- “Health Care in the Caribbean and its Relation with Global Developments”
- “Outsourcing Inventory Management Decisions: Models and Application (with Asoo Vakharia, and Selcuk Erenguc).

Ramjeesingh, Diaram

- “Is Tourism an Engine of Growth: A Jamaican Dilemma”
- “The Impact of a Failed Privatization on a Developing Country: A Case Study of the Sugar Company of Jamaica.
- “Caribbean Tourism and the FTAA” (with I. Boxill and D. Segree.)

Robertson-Hickling, Hilary

- “Re-entry Issues of Return Migrants from the UK to the Caribbean.”

Tufton, Christopher

- “FDI and Industry Upgrading and Expansion: The Case of the Automotive Industry in the Czech Republic.”
- “FDI in Cuba: A Decade after Reforms.”

Wint, Alvin G.

- “Has the Obsolescing Bargain Obsolesced: Negotiating with Foreign Investors.”
- “FDI and Poverty Alleviation in Small Developing Countries.”

PAPERS PRESENTED

Bakre Owolabi

- “Accounting Education: Practices and the Profession in the Commonwealth Caribbean: Regionalization of Internationalization”. Asian-Pacific Conference on International Accounting Issues, Los Angeles, California, Nov. 2002.
- “Locating Accounting Techniques and Practices within Capitalism, Colonialism, Imperialism and the Activities of Transnational Corporations Under Globalization: The Case of Pre and Post Colonial Caribbean Economies”. Caribbean Studies Association Conference, Belize, May 2003.

- “Capitalism, Imperialism, Regionalism and the Integration of Accounting Education, Practices and the Profession in the Commonwealth Caribbean (1988-2002)”. Interdisciplinary Perspectives on Accounting Conference, Madrid, Spain, July 2003.

Barclay Lou Anne

- “Using Foreign Investment Strategically for Competence Building” Seminar on FDI-Assisted Development, Oslo, Norway, May 2003 (with Lynn Mytelka).
- “FDI-Assisted Development in a Small Developing Country: Foreign Investment and the Stabilisation of the Jamaican Financial Sector.” Seminar on FDI-Assisted Development, Oslo, Norway, May 2003 (with Archibald Campbell and Alvin Wint).

Campbell, Archie

- “FDI-Assisted Development in a Small Developing Country,” (See Barclay)
- “Accounting and Auditing – the Effect on Enterprise Development and Export Competitiveness”, SALISES 4th Annual Conference on Development Strategy and Policy for Small States, Barbados, January, 2003.
- “The Development and Use of Management Accounting Techniques in Hotels”, Caribbean Studies Association Conference, Belize, May 2003.

Chen, Gavin

- “The Case for Financial Sector Growth in Jamaica”, SALISES 4th Annual Conference on Development Strategy and Policy for Small States, Barbados, January, 2003.

Cowell, Noel

- “Human Resource Development and Enterprise Competitiveness”, SALISES 4th Annual Conference on Development Strategy and Policy for Small States, Barbados, January, 2003.
- “Ethical Values and the Work Context,” 3rd Annual DOMS Colloquium on Ethics in Caribbean Business: Philosophical,

Social and Political Perspectives, Kingston, Jamaica, February 2003. (With A. Crick & R. Martin).

Crick, Anne P.

- “Come to Jamaica and Feel Alright: Have We Lost Our Way?” Caribbean Studies Association Conference. Belize, May 2003.
- “Emotional Labour – The New Type of Work: Policy Implications in the New Caribbean Economy. 1st Caribbean Labour Policy Conference, Kingston, Jamaica, April 2003.
- “Towards a Theory of Emotional Management in Caribbean Tourism: A Case Study of Jamaica and the Bahamas”. Conference on the Role of Government in Tourism: Enhancing Human and Economic Development Kingston, Jamaica, Sep. 2002.

Deslandes, Derrick

- “Towards a Model of Consumer Perception of Destinations,” Conference on the Role of Government in Tourism: Enhancing Human and Economic Development Kingston, Jamaica, Sep. 2002.
- “Using Database Marketing to Derive Customer Value: An Approach to Segmentation,” Conference of Society for Marketing Advances, St. Petersburg, Florida, November 2002.
- “The Role of Country Image and Destination Image in Anchoring Repeat Purchases: The Case of Montego Bay, Caribbean Studies Association Conference. Belize, May 2003.

McDavid, Hilton

- “Tourism as an Engine of Economic Growth in the Caribbean” Caribbean Studies Association Conference. Belize, May 2003.
- “Globalisation and its Impact on Employment and Remuneration on Industries in Developing Countries”, 1st Caribbean Labour Policy Conference, Kingston, Jamaica, April 2003. With Norman McLean.
- “Governance, Corruption and Economic Development”, 3rd Annual DOMS Colloquium on Ethics in Caribbean Business:

Philosophical, Social and Political Perspectives, Kingston, Jamaica, February 2003.

- “Service Enterprise Development and Global Competition”, 4th Annual SALISES Conference on Development Strategy and Policy for Small States, Barbados, January, 2003.
- “Globalisation and its Impact on Employment and Remuneration on Industries in Developing Countries: Human Resource Challenges to Guyana in the 21st Century”. 2nd Biennial Human Resources Symposium of the Human Resources Practitioners Association for Guyana. Georgetown, Guyana, Nov. 2002.

Mendes, Margaret:

- “Professional Ethics and the Accountancy Profession in Jamaica,” 3rd Annual DOMS Colloquium on Ethics in Caribbean Business: Philosophical, Social and Political Perspectives, Kingston, Feb. 2003.

Moore, Stan

- “An Exploratory Study of Employee Share Ownership Plans in Jamaica”, 1st Caribbean Labour Policy Conference, Kingston, Jamaica, April 2003.

Robertson-Hickling, Hilary

- “What Government Must Do to Help Trench Town Rock: The Case of Culture Yard,” Conference on the Role of Government in Tourism: Enhancing Human and Economic Development Kingston, Sep. 2002.
- “Preparing People for Work in the Caribbean – Creating a Competitive and Regional Global Workforce”, 1st Caribbean Labour Policy Conference, Kingston, Jamaica, April 2003. (with Terry Thomas).
- “Re-entry Issues for Returning Residents from the UK to the Caribbean”, Caribbean Studies Association Conference. Belize, May 2003.
- “Evaluating the Effectiveness of Teams in the Delivery of Mental Health in Jamaica,” 4th Annual SALISES Conference on

Development Strategy and Policy for Small States, Barbados, January, 2003. (with W. Abel & Frederick W. Hickling).

Thomas, Terry

- “Preparing People for Work in the Caribbean.” (see Hilary Robertson-Hickling).

Wint, Alvin G.

- “Analysing the Jamaican Fiscal Dilemma: Responding to the IDB”, PIOJ/IDB Conference “Toward Sustained Economic Growth in Jamaica”, Kingston, Jamaica, March 2003.
- “Ethics and Development: Ethical Management in the Public and Private Sectors”, DOMS/MSB Symposium on Ethics, UWI, Kingston, Jamaica, Sep. 2002.
- “FDI-Assisted Development in a Small Developing Country. (See Barclay).

PUBLICATIONS

Books:

Cowell, Noel M.

- * *Human Resource Development and Workplace Governance*, (Kingston, Jamaica: Ian Randle Publishers, 2002. (edited, with Clement Branche)

Mendes, Margaret

- * *Essentials of Jamaican Taxation – Second Edition* (Kingston, Jamaica: CFM Publishers, 2003.)

Wint, Alvin G.

- * *Enhancing Competitiveness in Small Developing Economies: Insights from the Caribbean* (Kingston, Jamaica: UWI Press, 2003.)

Refereed:

Barclay, Lou Anne

- * “The New Trade Initiatives and the Caribbean Realities,” *Caribbean Journal of Public Sector Management*, Vol. 4, No. 2, 2003. (with V. James & R. Henry).

Blake, Celia

- * “Going to the Wrong Market: Jamaica Stock Exchange Versus Fair Trading Commission.” *Caribbean Law Review*, Vol. 11, No. 2, 2002.
- * “Under One Roof: Integrated Regulator for Non-Deposit Taking Financial Institutions in Jamaica.” *Caribbean Law Bulletin*, Vol. 6, No.2, 2002.

Crick, Anne P.

- * “Internal Marketing of Attitudes in Caribbean Tourism,” *International Journal of Contemporary Hospitality Management*,” Vol. 15, No. 3, 2003.
- * “A Methodology for Improved Synergy Between the Classroom and Management Practices” with M. A. Haughton, S.E. Moore and L. A. Nicholson. *Education & Training*, Vol. 45, No. 1, pp. 30-44.
- * “Decentralization in the Jamaican Health Sector: A Performance Perspective,” *Social and Economic Studies*, Vol. 51, No.3, 2002.
- * “A Competitive Analytical Approach to Health Tourism in Jamaica,” *Social and Economic Studies*, Vol. 51, No. 3, 2002.

McDavid, Hilton

- * “An Input-Output Analysis of the Jamaican Hospitality and Tourism Sector,” *Social and Economic Studies*, Vol. 52, No. 1, 2003.
- * “The State and Tourism: A Caribbean Perspective,” *International Journal of Contemporary Hospitality Management*, 15, 3, 2003 (with D. Ramjeesingh.)

- * “Applying Economic Analysis to a Developing Country Health System, *Social and Economic Studies*, Vol. 51, No. 3, 2002.

Moore, Stan

- * “A Methodology for Improved Synergy,” (see Crick).

Nicholson, Lawrence

- * “Improving Inventory Management in Health Care Systems,” *Social and Economic Studies*, Vol. 51, No. 3, 2002.
- * “A Methodology for Improved Synergy,” (see Crick).

Ramjeesingh, Diaram

- * “Performance of Tourism Analysis: A Caribbean Perspective *International Journal of Contemporary Hospitality Management*, Vol. 15, No. 3, 2003. (With C. Jayawardena).
- * “The State and Tourism” (see. McDavid.)

Robertson Hickling, Hilary

- * “The Need for Mental Health Partnerships in Jamaica” *Social and Economic Studies*, Vol. 51, No. 3, 2002 (With Frederick Hickling).

Wint, Alvin G.

- * “International Competitiveness and Rare Tradeables: Assessing the Jamaican Health System,” *Social and Economic Studies*, Vol. 51, No. 3, 2002.
- * “Competitive Disadvantages and Advantages of Small Nations: An Analysis of Inter-Nation Economic Performance,” *Journal of Eastern Caribbean Studies*, Vol. 27, No. 3, 2002.
- * “Attracting FDI to Developing Countries: A Changing Role for Government?” *International Journal of Public Sector Management*, Vol. 15, No. 5, 2002. (With D. Williams).

Non-Refereed:

Barclay, Lou Anne

- * “Human Capital and Systems of Innovation in Africa,” in A. Lundvall et al *Africa’s Systems of Innovation* (Denmark: Aalborg University Press, 2003.)

Crick, Anne P.

- * “Managing in a Kinder, Gentler World of Work: Emotional Labour and Workplace Governance,” in N. Cowell & C. Branche (editors) *Human Resource Development and Workplace Governance in the Caribbean* (Kingston, Jamaica: Ian Randle Publishers, 2002.)
- * “Managing Emotional Displays in Tourism,” in I. Boxill, O. Taylor and J. Maerk (editors) *Tourism and Change in the Caribbean and Latin America* (Kingston, Jamaica: Arawak Publications), 2002.
- * “From MacDonaldization to Customization: Training the Service Worker in the New Era,” in C. Jayawardena (editor) *Tourism and Hospitality Education and Training in the Caribbean* (Kingston, Jamaica: University of the West Indies Press), 2003.
- * “Service and Servility in Contemporary Caribbean Hospitality,” in A. Pereira, Boxill, J. Maerk (editors) *Tourism, Development and Natural Resources in the Caribbean*, (Plaza Valdez, Mexico City, 2002).

McDavid, Hilton

- * “Why Should Government Intervene in a Market Economy?: A Caribbean Perspective on the Hospitality and Tourism Sector,” in I. Boxill, O. Taylor and J. Maerk (editors) *Tourism and Change in the Caribbean and Latin America* (Kingston, Jamaica: Arawak Publications), 2002.

Wint, Alvin G.

- * “The Power of the Muse: The Influence of International Business Scholarship,” *Academy of International Business Insights*, Vol. 4, No. 2, 2002.

PUBLIC SERVICE

Dr. Owalabi Bakre:

- Reviewer, *Critical Perspectives on Accounting Journal*

Ms. Celia Blake:

- Commissioner, Financial Services Commission

Mr. Archibald Campbell

- Director & Chair, Audit Committee, Jamaica Money Market Brokers Ltd.
- Director, JMMB Securities Ltd.
- Member, Continuing Professional Education Committee, Institute of Chartered Accountants of Jamaica (ICAJ)
- Member, Accounting Standards Committee, ICAJ
- Chair, Taxation Committee, ICAJ
- Member of Council, ICAJ
- Member, Mutual Life Gallery Committee

Dr. Noel Cowell

- Member, Ministry of Labour Tripartite Advisory Committee on Labour Market Information Systems.

Dr. Anne P. Crick

- Director, Jamaica Association for Training and Development (JATAD).
- Chair, Research and Publications Committee, JATAD
- External Assessor, University Council of Jamaica
- Member, Advisory Board, Excelsior Community College Tourism, Hospitality & Entertainment Management.

Dr. Derrick Deslandes

- Member, PSOJ, Trade Policy Committee

Mr. Stan Moore:

- Member, School Board, St. Andrew Technical High School.
- Director, Book Merchant Ltd.
- Director, Ashley & Associates.

Dr. Hilton McDavid

- Director, West Indies Gypsum Company.
- Infrastructure Engineer, Caribbean Development Bank/JSIF.
- Major, (Officer in charge of Officer Training) Jamaica Cadet Corps.
- Honourary Director of Research, Contractor General's Office.
- Reviewer, *SES, West Indian J. of Engineering, J. of Eastern Caribbean Studies*.

Mrs. Margaret Mendes

- Academic Co-ordinator, Associate Degree in Accounting, MIND
- Member, Auditing Practices Committee, ICAJ

Dr. Lawrence Nicholson

- Member, Curriculum Review Committee, Wolmers Boys School
- University Representative on the steering committee of the Poverty Reduction Programme (Funded by the European Union and coordinated by JSIF).

Mr. Diaram Ramjeesingh

- Director, EHC Industries

Mrs. Hilary Robertson-Hickling

- President, Jacks Hill Citizens Association.
- Vice-President, Queens' School Past Students Association

- Director, Connolley House

Dr. Christopher Tufton

- General Secretary, Generation 2000
- Contributor, Jamaica Daily Gleaner

Prof. Alvin G. Wint

- Associate Editor & Member, Editorial Advisory Board, *Journal of International Business Studies*; Member, Advisory Board, *Academy of International Business Insight* Publication
- Chair, Board of Directors, Statistical Institute of Jamaica
- Director, Jamaica Promotions Corporation
- Director & Member, Audit Committee, Jamaica Producers Group
- Director; Chair of Audit Committee, National Commercial Bank
- Director; Chair of Audit, Conduct Review and Investment & Loan Committees, NCB Insurance Services Ltd.

DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK

Patricia Anderson, BSc, UWI, MA, PhD *Chicago*
– Head of Department

WORK OF THE DEPARTMENT

The Department experienced a marked increase in student enrolment and overall growth. The increase in enrolment was recorded largely in Psychology which, like the Sociology and Social Work units, offered additional courses serving both to strengthen the undergraduate foundation and add diversity. Student enrolment for the BSc Social Work Programme increased by more than 50% compared to the previous year. While endeavouring to meet the demands of this growing population, a great deal of effort has also been devoted to making the graduate programme more interesting and rigorous.

The Department continued to experience difficulty related to the shortage of space for teaching and academic offices but a significant improvement was realized as the new facilities in the Sir Alister McIntyre complex became available.

In addition, construction of a laboratory of the behavioural sciences in this complex is underway. This facility will be opened during semester two of the 2003-2004 academic year. Expansion of facilities resulted largely from initiatives pursued by the Dean of the Faculty of Social Sciences, Professor Barry Chevannes; the Campus Principal, Professor Kenneth Hall; the outgoing Department Head, Dr. Patricia Anderson and Dr Brigitte Matthies.

The research, publications and public service undertaken by the Department continued to grow. Outstanding public service activities

included especially the extensive community interventions made by the Social Work Unit and Centre for Population, Community and Social Change. During Research Day, the Department hosted its annual Derek Gordon seminar, focusing on international migration. The many persons attending the seminar included overseas scholars.

Two members of the Department – **Mr. Clement Branche** and **Dr. Ian Boxill** - won the Principal's awards for Distinguished Researcher and Project Attracting the Most Funds, respectively.

New Graduate Programmes

MSc in Clinical Psychology

This is a joint programme with the Department of Community Health and Psychiatry. The first cohort was enrolled in 2001 and eleven students who completed in 2002-2003 are expected to graduate this year.

MSc in Applied Psychology

The MSc in Applied Psychology is a new programme designed to provide the theoretical foundation and applied psychology training for analysis and intervention in situations related to group functioning. The course is being offered initially under a two-and-a-half-year part-time programme. The two specializations currently offered are Social Psychology and Health Psychology. The first cohort was accepted for the 2003-2004 academic year.

International Linkages in Social Work

The Social Work Unit continued its collaborative work with overseas institutions, including the University of Connecticut, the NYU School of Social Work and the NYC Administration for Children's Services. In May, the Unit hosted three faculty members from Saint Leo University in Florida concerning the exchange of students for field practicum.

Dr. Claudette Crawford-Brown was the principal researcher for a grant from the Jamaica Social Investment Fund (JSIF), and other international funding sources to build a facility to house the Violence Prevention Clinic. Construction is expected to be started in 2003-2004.

Research Fellowships

Dr. Ian Boxill returned from a two-year Campus Research fellowship in which he conducted research on the social and economic impact of tourism in the Caribbean. **Dr. Brigitte Matthies** also

completed her fellowship in which she undertook collaborative work in Sports Psychology.

Population and Development Computer Lab

The Population and Development Computer Lab was established in 1996 as a part of the training programme for the Centre for Population, Community and Social Change. Started with a grant from the United Nations Population Fund (UNFPA) and with only six computers, it has become institutionalized as a Faculty operation through support from the Dean's office and MITS. At the end of the academic year the Lab was relocated to the ground floor of the Sir Alister McIntyre complex, with increased space and an increased number of computer terminals.

The greatly increased demand for the services has led to the extension of opening hours. In addition, during periods such as the weeks immediately prior to the due dates for major research projects, opening hours are regularly extended and access is also allowed on Sundays on request from lecturers and/or students.

Under the leadership of Arlene Bailey, the Lab Manager, staff members have developed a reputation for technical expertise, efficiency, dependability and sensitivity to client needs. Members of staff have often been called on to assist with special projects. An example is the Denham Town Housing Survey undertaken for the National Housing Trust in which they formed the core of the data management team.

The expansion in the stock of computer hardware and the acquisition of software have been facilitated by MITS, although the latter process is more limited and has been subject to significant delays.

The Centre for Population, Community and Social Change

During the year the Centre was involved in several projects. It embraces all members of the Department and provides institutional anchor for research training and outreach activities. In collaboration with the National Housing Trust (NHT), faculty conducted a housing survey in the inner-city areas of Denham Town and Hannah Town in Kingston. This research project fits into a broader framework of the Government's inner-city renewal effort. One of the specific objectives outlined in the Urban Renewal project is the improvement of the housing stock in these areas through the provision of adequate and affordable housing units which are to be constructed by the NHT.

Data collection for the survey involved both community consultation and household interviews. The household interviews were conducted over the period June to July 2003, by a team comprising mainly students from the Faculty of Social Sciences and selected community representatives who had prior experience in interviewing. Data processing was carried out during August and data analysis as well as the preparation of the final report for the NHT is in progress.

Dr. Patricia Anderson (senior lecturer) leads the project team. She is supported by lecturers Roy Russell, Horace Levy and Julian Devonish; teaching assistants Michael Gordon and Andrew Grant; and the Manager of the Population and Development Computer Lab, Arlene Bailey.

In addition, the Department through the Centre, hosted a two-week training programme in Social Assessment in collaboration with the United Nations Department of Economic and Social Affairs (UNDESA) and the Planning Institute of Jamaica (PIOJ). This involved public sector analysts, programme managers from the voluntary sector, and academics from the three UWI campuses. It is expected that this training programme will be institutionalized through the design of a new graduate-level course and the holding of workshops through the Centre.

The Human Resource Development Programme

This programme continued to be one of the successfully managed self-financing programmes in the university.

RESEARCH IN PROGRESS

Allen, Lita

- “Faith-based organizations and HIV/AIDS” (in a team led by Professor C. Uche)
- Experiential learning and its contribution to empowerment and transformation
- Evaluation of the impact of Jamaica Constabulary Force’s “Police Helping Police” programme

Anderson, Patricia

- Labour market changes in Jamaica
- Social capital and community development

- The contribution of Caribbean men to the family

Boxill, Ian

- A framework for developing alternative/pro-poor tourism in Jamaica
- Belize Living Standards Survey, Caribbean Development Bank

Branche, Clement

- Self and Caribbean social theory
- Representation of City Kingston
- Community, conflict and development in urban Jamaica
- Family and gender in the Caribbean
- Social leadership
- Participatory approaches and techniques
- Applied social psychology projects

Coore, Charlene

- Possible selves and physical disability
- Self-concept measurement and definition in the Caribbean

Crawford-Brown, Claudette

- Caribbean Child Welfare Reform for the New Millennium. Textbook for Graduate Programme. UWI Press.
- (with P. Samuels and P. Prescott) Assessment, counselling and training package for Caribbean social workers

Ffrench, Sean

- (with Marina Ramkissoon) UWI Wellness Taskforce – questionnaire design
- Evaluation of the Kingston Restoration Company's (KRC) work on poverty eradication in selected inner-city communities (with Dr. Patricia Anderson)
- Developing indicators for measuring youth inclusion in pilot communities (under the Government of Jamaica/DFID Jamaica Social Policy Evaluation (JASPEV) Programme)

Headley, Bernard

- “Migration, Changing Family Structure and Morbidity in the Caribbean”. (with Elsie LeFranc and Maureen Samms-Vaughn)
- Edward Seaga: A Political Life

McKenzie, Hermione

- The Prison as a total institution
- The performance of women candidates in recent Jamaican elections

Ramkissoon, Marina

- Revisiting the 1991 study by Brown *et al*, “Contribution of Caribbean Men to the Jamaican Family” (with Janet Brown and Patricia Anderson)
- Wellness Task Force, Office of the Deputy Principal, UWI, Mona. Design and implement an annual Student Wellness Survey (with Sean Ffrench)
- Child Issues Coalition – a review of the past 20 years of research on children in the Caribbean
- Cross-cultural study of loneliness and changes in student relationships (with Sean Seepersad and Professor Reed Larson)
- Self efficacy and its measurement in the Caribbean
- “Cross-Cultural Sexual Jealousy” (with Martin Voracek)
- Applied Social Psychology textbook for the Caribbean (with Clement Branche)

Stewart, Kingsley

- Inside the worldview of Dancehall
- Identity construction through movement in Dancehall
- Sex, sexuality and identity and Dancehall

Taylor, Orville

- Establish ILO’s position on flexitime for developing nations

- An Evaluation of the Ministry's Providing Assistance Through Health and Education (PATH) Programme
- “What's up Brother?” - a comparative examination of Jamaican Dancehall and Hip-Hop music and culture
- Industrial conflict, dispute resolution and labour standards in the Commonwealth Caribbean
- A comparison of development indicators of African Americans in four U.S. states and Afro-Caribbeans in the West Indies

PAPERS PRESENTED

Allen, Lita

- “Empowering the Student Social Worker: Experiential Learning for Personal and Professional Growth”. 6th Biennial Conference of Caribbean and International Social Work Educators, Barbados, July 28 - August 1, 2003

Baker, Peta-Ann

- “Illuminating the Reality: Older West Indian Women in the United States”. 8th Derek Gordon Research Seminar, UWI, Mona, 1st February 2003

Boyce-Reid, Karlene

- “Hibiscus: Opportunities and Challenges in Meeting the Needs of the Families of Women Incarcerated for Drug Trafficking”. Association of Caribbean Social Work Educators, biannual conference, Barbados, July 28 - August 1

Coore, Charlene

- “Reaction to Innovation: The Response of Teachers and Students to the Introduction of Computers.” 27th Annual Caribbean Studies Association Conference, Nassau, Bahamas, 2002
- “A Psychometric Evaluation of the Six-Factor Self-Concept Scale in a Sample of Jamaican Women.” 28th Annual Caribbean Studies Association Conference, Belize City, Belize, 2003

Crawford-Brown, Claudette

- (with P. Prescott) “Profile of Violent Youth: A Study of the Characteristics of Children Exhibiting Delinquent Behaviour in Jamaica”. National Youth Service, Ministry of Education, December 2002
- “Violence and the Jamaican Child 2002: The Impact of Violence on the Jamaican Child.” Departmental Seminar, December 2002
- “The Ethics of Parenting in the Ethiology of Child Maltreatment in Jamaica”. MIOB conference on ethics in the Jamaican society, UWI, Mona, March 2003
- “Beyond the Barrel Children Phenomenon”. The Association of Caribbean Social Work Educators (ACSWE), Bridgetown, Barbados; National Institute of Mental Health, USA, August 2003

McFarlane, Tracy

- “Echoes of Colonization? The Contemporary Responses to Social Marginalization”. 8th Derek Gordon Research Seminar, UWI, Mona, 1st February, 2003.

McKenzie, Hermione

- “The Poor and the Community: Exploring the Realities”. 8th Derek Gordon Research Seminar, UWI, Mona, 1st February, 2003

Ramkissoon, Marina

- “Self, Identity and Awareness”. Orientation Week, Mary Seacole Hall, UWI, Mona, September 2003
- “Caribbean Criminality and Resistance: Local and Diasporic Connections”. Caribbean Studies Association Annual Conference, Bahamas, 2002
- “Psychological and Physical Presence of Fathers”. (Jamaica) Family Court Seminar Series, 2002

Ricketts, Heather

- “Gender Construction and Labour Market Impact: The Case of Jamaica”. Caribbean Studies Association Conference, Belize, May 2003

- (with Professor Barbara Bailey) “Gender Vulnerabilities in Caribbean Labour Markets and Decent Work Provisions”. First Caribbean Labour Policy Conference, Jamaica, April 2003

Stewart, Kingsley

- “Principles in the Worldview of Dancehall”. American Anthropological Association Annual Conference, Louisiana, New Orleans, USA, November 2002
- “Self-construction through Dance in Jamaica’s Dancehall”. Dance Under Construction Conference, UCLA, Los Angeles, California, 2003

Taylor, Cedric

- “The Naked Truth: Organisational Impacts on the Exotic Dancing Industry.” Caribbean Studies Association Annual Conference, Belize, May 2003

Taylor, Orville

- “The Challenge of Labour Standards and Social Protection in CARICOM.” 1st Caribbean Labour Policy Conference, University of the West Indies, Mona, Kingston, Jamaica, April 2003
- “Placing Labour within Development Strategies: Finding a Balance for Social Protection and Employment in CARICOM”. SALISES conference, UWI, Cave Hill, Barbados, January 2003
- “Protection of Employment in the CARICOM Tourism Industry: Threats and Challenges”. Department of Management Studies, Tourism Conference, UWI, Mona, September 2002

PUBLICATIONS

Allen, Lita

- * “A Human Skills Laboratory approach to training social workers: evaluation and implications for social work education.” (with L. R. Norman) *Caribbean Journal of Social Work* 2, July 2003.

Boxill, Ian

- * “Towards an Alternative Tourism for Belize”. *International Journal of Contemporary Hospitality Management*, vol. 15, no. 3, 2003.
- * “Challenges for Academic Research in Tourism in the Caribbean”, in Chandana Jayawardena (ed.). *Tourism and Hospitality Education in the Caribbean. Jamaica*: University of the West Indies Press, 2002.
- * Boxill, I., O. Taylor and Johannes Maerk (eds.). *Tourism and Change in the Caribbean and Latin America*. Kingston: Arawak Publications, 2003.
- * Ian Boxill and Philip Castillo. “Socio-impact of tourism in Dangriga and Hopkins, Belize” in Alberto Periera, Ian Boxill and Johannes Maerk (eds). *Tourism, Development and Natural Resources in the Caribbean*. Mexico City: Plaza y Valdez, 2002.
- * Ian Boxill and Osbert Federick, “Old Road, New road, Community Protests and Development in Antigua” in Alberto Periera, Ian Boxill and Johannes Maerk (eds). *Tourism and Change in the Caribbean and Latin America*. Mexico City: Plaza y Valdez, 2002.
- * Ian Boxill. “Socio-economic impacts of tourism in Barbados and Jamaica” in Alberto Periera, Ian Boxill and Johannes Maerk (eds). *Tourism, Development and Natural Resources in the Caribbean*. Mexico City: Plaza y Valdez, 2002.
- * Periera, Alberta Johannes Maerk and Ian Boxill (eds), *Tourism, Development and Natural Resources in the Caribbean*. Mexico City: Plaza y Valdez, 2002.

Branche, Clement

- * (with Cowell, N.) *Human Resource Development and Workplace Governance in the Caribbean*. Kingston, Ian Randle Publishers, 2002.

Headley, Bernard

- * *A Spade is Still a Spade: Essays on Crime and Politics in Jamaica*. Kingston: LMH Publishers, 2003.

- * *The Jamaican Crime Scene: A Perspective* (3rd ed.). Washington, D.C.: Howard University Press, 2003.

Ramkissoon, Marina

- * “Cultural Value Orientations and Accommodation Among Heterosexual Relationships in Jamaica”. (with Stanley O. Gaines and Brigitte K. Matthies). *Journal of Black Psychology*, vol. 29, no. 2, 2003.

Taylor, Orville

- * *IDEAZ*, vol. 2, No.1, 2003. Guest edited Special Issue, *Re-Thinking and Searching our Blackness*. Kingston.
- * *Tourism and Change in the Caribbean and Latin America* (edited with Ian Boxill and Johannes Maerk). Kingston: Arawak Publications, 2002.
- * “Re-Appropriating the Stolen Legacy: The African Contribution to the Origin of Sociological Thought”. *IDEAZ*, vol. 2, no.1, Special Issue, 2003.
- * “Understanding the controversy behind the Grenadian labour relations Amendment Bill”. *Journal of Eastern Caribbean Studies*, vol. 28, no. 2, June 2003.
- * “Globalization and the Caribbean”. *The Globalization Monitor*, vol.1, no.2 (2003).
- * “Not Posses, Terrorists or Snipers: The Jamaican Success Story in South Florida”. *IDEAZ* Vol. 1, No.2, December 2002
- * “Governance, Social Protection and Employment in CARICOM: Is Labour Missing?” in Denis Benn and Kenneth Hall (eds.). *Governance in the Age of Globalisation: National, Regional and Global Perspectives*. Kingston: Ian Randle Publishers, 2003.
- * “Worker Protection and the Termination of the Contract of Employment in the CARICOM Tourism Sector”, in Ian Boxill, Orville Taylor and Johannes Maerk (eds.). *Tourism and Change in the Caribbean and Latin America*. Kingston: Arawak Publishers, 2002.

- * “Globalization, Racism and the Terrorist Threat: Incorporating an Afro-Caribbean Response”, in Julianne Malveaux and Reginna Green (eds.). *The Paradox of Loyalty: An African American Response to the War on Terrorism*. New York: Third World Press, 2002.
- * “Freedom of Association and Collective Bargaining in the Jamaican Tourism Industry”. In Alberto Pereira, Ian Boxill and Johannes Maerk (eds.). *Tourism, Development and Natural Resources in the Caribbean*, Plaza y Valdes, Quintana Roo, Chetumal, Mexico, 2002.
- * “Labour Law, Statutory Arbitration and the Termination of Employment: Exercising Rights Rightly”. In Noel Cowell and Clement Branche (eds.) *Human Resources Development and Workplace Governance in the Caribbean*. Kingston: Ian Randle Publishers, 2002
- * “The Jamaican Labour Relations and Industrial Disputes Act (LRIDA): A Critical Evaluation” in Noel Cowell and Clement Branche (eds.). *Human Resource Development and Workplace Governance in the Caribbean*. Kingston: Ian Randle Publishers, 2002.

Translated book chapters

- * “Tourism in Cuban Literature: From Guillen to Gutierrez”, from Spanish by Erika Muller. In I. Boxill, O. Taylor and J. Maerk (eds.). *Tourism and Change in the Caribbean and Latin America*. Kingston: Arawak Publications, 2002.
- * “Tourism and Air Transport in the Caribbean”, from the Spanish by Juan Carlos Arriaga. In I. Boxill, O. Taylor and J. Maerk (eds.). *Tourism and Change in the Caribbean and Latin America*. Kingston: Arawak Publications, 2002.

PUBLIC SERVICE

Allen, Lita

- Member, Board of the Whole Person Resource Centre
- Member, Training Committee, Alliance of Counsellors and Therapists (ACT)

- Member, Mental Health Response and Training Team, Jamaica Red Cross Society

Anderson, Patricia

- Member, Board of Directors, Planning Institute of Jamaica
- Member, Board of Directors, Statistical Institute of Jamaica

Branche, Clement

- Coordinator/Associate, Social Solutions – Social Psychology, Participatory Research and Action Group

Ffrench, Sean

- Volunteer, the Possibility Programme

Headley, Bernard

- First Vice President, Hope Pastures Citizens Association, St. Andrew
- Member, Corporate Strategy Operation Review Board, lead agency for the Jamaica Constabulary Force's (JCF) "Reform and Modernisation Programme"
- Ad hoc unpaid consultant, JCF's "Reform and Modernisation Programme"

McKenzie, Hermione

- Chair, Education Working Group, in the Technical Working Group of the Jamaica Social Policy Evaluation Project (JASPEV), Office of the Prime Minister
- National President, Young Women's Christian Association (YWCA) of Jamaica
- Member, Technical Assistance Committee, CVSS/United Way of Jamaica

Ricketts, Heather

- Member, Research Agenda Committee, and Strategic Planning Group - Planning Institute of Jamaica (PIOJ)
- Member, Technical Working Group of Jamaica Social Policy Evaluation

- Member, UWI/SALISES Technical Consultancy team providing training to personnel from Belize (CSO and social sector Ministry officials)

Taylor, Orville

- Chairman, Constabulary Force Staff College Advisory Council
- Training Consultant/Lecturer, Jamaica Police Staff College
- Patron, Taylor House, St. Patrick's Primary School, Olympic Gardens
- Associate Faculty, Management Institute for National Development (MIND)
- Member, Team of Evaluators, Labour Studies Programme, Cipriani Labour College, Trinidad and Tobago (January)
- Core member, Labour Studies Initiative
- Collaborator, Mathematica Policy Research, Washington, D.C.

UNDERGRADUATE PROGRAMME (2002 – 2003)

Courses offered, by discipline

DEMOGRAPHY/SOCIOLOGY	SOCIAL WORK	PSYCHOLOGY
31	20	21

DEGREE PROGRAMMES

	1 ST	2 ND	3 RD	TOTAL
Sociology	122	61	65	248
Social Work	61	37	54	152
Psychology	132	137	215	48
TOTAL	315	235	334	884

DIPLOMA PROGRAMMES

	TOTAL
Sociology	16
Social Work	8
Population and Development	2
TOTAL	26

Students graduated, by degree, diploma and certificate

DEGREE PROGRAMMES

	First Class	Upper Second	Lower Second	Pass	TOTAL
Sociology	1	11	10	5	27
Social Work	4	17	10	-	31
Psychology	14	57	35	5	111
TOTAL	19	85	55	10	169

GRADUATE PROGRAMME

Courses offered, by discipline

Sociology	Social Work	HRD	Clinical Psychology
19	13	15	17

Enrolment in graduate degree programmes

	Full-time		Part-time		TOTAL	
	New	Returning	New	Returning	New	Returning
MSc Sociology	6	9	12	16	18	25
Master of Soc Work	17	3	-	17	17	20
MSc HRD	-	-	43	4	43	4
MSc Clin. Psychology	24	-	-	-	-	-
MPhil	-	-	-	1	-	1
PhD	-	-	-	2	-	2
TOTAL	47	12	55	40	78	52

Students graduated

MSc Sociology	MSW	MSc HRD
5	4	40

**INSTITUTES AND
RESEARCH CENTRES
LOCATED AT MONA**

Year ending July 31, 2002

ADVANCED TRAINING & RESEARCH IN FERTILITY MANAGEMENT UNIT

**Professor the Hon. Hugh Wynter, OJ, CD, MD *Lond*, FRCOG,
FICS, FACS, FACOG – Director**

WORK OF THE DEPARTMENT

Mission

The mission of the Advanced Training and Research in Fertility Management Unit (ATRFMU) is to promote, develop and deliver training, research, outreach and clinical services in the areas of Reproductive Health (including family planning) and Health and Family Life Education throughout Cariforum countries.

Overall Objectives

To implement and evaluate the effectiveness of reproductive health/family planning/health and family life education programs, in pursuit of the national development goals of CARICOM and other countries.

Training

MSc Counselling via Distance Education

Eighty-six students commenced this programme (academic year 2002/2003) from the following sites – Jamaica (Mona/Mandeville), Cayman, Belize, Bahamas, Trinidad (Mount Hope), Barbados, St. Vincent, St. Lucia, Dominica.

- Workshop for Tutors/Coordinators from nine countries conducted at Mona, June 16-20, 2003.
- Four week Summer School for eighty-six students from the M.Sc. Counselling via Distance Education was conducted at Mona, June 30 - July 25, 2003.
- Student manuals and books of readings were written, edited and distributed to eighty-six students and tutors at all the sites.
- Plans are being made for the commencement of the second year of the programme academic year 2003/2004.

Course SY21P - Reproductive Health and Family Life Education

The course SY21P was conducted during Semester I of the academic year 2002/2003. Twenty-eight students from Faculties of Arts and Education, Social Sciences and Pure and Applied Sciences attended. All were successful.

OUTREACH

- Two volumes of HFLE materials prepared in the Training Workshops during the recent three-year UNDP funded HFLE project were prepared and distributed to all University Centres.
- The Outreach Coordinator is a curriculum Development Committee member of UWI HARP
- The Outreach Coordinator and Training Officer attended a Training of Trainers Workshop, May 4-7 which initiated revision of relevant courses in order to strengthen the HIV/AIDS content and use of participatory methodologies that encourage behaviour change.
- Planning is ongoing for the proposed HFLE – HIV/AIDS projects to be undertaken by the ATRFMU. This would strengthen HFLE in schools used by Teacher Training Colleges for practice teaching.

CLINICAL SERVICES

- The following clinical services were offered during the period under review

- Contraceptive methods
 - Pills
 - Injections
 - Intra-Uterine Device (IUCD)
 - Norplant
 - Condoms
- Surgical Procedures
 - Tubal Ligation - Laparoscopy
 - Culdoscopy
 - Laparoscopy - Diagnostic and Operative Hysteroscopy

Infertile Women

- Infertile women for Diagnostic and Operative Laparoscopy are counselled pre and post operatively and referred to the Gynaecology Out Patients for follow up.

RESEARCH

- Evaluation of breast feeding programme Ministry of Health/UNICEF. The final report was submitted
- HIV/STI Study - CCMRC HIV/STI risk perception study among antenatal and family planning clients completed. Final report submitted

RESEARCH IN PROGRESS

- Tracer Study in collaboration with the Women's Centre of Jamaica Foundation, among Women's Centre IUCD recipients from the ATRFMU and other clinics during the period 1991 - 2001.
- A review of the female sterilizations done in the Unit over twenty years.

PAPER PRESENTED

Hamilton, Pansy

“Breastfeeding dynamics between antenatal and post natal clients”,
Nursing and Midwifery Conference, Department of Advanced Nursing
Education, UWI Jamaica Pegasus Hotel, May 15, 2003

PUBLICATION

Refereed

Meade, Joan

- * “Beyond the Conventional Unmet Need for Family Planning.”
The Jamaican Nurse 40, 2,3 (2002), 15-22

PUBLIC SERVICE

Professor the Hon. Hugh Wynter, OJ

- Member, Board of Trustees Wolmer’s Schools

M. Jean Munroe, OD

- Member, National Family Planning Board
- Member, Board of Gallimore McPherson Senior Citizens
Home, St. Margaret's Church, Liguanea
- Member, University Hospital Trust
- Member, Dental Council of Jamaica
- Member, Lion's Club of St. Andrew, Central
- Member, Jamaica Association of Health Service Executives

Pansy Hamilton

- Vice President, Young Women's Christian Association
- Vice President, Jamaica Association of Health Service
Executives (Education)

- Member, Board of Directors Whole Person Resource Centre
- Member, Congregational Board, Webster United Memorial Church
- Member, The American Studies Association of Jamaica
- Member, Population Association of America

Lillith Williams

- Member, The Psych Group, U.W.I.
- Member, Jamaica Association of Mentally Handicapped Children
- Member, Jamaica Red Cross Association

Joan Meade

- Member, Association of Health Service Executives
- Chairman, Health Services Committee, Lions Club of St. Andrew Central
- Member, Heart Foundation of Jamaica

Amy Lee

- Family Counsellor, Barbican Baptist Church
- Family and Adolescent Counsellor at Family Court and Women's Crises Centre

Elaine Jackson

- Member, the Psych Group, U.W.I
- Member, National Intercessory Prayer Network of Jamaica
- Director for Music Ministry, Word of Life Christian Fellowship

CATEGORIES OF STUDENTS

Clinical Training

During the period under review the following were trained

Post Graduate (Doctors pursuing DM (O&G)/MRCOG)	10
Undergraduate (Medical Students)	83
PupilMidwives	39

DISTINGUISHED VISITORS

Dr. Karlene Chin-Quee, MD, FACOG}

Mr. Robert Longman, Heartbeats of the World, Inc. (HOW)

Mrs. Thelma Johnson, Heartbeats of the World, Inc. (HOW)

Miss Penelope Campbell, UNICEF

Dr. & Mrs. David Redford, Royal Shrewsbury Hospital

Professor Robert Shaw, Past President of the Royal College of
O&G

AGRICULTURE UNIT

Dave G. Hutton, BSc UWI, MSc C'nell, Diploma (Nematology)
Universidad Centrale de Venezuela – Agriculture Representative

The Faculty of Science and Agriculture (FSA), formerly Faculty of Agriculture and Natural Sciences (FANS), of The University of the West Indies at St. Augustine, Trinidad is comprised of the Schools of Agriculture (SoA), and Natural Sciences. The Agriculture Unit (AU), Mona i) represents the SoA at the UWI Mona Campus; ii) undertakes outreach to agricultural and related communities in Jamaica and elsewhere, on behalf of the SoA; iii) coordinates the SoA's External Programme in Agriculture (EPA) and the University Certificate Programme in Agriculture (UCPA) in Jamaica; and iv) carries out adaptive research.

Under a Memorandum of Agreement (MoA) concluded in May 2001 between FANS and the Faculty of Pure and Applied Sciences, UWI/Mona and approved by the Principal, UWI/Mona and endorsed by the Vice-Chancellor, the Agriculture Representative (AR) was appointed Honourary Lecturer in the Department of Life Sciences, Mona; himself and AU staff are now integrated into Life Science's teaching, research, outreach and other programmes. The AU relocated to Block C, Life Sciences in October 2002.

WORK OF THE UNIT

Relevant to the SoA

The AR coordinated the SoA's 10-week Internship Programme (Course AG 233) in Jamaica by negotiating assignments, interviewing the five students and supervisors at their worksites, and processing evaluation documents.

Administrative support was given to SoA students officially in Jamaica.

Materials, information, etc. from the SoA were routed through the Unit to various Jamaican interests.

The SoA participated as an exhibitor at the Denbigh Agricultural Show, for the first time. The AR coordinated the visit of the SoA's representative to Denbigh, and demonstrated at the Show.

The Unit promoted the SoA through exhibitions/presentations on careers in agriculture at career symposia at various high schools.

The Unit continues to maintain breadfruit germplasm procured from Hawaii under the "Breadfruit Improvement Project", carried out in Jamaica by the Dept. of Food Production, SoA, to characterize local, and assess introduced germplasm, and identify, multiply and distribute improved local and introduced cultivars.

The AR taught 15 hours of Economic Nematology to MSc Crop Protection students at FSA, St. Augustine.

The AR participated in a two-day retreat of the SoA which deliberated the theme "Developing a Strategic Agenda - the Way Forward to 2007"; this was held in Trinidad.

A three-member Technical Assistance Mission, including the AR, visited St. Vincent for three days, responding to an appeal from the Windward Islands Farmer's Association (WINFA) for assistance to manage destructive nematodes, and weeds, affecting banana productions in those islands, this in December 2002. In May 2003, the AR returned to St. Vincent for five days to train farmers and technicians in taking and processing samples for plant nematode isolation and identification.

Relevant to UWI/Mona

The AR sat on the Planning Committee, and the Unit participated in the UWI/Mona 2002 Career Expo; an exhibition on the SoA and on careers in agriculture was mounted in collaboration with the Rural Agricultural Development Authority (RADA).

The AR served as University Examiner for Course BL20M.

The AR's teaching responsibilities pertained to the following courses:-

BT37Q (Plant Health); 2 weeks

BL05B (Preliminary Biology); 2 weeks

Z32G (Pest Management); 1 week.

The AR prepared profiles on eight plant parasitic nematodes, and presented these at an FAO "Regional Workshop on the Identification of Pests of Major Phytosanitary Significance in the Caribbean", held in Trinidad, November 2000.

Outreach

The AR collaborated with the Research and Development Department, Ministry of Agriculture (MINAG) on various research initiatives.

The AR made presentations on the benefits of soil solarization, particularly as an alternative to methyl bromide, at workshops put on by the National Environmental and Planning Agency (NEPA), these for the benefit of public and private sector interest groups. The Unit, NEPA and RADA cooperated to demonstrate this and other soil disinfection methodologies at the annual Denbigh Show.

The AR is a member of the National Youth in Agriculture/RADA Schools' Agricultural Programme Committee, whose major objective is to reintroduce and/or reinforce the integration of agriculture into schools' curricula, and to encourage Jamaican youth to recognise agriculture as an honourable and profitable career, and their involvement in the study/practice of it. This Committee staged relevant competitions for schools and youth groups, these culminating at the annual Denbigh Agricultural Show. Each year, the main prizes are scholarships to the FSA, or the College of Agriculture, Science and Education (CASE). For 2002/2003, no scholarship winner entered FSA, due to the sponsor's change in policy; four scholarship winners were at CASE.

The AR sat on interview panels for the Youth in Agriculture and the Capital and Credit Merchant Bank scholarship awards.

The AR trained field and laboratory staff of the Banana Board in Plant Nematology methodologies.

The AR participated in several events staged by the National Food and Nutrition Co-ordinating Committee of Jamaica (NFNCCJ), which promotes the improvement of household foods availability and the nutritional status, particularly of at-risk groups in Jamaica's population. The AR served as coach to the Jamaican team which placed third in the Caribbean Nutrition Quiz, sponsored by the Caribbean Food and Nutrition Institute (CFNI). The AR participated in a seminar, "The Safe and Effective Use of Pesticides", put on by NFNCCJ and the Food Storage and Prevention of Infestation Division (FSPID), for farmers, householders, students and other interest groups in St. Mary.

The Unit, RADA and Bellevue Hospital (BH) are cooperating to establish an income generating agricultural project at the BH, this under the aegis of the Bellevue Hospital Foundation of Friends.

Soil and plant samples were analyzed for noxious nematodes for several farmers, householders, institutions or agencies (including the Sugar Industry Research Institute (SIRI), NEPA, RADA, etc.) and relevant nematode control recommendations or assistance with addressing plant nematode problems given.

The AR attended/participated in several conferences, seminars, field days, training days, workshops, symposia and other such events hosted by UWI, MINAG, CARDI, IICA, NEPA, the Jamaican Society for Agricultural Sciences (JSAS), The Coconut Industry Board, the Jamaica Organic Agriculture Movement (JOAM), etc.

The AR sat on sundry MINAG Committees set up to address topical issues.

The External Degree Programme in Agricultural and Rural Development (EPA), and the University Certificate Programme in Agriculture (UCPA).

Both programmes are offered from FANS by distance. Thirty six students were enrolled in the EPA for 2002/2003, twenty four in the MSc, eight in the Post-Graduate Diploma, and four in the Certificate Course disciplines, and three in the UCPA. The Unit administers these programmes in Jamaica, being the contact point for students, providing information, advice, supervision, counselling or administrative support, and interaction with St. Augustine.

RESEARCH IN PROGRESS

- Lethality of certain disinfectants, plant residues or extracts to plant or free living nematodes *in vitro*, or in soil.

Several disinfectants, or plant extracts have proven to be quite lethal to plant-parasitic and free living nematodes. Investigation of these and other “safe” products is ongoing.

- Persistence in soil of disinfectants used as nematicides, and investigation of their herbicidal effectiveness.

The forementioned disinfectants have proven to be as persistent in soil as traditional nematicides, but somewhat less effective in suppressing soil and root populations of destructive nematodes. Their herbicidal effectiveness is being investigated, since they were injurious to several crops in previous trials.

- Confirming pathogenicity of *Phomopsis dioscoreae* to yam.

Pathogenicity tests confirmed this fungus, not previously reported from Jamaica, to be the cause of a leaf spot disease affecting yam plants in a Westmoreland district. A “new disease” report is being revised for resubmission to an international journal.

PAPERS PRESENTED

Hutton, D.G. and Jane E. Cohen. 2003. Herbicidal effectiveness of three household disinfectants – preliminary findings. The Sixth Conference of the Faculty of Pure and Applied Sciences, the University of the West Indies, Mona, Jamaica; March 18-20, 2003.

PUBLICATIONS

Refereed

- * Hutton, D.G. and F.L. Edman. 2002. Cause of anthurium (*Anthurium andraeanum*) root rot and decline in Jamaica. Trop. Agric. (Trinidad) 79 (3) 61-167.

PUBLIC SERVICE

- Life Member, the Jamaican Society for Agricultural Sciences;
- Vice Chairman, the National Food and Nutrition Co-ordinating Committee of Jamaica (NFNCCJ);
- Member, National Youth in Agriculture/RADA Schools' Agricultural Programme Committee;
- Member, Publications Committee, Research and Development Dept., Ministry of Agriculture;
- Member, Minister of Agriculture Standing Committee on Research;
- Member, Bellevue Hospital Foundation of Friends.

DISTINGUISHED VISITORS

Prof. (of Tropical Horticulture) Jeffery Atherton, UWI, Cave Hill

Dr. Sam Rawlins, CAREC, Trinidad.

CENTRE FOR GENDER AND DEVELOPMENT STUDIES, MONA UNIT

**Professor Barbara Bailey, BSc, BSc (Med. Microbiology) PhD,
Dip. Ed – Head (interim)**

THE WORK OF THE UNIT

During the academic year 2002/3, the Mona Unit, Centre for Gender and Development Studies continued to fulfill its mandate of Teaching, Research and Outreach. Professor Barbara Bailey headed the Unit along with a staff complement of four comprised of. Ms. June Castello, Lecturer, Mrs. Shakira Maxwell, Asst. Lecturer, Mrs. Beverly Shirley, Senior Administrative Assistant, and Ms. Suzanne Charles, Research Assistant.

Teaching

Six undergraduate courses were taught during the 2002/3 academic year:

AR20A: Gender in Caribbean Culture I

AR21A: Introduction to Women's Studies I

AR20B: Gender in Caribbean Culture II

AR21B: Introduction to Women's Studies II

AR20M: Introduction to Men and Masculinities in the Caribbean

SY37G: Sex, Gender and Society

The courses were presented by Ms. June Castello and Mrs. Shakira Maxwell.

The Unit also participated in the Summer School programme in which three undergraduate courses – AR20M, SY37G and AR20A, were offered to students. All three courses were taught by Miss Castello.

Postgraduate Teaching

January to May 2003, Miss Castello also taught in the new distance mode *Certificate in Gender and Development Studies* programme, offered through the Regional Coordinating Unit of the Centre for Gender and Development Studies.

Miss Castello lectured to the graduate students of the Institute of Cultural Studies, February 12, 2002. The lecture was entitled “Gender: A Necessary Construct or Category of Analysis in Culture Studies”.

Other Teaching

Mrs. Shakira Maxwell represented the Mona Unit at a *Training of Trainers* workshop which dealt with curriculum development and offered strategies to facilitate the inclusion of HIV/AIDS related issues in three undergraduate courses in the first semester of academic year 2003/4. The workshop was hosted by the UWI HARP Program, Runaway Bay, St. Ann, May 4-6, 2003.

The Mona Unit was represented by Mrs. Shakira Maxwell at the annual Summer Institute hosted by the University of Maryland, College Park, held at Towson University, Maryland, June 30- July 3, 2003. The meeting was convened to review the achievements of the participants of the last two years and to determine ways in which future collaborations can be advanced.

New Course

The Mona Unit has put forward the proposal for a new undergraduate course **Philosophy of Gender** to be introduced as part of its course offerings. The original course has, on recommendation of the Gender Board of Studies, been re-formatted as two independent semester long courses each attracting six credits. The **Philosophy of Gender** course is expected to form part of the Minor in Gender and Development Studies.

SY37G – Sex, Gender and Society

As of academic year 2003/4, the undergraduate course SY37G will be offered in both semesters. This decision was taken because of the heavy student subscription to the course as well as the need to make the course more accessible to a wider cross-section of the student population, both full-time and part-time students.

Dorian Powell Prize

The Unit successfully hosted its fourth annual Dorian Powell Prize-giving ceremony, held December 16, 2002. The Prize of J\$10,000 was awarded to **Ms. Jenese Dawson** who was selected by a committee comprised of Professor Barbara Bailey, Professor Wilma Bailey and Dr. Clinton Hutton.

Mini Seminar

The Mona Unit hosted a seminar presentation by Dr. Linda Sturtz, entitled **Gendered White: Women in Eighteenth Century Jamaica** held in the Dean's Conference Room, Sir Alister McIntyre Building, March 6, 2003.

Lucille Mathurin Mair Public Lecture

Plans are underway for the Mona Unit to host its fourth biennial Lucille Mathurin Mair Public Lecture to be held in Commemoration of International Women's Day, March 11, 2004. The lecture will be delivered by Professor Michael Kimmel.

RESEARCH IN PROGRESS

New Project

- Funding is being sought to commence work on a the project entitled **“Untying the Noose; Mental Health Issues in the Caribbean: An Exploration of the Gendered Realities of Suicide in the Caribbean”**.

Caribbean Gender Ideologies: Influence, Transformation and Impact

- Ms. Suzanne Charles, Research Assistant of the Mona Unit, is the designated project coordinator for “Caribbean Gender Ideologies: Influence, Transformation and Impact”. The project is being spearheaded by the Regional Coordinating Unit and funded by the Ford Foundation. Training for focal points and field researchers was hosted in Barbados, February 11-12, 2003.
- The project examines the extent to which the lived realities of Caribbean women (and men) have changed over the last two decades, since they were studied and recorded by the *Women in the Caribbean project* (WICP).
- Mrs. Shakira Maxwell sat on the steering committee of a Project **Root Causes of Gender Based Violence** being spearheaded by the Regional Coordinating Unit.

Outreach

- Miss Suzanne Charles organized and chaired a programme in observance of the International Day Against Violence Against Women, held at the Rex Nettleford Hall, November 25, 2002. The programme discussed Gender Based Violence, with specially invited panelists from Women’s Media Watch, the University Health Centre and the Women’s Bureau. The programme was aired in part, on RJR.
- The Mona Unit and the Jamaica Family Planning Association (FAMPLAN) collaborated in the project **Men against Gender-Based Violence**. Both Ms. June Castello and Mrs. Shakira Maxwell conducted a training workshop for the FAMPLAN staff and associates. The workshop included pre- and post- evaluation of the participants’ knowledge and attitudes regarding gender. It also facilitated the development of coping skills pertaining to contemporary issues of gender based violence. The training session took place over a period of two days, May 29-30, 2003.

PAPERS PRESENTED

Maxwell, Shakira

- “Easy Prey? Female Victims of Crime in Jamaica in the late Nineteenth and Early Twentieth Centuries” History Staff/Postgraduate Seminar: UWI: November 15, 2002.
- “Violent Women: Rebuked and Scorned? Society’s Response to Female Criminals in Jamaica in the late Nineteenth and Early Twentieth Centuries” Gendering the Diaspora: Women, Culture and Historical Change in the Caribbean and the Nigerian Hinterland conference, Dartmouth College, New Hampshire, USA: November 21-24, 2002

Charles, Suzanne

- “Caribbean Ideology and Imagination, empowering Caribbean Development” at Caribbean Studies Association Conference, Belize CA: May 26-31, 2003.

PUBLICATIONS

- * Maragh-Maxwell, Shakira and Phillips, Marva: “Globalization and the Role of the Trade Unions” in *Human Resource Development and Workplace Governance in the Caribbean*: Cowell, Noel and Branche (eds): Ian Randle Publishers: 2002

PUBLIC SERVICE

June Castello

- Member, Training Committee of the Women’s Political Caucus.
- Member, Women’s Manifesto Committee

CATEGORIES OF STUDENTS

Undergraduate

Six courses were offered to undergraduate students during the academic year.

		AR20A	AR20B	AR21A	AR21B	SY37G	AR20M
Student enrolment	71	21	20	27	166	35	340

The pre-requisites of these courses remain the same and all courses carry three credits.

Postgraduate supervision

Ms. June Castello supervised the MSc thesis of Ms. Andrea Murray, graduate student of the Regional Coordinating Unit.

Miss Castello also supervised research entitled 'Kin Oonoo Teet' an 'Tan Like a Propa' Lady: Contradictions in the performance of Femininity in Miss Cauldwell 2003, carried out by Sarah Glover, a student from the School of International Training.

DISTINGUISHED VISITORS

Dr. Linda Sturtz, Associate Professor, History Department, Beloit College, Wisconsin, USA.

Ms. Pamela Golah of the Gender Unit, the International Development Research Centre (IDRC), Canada.

CENTRE FOR GENDER AND DEVELOPMENT STUDIES – REGIONAL UNIT

Professor Barbara Bailey, BSc, BSc (Med. Microbiology) PhD,
Dip. Ed – Regional Coordinator

WORK OF THE CENTRE

Introduction

The Centre for Gender and Development Studies (CGDS) has completed its ninth year as an Interdisciplinary Centre, conducting teaching, research and outreach. Although the staff establishment of the Regional Coordinating Unit (RCU) has not changed since the institutionalization of the Centre in 1993, the volume of its work has very significantly increased. The Centre has continued to grow in stature nationally, regionally and internationally since 1986, when it began as a *Project of Cooperation in Teaching, Research and Outreach in Gender and Development Studies*, supported by the Government of the Netherlands (GON) with grant funding of approximately US\$2,575,000 over three phases to develop the Gender Studies programme.

Prof. Bailey, for example, plays a pivotal role in activities related to the design and implementation of a strategy, developed by the Caribbean Community (CARICOM) Secretariat, for main-streaming gender in programmes related to human resource development, health and labour. She also continues to be involved in writing project proposals for funding some of its activities, and is, at times, invited to be responsible for the implementation of regional projects. Despite its limited resources, the work of the Centre continues to be accomplished, mainly through:

- Teaching and Research
- Consultations and training workshops
- Executing regional projects on behalf of multi-lateral agencies.

Staff

The Unit was established in 1993 with one Academic Staff member on the establishment. In addition, the Unit has had the benefit of the service of one Research Assistant, whose employment was supported by the co-operant programme of the Canadian Government through the Canadian International Development Agency (CIDA) and CUSO, a Canadian Development Agency. She has been of invaluable service from the time of her arrival in June 2001; however, she has returned to Canada.

Representations made by Prof. Bailey to the Vice-Chancellor about the volume of work in the Unit, and the impossibility of fulfilling the terms of a contract with the Government of the Netherlands to offer a Certificate Programme in Gender and Development Studies by 2002/03, resulted in the temporary appointment of Yasmeen Yusuf-Khalil, an expert in Instructional Design, Curriculum Development and Distance Education, to coordinate the development and presentation of the 18-Month Distance Certificate Programme in Gender and Development Studies. This appointment was very timely, and she has been working tirelessly at editing, rewriting and assessing courses for the programme.

Teaching & Curriculum Development

Graduate Teaching

Dr. Bailey continues to be the Coordinator of the Graduate Programme of the Centre, which offers MSc, MPhil., and PhD degrees. She also teaches and is first examiner for the course GS63B: *Gender, Education, Training and Work*.

The MSc Programme, has suffered some setbacks as several students to whom places had been offered, failed to take up the offer, or for varying reasons, have asked for postponement, or have dropped out. Three MSc students, Two MPhil. and four PhD students remain. The MSc students are preparing their research papers for submission.

Supervision of Graduates Students

Professor Bailey supervises two students from the School of Education. One MSc Student, Ms Aba Polson has submitted her thesis, titled: *Principals, Teachers and Students' Perception of Certain Attributes of the Rose Curriculum*, for examination. The other is an MPhil/PhD student, Ms

Marcia Stewart whose research towards *An Evaluation of the Associate Degree in Business Studies, Offered by Jamaican Community Colleges*, is ongoing.

Certificate Programme

The development of a 3-semester part-time Certificate Programme in Gender and Development Studies, funded by the Government of the Netherlands, continued. Course material for the second semester is to be prepared by the Curriculum Specialists Barbara Bailey and Yasmeen Yusuf-Khalil in collaboration with The University of the West Indies Distance Education Centre (UWIDEC). The programme, originally scheduled for delivery in 2001/2002, was offered for credit in Semester II of the academic year 2002/2003. Preparation of course and support material continues.

Project Proposals Developed

Gender Differentials in Performance at the Secondary and Tertiary Levels of Education Systems in Member Countries of the CDB, specifically: *An In-depth Study of Socio-Political Factors and Schooling* (CDB)

Recognising the importance of carrying out this research, the Centre continued to seek funding from various agencies, and the original proposal to the Caribbean Development Bank (CDB) was separated into sections and new proposals written by Prof. Bailey, which resulted in the following:

Funding:

- *An In-depth Study of Socio-Political Factors and Schooling* (CDB-US\$212,000).
- Establishment and analysis of a *Database on Enrolment, Participation and Performance Indicators at the Secondary and Tertiary Levels of Education Systems of CARICOM Member States* to identify significant gender differences. Canada/Caribbean Gender Equality Fund (CCGEF), Barbados and the Organisation of Eastern Caribbean States (OECS) - US\$7110.69
- Four Specialist Studies on Gender Differences related to *Outputs versus Outcomes; Alternative Pathways to Tertiary Education; Attrition/Dropout; and Demographics of School Population in Caribbean Education Systems*. Regional Canada/Caribbean Gender Equality Fund (CCGEF) CDN\$90,000. (US\$4,694)

- *Demographic Study of School Populations in Selected High Schools in Jamaica* The UWI, Mona Campus, Research and Publications (R & P) Committee (US\$4,050).

Funds from a *Project of Support of Teaching, Research and Outreach in Gender and Development Studies* sponsored by The Government of the Netherlands through the Royal Netherlands Embassy (GON/RNE-US\$6,250) provided a research grant which has facilitated the preparation by Mrs. Lynda Quamina-Aiyejina, Documentalist at the School of Education, St. Augustine, of an *Annotated Bibliography on Gender Issues in Education*. The data in this bibliography will factor into the design of the research instrument for the in-depth study cited above. The projects have all started and are ongoing.

Other Departmental Professional Activities

Prof. Bailey attended and participated in the following conferences, workshop and other related activities:

- A meeting of African Diaspora working group drawn from the USA, Brazil, Africa and Jamaica to look at issues of religion, gender and poverty sponsored by Princeton University Seminary, New Jersey, USA in Jamaica July 2003.
- A Panel on ‘Advancing Women’s Studies Trans-nationally: A Dialogue’ at a Conference on Educating for the Future: Crossing Boundaries, Building Coalitions in Graduate Women’s Studies Around the World. June 29-July 3, 2003. University of Maryland, Townson, Maryland.
- A Joint Programme Identification Study to guide the Caribbean Education Sector HIV/AIDS Response Capacity Building Programme Technical Cooperation Project hosted by CARICOM/UNESCO/IDB. April 22-23, 2003.
- A workshop on Gender and Child Labour at the 1st Caribbean Labour Policy Conference jointly organised by The Labour Studies Programme, Mona School of Business, UWI and the Centre for Industrial Relations, University of Toronto. April 2-5, 2003.
- The 6th Special Meeting (Ministers of Education) of the Council for Human and Social Development (COHSOD) where she presented a *Strategy and Work Plan for Main-streaming Gender into*

Education Systems of CARICOM Member States at. Port-of-Spain, Trinidad. March 31-April 1, 2003.

She also

- Facilitated a meeting to train field researchers from Antigua, Barbados, Belize and Guyana for data collection on a research project *Caribbean Gender Ideology: Influence, Transformation and Impact*
- Attended Consultative Committee of United Nations Fund for Women (UNIFEM) as representative of Government of Jamaica. New York. February 2003.
- Attended a UNECLAC sponsored Meeting on *Gender Socialisation and Violence in the Caribbean: Development of A Research Agenda* and presented a “Report on a Review of Gender Socialisation Research in Jamaica”. Port of Spain. December 9-10, 2002.
- Attended Seventh Meeting of the Council for Human and Social Development (COHSOD) as member of CARICOM Task Force on Gender Main-streaming. CARICOM Secretariat. Georgetown, Guyana. October, 2002.
- Attended Transformational Leadership Learning Community Workshop. UNIFEM, UN House, Barbados. October, 2002.
- Presented Strategy from CARICOM Task Force on Gender Main-streaming at Second Meeting of Directors/Coordinators of Women’s/Gender Bureaux. St. George’s, Grenada. September, 2002.

Mrs. Emmanuel attended a *Project Identification, Formulation and Management Workshop* held by the UNDP to familiarise clients with the United Nations (UN)/UNDP’s reformed approach to project identification, formulation and implementation, preparation of project reports, and to clarify the concept of logical framework analysis. Kingston, Jamaica, Knutsford Court Hotel, 16-18 July 2003.

Outreach

The Outreach Programme, one of the most important of the Centre's activities since its beginnings in 1986 as a project, continues to

expand. One of the major activities undertaken over this period is the implementation of the third and final phase of the *Women in Micro-enterprise Project*, report on below:

Training Workshops

Women in Micro-enterprise Project

This final phase aimed to empower rural women entrepreneurs by training them to run their businesses more successfully. Six workshops were held - the last two in December 2002, in partnership with the Jamaica Network of Rural Women Producers. This partnership has helped to strengthen the Network, and facilitated the marketing of the training manual, which has been reprinted, and which they use for training.

The workshops have proven to be very beneficial in providing practical advice on record keeping and information about sources of financing, and a forum where business problems could be discussed with other women entrepreneurs. A very informative news bulletin, as well as another print run of the manual have been done. Sale of the manual has earned money for the Centre, and Micro-Enterprise Financing Ltd, a micro-business financing company, has expressed interest in having the Centre conduct in-house training for their clients. The Project has now ended and a report was made to the Japanese Government through the United Nations Development Programme.

RESEARCH IN PROGRESS

Research continues in the areas of Gender Issues in Education, Development of Masculinities and Femininities, Gender-based Violence.

Caribbean Gender Ideology: Influence, Transformation and Impact— The Ford Foundation(US\$70,000.00)

This interdisciplinary research project examined the way in which the ideologies around masculinities and femininities have shifted in the last decade, factors that have influenced any perceived shifts, the impact of these ideologies on gender relations in the region, and the influence that this could have on policy formation. Data collection began in January 2003 in Guyana, Belize, Antigua and Barbados and a debriefing meeting was held in March by teleconference. The preliminary report was discussed in May at a focal point meeting, held in Jamaica.. A preliminary report on the

findings was prepared and submitted to Ford Foundation through the office of Prof. Wayne Hunte, Pro-Vice-Chancellor, Research. Five specialist papers have been completed and will be peer reviewed and published. The comprehensive report to the funding agency is also in the final stage of completion.

Root Causes of Gender-Based Violence – Canada Caribbean Gender Equality Fund (CCGEF) - CDN\$48,279

The issue of violence against women was one of the critical areas of world-wide concern in the *Platform for Action* emerging from the 4th World Conference on Women held in Beijing in 1995. This view was further reflected in a report prepared by CARICOM on the *Status of Women in the Caribbean* where it was identified as one of the five critical issues affecting women in the region.

The Regional Coordinating Unit therefore secured funding from the Local Gender Equality Fund to gather data on the possible root causes of gender-based violence in Jamaica. This research, which is ongoing, is expected to identify some of the indicators of this “culture of violence” and contribute to an understanding of the phenomenon with a view to taking action to reduce the incidence of such violence. The long term aim of the research is “to inform national policy and to promote public education programmes, and interventions aimed at significantly reducing the occurrence of gender violence”.

Gender Training and Research (Japan Fund for Women – US\$200,000)

The Regional Coordinating Unit of the CGDS was invited by the Embassy of Japan to submit a proposal to support the Centre’s distance education programmes, the development of a database and web site which will allow access to current research on Caribbean issues to policy analysts, planners, and international development agencies. The Japan/Women in Development (WID) Fund, has provided funding for the proposal, which includes as well, a research project to examine gender-based violence as it relates to *Gender Socialization, Violence and the Education System*. Project activities began in June 2003.

Canada/Caribbean Gender Equality Fund (Jamaica)/UNIFEM.
Development of Gender Training Modules for Women in Middle Management
US\$48,539.00

Awareness of the need to use Gender analysis as a strategy for bringing about change and transformation in organisational structures is growing both internationally and regionally. In response to long-term plans put in train by certain United Nations agencies and the World Bank, to enable national planners to formulate gender-responsive, pro-poor, and environmentally sustainable policies, programmes and projects, the CGDS/RCU has sought to meet this need regionally by holding a training workshop to enhance the skills of writers of training material for dual mode delivery. These writers have developed one module - *Gender and Management* and are in the process of completing the second - *Gender Issues in the Caribbean*. They will be edited and published and used for training of Middle level managers.

PAPERS PRESENTED

Bailey, Barbara

- “A Case Study on Gender-Sensitive Educational Policy and Practice in Jamaica”. Education for All Global Monitoring Report. International Bureau of Education (IBE). UNESCO: Geneva, Switzerland, May 2003.
- (with Heather Ricketts). “Gender Vulnerabilities in Labour Market Relations and Decent Work Provisions: Policy Implications and Direction”. First Caribbean Labour Policy Conference jointly organised by The Labour Studies Programme, Mona School of Business, UWI, Mona, Jamaica, April 2-5, 2003.
- “Relations of Gender in the Caribbean: Education, Work and Citizenship”. Regional Workshop on Gender Analysis for the Association of Oil and Natural Gas Industry in Latin America and the Caribbean (ARPEL). Kingston, Jamaica. March 12-13, 2003.
- “Educational Outputs: Links to Economic, Political and Citizenship Outcomes for Caribbean Women”. UNESCO’s Regional Consultation on Main-streaming Gender for Development. UWI, Mona. January 30-31, 2003.
- (with Elsa Leo-Rhynie) “Engendering Governance: Strategies for Promoting Gender Equity” (with special reference to increased participation of women in government). Mona Academic Conference 2002. UWI, Mona Campus, August, 2002.

- “Women, Work and Wages in the Private & Public Sectors: The Links to Educational Attainment.” Jamaica Teachers’ Association 38th Annual Conference, Women’s Caucus. Renaissance Jamaica Grand Resort, Ocho Rios, St. Ann, Jamaica. August 20, 2002

PUBLICATIONS

Refereed

Bailey, Barbara

- * “Globalisation and labour market transformation: Implications for women’s human resource development”. In: (eds.) Noel M. Cowell and Clement Branche. *Human Resource Development and Workplace Governance in the Caribbean*. Kingston, Jamaica: Ian Randle Publishers, 2002.
- * “Gendered education, fact or fiction: the realities in a secondary level classroom”. In: (ed.) Mohammed, P. *Gendered Realities: Essays in Caribbean Feminist Thought*. Kingston, Jamaica: The UWI Press, 2002.
- * *A Review of Gender Issues in the Dominican Republic, Haiti and Jamaica*. Report No. 21866-LAC. Washington, DC: The World Bank.

Non-Refereed

- * “Gender as a Cross-Cutting Theme in Human and Social Development”. In: *Caricom View: Investing in Our Human Resources*. Georgetown, Guyana. CARICOM Secretariat. 2003. pp.12-14
- * “The Feminisation of Tertiary Education”. In: A Woman’s Place. *YouWe: Quality Education Forum*, No.8. 2002. Kingston, Jamaica: The University of the West Indies. pp.3-5.
- * “Educational Outputs: Links to Economic, Political and Citizenship Outcomes for Caribbean Women”. Paper presented at UNESCO’s *Regional Consultation on Main-streaming*

Gender for Development. Mona Campus, University of the West Indies. January 30-31, 2003.

PUBLIC SERVICE

- Member, Project Advisory Committee for Jamaica of the Canada/Caribbean Gender Equality Fund (CCGEF)
- Member, UNFPA Planning Committee for launch of 2002 State of the World Population Report
- Government of Jamaica's representative, Consultative Committee of the United Nations Development Fund for Women (UNIFEM).

CATEGORIES OF STUDENTS

Postgraduate Students

Three MSc students
Two MPhil
Four PhD

Distance Certificate Students

First intake of 15 students

DISTINGUISHED VISITORS TO THE CENTRE

The Hon. Mrs. Justice Norma McIntosh, Supreme Court of Jamaica

Mr. Naresh Singh, CIDA, Ottawa

CENTRE FOR MARINE SCIENCES

George F Warner, BSc *London*, PhD *UWI* – Director

WORK OF THE CENTRE

Coastal habitats, in particular coral reefs, continue to be the focus of our work which includes pure and applied research as well as management issues, addressed through both academic routes and public service.

Examples of our involvement in management and applied research issues include help provided to NEPA by Scientific Officer **Mr Peter Edwards** in the matter of mangrove replanting in Kingston Harbour; Data Manager **Mrs Dulcie Linton's** invited and fully funded participation in international coastal management workshops in Miami and the Philippines; Discovery Bay Marine Laboratory Head, **Dr Norman Quinn's** editorial work on the book *Aquatic Knowledge and Fishing Practices in Melanesia*, undertaken with colleagues in Papua New Guinea; and Chemistry graduate student **Ms Debbie-Ann Ramsay's** poster on groundwater seeps into Discovery Bay which won the Top Poster Prize in the UWI Mona Science Faculty Conference, March 11-13, 2003.

New facilities and equipment at DBML

Improved facilities at Discovery Bay have included the conversion of the old Library into a lecture room, while the Library itself has been moved into one of two new rooms constructed in the adjacent corridor. This room now doubles as a financial office, providing better security for the Library. The second "corridor room" is available for small group meetings. The new lecture room has been receiving favorable comments from visitors.

An informal ceremony was held at DBML in August 2002 to name the four new “Workskiff” aluminum boats purchased for us by UWI. The Rev. Donald Lawrence gave the blessing and named each boat as follows: *Scomber* i.e. “mackerel” (23ft), *Panulirus* i.e. “lobster” (21ft), Seahorse (21ft) and *Dasyatis* i.e. “sting ray” (16ft). In attendance were the Principal of the Mona Campus Professor Kenneth Hall, Deputy Bursar Mr Herman McDaniel, Dean of FPAS Professor Ronald Young, Emeritus Professor Ivan Goodbody, a contingent from the US Peace Corps including new volunteers, and staff, students and friends of CMS and DBML. After the naming, trips around the bay in the new boats were provided by Lab staff.

Staff matters

August 2002 was the final month of Ms Cho-Ricketts’ part-time employment in CMS working as Research Assistant on our joint project with the University of Delaware (see below, course development). She left to take up appointment as Director of the Coastal Zone Management Institute in Belize. Data Analyst Tatum Fisher left in June 2003 after two years with our Caribbean Coastal Data Centre (CCDC) to take up a job as Science Officer in the Turks and Caicos Islands. We congratulate them both on their career advancement and look forward to future collaboration. We welcome Mrs Samantha Cowan who joined DBML in June as Administrative Supervisor, replacing Mrs June Lawrence who has resigned to relocate to the USA. We thank Mrs Lawrence for 10 years of exemplary service and wish her well in her new life.

Workshops and Seminars

CMS Seminar Series

Nine seminars were presented during Semesters 1 and 2, the series being organized by Mr Peter Edwards. These were:

- A brief study of the coral reef fisheries at Ocho Rios: Dr Warner, CMS.
- 2002 report on the state of the coral reefs in the Northern Caribbean: Mrs Dulcie Linton, CMS.
- Geological features of the Cayman Trough: Ms Debbie-Ann Rowe, Geology.

- Beach sand analysis of Jamaican beaches: Ms Shakira Khan, Geology.
- The recent dredging of Kingston Harbour: Mr Sean Green, NEPA
- Port Royal as a Focal Point for Marine Biodiversity: Professor Ivan Goodbody, Life Sciences.
- Nutrient Concentrations in Discovery Bay: Dr Anthony Greenaway, Chemistry.
- Highlights of the Integrated Coastal Management course held during January at the University of Miami: Mr Marlon Hibbert, CMS, and Mr Jerome Smith, NEPA.
- Investigations in the deep sea around Jamaica: Professor Ivan and Mrs Charlotte Goodbody, Life Sciences.
- The status of crocodiles in Jamaica: Ms Josette La Hee, NEPA.

Seminar on the Discovery Bay Ecosystem Management Project (DBEMP)

Presentations were given at DBML concerning the environment of Discovery Bay.

- Historical perspective and review of DBEMP: Dr Jeremy Woodley, CMS Associate.
- Nutrient contamination in Discovery Bay: Dr Anthony Greenaway, Chemistry.
- DBML and its efforts with fishers in the Fisheries Improvement Programme: Mr Peter Gayle, DBML.
- Analysis of sediment cores from Columbus Park Reef: Dr William Precht, Northeastern University, USA.

In attendance were a group of Executives from Kaiser Bauxite, staff of CMS and DBML and other visitors to DBML. DBEMP was funded by Kaiser Bauxite in 1995-98 and we hope that this seminar will mark the resumption of closer collaboration between DBML and Kaiser.

Workshop and Seminar on “Impact and Amelioration of Sediment and Agrochemical Pollution in Caribbean Coastal Waters” June 13 and 26, 2003.

These events were organized by CMS through our DFID-funded project of this name which terminated in June. Participants at the Workshop included our colleagues on the project (CARDI, Caribbean Coastal Area Management, Chemistry Department, CMS, Life Sciences Department, MRAG UK Ltd., Pesticide Control Authority Jamaica, and representatives from St Lucia) and at the Seminar also included MAFF, NEPA and RADA to disseminate the findings to a wider audience. Presentations at the Seminar included those by Dr D. Webber (Life Sciences), Mr P. Edwards (CMS), Mr L. Simpson (CARDI) and Prof T. Dasgupta (Chemistry).

Workshop to create the Jamaica Coral Reef Monitoring Network (JCRMN).

As one of the activities under our UNEP grant, a meeting was organized in July 2003 by the CCDC at DBML to bring together all those in Jamaica who are involved in coral reef monitoring. Representatives of the following organizations participated: CMS, Coast Guard, DBML, Institute of Jamaica, Jamaica Sub-Aqua Club, Mainstreaming Adaptation to Climate Change, Montego Bay Marine Park, National Environment and Planning Agency, Negril Marine Park and the University Sub-Aqua Club. Each organization gave a brief presentation, and this was followed by a general discussion on gaps in knowledge and constraints to monitoring. An e-group has been formed and a plan for future monitoring will be developed by CCDC.

GRANTS & DONATIONS

Coordination and reporting of coral reef monitoring

50,000 \$US to the CCDC from the United Nations Environment Program (UNEP) to coordinate the Northern Caribbean and Atlantic Node of the Global Coral Reef Monitoring Network (GCRMN), establish reporting links, facilitate coral reef monitoring, report coral reef status in the region and to prepare a proposal for sustainability of these activities.

Pelagic Fishery Development - A Long-Line Training Programme

US\$2600 donated to DBML from the Peace Corps Special Projects Assistance Program to train Discovery Bay fishermen in techniques of offshore fishing and marketing options and to collect data on pelagic fish stocks.

The International Society for Reef Studies (ISRS) Library Awards for 2003.

The following books: *Corals of the world* by JEN Veron and M Stafford-Smith; *Soft Corals and Sea Fans* by K. Fabricius and P. Alderslade; *Systema Porifera* by J Hooper and R van Soest; *Proceedings of the 9th International Coral Reef Symposium*, Bali, Indonesia, 2000; *Perspectives on Coral Reefs* edited by D Barnes, and subscriptions to the ISRS journal *Coral Reefs* and ISRS newsletter *Reef Encounter* for the triennium 2003-05; were awarded to DBML by ISRS based on criteria of relevance of our mission to coral reef studies, the number of people who would be likely to make use of the materials, the quality of arrangements for access and the track record of contributions made by the institution so far.

Ford Explorer donated by CWIP (USAID/GOJ)

This 1999 vehicle, bought in early 2000 for our CWIP projects in coastal water quality monitoring and implementation of community initiatives in coastal zone management, has now been signed over to CMS, UWI, and will be used initially at DBML to facilitate transport to research sites along the north coast.

RESEARCH IN PROGRESS

Mr P M H Gayle

- Coastal ecosystem monitoring under the CARICOMP protocol.
- Video-monitoring of deep reefs.

Dr A M Greenaway & students

- Water quality in the Great River, Black River and other coastal sites including Discovery Bay.

Dr M P Haley & students

- Habitat use by reef fishes of artificial reefs.

- Grazing patterns of different species of sea urchins on algae-covered reefs.
- Studies on coral abundance on offshore coral reefs.

Mrs D M Linton

- Management and analysis of coral reef and other coastal monitoring data.

Dr N J Quinn

- Settlement of lobsters and corals.
- Temperature fluctuations in coastal waters, including Papua New Guinea.
- Melanesian fishing practices.
- Pelagic fish stocks off Discovery Bay.

Dr G F Warner & students

- Taxonomy and ecology of black corals on Jamaican reefs.
- Breeding of pelicans in Kingston Harbour: effects of pollution and management issues.
- Grazing of herbivores (parrot fish, sea urchins) on coral reef algae.

**Dr D F Webber & collaborators in CMS, CARDI,
Dept of Chemistry and students**

- Coastal oceanography in embayments
- Impact and amelioration of sediment and agrochemical pollution on Caribbean coastal waters.

PAPERS PRESENTED

- Campbell, K.P. & Greenaway, A.M. “Water quality of the Great River watershed”. 6th Biennial Conference of the Faculty of Pure & Applied Sciences, UWI Mona. March 18-20, 2003.
- Creary, M., Walling, L., Green, S. & Wilson Kelly, P. “Coral reef monitoring for climate change impacts”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.

- Edwards, P.E.T. & Fisher, T.C. “Coral reefs, are they really that important?” SRC 16th Annual Conference: Science and Technology for Economic Development: Towards health, Wealth and Knowledge, November 28-30th 2002, Kingston.
- Gayle, P.M.H. “CARICOMP monitoring at Discovery Bay”. CARICOMP Site Directors Meeting, Nov 30-Dec 6 2002, Grand Cayman. (Funded by CARICOMP).
- Gayle, P.M.H. “Transplantation of benthic species as a strategy for mitigating the anthropogenic impacts of coastal development”. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean, 14-18 July, 2003, Trinidad.
- Gayle, P.M.H., Wilson-Kelly, P. & Green, S. “Dredging and coral relocation at Rackham’s Cay”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.
- Gayle, P.M.H., Woodley, J & Sary, Z. “Fisheries management measures instituted at Discovery Bay, Jamaica, with special reference to establishment of the fisheries reserve and subsequent activities to develop the local fishery”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.
- Greenaway, A.M. “The Great River Water Quality Monitoring Programme”, AGM Great River Watershed Management Committee, 6th November 2002, Montego Bay.
- Greenaway, A.M. “Nutrient removal technologies and wastewater management. AND Nutrient dynamics and the impact of nutrients on the marine environment”. UNEP/IMA's Regional Training workshop, 9-13 December 2002, Trinidad.
- Greenaway, A.M. “The CWIP Port Antonio Coastal Water Quality Monitoring Programme: a report of the results. AND A framework for an effective Governance system: The Annotto River Streambelt”. CWIP workshop, April 30-May 1, Port Antonio.
- Linton, D.M. “Participant. Reefs at Risk in the Caribbean: Threat Assessment Workshop”. Oct 22-24 2002, Miami, Florida. (Funded by Reefs at Risk).
- Linton, D.M. “Progress at the Caribbean Coastal Data Centre”. CARICOMP Site Directors Meeting, Nov 30-Dec 6 2002, Grand Cayman. (Funded by CARICOMP).

- Linton, D.M. “The Caribbean Coastal Data Centre: Regional Data Archiving, Information Generation and Dissemination for Sustainable Management of Coastal Resources”. International Tropical Marine Environmental Management Symposium (ITMEMS) March 17-20 2003, Manila, Philippines. (Funded by UNEP).
- Quinn, N.J. “Biological evidence for diminished nursery capacity in Discovery Bay marine communities”. 6th Biennial Conference of the Faculty of Pure & Applied Sciences, UWI Mona. March 18-20, 2003.
- Quinn, N.J. “Have good land management practices protected essential coastal nurseries? Case Study: Discovery Bay, Jamaica”. National Scientific Conference on the Environment (JIEP), April 9-10, 2003, Kingston.
- Quinn, N.J. “Using *Panulirus argus* pueruli as a biological indicator of inshore marine community health”. 1st International Conference on Coastal Zone Management, 5-7 May 2003, Cuba.
- Quinn, N.J. “More evidence that Caribbean *Acropora* coral populations are in trouble – a view from the maternity ward”. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean, 14-18 July, 2003, Trinidad.
- Quinn, N.J. & Kojis, B.L. “Biological evidence for diminished nursery capacity in Discovery Bay”, Jamaica. 55th Annual Meeting of the Gulf & Caribbean Fisheries Institute, Xel-Ha, Mexico, 11-15th November 2002.
- Townsend, S.E., Maxam, A.M. & Webber, D. “The dispersal of phytoplankton along the coastal embayments, Hellshire coastline, St. Catherine, Jamaica”. 6th Biennial Conference of the Faculty of Pure & Applied Sciences, UWI Mona. March 18-20, 2003.
- Warner, G.F. “US-Caribbean Cooperation in Integrated Coastal Management”. ALO (USAID) Synergy in Development Meeting 12-14 August 2002, Washington DC. (Funding from ALO Grant).
- Warner, G.F. “CARICOMP, the Caribbean Coastal Marine Productivity program”. Netherlands Antilles Coral Reef Initiative meeting, Oct 23-29, 2002, Curacao. (Funding from Reef Care Curacao).

- Warner, G.F. “Protection of the marine environment with special reference to fisheries”. Jamaica Fishermen Cooperative Union Ltd meeting: Fishing for Prosperity and Sustainability, 7 November 2002, Kingston.
- Warner, G.F. “Mangrove Wetlands: Use and Abuse”. World Wetlands Day at, Birdlife Jamaica and the Montego Bay Marine Park, Feb 1 2003, Montego Bay Marine Park
- Warner, G.F. “The Work of the Centre for Marine Science”, SRC Research & Development Group meeting, Feb 12 2003, Kingston.
- Warner, G.F. “The CARICOMP Data Centre”. Caribbean Sea Environmental Assessment workshop, 26-30 May, 2003, Trinidad. (Funding from The Cropper Foundation).
- Warner, G.F. “Occurrence and distribution of black corals (Antipatharia) from Jamaican deep reef environments”. 31st Scientific Meeting of the Association of Marine Laboratories of the Caribbean, 14-18 July, 2003, Trinidad.

PUBLICATIONS

Refereed

- * CARICOMP [GF Warner *et al*] (2003). Status and temporal trends at CARICOMP coral reef sites. pp 325-330 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.
- * CARICOMP [DM Linton *et al*] (2003). The Caribbean coastal marine productivity program (CARICOMP) database: potential for data mining and comparisons of Caribbean-wide datasets. pp 901-908 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.
- * Cho, L.L. & Woodley, J.D. (2003). Recovery of coral reef at Discovery Bay, Jamaica and the role of *Diadema antillarum*. pp 331-338 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.

- * Crabbe, M.J.C., Mendes, J.M. & Warner, G.F. (2002) Lack of recruitment of non-branching corals in Discovery Bay is linked to severe storms. *Bull. Mar. Sci.* 70: 939-945.
- * Cumming RL, MA Toscano, ER Lovell, BA Carlson, NK Dulvy, A Hughes, JF Koven, NJ Quinn, HR Sykes, OJS Taylor & D Vaughan (2003). Mass coral bleaching in the Fiji Islands, 2000. pp 1161-1168 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.
- * Haley M. and Clayton A. (2003) The role of NGOs in environmental policy failures in a developing country: the mismanagement of Jamaica's coral reefs. *Environmental Values*, 12:29-54.
- * Linton, D.M. & Warner G.F. (2003). Biological indicators in the Caribbean coastal zone and their role in integrated coastal management. *Ocean & Coastal Management*, 46: 261-276.
- * Woodley, JD and Z Sary (2003). Development of a locally-managed fisheries reserve at Discovery Bay, Jamaica. pp 627-634 in MK Kasim Moosa, S Soemodihardjo, A Nontji, A Soegiarto, K Romimohtarto, Sukarno and Suharsona, (eds). *Proceedings of the 9th International Coral Reef Symposium*.

Non-Refereed

- * Clayton A. & Haley M. (2003) Policy Problems and the Protection of the Marine Environment; are NGOs the solution...or part of the problem? *The Gleaner*, January 17.
- * Haley, M. & Clayton, A. (2002). Fishing is destroying Jamaica's coral reefs. E3, *The Gleaner*, December 18.
- * Linton, D., Smith, R., Alcolado, P., Hanson, C., Edwards, P., Estrada, R., Fisher, T., Gomez Fernandez, R., Geraldles, F., McCoy, C., Vaughan, D., Voegeli, V., Warner, G. & Wiener, J. (2002) Status of Coral reefs in the Northern Atlantic and Caribbean Node of the GCRMN. pp 277-302 in C. Wilkinson (ed) *Status of Coral Reefs of the World: 2002*. Australian Institute of Marine Science.

- * Quinn, N.J. & Downer, E. (2002) The 2002 Jamaican Game Fishing Tournament Results. *DBML Technical Report* 02/01, pp. 22.
- * Quinn, N.J. & Kojis, B.L. 2002. Biological evidence for diminished nursery capacity in Discovery Bay, Jamaica. 55th Annual Meeting of the Gulf & Caribbean Fisheries Institute, Xel-Ha, Mexico, 11-15th November, Abstract, p119.
- * Quinn, N.J. & Lawrence, J (eds.) *Discovery Bay Marine Lab Annual Report* 2003. pp. 12.

PUBLIC SERVICE

P.E.T. Edwards

- Scientific Advisor, Kingston Harbour Mangrove Replanting Steering Committee

P.M.H. Gayle

- Member, Ocho Rios Environmental Advisory Group

D.M. Linton

- Member, Steering Committee, Caribbean Coastal Marine Productivity program

N.J. Quinn

- Member, Jamaican Hotel and Tourist Association, Ocho Rios
- Member, St. Ann's Bay Chamber of Commerce

G.F. Warner

- Member, National Council for Ocean and Coastal Zone Management
- Member, Scientific Authority for CITES
- Member, Advisory Board, Natural History Division, Institute of Jamaica
- Member, Steering Committee, Caribbean Coastal Marine Productivity program

STUDENTS AND TEACHING

Postgraduate students registered with CMS, 2002/3

	MPhil	PhD
Conducting fieldwork	3	1
Writing up	2	1
Submitted	2	2
Awarded degree in 2002/3*	–	1
Total	7	5

*The PhD Degree in Marine Sciences was awarded to **Judith Mendes**. Her thesis research “Skeletal density banding in the stony coral *Montastraea annularis*” was supervised by Dr J.D. Woodley.

Teaching contributions by CMS

- Marine components in the Life Sciences MSc Biological Approaches in Ecosystem Management
- Coral reefs in BL31F Benthic Marine Communities
- BL20L Diving Technology for Aquatic Scientists
- Underwater Photography courses at DBML

Course development

Masters Level distance-learning module in Integrated Coastal Management, in collaboration with the Centre for the Study of Marine Policy, University of Delaware, USA (funded by ALO, USAID).

EARTHQUAKE UNIT

Margaret D. Wiggins-Grandison BSc *UWI*, MS *Athl. U*
– Research Fellow in Seismology

WORK OF THE DEPARTMENT

The beleaguered old building housing Stony Hill seismograph station was completely refurbished at a cost of about \$536,000.00. Globe Insurance Company W.I., Ltd. donated the money in September 2002 and the station was re-opened on March 12, 2003. The structure was strengthened, fitted with a slab roof, re-wired, painted, and the floor was tiled. In addition, a metal door was installed and the building was insulated and air-conditioned to protect the instruments not only from possible intruders, but also from excessive temperature fluctuation and humidity. It was quite a unique opening ceremony as seido-karate instructor, Tony Robinson broke a cement block (JBS certified) with one deft stroke of his bare hand as Globe's Managing Director, Evan Thwaites, other Managers of Globe, EQU staff and journalists observed. Jamaica's first **broadband seismograph** and various other earthquake recording equipment were displayed and their uses explained to the audience. A plaque was placed near the entrance to the building commemorating Globe's contribution to its restoration.

Also in 2003, the Earthquake Unit (EQU) was designated **Jamaica's National Data Centre (NDC)** of the United Nations' Comprehensive (Nuclear) Test-Ban Treaty Organization (CTBTO). As such the EQU will be linked by VSAT to the CTBTO's International Data Centre (IDC) in Vienna, and have direct access to near-real time data from the CTBTO's International Monitoring System (IMS). The IMS consists of globally distributed networks of state-of-the-art geophysical instruments providing uniform monitoring of seismic, hydroacoustic, infrasound, and radionuclide energyfields. Through the EQU, interested Jamaican

Government agencies and research institutions can have access to these data. The site for the VSAT has been selected and approved by the CTBTO Communications Manager who visited the Unit in July. Local estimates for its preparation were obtained, license applications were submitted to the local authorities, and a timetable for establishing the link was prepared.

Earthquakes recorded

Four hundred and thirty (430) earthquakes were recorded by the Jamaica Seismograph Network (JSN) during this period. Just over half of these occurred in Jamaica (171) and near to Jamaica (48 within approximately 400 km), 61 within the Caribbean Basin, and 90 were extra-regional events (see double pie chart). The remaining 60 events were attributed to local explosive operations, possibly mining or road construction. One hundred and fifty-four (70%) of the local and near events were located, including eight felt events, three of which occurred in close succession on August 10, two in October, and one each in January, May and July 2003 (see table of felt earthquakes). The largest of these was the event of August 10 at 01:22 am EST that had a magnitude of 4.6, which was strong enough (Intensity V) to awaken many in eastern and central parishes.

Jamaica Seismograph Network (JSN)

The island's first broadband seismograph was installed in March 2003 at Stony Hill to coincide with the re-opening of that station. This instrument is expected to boost significantly the earthquake detection and research capabilities of the JSN and the EQU. The station at Portland Cottage (PCJ) was upgraded to three-components on June 26, 2003, increasing the number of three-component stations within the JSN to four. Eighty (80) trips were made during this period to improve, maintain and repair remote seismic and telemetry equipment. Four stations, STH, GWJ, HOJ and YHJ performed well in spite of inclement weather conditions (see station performance bar chart). These stations and MBJ showed improved performances compared to the same period last year. In particular, HOJ and YHJ improved markedly, with YHJ recording over 50% of earthquakes recorded for the first time. Seven stations had declining performances recording less than 50% of the earthquakes. For MCJ and PCJ the declines were significant as they both recorded over 50% in 2001-2002. BBJ, BNJ, CVJ, NEJ and MBJ continued to perform below

par. We continued to experience problems associated with our north-eastern stations as CMJ in Castle Mountain, Portland, recorded nothing over the past two years. This year the problem was exacerbated as BBJ in Bamboo, St. Ann, and BNJ in Bonny Gate, St. Mary, also failed to record any earthquakes. This was caused by the unfortunate disconnection in July 2002 of the power supply (which is the responsibility of the agency leasing the building) at BNJ, which is the retransmission node for BBJ and CMJ signals. These three stations have underperformed in the past because of transmission difficulties due to poor line-of-sight in this mountainous part of the country. As technical staff continue to wrestle with this issue, portable instruments were installed at two of the sites. The digital portable ORION instrument at Green Hill was damaged apparently by lightning and was repaired by the manufacturers at cost of over USD1400.00 (some of which is to be recovered from insurance).

Jamaica (Digital) Accelerograph Network

The remaining two digital accelerographs were installed in Mandeville and Port Antonio bringing the number of these instruments installed across the country to eight, seven Etna-types and one K2. The accelerographs at STH and Mona Campus recorded the earthquakes of August 10, 2002 at 01:22 and 01:58 a.m. representing one of our first digital acceleration recordings of a strong earthquake since the installation of the instruments (see accelerogram attached). Unfortunately, the instrument at Port Antonio did not record the earthquakes, as it was out of order at the time due to protracted power problems at the site. One Etna instrument has been damaged by lightning and needs to be sent to the manufacturers for repair.

Global Positioning System network

In collaboration with Professor Charles de Mets of the University of Wisconsin at Madison, USA, a network of 20 Global Positioning System monuments has been established across Jamaica starting in 1999. Geodetic-grade receivers are installed at these sites to collect precise location data, which is used to study crustal velocities and ultimately, the neotectonic behaviour of Jamaican faults. Continuous recording takes places at two sites, in south and central Jamaica, from which data are collected monthly. During this period, the portable instrument was installed in turn at eleven sites, where it is normally left for seven to ten days each. The portable receiver was unavailable for a few months as it was damaged and had to undergo repair at the manufacturer.

Staff

Raymond Stewart (BSc-Geology) was appointed Seismic Analyst in January 2003. Raymond had been acting in the post since May 1999. Karleen Black (BSc-Geology) was recruited in an, 'acting' capacity bringing the staff complement to six, but it is hoped that her eventual appointment will strengthen the research capability within the EQU. Florin Ionica spent three months study leave in Romania, where he continued working towards a PhD in the field of seismic data transmission.

Teaching

During Semester II, Jan to April 2003, M. Wiggins-Grandison taught 'Applied Geophysics' (GL36A) at the Department of Geography and Geology. Seven (7) students completed the course.

RESEARCH IN PROGRESS

Wiggins-Grandison, M.D

- Inversion of local earthquake primary and secondary wave travel times to develop an average flat-layered crustal velocity model for Jamaica.
- (with Ojeda Carriazo, A) Mapping lateral heterogeneities in the Jamaican crust using local earthquake tomography.
- Receiver function analysis to determine the depth and nature of the crust-mantle transition for Jamaica.
- Determining the Jamaican crustal stress regime from inversion of earthquake fault-plane solutions.
- (with DeMets, C.) Determination of slip velocities on local faults that may be associated with local tectonic activity and wider Caribbean – North American Plate motions.

Ionica, F.

- Expanding the capabilities for data downloading in the Jamaica Strong Motion Network using GSM modems in the frame of existing GSM networks in Jamaica.

PAPERS PRESENTED

- * DeMets, C and **Wiggins-Grandison, M.D.** “Measurements of Slip Rates on Jamaican Faults”, Faculty of Pure & Applied Sciences, Mona, Conference, March 18-20, 2003, Mona Campus, UWI, (poster).
- * **Wiggins-Grandison, M.D.** and Ojeda Carriazo, A. E., A First Tomography of Jamaica, Seismological Society of America AGM, April 29 to May 2, 2003, San Juan, Puerto Rico, 17 pp.

PUBLICATIONS

Refereed

- * “Crustal velocity model along the southern Cuba margin: implications for the tectonic regime at an active plate boundary”. B. Moreno, **M. Grandison**, K. Atakan. *Geophysical Journal International* 151 (2002): 632-645.

OUTREACH

- November 2002 - Old Dramatic Theatre, UWI, (staff) Annual Earth Day exhibition organized by the Department of Geography and Geology
- November 2002 – CTBTO Caribbean Workshop, Runaway Bay HEART Academy, Jamaica, (Wiggins-Grandison) an invited talk on Seismic Monitoring in Jamaica, hosted by the Ministry of Foreign Affairs and Foreign Trade.
- January 12 to 18, 2003, Earthquake Awareness Week activities:
 - Media interviews:* (Wiggins-Grandison) Jamaica Observer, KLAS FM89 - First Edition (host Easton Douglas); JIS TV; KLAS FM - My Place (host Tony Young); Power106 - Nationwide (Cliff Hughes).
 - Talks:* (Wiggins-Grandison) “Jamaica's Vulnerability to Earthquakes”: 2:00 pm, St. Andrew High School Geography Club; 4:00 pm, Registrar of Companies

Tours of the Earthquake Unit and Central Recording Station by School Groups: (Staff)

School of Hope (22 students, 3 teachers)

Holy Childhood High School Geography club (15 students, 1 teacher)

Drews Avenue Primary School (5 students 1 teacher)

Green Park Primary and Junior High, Sandy Bay, Clarendon (25 students, 4 teachers)

St. John's Primary School, Spanish Town (104 students, 3 teachers)

Allman Hill Primary and Junior High School (26 students, 1 teacher)

Donald Quarry High School (18 students, 2 teachers)

- March 30 to April 4, 2003: M. Wiggins-Grandison attended the seventh “Introductory On-site inspection training workshop at the (United Nations) Comprehensive (Nuclear) Test-Ban Treaty Organisation (CTBTO) in Vienna, Austria, nominated by Ministry of Foreign Affairs & Foreign Trade
- June 2003, Disaster Preparedness Month (staff), exhibition “Risk Management: the new culture”, at the Portmore Mall, organized by the Office of Disaster Preparedness and Emergency Management (ODPEM)

DISTINGUISHED VISITORS

Gordon Arnold, Marketing Manager, Globe Insurance Company (W.I) Ltd.,

Ambassador Wolfgang Hoffman, Executive Secretary, United Nations Comprehensive (Nuclear) Test-Ban Treaty Organisation (CTBTO), Vienna, Austria,

Ali Bi, CTBTO Preparatory Commission, Vienna, Austria

Sheila Sealy-Monteith, Ministry of Foreign Affairs & Foreign Trade, Jamaica

Gerald Desmuelles, Communications Dept., CTBTO.

Felt Earthquakes

Date	Time (EST)	Location	Magnitude & Industry	FeltAreas
August 10, 2002	01:22 am	Offshore eastern Jamaica	4.6 maximum intensity V	Kingston & St. Andrew, Portland, St. Catherine & Clarendon
August 10, 2002	03:58 am	east Jamaica	4.2	Kingston & St. Andrew, Portland, St. Catherine & Clarendon
August 10, 2002	03:59 am	east Jamaica	3.7	Kingston & St. Andrew, Portland and St. Catherine
October 8, 2002	10:27 pm	Red Hills, St. Andrew	2.7	Kingston & St. Andrew
October 10, 2002	05:57 pm	Blue Mountain Ridge, Portland	3.4	New Kingston, St Andrew
January 30, 2003	10:14 am	Silver Hill Peak, Portland	3.8 Intensity III to IV	widely felt in Kingston & parts of St. Andrew
May 14, 2003	08:54 pm	Cockpit Country, Trelawny	3.7 maximum intensity IV to V, in Trelawny	Kingston & St. Andrew, St. Catherine, Clarendon, St. James and Trelawny
July 19, 2003	06:07 pm	Eastern Jamaica	3.4 intensity II	felt by a few favourably placed individuals in the parish of St. Andrew

ELECTRON MICROSCOPY UNIT

Klaus W. Wolf, PhD – Head of Unit

WORK OF THE UNIT

The Electron Microscopy (EM) Unit, Mona has been instrumental throughout the 2002/2003 academic year in helping Researchers and other Interest Groups to achieve their goals of obtaining results in and gaining a better understanding of Electron Microscopy. Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), Optical Microscopy (OM) and one case of Macrophotography (MP) were all used to benefit Researchers on and off the Mona campus, Postgraduate-, Undergraduate-, and High School-students, recent Inductees to the University of the West Indies and Representatives of an international producer of scientific instruments. Tables 1 and 2 indicate respectively, services that the EM Unit has provided and Interest Groups that have gained improved understanding of EM, via tours and demonstrations conducted at the EM Unit.

Tab. 1: Services provided by the EM Unit during the academic year 2002/2003

Specimen	Technique	U.W.I Institution / External Partner
Corixid insect	OM	Scientific Research Council, St Andrew
Fungi in yam tubers	OM	Dept. of Life Sciences, U.W.I., Mona
Human red blood cells	OM	Dept. of Basic Med. Sciences, U.W.I., Mona
Penicillium slides	OM	Dept. of Life Sciences, U.W.I., Mona

Plant parasitic nematodes	OM	Dept. of Life Sciences, U.W.I., Mona
Soil particles	OM	University of Technology, St Andrew
Weld pellets	OM	University of Technology, St Andrew
Coconut embryos	OM	Coconut Industry Board / Dept. of Basic Med. Sciences, U.W.I., Mona
Whelks (marine snails)	MP	Centre for Marine Sciences
Black corals	SEM	Centre for Marine Sciences
Ceramics	SEM	Dept. of Physics, U.W.I., St Augustine
Fossilized crustacea	SEM	Dept. of Geology & Geography, U.W.I., Mona
Marine carbonate sand	SEM	Dept. of Geology & Geography, U.W.I., Mona
Rat femur	SEM	Dept. of Basic Med. Sciences, U.W.I., Mona
Fungi in yam tubers	TEM	Dept. of Life Sciences, U.W.I., Mona
Organo-metallic compound	TEM	Dept. of Chemistry, U.W.I., Mona
Zinc oxide crystals	TEM	Dept. of Chemistry, U.W.I., Mona

Tab. 2. Tours of the EM Unit conducted with various groups

Tour Group	Location	Number of Persons
Ardenne High School	St. Andrew	14
Calabar High School	St. Andrew	10
Holy Childhood High School	St. Andrew	6
Graduate Students of Chemistry	UWI, Mona	15
Inductees to the Campus	UWI, Mona	18
Microbiology Students	UWI, Mona	ca. 200
Researchers and Technologists	University of Technology, St. Andrew Northern Caribbean University, Manchester	5

Laboratory classes were conducted with undergraduate students. Over a two-week period, Dr Wolf delivered lectures and conducted tutorial and laboratory sessions in the course “Cells, Biomolecules and

Genetics (BB10A)”. From Oct.17 to 25, 2002, Dr. Wolf conducted a practical course focusing on the preparation of biological specimens for the TEM at the Mount Hope Medical Center, Port of Spain (Trinidad). Two lectures were done during that time. The EM Unit contributed to the Research Days of the Mona Campus by providing posters for a booth in the Assembly Hall and tours of the EM Unit, during the course of the Research Days.

The research conducted by the staff of the EM Unit, focused on surface morphology of insect eggs and resulted in the publication of one peer-reviewed article. In addition, five papers were presented. Collaborations, previously established with researchers on-campus and abroad (Table 3), were maintained.

Tab. 3 Collaborations with the EM Unit during the academic year 2002/2003

Subject	Collaborator
Morphology of filamentous material covering egg batches of a moth	Cell Biologists at the Institute of Molecular Biotechnology, (Jena, Germany)
Visualization of the tymbal organ of moths, using SEM	Entomologists at the Dept. Life Sciences, U.W.I., Mona
Surface morphology of moth eggs	Entomologists at the Dept. Life Sciences, U.W.I., Mona
Morphology and composition of radular teeth in a freshwater snail	Ecologists at the Dept. Life Sciences, U.W.I., Mona

RESEARCH IN PROGRESS

- Gamete structure and development in insects using diverse microscopic techniques

PAPERS PRESENTED

- “HABITAT partitioning, diet and radular structures of *Neritina punctulata*, Bussu, in two Portland rivers.” **Martin, T.R.**, Wolf, K.W. and Hyslop, E.J. In: Proceedings of the sixth biannual conference. Faculty of Pure and Applied Sciences. Eds.: Coore, D. and Lancashire, R., published by the Faculty of Pure and Applied Sciences, Mona, p.63, 2003.

- “An optical illusion in scanning electron micrographs of the chorion of the tiger moth *Are druryi* (Lepidoptera: Arctiidae).” **Wolf, K.W.**, Murphy, K., Reid, W. and Garraway, E. In: Proceedings of the sixth biannual conference. Faculty of Pure and Applied Sciences. Eds.: Coore, D. and Lancashire, R., published by the Faculty of Pure and Applied Sciences, Mona, p.83, 2003.
- “Filamentous material covering egg batches of the moth *Spodoptera pulchella* (Lepidoptera: Noctuidae).” **Wolf, K. W.**, Reid, W. and Watson, A. In: Proceedings of the sixth biannual conference. Faculty of Pure and Applied Sciences. Eds.: Coore, D. and Lancashire, R., published by the Faculty of Pure and Applied Sciences, Mona, p.83, 2003.
- “Depth Reversal, a Type of Optical Illusion, in Scanning Electron Micrographs of Biological Material.” **Wolf, K. W.**, Reid, W. In: 96 Jahresversammlung der Deutschen Zoologischen Gesellschaft und der Deutschen Gesellschaft für Parasitologie, June 9 to 13, 2003 Berlin (Germany). Abstract Volume p. 129, 2003.
- “Chorion Morphology in Tropical Insects: Examples from the Lepidoptera and Hemiptera with a Note on Optical Illusions in Scanning Electron Micrographs.” **Wolf, K. W.** Seminar at the Department of Genetics – Institute of Entomology of the Czech Academy of Sciences on June 16, 2003.

PUBLICATION

Refereed

- * “Optical Illusions in Scanning Electron Micrographs: The Case of the Eggshell of *Acrosternum (Chinavia) marginatum* (Hemiptera: Pentatomidae).” **K.W. Wolf**, W. Reid., M. Schrauf. Micron 34, 57- 62, 2003.

PUBLIC SERVICE

Dr. K.W. Wolf

- acted as ad hoc referee for “The Ohio Journal of Science”

DISTINGUISHED VISITORS

Dr. H. Karlic, Ludwig Boltzman Institute of Leukemia Research,
Vienna, Austria

Dr. P. Jeppesen, Roslin Institute, East Lothian, Scotland

Prof. J.R. Wolff, Dept. of Developmental Neurobiology, Center
of Anatomy, University of Göttingen, Germany

INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)

**Professor the Hon. Gerald C. Lalor, OJ, CD, MSc *Lond-UCWI*,
PhD *Lond* – Director General**

WORK OF THE DEPARTMENT

The programmes currently being undertaken by the Centre are based on environmental geochemistry which provides data and knowledge that contribute to agriculture and health. Collaborations from various sectors, and especially the Ministry of Agriculture, Ministry of Health, Rural Agricultural Development Agency (RADA) and the UWI Faculty of Medicine have greatly assisted this programme.

Small Research Reactor Workshop

The Centre held a Inter-regional Workshop on Small Research Reactors during the period of January 13 - 17, 2003. There were twenty participants from fifteen countries. The main topics were: the small reactor concept and design, neutron activation analysis and other applications, possibilities for fund raising, the future of small reactors and final decommissioning.

The well-attended opening ceremony was addressed by the Vice-Chancellor. Those present included Ministers of Government and ambassadors from the participating countries. Funding for the Workshop was provided by the IAEA.

Staff Recognition

Dr. Mitko Vutchkov, Senior Research Fellow received the Gleaner Award in the field of Science and Technology, for his work on lead in the Kintyre area. He was nominated by the principal of the Kintyre Basic School.

Professor Gerald Lalor was inducted as a Fellow of the Institute of Jamaica.

Database and Information Systems

The Jamaican Government has made available IKONOS satellite imagery which covers the entire island. This satellite produces multispectral and grey scale images at 4 metre and 1 metre resolution respectively.

The information systems have improved greatly. The database now contains over 200,000 analytical data entries on over 14,500 samples of soils, rocks, surface and ground water, stream sediments, air particulates, food, blood, animal and human kidney and liver tissues. The data are complimented by the satellite imagery, geographically referenced information on topography, climate, vegetation, land use, geology, mineral deposits, and plant productivity.

Equipment

A custom-built total reflection x-ray fluorescence unit made by the Atominstitut in Vienna was presented to the Centre by the IAEA. This machine will enable us to quantify ultra trace levels of various elements and open new opportunities for work on medical aspects of heavy metals in human tissue.

Students and Interns

ICENS continues to support the usual undergraduate programmes on request. The normal summer programme was, however, restricted to only two students because of a lack of funds and a very heavy staff workload. One was an Applied Chemistry student performing his work assignment, the other from the University of Michigan who funded all her expenses.

Paul Wright obtained his PhD in Environmental Chemistry from the University of the West Indies in 2002. His thesis supervisor was Dr. Anthony Greenaway.

Funding

The following grants were received by the Centre:

- Agricultural Support Services and Productive Projects Fund:
J\$1,425,000.00 to assist with sampling of soil and root crops.
- Caribbean Development Bank:
US\$90,000 for short-term consultants in support of the project on food and health.
- Environmental Foundation of Jamaica:
J\$4,875,000 to examine the blood lead levels of children island-wide.
- International Atomic Energy Agency:
 - US\$150,000 for equipment, experts and visits of staff to other centres.
 - US\$ 35,000 to support the international workshop held January 13 – 17, 2003.

Visiting Fellowships

Dr. R. Garrett Canadian Geological Survey visited for 4 weeks. He assisted with the interpretation of gold results in Jamaican soils and in data base manipulation.

Dr. Nimal de Silva visited for two weeks to assist in the analyses for mercury.

Dr. Brian Davies visited for two weeks to convert soil type information into digital maps.

Dr Toyin Arowolo, University of Agriculture, Nigeria, was a Third World Academy of Sciences Fellow. He worked on the distribution of cadmium and zinc as a function of particle size in soils.

RESEARCH IN PROGRESS

Our main programmes in progress are Food and Health and Blood Lead Levels of Jamaican Children:

(a) Food and Health

The programme contributes to small farmer agriculture in Jamaica. Very interesting results are being obtained on heavy metals in soil, their entry into the food chain and eventually into people. The socio-economic and health aspects are also under investigation.

(b) Lead Mitigation

Following on the work in the Kintyre community an island-wide blood lead screening of basic school children is underway. Over two hundred and eighty children have so far been examined, and in many cases the results exceed the presently accepted blood lead limits. In these cases, environmental interventions and lead safe training have been provided or are planned, and in a more limited number of cases medical interventions are being arranged.

(c) Other programmes underway include:

Soil Geochemistry
Air Quality
Inter-laboratory Comparisons

PAPERS PRESENTED

Robert G. Garrett and Gerald C. Lalor

- The Fe/Na ratio, a framework for interpreting trace elements in Jamaican soils, 7th International Conference on the Biogeochemistry of Trace Elements, Uppsala, Sweden, June 2003.

PUBLICATIONS

- * “Dry-ashing preconcentration for micro-reactor-based neutron activation analysis of food and plant samples”. Gerald C. Lalor,

Percy C. Onianwa and Mitko K. Vutchkov. *International Journal of Environmental Analytical Chemistry*, 83 (5), 367-374 (2003).

- * “Thermoluminescence Dosimetry in the Caribbean”. C.N. Grant, G.C. Lalor, J.E. Thomas. *West Indian Medical Journal* 52 (2), 118-123, 2003.
- * “Essential Elements in Jamaican soils Part 2: Cobalt”. Lalor, G.C., and Vutchkov, M. *Jamaican Journal of Science and Technology* 12 & 13 35-47 (2002)
- * “Essential Elements in Jamaican Soils Part 1: Phosphorous”. Campbell, V., Lalor, G.C. and Rattray R. *Jamaican Journal of Science and Technology* 11, 13-22 (2000)
- * “Heavy Metals in Jamaica Part 5: Reduction of Blood Lead levels of Children in a Mine-Waste Contaminated Area” Lalor, G.C., and Vutchkov, M. *Jamaican Journal of Science and Technology*, 11, 23-35 (2000)

PUBLIC SERVICE

Professor Gerald Lalor

- Director of Gleaner Company;
- Member, Board of Governors of the ICWI Group Foundation
- Member, Council of the Third World Academy of Sciences (TWAS); Commission on Science and Technology for Sustainable Development in the South (COMSATS);
- Member, National Commission for Science and Technology (NCST);
- Member, Technical Committee of the Scientific Research Council.
- Member, Editorial Board, The Science of the Total Environment; Environmental Geochemistry & Health; and Jamaica Journal of Science & Technology

Dr. Robin Rattray

- Secretary, Council of the Jamaican Society of Scientists and Technologists
- Member, Air and Water Quality Subcommittee, NRCA
- Director, Lions Club of Mona

Dr. Mitko Vutchkov

- Agro-Industry Projects Committee Member, Scientific Research Council.

Dr. Gladstone Taylor

- Member: Executive Council, Inter-American Institute for Global Change Research.

Mr. John Preston

- Member, Land Information Council of Jamaica
- Member, Telecommunications Appeals Tribunal.

Mrs. Joan Thomas

- Member, Radiation Protection Advisory Committee of Jamaica.
- Member, Inner Wheel Club of Kingston.

DISTINGUISHED VISTORS

Professor C.N. Rao, Board of Governors, ICENS

H.E. Edward Malayan, Ambassador for the Russian Federation

H.E. Rafael Jover, Ambassador for Spain

H.E. Rocio Maneiro, Ambassador for Venezuela

H.E. I.V. Chopra, High Commissioner, India

Professor Peter Wobrauschek, Atominstitut, Vienna

Professor Christina Strelj, Atominstitut, Vienna

Hon. Errol Ennis, Minister of State, Ministry of Agriculture

SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES (SALISES)

Professor Neville Duncan, BSc, MSc *UWI*, PhD *Manc*
– Campus Director

WORK OF THE INSTITUTE

Overview

This was a highly productive year for the Institute. **Dr. Patsy Lewis** won the Mona Principal's book prize for the Faculty of Social Sciences, for 2002, for her book, *Surviving Small Size: Regional Integration in Caribbean Mini States*. **Dr. Aldrie Henry-Lee** (along with Professor Wilma Bailey and Clement Branche) won the Mona Principal's award for the Distinguished Researcher in the Faculty of Social Sciences for 2002. **Dr. Nikolaos Karagiannis** had two books published during the academic year. Overall, there were 22 refereed publications, 19 forthcoming publications, and 8 not refereed. Thirty four papers were presented at academic conferences. Further physical improvements to the Institute and its grounds were achieved as well as improvements in office equipment. Several social, political and economic reports on Jamaica were undertaken in this period (19 in all) – maintaining our reputation for relevant research. Congratulations go to **Annie Paul** for the modern design and choice of colours for the cover of the new SES Journal for 2003 and beyond. Congratulations also go to **Sheron Barnes-Wilmot** and her team of administrators from SALISES, Cave and SALISES, St. Augustine for the publication of our institutional magazine *SALISES VOICE*, vol. 1, 2003. Janice Brooks, subscriptions clerk, has resumed duties after a year on study leave. She is currently in the final semester of the BSc in Public Administration. Mrs. Beverly Lothian and Ms. Olamaie Christie continue their degree programme in library studies.

The Degree Programmes

The second cohort of students (42) was admitted to MSc programmes, continuing MSc students numbered 23, leading to 65 MSc students in all.

Postgraduate Students' Statistics 2002-2003

Degree Programme	No. of Students from 2001-2002	No. of New Students 2002-2003	Total
MSc Full Time	6	22	28
MSc Part Time	17	20	37
PhD/MPhil Full time	3	4	7
PhD/MPhil Part Time	13	7	20
CGS (continuing PT)	—	3	3
Total	39	56	95

Subject to the successful completion of their research papers this Summer, the Institute expects to graduate up to 40 students in the MSc. Programmes. This is the end of the second year of the MPhil/PhD programme which now has 16 students continuing from 2001 and 11 from 2002 with three continuing from the Consortium Graduate School.

The Documentation Centre (DDC)

The most significant event for the past year has been the successful experiment to introduce a user-friendly web-based interface for access to the group of databases which comprise the online public catalogue. Preparatory work to assess the journal collection prior to reducing the current number of subscriptions began with identifying titles where articles appear as full-text in the campus electronic databases. The well-recognized trend of a regular significant annual prices increase as well as devaluations have translated into million dollar payments by SALISES, Mona. The move towards a type of formal consortium of tertiary (or perhaps UWI only) libraries for the purchase of (admittedly costly) electronic databases is slow but a partnership model is the inevitable outcome. Joint decision-making and pooling of funds will result in orderly and profitable resource-sharing within the consortium.

Outstanding tasks were completed in respect to:

- stock-taking of the Archival collection which consists of reports, papers, publications, etc. written by staff of the Institute and, to a lesser extent, the Faculty of the Social Sciences.
- converting the ‘upper-case only’ older SWTP database records in preparation of our switch-over to a web-based interface.
- re-doing the signage for journals on shelves of the Reading Room.

The database of records of articles, book reviews, notes and comments which appeared in the Institute’s journal for the first 50 volumes of the SES is undergoing a final round of scrutiny. From this database, author, subject, chronological and other groupings may be derived for print or online output.

The Derek Gordon Data Bank (DGDB).

Technical advice to students continues to prove most time-consuming. MSc students from SALISES and from Dept. of Sociology preparing research papers and using our datasets need considerable assistance, from the simple to the more difficult tasks/issues of data analysis. Data acquisition was low in 2002-2003. SALISES signed a contract with Jamaica Conference Board for acquisition of consumer business confidence data but those data have been slow in coming. Along with persons in the Department of Economics, the DGDB has been trying to negotiate for other datasets but has not received any others, to date. We now have new software – EVIEWS; and Adobe Acrobat Reader. The latter will facilitate our move towards Web-based teaching. There has been considerable improvements made to our website and it is an important medium for communication between SALISES’ lecturers and students with notices and course notes. Also we experienced increased usage including demands from overseas for data. We need to establish a system so that data can be sent to persons paying with a credit card. There is a demand for extended opening hours. An informal arrangement has worked sufficiently well so far and will be continued. The Data Bank was rented to Ministry of Health for training.

Publication Section

This was a productive year for the section with several publications added to our list. The unit continued to sell books on a walk-in basis, occasionally holding book sales to coincide with the beginning of a new semester or conferences and other symposia. The income recorded by the publications section for the period September 2002 to August 2003 was \$1,367,973.62.

Journal (Social and Economic Studies (SES), 2002-2003)

There has been the successful completion of a new cover design for the journal. The design, which has been a personal project of Annie Paul for some time, was inspired by and based on the intricate, labyrinthine patterns produced by the reef-building brain corals of the Caribbean. Like the coral reefs of the region, Social and Economic Studies can be viewed as a bank of valuable research material produced by regular deposits of scholarly sediment over the last fifty years. In the last academic year the following issues came off the press or were in production during the course of the year:

- i. Vol. 51/3 September 2002: Special issue “Managing Health Care in Jamaica” guest edited by Alvin Wint.
- ii. Vol. 51/4 December 2002: Special issue on “Vulnerability/ Coping Strategies” guest edited by Aldrie Lee.
- iii. Vol. 52/1, March 2003 came out under the new cover. Feedback has been very positive.

Vol. 52/2, June 2003 is at the printers. Vol. 52/3 the special Gender issue guest edited by Professor Rhoda Reddock in commemoration of 10th anniversary of the Centre for Gender and Development Studies is in production now. Vol. 52/4 will be a special issue on Community guest edited by Dr. Patricia Anderson.

We are in the process of revising our subscription rates which have not been changed for some years now. Pending a check of the actual cost of producing the journal it is proposed that the individual foreign rate move from US\$40 to 60; the foreign institutional rate from US\$60 to 90; the local individual rate from J\$1600 to J\$3000; the local institutional from J\$2400 to \$5000. The price of single copies would move from J\$350 to J\$600 locally with a 20% discount for students.

Book publication

The highlight of the year under review was the publication of **Erna Brodber's** *Standing Tall: Affirmations of the Jamaican Male – 24 Self-Portraits*. This book, publication of which had been in gestation for over 20 years, is already seen to be a seminal work and is a fitting launch for the revival of the institute's book publishing activities. Also published in this period was the new edition of **Patrick Bryan's** *Philanthropy and Social Welfare in Jamaica*, a book which has been in steady demand especially in the departments of sociology and social work where it is a required text. Arrangements were finalized for the co-publication, along with Ian Randle Publishers, of a new edition of Velma Newton's *The Silver Men*. The book is due off the press in October 2003. In the editing stage of production at year end was Jimmy Tindigarukayo's *Evaluation of Local Government Reforms in Jamaica*, scheduled to go to press in October 2003.

With some help of the UWI Legal Department, a new Standard SALISES publishing contract was drafted and then finalized in the year under review. This contract will now be used by all three SALISES campus branches. During the year a comprehensive *catalogue* of all publications produced by the three campus branches of SALISES was produced. The usefulness of this document as a record of our publishing output as well as a marketing tool was already evident at year end. Work output from this division also included the substantive copyediting of the first *SALISES Graduate Studies Handbook*, published in August 2002, and the proofing of this year's revised edition, published in April 2003.

Future Projects

SALISES has a number of projects in the pipeline for production in the academic year 2003-2004.

SALISES publications were displayed at the following overseas/international conferences:

- Caribbean Publishers Network (CAPNET) First Regional Book Fair, Trinidad, November 2002
- "The Sovereignty of the Imagination: The Writings and Thought of George Lamming", UWI, Mona, June 2003

The Institute's books were part of joint CAPNET displays at the following events:

- Frankfurt Book Fair, October 2002
- Caribbean Studies Association (CSA), 28th Annual Conference, Belize, May 2003
- Association of Caribbean Universities Research and Institutional Libraries (ACURIL) Conference, San Juan, Puerto Rico, June 2003

A selection of our titles was included in the overall CAPNET catalogue produced for the first time in 2002.

Academic Teaching and Research

(Research completed)

Dr. Philip D. Osei

- Evaluation of Jamaica’s National Poverty Eradication Programme as part of a team. GOJ, JASPEV, March 2003 to July 2003.
- ESRC Governance Project (UK) with the Public Sector Group, Department of Political Science, University of Hull. January-July 2003, “Globalisation and the Governance Agenda in Small States: The Case of the Commonwealth Caribbean”, (a collaborator).

Ms. Kristin Fox

- Evaluation of Jamaica’s National Poverty Eradication Programme, as part of a team for GOJ, JASPEV.
- The Belize Poverty Survey, as part of a research team.
- Assisted Ministry of Health with a WHO designed study of Human Resources in Health
- Working with Family Health International on establishing an appointment system at Comprehensive health centre.

Dr. Aldrie Henry-Lee

- Conflict Management, Gender and Reproductive Health in Two Inner City Communities in Jamaica (funded by Ford Foundation).

- Gender and Equity Issues Among Cancer Patients (funded by PAHO)
- Government Expenditure on Basic Social Services in Grenada (funded by the OECS)
- Pals Base-Line Study in Trench Town and Flankers Basic Schools, Jamaica, W.I. (funded by CIDA)

Dr. Patsy Lewis

- “The Future of Special and Differential Treatment in the FTAA”, July 2003, study commissioned by the Association of Caribbean States, research team: Drs. Patsy Lewis, Lucy Eugene, Pat Northover and Don Marshall

Dr. Patricia Northover

- “The Future of Special and Differential Treatment in the FTAA”, July 2003, study commissioned by the Association of Caribbean States, research team: Drs. Patsy Lewis, Lucy Eugene, Pat Northover and Don Marshall

Dr. Jimmy Tindigarukayo

- Evaluation of Jamaica’s National Poverty Eradication Programme, as part of SALISES team (Commissioned by GOJ, JASPEV), March 2003 to July 2003.
- Evaluation of Local Government Reform in Jamaica (1993-2000).
- A tracer Study of Graduates of the National Youth Service Programme in Jamaica: 2001/2002 (commissioned by Ministry of Education and funded by IDB).
- A Critical Review of Public Service Reform in Jamaica

RESEARCH IN PROGRESS

Professor Neville C. Duncan

- National Poverty Eradication Programme Review, Jamaica, with Dr. Aldrie Henry-Lee, Kristin Fox, Dr. Philip Osei, Dr. Jimmy Tindigarukayo, JASPEV, GOJ, July 2003.
- Millennium Development Goals, Jamaica, with Dr. Aldrie Henry-Lee, JASPEV and UNDP (Jamaica), GOJ, July 2003.
- Jamaican Attitudes to Regional Integration: A Survey Report, with Dr. Patsy Lewis, Dr. Aldrie Henry-Lee, Ms. Kristin Fox, and Dr. Jimmy Tindigarukayo, Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), UWI, Mona, Kingston, Jamaica, July 2003.

Dr. Aldrie Henry-Lee

- Chief Investigator: *An assessment of the impact of imprisonment of women on their children* (Sponsored by CIDA and the Planning Institute of Jamaica)
- Chief Investigator: An Evaluation of the PALS Programme in High Schools and Basic Schools. (Sponsored by CIDA).
- Researcher: *Status Report for Jamaica on the Millennium Development Goals* (sponsored by the United Nations Development Fund)
- Researcher: Evaluation of the National Poverty Eradication Programme In Jamaica. Sponsored by DFID and the Government of Jamaica.
- Fieldwork Coordinator: *Assessment of Jamaicans' Attitudes to political integration* (Sponsored by the Principal's office).
- Researcher: Feasibility Study for the project: Policy and Implementation of User Fees and the Impact on Health Seeking and Coping Behaviour of Patients in Jamaica. (Sponsored by Pan American Health Organization)
- Project Historian/Analyst for *The Civic Dialogue Project* (funded by the UNDP)
- Researcher/Fieldwork Coordinator- Social Assessment in Belize (funded by DFID)

Dr. Jimmy Tindigarukayo

- A Survey of Jamaican Attitudes towards Regional Integration, as part of a SALISES research team.
- Effectiveness of the Executive Agency Model in the Public Sector of Jamaica.

PAPERS PRESENTED

Professor Neville C. Duncan

- “Governance in Small Societies: The Importance of Strong Democracy”, Mona Academic Conference, Mona Campus, UWI, Jamaica, 2002
- “Radicalism and Caribbean Transformation”, Lloyd Best Conference, UWI, St. Augustine Campus, Trinidad and Tobago
- “Review of paper by Audrey Ingram Roberts on “The Cultural and Socio-political Context of Leadership in the Caribbean”, United Nations Development Fund for Women (UNIFEM), Transformational Leadership Conference, United Nation’s House, Bridgetown, Barbados, October 3-4, 2002. Independent reviewer.
- “Examining the Impact of Poverty Programmes on Poverty Alleviation: Limitations and Strengths”. Regional Workshop of the Social Network of Latin America and the Caribbean, February 26-28, 2003, JSIF, Ocho Rios, Jamaica
- Roundtable, “Strategic Discussion on National Framework for Sustainable Development”, GOJ, March 12, 2003, Terra Nova Hotel, Kingston
- “Reformed local government and local development: towards a better model”. Forum on Local Governance in Small States: Issues, Experiences and Options. St. Vincent and the Grenadines, April 14-15, 2003 “Caribbean Local Government: Development and Economic Issues”.
- “Reflections o the World Today and Tomorrow and the Caribbean in it: training, education and learning responses”, Keynote Address, The School of Continuing Studies, the

University of the West Indies, St Vincent and the Grenadines Country Conference, “Beyond Walls: Multidisciplinary Perspectives”, May 22, 2003

- “The Social Dimensions of Globalisation in the Anglophone Caribbean and the Dutch-Speaking Caribbean: Towards Appropriate Responses and Corrective Activities”. World Commission on the Social Dimensions of Globalisation, A Caribbean Dialogue, hosted by the ILO, at the Sherbourne Conference Centre, Barbados, April 9, 2003.

Dr. Aldrie Henry-Lee

- “Chronic Poverty in the urban ghettos in Jamaica”. University of Manchester, UK, April 2003. Conference entitled “Chronic Poverty and Development”.
- “Challenges to social development in Jamaica”. Caribbean Studies Association Annual Conference in Belize, May 25 to June 2, 2003.

Dr. Nikolaos Karagiannis

- “Key economic and politico-institutional elements of modern interventionism: A post-Keynesian synopsis”, *State and Society Special Seminar*, Institute of Social Studies (ISS), The Hague, on 27 November 2002.
- “Towards a Caribbean Developmental State framework”, 4th annual conference on Economic and Social Development of Small Islands in the Era of Globalisation, SALISES, UWI, Cave Hill, Barbados, January 15-17, 2003.
<http://www.uwichill.edu.bb/papers/W10QJCL/Karagiannis.rtf>

Dr. Patsy Lewis

- “Tourism as an Alternative to Banana Production: the Windward Islands”, Conference on the Role of Government in Tourism: Enhancing Human and Economic Development”, UWI, Mona, September 25-28, 2002.
- “Expanding the National Space into Regional Integration: Freedom of Movement in the Caribbean Single Market and Economy”, tabled at Seminar, “Politics of Integration and the

Future of the Caribbean”, PUCMM, Dominican Republic, December 9-10, 2002.

- “Negotiating with Unequal Partners: Small States in the New Global Economy”, Fourth Annual Conference of the SALISES, Cave Hill, Barbados Sherbourne Centre, Barbados, January 15-17, 2003.
- “Expanding National Space into the Regional: Freedom of Movement in the Caribbean Single Market and Economy”, Ist Caribbean Labour Policy Conference, UWI, Mona, April 2-5, 2003.
- “Regionalism and Identity in CARICOM”, 28th Annual Conference of the Caribbean Studies Association (CSA), Belize City, Belize, May 25-30, 2003.
- “The Limits of Sovereignty in the New Global Order: Small States and the European Union”, 28th Annual Conference of the Caribbean Studies Association (CSA), Belize City, Belize, May 25-30, 2003.
- “The Future of Special and differential treatment in the FTAA, Possible Mechanisms and Specific Measures for its Implementation”, presentation of study jointly prepared with Drs. Patricia Northover, Lucy Eugene and Don Marshall, to the Association of Caribbean States (ACS) and the Economic Commission for Latin America and the Caribbean (ECLAC) Workshop-Seminar, July 14-15, 2003, Port of Spain, Trinidad and Tobago.
- “Increasing Tourism’s Impact in the National Economy: Case Study of the Banana Producing Countries of the Eastern Caribbean”, Foundation for Democracy in Africa’s 6th Annual AfriCANDO Trade and Investment Symposium, July 22-26, 2003, Miami, Florida.

Dr. Philip D. Osei

- “Financing Poverty Reduction in Jamaica: The Role of Remittances”. 28th Caribbean Studies Association Conference. Belize City, Belize. 26-30 May, 2003.

- “African Development in the Context of the Post-Washington Consensus: The Case of Ghana”, with Patricia Northover. 25th All African Students Conference on 22-24 May, 2003. Mona Campus, Kingston, Jamaica.
- “Legal and Institutional Framework of Local Government in the Eastern Caribbean”, Organisation of American States and UNDP organised Workshop on Decentralisation and Local Governance in Small States. St Vincent and the Grenadines. 13-15 April 2003.
- “New Employment Contracts and the Future of Work in the Caribbean Public Sector: Implications for Policy and Institutional Development”. Caribbean Labour Conference, Mona, Kingston, Jamaica, 5-7 April 2003.
- “Examining the Prospects for Good Governance and Development under ‘The New Partnership for Africa’s Development’ (NEPAD)”. Sir Arthur Lewis Institute of Social & Economic Studies, Seminar Series, 26 March 2003.
- “Regulation in a Flux: The Development of Regulatory Institutions for Public Utilities in Ghana and Jamaica”. 4th Sir Arthur Lewis ISES Conference Sherbourne Conference Centre. January 15-17, 2003.
- “Re-engineering Poverty Reduction in Jamaica: What has been the Role of Partnerships”. Conference on Poverty Reducing Strategies in the Caribbean. Havana, Cuba. November 4-6, 2002.
- “Tripartite Social Partnerships in Small States: Barbados and Jamaica in Comparative Perspective”. Annual Conference of the British Academy of Management. Novotel Hotel, Hammersmith, London. September 9-11, 2002.

Ms. Annie Paul

- March 21, 2003, “Dancehall in Jamaica: On Babylon, Violence, ‘Poor Taste’ and the Disappearance of Jonkonnu”, XXII Annual West Indian Literature Conference: University of Miami, Coral Gables, Florida.

Dr. Kimberly Robinson-Walcott

- “A Matter of Taste: Popular Jamaican Fiction and the Role of a Cultural Elite”. 22nd Annual Conference on West Indian Literature, University of Miami, 20-22 March 2003.

Dr. Patricia Northover

- ‘New Institutional Economics and the Explanation of Economic Performance’, Caribbean Studies Association Conference, Belize, 2003.
- ‘African Development in the Context of the Post Washington Consensus.’ With P. Osei, at the 15th Annual All-African Student Conference, Mona, Jamaica.

Dr. Jimmy Tindigarukayo

- “Why Political Order has been Elusive in Uganda”, conference on The Quest for Political Order and Stability in African Countries, held at Makerere University, Kampala, on December 5-10, 2002.

PUBLICATIONS

Refereed

Dr. Aldrie Henry-Lee

- * (Guest editor) Special Issue on Vulnerability and Coping Strategies. *Social and Economic Studies*, Vol. 51, No.4. UWI.
- * (with Figueroa Peter). November 2002. Research and Policy: Essential National Health Research in Jamaica W.I. *Caribbean Journal of Public Sector Management*. Vol. 4., Number 1.
- * December 2002. Economic Deprivation and Private Adjustments: The Case of Security Guards in Jamaica. *Social and Economic Studies*, Vol. 51, No.4. University of the West Indies.
- * (with LeFranc, Elsie). December 2002. Poverty and Gender in Barbados and Guyana. *Social and Economic Studies*, Vol. 51, No.4.

Dr. Patsy Lewis

- * *Surviving Small Size: Regional Integration in Caribbean Ministates*, (University of the West Indies Press: Jamaica, Barbados, Trinidad and Tobago) 2002, 240 pages (ISBN 976-640-116-0).
- * “Is the Goal of Regional Integration Still Relevant Among Small States? The Case of the OECS and CARICOM”, in Cynthia Barrow-Giles and Don Marshall (eds.), *Living at the Borderlines: Issues in Caribbean Sovereignty and Development*, Ian Randle Publishers, Jamaica, 2003.
- * “¿La integración regional es todavía un objective adecuado para los Estados Pequeños? Los casos de la OECS (Organización de los Estados orientales) y del CARICOM (Comunidad del Caribe), pp.317-344, in Joaquín Roy, Roberto Domínguez Rivera, Rafael Valasquez Flores (eds.), *Retos E Interrelaciones de la Integración Regional Europa y América*, Plaza y Valdes (PYA), University of Miami, 2003.

Ms. Annie Paul

- * “Sound Systems Against the “Unsound System” of Babylon: Rude/Lewd Lyrics vs. Nude Tourists in Jamaica”, in “Créolité and Creolization: Documenta11_Platform3”, edited by Okwui Enwezor et al., Ostfildern-Ruit, Germany: Hatje Cantz Publishers, 2003, pp. 117-136.
- * “‘The Enigma of Survival’: Travelling Beyond the Expat Gaze”, *Art Journal*, Volume 62, Number 1, Spring 2003, pp. 48-67.

Dr. Philip Duku Osei

- * “Tripartite Partnerships in Small States: Barbados and Jamaica in Comparative Perspective”, in Ann Marie Bissessar ed., *Globalisation and Governance: The Challenges of Small States*, McFarland Press, USA, 2003, *forthcoming*

Dr. Nikolaos Karagiannis

- * *A New Economic Strategy for the Bahamas*, the University of the West Indies Printers (Mona, Jamaica), 2002.

- * *Developmental Policy and the State: The European Union, East Asia, and the Caribbean*, Lexington Books (Lanham, Maryland: Rowman & Littlefield Publishers), December 2002.
- * *Economic Strategy for Jamaica*, with D. Alleyne, Arawak Publications (Kingston), July 2003.
- * “An alternative development policy framework for the Caribbean”, *Pensamiento Propio*, Vol. 15, 2002.
- * “Key economic and politico-institutional elements of modern interventionism”, *Social and Economic Studies*, Vol. 50:4, 2002.
- * “Developmental Intervention: A Contemporary Perspective”, *Caribbean Journal of Public Sector Management*, Vol. 4:1, November 2002.
- * “Tobin tax: Its potential and feasibility for the Caribbean”, *IDEAZ*, Vol. 1:2, December 2002.
- * “Tourism, linkages and economic development in Jamaica”, *International Journal of Contemporary Hospitality Management*, Vol. 15:3, May 2003.
- * “Tourism and economic development in the Caribbean and Jamaica: Towards an alternative developmental state framework”, pp. 39-55 in the book *Tourism and Change in the Caribbean and Latin America*, (eds) Boxill I., Taylor O. and J. Maerk, Kingston: Arawak Publications, December 2002.

Dr. Kimberly Robinson-Walcott

- * “Claiming an Identity We Thought They Despised: Contemporary White West Indian Writers and Their Negotiation of Race”, *Small Axe* 14 (Sept 2003). 93-110.

Dr. Jimmy Tindigarukayo

- * “The Squatter Problem in Jamaica”, *Social and Economic Studies*, 51:4, 2002, pp. 95-125
- * “Public Participation in Local Government in Jamaica”, in Selwyn Ryan and Ann Marie Bissessar, eds., *Governance in the Caribbean*, SALISES, St. Augustine, 2002, pp.89-101.

Not Refereed

Professor Neville C. Duncan

- * “Radicalism and Caribbean transformation”, in Selwyn Ryan, ed., *Independent Thought and Caribbean Freedom: Essays in Honour of Lloyd Best*, Sir Arthur Lewis Institute of Social and Economic Studies, St. Augustine, Trinidad and Tobago, 2003, pp.163-174
- * Governance in Small Societies: The Importance of Strong Democracy”, in Kenneth Hall and Denis Benn, eds., *Governance in the Age of Globalisation: Caribbean Perspectives*, Chapter 9, Ian Randle Publishers, Kingston, Jamaica, 2003, pp.164-174

Ms. Annie Paul

- * “The Turn of the Native: In Different Times” in *Post Issues: Strategies of Contemporary Creation*, Dialogos Iberoamericanos IV, Museo de Bellas Artes de Valencia, Generalitat Valenciana: Valencia, Spain, 2003, pp. 62-73.
- * “Earth Angels” article on Jamaican ceramicist Gene Pearson *Maco Magazine: Caribbean Living*, Volume 5, Issue 1, Summer 2003, pp. 72-79.
- * Interview with Christopher Cozier, *Bomb* magazine (cultural quarterly), 594 Broadway, Suite 905, New York, NY 10012 Americas/Caribbean issue, Winter 2002/2003, pp. 66-73
- * “Framing the Postcolonial: Annie Paul on Christopher Cozier” in *New Internationalism*, Danish Centre for Culture and Development: Copenhagen, Denmark, 2002, pp. 60-74.

Dr. Kimberly Robinson-Walcott

- * “Conversations on the Edge”. *Bearing Witness 3: the Best of the Observer Arts Magazine 2002*. Anthology of short stories and poems. Kingston: Jamaica Observer. 202-209.
- * “Winkler's Lunatics”. *Caribbean Beat* (Sept - Oct 2002): 40-45

Supervision of PhD/MPhil Students

Professor Neville Duncan 7; Dr. Aldrie Henry-Lee 5; Dr. Nikolaos Karagiannis 2; Dr. Patricia Northover 1; Dr. Jimmy Tindigarukayo 2; and Dr. Philip Osei 6.

Supervision of MSc Research Paper

Dr. Osei 5; Dr. Aldrie Henry-Lee 6; Dr. Patricia Northover 2, Dr. Patsy Lewis 6, Dr. Jimmy Tindigarukayo 4.

PUBLIC SERVICE

- Associate editor, of *Small Axe: A Caribbean Journal of Criticism*, Indiana University Press.
- Director, Board of JAMCOPY, Jamaican Copyright Licensing Agency.

Dr. Kimberly Robinson-Walcott

- Literary Adjudicator, Jamaican Cultural Development Commission's Annual Literary Competition.
- Editor, Institute of Jamaica's publication, *Jamaica Journal*.

Ms. Audrey Chambers

- Adjunct Faculty, DLIS
- Member, Planning Committee for the First Caribbean Labour Conference, April 2003.
- Mentor, Mentorship Programme
- Member, Executive Committee, Library and Information Association of Jamaica.
- Chair, Information Technology Working Party, Library and Information Association of Jamaica.
- Member, Information for All Advisory Committee to the UNESCO National Commission for Jamaica.

Ms. Norma Davis

- Member, Planning Committee for the First Caribbean Labour Conference, April 2003.
- Acquisitions Liaison Staff member, SALISES - UWI Library.
- Liaison Officer, for SALISES - UWI (Mona) & Community Co-op Credit Union.

THE BIOTECHNOLOGY CENTRE

Prof. M. Ahmad, BSc *Bhagal*, MSc, PhD *LARI* – Director

WORK OF THE CENTRE

The Biotechnology Centre, with the cooperation and dedication of its staff, advanced the work of the Centre through education, supervision and training of postgraduate and undergraduate students in its ongoing effort to disseminate information on Biotechnology and to improve Human Resource capacity in Biotechnology.

During the summer of 2003 two students from the College of Agriculture, Portland, were accepted for short term internship at the Biotechnology Centre. Their period of study and work lasted eight (8) weeks. They were taught Biotechnology techniques and other scientific methods under the supervision of **Dr. Sylvia Mitchell**. In addition, five High School students spent two weeks during the summer learning tissue culture techniques. One Graduate Student sponsored by the Jamaica National Building Society was guided and supervised by Dr. Mitchell to determine the source of bacterial infection in turmeric, analyzed neem oils, and initiated ginger and turmeric into tissue culture.

Dr Roye was awarded a Fulbright fellowship from the Council for International Exchange of Students (CIES) through the United States Embassy in Kingston Jamaica. This fellowship allowed Dr Roye to visit the International Laboratory for Tropical Agricultural Biotechnology in St Louis, Missouri for three months - May 18 – August 17th, 2003. She worked under the supervision of Dr Claude Fauquet, renowned virus taxonomist, where she investigated the “Molecular investigations of recombination between cabbage leaf curl virus and *Macropitilium* golden mosaic virus, a weed-infecting geminivirus from Jamaica”.

In April 2003, she also received the American Phytopathological Society (APS) International Travel Award. An abstract entitled “Cabbage leaf curl disease includes a mixed infection with CabLCV from Florida and a recombinant virus between CabLCV and a weed-infecting geminivirus in Jamaica” was presented in August at the ASP annual meeting in Charlotte North Carolina.

Dr. Helen N. Asemota, Senior Lecturer in the Department of Basic Medical Sciences and the Biotechnology Centre was promoted to the post of Professor of Biochemistry and Molecular Biotechnology, with effect from May 28, 2003.

Professor Asemota holds the Doctor of Philosophy (Ph D) degree from the University of Benin/ Frankfurt University and had joined the Biotechnology Centre in 1991 as a volunteer Lecturer. She was appointed Lecturer in the then Department of Biochemistry in 1996 and promoted to Senior Lecturer in Biochemistry and Biotechnology on indefinite tenure in 1998. Since 2002 she has served as International Consultant, General Organization for Seed multiplication, Tissue Culture Laboratories in Aleppo, Syria under the UN-FAO Technical Cooperation Programme. Prof. Asemota was also a visiting Professor in the Department of Biological and Agricultural Engineering at North Carolina State University in Raleigh, USA and she has served the UN-FAO as International Consultant for Biotechnology in the Republic of Tajikistan.

Dr. Paula Tennant, hosted by Dr. Dennis Gonsalves, visited the U.S. Pacific Basin Agricultural Research Center in Hawaii - May to July, 2003 and assisted with a USAID project on setting up international protocols on the deregulation of transgenic papaya for lesser-developed countries.

Miss Icolyn Haye, a PhD candidate in Biotechnology was awarded a Commonwealth Scholarship. Miss Haye spent a year at the John Innes Centre in the United Kingdom under the supervision of Dr John Stanley investigating “the distribution diversity and recombination among of geminiviruses infecting *Macroptilium lathyroides* from Jamaica”.

Funding

The Biotechnology Centre was awarded a contract for US\$150,992 from the Ministry of Agriculture under the Citrus Replanting Project for Research Sciences in pathology of citrus diseases. The team leader and principal investigators are Drs. Wayne McLaughlin and Paula Tennant,

respectively. The contract commenced in February 2003. It is for three years, and is part of a larger project of the Ministry of Agriculture to control citrus diseases in Jamaica.

In March 2003 Dr Marcia Roye and her research team received funding in the sum of USD36,000.00 the UWI New Initiative Funding to support the project on Molecular Investigations of Recombination between Crop and Weed-infecting Geminiviruses from Jamaica. The fund total is to be applied over a three year period.

Prof. Helen Asemota obtained funding valuing USD2000.00 for studies on the assessment of the glycemic indices of different yam varieties and other tuber crops in Jamaica and other Caribbean countries from the University of the West Indies School of Graduate Studies and Research. These studies are being undertaken by Perceval Bahado-Singh's, an M Phil candidate at the Centre.

RESEARCH IN PROGRESS

Prof. M. H. Ahmad and Dr. Sylvia Mitchell

- The use of neem oil as biopesticide
- Tissue Culture of medicinal plants

Dr. Paula Tennant

- Development of transgenic papaya with resistance to papaya ring spot virus (PRSV)
- Pathology of Citrus Diseases

Dr. Wayne McLaughlin

- Molecular biology, epidemiology of whitefly-transmitted geminiviruses infecting tomato and peppers in the Caribbean

Dr. Marcia Roye

- Molecular biology and epidemiology of whitefly-transmitted geminiviruses infecting crops and weeds.

Dr. Helen Asemota

- Bioengineering of yams and biochemical studies on yam extracts for medicinal value

- Protoplast isolation and gene manipulation from plant cell culture

Dr. Andrew Wheatley

- Commercial production of yam plantlets through tissue culture
- Molecular basis of sprouting in yam and the characterisation of Jamaican yam starches.

PAPERS PRESENTED

Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003

- Lowell L. Dilworth, Felix Omoruyi, Helen Jacobs, Errol Y. Morrison and Helen N. Asemota. "Anti-Nutritional factors and mineral contents in some Caribbean tuber crops: Effects of Processing".
- Simone T. Earle-Barrett, Kathleen Lobban, Andrew O. Wheatley and Helen N. Asemota. "Genetic variation and cultivar identification of *Dioscorea alata* using Random Amplified Polymorphic DNA and Amplified Fragment length Polymorphism". p. 78
- Mellisa P. Powell, Andrew O. Wheatley, Paula F. Tennant, Felix O. Omoruyi, Helen N. Asemota, Dennis Gonsalves, Errol Y. Morrison and Mohammad Ahmad. "Effects of consumption of Transgenic papaya (*Carica papaya* L.) on rat intestinal disaccharidases". p. 48
- Kathleen S. Lobban, Andrew O. Wheatley, G. Osuji and Helen N. Asemota. "Application of RFDD in the Determination of Genes triggered during the sprouting of yam tubers (*Dioscorea sp.*)". p. 51
- Cliff K. Riley, Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad and Helen Asemota. "Morphological Characterization of Starches Extracted from six Jamaican Yam (*Dioscorea spp.*) species". p.76

- Powell, M., Wheatley, A., Tennant, P., Omoruyi, F., Asemota, H., Gonsalves, D., Morrison, E., and Ahmad, M. H. (2003). "Effects of consumption of transgenic papaya (*Carica papaya* L.) on rat intestinal disaccharidases".
- Roberts, M., Minot, D., Tennant, P., Jackson-Malete, J., and Gonsalves, D. (2003) "Comparative evaluation of transgenic and non-transgenic papaya (*Carica papaya* L.) fruit developed for the control of Papaya ringspot virus in Jamaica".

Proceedings of the Fifth Conference of the Faculty of Pure and Applied Sciences, Mona, Jamaica, March 17-19

- Webster S., Mitchell S., and M.H. Ahmad (2003) "*In vitro* propagation of some medicinal plants of commercial value".
- Millar M. K. J., S. M. Mitchell, M. H. Ahmad and K. G. Golden (2003) "Azadirachtin levels of commercial Neem oils and neem seed grown in Jamaica".

11th Annual Research Conference, Faculty of Medical Sciences, UWI, Mona

- Melissa P. Powell, Andrew O. Wheatley, Paula F. Tennant, Denis Gonsalves, Felix O. Omoruyi, Helen N. Asemota and Mohammad H. Ahmad. "The effects of consumption of coat protein transgenic papaya (*Carica papaya* L.) on liver and kidney enzymes function in rats". West Indian Medical Journal. 52 (Suppl. 41): 18

18th International Diabetes Foundation (IDF) Congress in Paris, August 24-29, 2003

- Andrew O. Wheatley, Cliff K. Riley, Perceval S. Bahado-Singh, Thornia S. Smith, Errol Y. St. A. Morrison, Mohammad H. Ahmad and Helen N. Asemota. "Relationship between amylose content and the in vitro digestibility and glycemic index of some Jamaican yam (*Dioscorea spp.*) starches".

Jamaica Institute of Environmental Professionals 1st national scientific conference on Environmental Management and Sustainable Development: Medicinal Plant Utilization, Jamaica

- Mitchell S.A., M. Millar and M.H. Ahmad (2003). “Advancing environmental knowledge towards decision making in sustainable development”, April 2003.

Institute of Food Technologists. Annual General meeting, Chicago, Illinois,

- Roberts, Madeen, Minott, Donna A., Tennant, Paula F., and Jackson, Jose C. (2003). “Comparison of selected nutritional and anti-nutritional components of transgenic and nontransgenic papaya fruit (*Carica papaya* L.) in Jamaica”. July 12-13.

PUBLICATIONS

- * Turner, Shawna-Gae, Tennant, Paula, and. Ahmad, M.H. (2003) Evaluation of wild *Carica* species for resistance to Papaya ringspot virus isolates from Jamaica. JAGRIST (The Bulletin of the Jamaican Society For Agricultural Sciences) 15: 20-25
- * Mitchell S. A. and M. H. Ahmad (2003). Agricultural Biotechnology in the Caribbean. AgBiotech (ABN 106)
- * Mitchell S.A. and M.H. Ahmad (2002). The Wonders of the Neem Tree. Health, Home and Garden Magazine, Jamaica pg 78-80
- * Powell, M., Wheatley, A., Tennant, P., Omoruyi, F., Gonsalves, D., Asemota, H., and Ahmad, M. H.W. (2002). The effects of consumption of coat protein transgenic papaya (*Carica papaya* L.) on liver and kidney enzyme functions in rats. West Indian Medical Journal Supplement 51 (4): 18
- * Tennant, Paula, Ahmad, M. H., and Gonsalves, Dennis. (2002) Transformation of *Carica papaya* L. with virus coat protein gene for studies on resistance to Papaya ringspot virus from Jamaica. Tropical Agriculture (Trinidad) 79: 105-113

PUBLIC SERVICE

Prof. M. H. Ahmad

- Board Member, National Commission on Science and Technology (NCST)
- Member, National Biosafety Committee of the NCST

Dr. Wayne McLaughlin

- Board Member, Scientific Research Council
- Member, National Biosafety Committee (NCST)

Dr. Helen Asemota

- International Consultant, Food and Agriculture Organization (FAO) of the United Nations
- Member, Steering Committee for the Development of a Caribbean Food Composition Programme Organized by the Caribbean Food and Nutrition Institute (CFNI) and PAHO.

Dr. Paula Tennant

- Board Member, Papaya Growers Association
- Member, National Biosafety Committee (NCST)

Dr. Andrew Wheatley

- Member, National Watershed Management Committee

CATEGORIES OF STUDENTS

The enrollment status of Mrs. Melaine Chin-Randle was upgraded in October 2002 from MPhil to PhD in Biotechnology. Mrs. Chin-Randle is examining the “Biological and molecular characterization of the Papaya ring spot virus (Type-P) isolates from selected areas in Jamaica”

Miss Simone Pinnock commenced research on her MPhil project in September 2002. Ms. Pinnock is being supervised by Dr. Paula Tennant and is examining the genotypic and phenotypic comparison between the transgenic and non transgenic papaya trees.

Mr. Seymour Webster was enrolled for the MPhil degree in Biotechnology in September 2002 and will be examining the regeneration of some woody medicinal plants via somatic embryogenesis and RAPD analysis of regenerants for genetic stability. He is being supervised by Dr. Sylvia Mitchell.

In September 2002, two graduate students – Latanya Fisher and Franklin McKenzie are working on citrus diseases and cotton transformation respectively. Both students are registered in the Department of Life Sciences and are being supervised by Dr. Paula Tennant.

DISTINGUISHED VISITORS

Messrs Trevor Campbell and **Reginald Nugent**, Directors of Global Bridges, California and part of the delegates at a UWI conference entitled '*Structuring for the Commercialization of Science and Technology*' visited the Biotechnology Centre February 2003. The conference was organized by the Mona School of Business and Messrs Campbell and Nugents visit to the Centre was hosted by Prof. M. H. Ahmad and Dr. Sylvia Mitchell.

INSTITUTES IN THE FACULTY OF PURE AND APPLIED SCIENCES, MONA

The increasing need for the Faculty of Pure and Applied Sciences to identify sources of income other than that provided by, eg. the University Grants Committees, and the increased commitment by the University to serve the development needs of the region, have resulted in the establishment of two Institutes with complimentary objectives, the Mona Institute of Applied Sciences and the Natural Products Institute. Since February 2003, both Institutes have been housed in a newly refurbished building that previously accommodated the Agricultural Unit at Mona.

Detailed reports for both Institutes are given:

THE MONA INSTITUTE OF APPLIED SCIENCES

Howard O. N. Reid, BSc (Hons.), PhD *UWI* – Director

WORK OF THE INSTITUTE

The Mona Institute of Applied Sciences, launched in 2001, is a self-financed legal entity, inter-dependent with the Faculty of Pure and Applied Sciences, but operating within its own financial systems. The emphasis of the institute has been on interacting with the “marketplace”, particularly in promoting research and the education of persons in the pure and applied sciences. Critical to this endeavour has been facilitating the development of new technologies, processes or products that are deemed to have the potential for providing increased employment and increased foreign exchange earnings or savings within business, government and the wider society of Jamaica and the Caribbean.

The year 2002/2003 turned out to be one of consolidation, continued development of new programmes and the establishing of the Institute's name in the marketplace. This was done again under our three areas of operation (i) training, (ii) research and development, and (iii) analytical services. The activities of the Institute continued to grow, with operational revenue growing from J\$2,641,174 in 2001/2002 to J\$3,028,952 in 2002/2003. **Mr. William Saunders** the Institute's first Executive Director resigned in September, Mr. Saunders was thanked by the Board of Directors, MIAS for the direction and focus with limited resources he had brought to the Institute during his tenure. **Dr. Howard Reid**, Manager, Mona Institute of Applied Sciences was appointed Executive Director in October.

Staff of the Institute increased from two to four, with Ms. Celia Alleyne (Training Programmes) and Mr. Dayton Outar (Information Technology and Projects), joining Dr. Reid and Mr. David Simons (Accounting) as fulltime employees of the Institute. For the year Departments of the Faculty of Pure and Applied Sciences earned J\$317,400 for rental of classrooms and computers (a total of J\$544,350 since August 2001), while members of the FPAS and graduate students of the UWI have been paid J\$775,766 for teaching on our professional training programmes (a total of J\$1,667,141) since August 2001.

The Certificates in Information Technology Programmes are our major source of income. Figure 1.

Figure 1.

Sources of Income for the MIAS 2002/2003.

The Institute acquired permanent office space at the Old Agriculture Unit through the intervention of the Dean, Faculty of Pure and Applied Sciences, Prof. Ronald Young and Principal, Mona Campus, University of the West Indies, Prof. Kenneth Hall. Renovation of the section of existing building allocated to the MIAS and construction of additional office space was completed in January 2003 and we moved in during February 2003.

Training

Following up on the decision in 2001 to focus initially on training, given the University's experience in this area and that it showed the greatest potential for generating income, we have been developing a series of certificate and post-graduate diploma programmes targeted for launch during our first three years of operations. The courses are geared to meet the needs of persons who do not at this time want to register for the University's Degree programmes but require formal quality training which would give them certification attesting to marketable skills on the job market.

It was felt that training should be offered initially in those areas where the participant needed little academic pre-qualifications for participation. Certificate courses have been or are being developed in Information Technology, Computer Hardware Engineering, Instrument Repair Technology, Pesticide Management and Food Sciences.

Certificate Courses

Information Technology

The MIAS information technology programme is aimed at fulfilling the needs of persons who do not intend to register for the University's degree programmes in Computer Science, but require formal quality training in the use of computers at various levels: introductory (Part 1), intermediate (Part 2) and advanced (Part 3), which will give them certification attesting to marketable skills on the job market.

The MIAS offered four Certificates in Information Technology this year, up from two 2001/2002. Introduction to Computers, our foundation certificate programme, introduces participants with no or limited knowledge of computers to computer fundamentals, the applications in the Microsoft Office Suite and the use of the Internet. There are two Part II programmes, Introduction to Programming and Introduction to Web Site Design; and one Part III post Computer Science B.Sc. programme Advanced Java which introduces participants to applications of Java in advanced programming technologies such as object-oriented programming including the Internet, Graphical User Interface (GUIs), Databases and Component-based Software Engineering. 189 students participated in the certificate programmes.

Figure 1. Number of students registered for each cycle of the Certificates in Information Technology 2002/2003.

MSc Computer Science

The Mona Institute of Applied Sciences and the Department of Mathematics and Computer Science will be running a **MSc Computer Science** starting January 2004. The programme will be self-financing and lecturers from the Mathematics and Computer Science will be complimented by adjunct faculty from industry.

Post Graduate Diplomas

An exciting new **Post Graduate Diploma in Information Technology** targeted at non Computer Science first degree holders who wish to enter the Information Technology industry has been developed in conjunction with the Department of Mathematics and Computer Science. This course will run over a twelve month period inclusive of a two month project. The targeted start-up date for this programme is September 2004. The course will only be offered initially part-time in the evenings.

Two other post graduate diplomas are being developed to meet the needs of graduates who require additional training to supplement their skills or who have come from non-technical background and are seeking career changes. They are: (i) Post Graduate Diploma in Pesticide Management with the Departments of Life Science and Chemistry and (ii) Post Graduate Diploma in Embedded Systems and Industrial Application of Computers with the Department of Physics.

Programmes To Be Launched During the Next Year

Other certificate/professional programmes that have been developed or which are in advanced stages of development, which are scheduled to come on stream in the next eighteen months, are:

- (i) Certificates in Web Development and Administration (a Part 3 IT certificate) developed with the Department of Mathematics and Computer Science
- (ii) Two certificates in Computer Hardware Technology developed with the Department of Physics
 - (i) Certificate in Computer Technology, Part 1
 - (ii) Certificate in Computer Technology, Part 2
- (iii) MSc Food Science

Research and Development

The major project taken from research conducted within the faculty, for promotion and started in 2001 was the *Tilapia Project*.

Tilapia Project

The Tilapia Project builds on work done by a research team, lead by Dr. Dunbar Steele, in the Department of Life Sciences, which involves the acclimation of freshwater tilapia fingerlings to seawater and a protocol for farming them in the sea in cages. The project started in October 2002 and will run for a year, with the view of finalising some experimental work and securing the intellectual property rights before commercialising the research.

Other Projects

In addition, development of plans to establish a centre for writing computer software and incubating software engineering firms at the UWI have been ongoing, with several information technology firms, over the last year. The first step in this process is already well advanced by way of a working relationship with Advanced Integrated Systems (AIS) to write computer software and provide them with technical support. A number of

smaller projects; web page development and web hosting services involving the Department of Mathematics and Computer Science; designing and making of specialised electronic equipment with the Physics Department for an industrial client; and compilation of CD's of two of the FPAS's Emeritus Professors in the Department of Life Sciences are in progress.

Analytical Services

Negotiations are currently in progress or have been completed with industry/private sector partners to work with them on several projects.

Bureau of Standards Jamaica

The Mona Institute of Applied Sciences and the Bureau of Standards, Jamaica (BSJ) signed a Memorandum of Understanding (MOU) on Friday November 22, 2002 at 11:00 a.m. in the New Chemistry Building in the Faculty of Pure and Applied Sciences. The relationship with the BSJ will involve cooperation on standards and metrology, training for industry, and participating in the analytical work currently being done by BSJ.

Regional Analytical Laboratory

Development of plans for the establishment of a Regional Analytical Laboratory to carry out complex analytical projects such as testing for drugs (equine and human), pesticide residue, heavy metal, waste effluents and risk assessment analysis is currently under discussions with a number of industry partners. If successful this may involve equipping a dedicated laboratory.

The Future

The Mona Institute of Applied Sciences continued to grow during the 2002/2003 academic year with activities again mainly centred on training. For the next year, training will probably continue to dominate the income of the MIAS, with new products ready to come on stream to a large extent coming from this section. Research and development, and analytical services should make a more substantial contribution during the next year.

DISTINGUISHED VISITORS

Mr. Ray Chang, CI Fund Management Inc., with headquarters in Toronto, Canada, Canada and member of the Board of Governors, Ryerson Polytechnic University.

The Hon. Phillip Paulwell, Minister of Commerce, Science and Technology.

Dr. Nigel Clark, Director of National Commercial Bank, Jamaica Ltd., Jamaica Broilers Group of Companies and Seprod Jamaica Limited

Prof Ronald M. Lee, Professor of Electronic Commerce, College of Business, Florida International University.

THE NATURAL PRODUCTS INSTITUTE

Trevor H. Yee, BSc (Hons.), PhD *UWI*, MBA (Hons.) *Nova*
– Executive Director

WORK OF THE INSTITUTE

The Natural Products, in its fourth year of operation, has been focusing on its own innovative research and development activities for (a) the extraction, separation and identification of bioactive and economically important compounds from selected plants and animals, (b) the assaying of compounds and formulas (NPI's and its collaborators' and clients') for their pharmaceutical, biochemical, physiological, toxicological, aromatic and pesticidal properties, (c) the development of laboratory-scale technology for production of these products, and the development of the technology for commercial manufacturing, (d) the identification of markets and development of marketing strategies for the products and technologies developed, and (e) the development of methods for the sustainable use of local flora and fauna.

Furthermore, NPI has been developing income-generating client services. These are (a) determination of chemical contents and physiological and toxicological properties in herbal products, (b) the development of possible sponsored research programs for other departments, institutes, and centres in the Faculty, and (c) teaching degree courses and organizing workshops.

Most of the NPI's activities are in collaboration with other Departments, Institutes, and Centres in the Faculties of Pure and Applied Sciences, Medical Sciences, Social Sciences, in Mona and the Faculty of Engineering, UWI, St. Augustine.

During the year, the Institute hosted an international conference for ethnomedical scientists and practitioners and also a workshop on Composting and the Utilization of Agricultural and Agro-Industrial Wastes.

RESEARCH IN PROGRESS

- Investigation into the value addition of an exported raw material by means of extraction and chemical characterization of the local plant. **Dr. Trevor Yee**, Prof. Helen Jacobs
- Investigation of a number of plants as potentially new sources of essential oils. **Dr. Trevor Yee**, Dr. Roy Porter
- Investigation into the development of a number of plants and other sources of dyes and colouring materials. **Dr. Trevor Yee**, **Dr. Rupika Delgoda**, Prof. Helen Jacobs
- Characterisation of a local plant as a nutraceutical. The chemical and physiological profiles of the plant for the presence of bioactive compounds are being investigated. **Prof. Ajai Mansingh**; **Prof. Ronald Young**; **Dr. Trevor Yee**; **Ms. Arlene Wilson**
- Testing of natural products as possible targets for the treatment of tuberculosis. **Dr. Rupika Delgoda**; Prof. Edith Sim, Dr. Andrew Munroe, Prof. Helen Jacobs, Prof. Paul Reese
- The study of drug-herb interactions. Dr. Rupika Delgoda; Prof. Gordon Roberts; Prof. Roland Wolfe
- Drug metabolism. **Dr. Rupika Delgoda**, Prof. Barrie Hanchard, Dr. Lisa Lindo, Prof. Gordon Roberts
- Development of botanical pesticide formulations for the management of vegetable and coffee pests and ticks of cattle and other animals. **Prof. Ajai Mansingh**; Dr. Dwight E. Robinson; **Ms. Arlene Wilson**

CLIENT SERVICES

The following client services were initiated/undertaken:

Identification and vitamin characterization of several local herbs.

Testing of a local fruit active against diarrhoea.

Development of nutraceuticals from local ethnomedical formulations.

The use of Chinese herbal medicines in Jamaica.

The development of byproducts from banana fibre.

The assessment of a natural product formulation for anti-cancer activities.

Investigation into the breeding of other varieties for the local horticultural industry.

PAPERS PRESENTED

- Delgoda, R. (2002). 'New and emerging pharmacological issues in drug toxicity', 17th Annual Medical Symposium, October 2002, Kingston
- Delgoda, R. (2002), 'Drug metabolism: a multidisciplinary approach and the relevance to Jamaica', Natural Products Institute, bimonthly seminar series, UWI.
- Delgoda, R. and Yee, T. (2002), 'Natural Products Institute, UWI', Scientific forum on Caribbean ethnomedicine and medicinal plants, Montego Bay, December 2002.

PUBLICATIONS

- * **Delgoda, R** Prof. Agamuthu Periathamby. (2003) *Utilization and Management of Agricultural and Agro-Industrial Waste*. 145pp. ISBN- 983-2085-29-2.

Refereed

- * **Delgoda, R.**, Lian, L.Y., Sandy, J., Sim, E, NMR investigation of the catalytic mechanism of arylamine N-acetyltransferases from *Salmonella typhimurium*; *Biochemica Biophysica Acta*, 2002, 25473, 1-7.

International Symposium

The Natural Products Institute in collaboration with Blue Cross of Jamaica hosted an international symposium entitled, "Towards global collaboration in ethnomedicine and medicinal plants research and

development”. The symposium was held in Montego Bay, Jamaica, from December 6-7, 2002. Ethnomedical practitioners and scientists from local, Caribbean and International affiliations participated.

Workshop

A workshop entitled, “Utilization and Management of Agricultural and Agro-Industrial Wastes” was organized by the Natural Products Institute, with expert instructions provided by Professor Agamuthu from the University of Malaya. Through the workshop the Institute hosted over 50 local and Caribbean participants from academia, industry and non-governmental organizations. Sponsorship was secured from the Caribbean Regional HRD Programme for Economic Competitiveness (CPEC) and the Ridge to Reef Watershed Project.

GRANTS RECEIVED

Dr. R. Delgoda received a grant of Swedish Crowns 92,000 (US\$12,000) to carry out the metabolism of natural products by drug metabolising enzymes in human liver tissue, by the International Foundation for Science, Sweden.

ASSISTANCE FROM THE GOVERNMENT OF INDIA

The Government of India, under its International Technical and Economic Cooperation programme, has approved an aid package to the NPI for the establishing of a Toxicology Laboratory. His Excellency Mr. I. V. Chopra, the Indian High Commissioner to Jamaica, who visited the NPI on July 30, 2003, stated that a large quantity of the requested equipment should be available within the year. This would be followed by the posting of an Indian expert in toxicological studies at NPI/UWI for several years.

The ITEC programme will also facilitate visits by NPI’s staff and its collaborators, to visit a number of world-renowned Indian Institutions.

PUBLIC/ACADEMIC SERVICE

Dr. Trevor Yee

- Treasurer, International Society for the Development of Natural Products

- Member, Executive Committee- the Natural History Society of Jamaica
- Member, Advisory Panel for Complimentary Medicine, Ministry of Health
- Member, Steering Committee – Towards a National Bioprospecting Programme, National Commission on Science and Technology, Office of the Prime Minister
- Chairman, Cosmetics Technical Committee, Jamaica Bureau of Standards

Prof. Ajai Mansingh

- Secretary, International Society for the Development of Natural Products
- Secretary (Founding), Jamaica Council for Interfaith Fellowship
- Editorial Board, Insect Science & Its Application: a monthly international Journal (Publ. Int. Cent. For Insect Ecol. & Physiol. Nairobi.)

Ms. Arlene Wilson

- Member Steering Committee, Jamaica Young Scientist Forum, facilitated by the National Commission on Science and Technology

SUPERVISION OF STUDENTS

Postgraduate

Two MPhil. students are working jointly with the Natural Products Institute and the Department of Chemistry and are being supervised by Dr. Trevor Yee, Professor Helen Jacobs, and Dr. Roy Porter.

Undergraduate

Two students in the Biochemistry Department were supervised by Dr. Delgoda on their final year project and 2 theses were presented.

Seven final year pharmacy students from University of Technology were supervised by Dr. Delgoda on 2 research projects.

Technical assistance was provided by Miss Arlene Wilson to three students of Chemistry (UWI) and two CAPE students.

Dr. Yee lectured in the BSc final year Food Chemistry course at UWI.

Drs. Yee, and. Delgoda and Prof. Mansingh coordinated and taught the Herbal and Complimentary Medicine course to B. Pharmacy final year students at the University of Technology.

DISTINGUISHED VISITORS

Professor Jiang Zoujun, Vice Governor of the Province and Professor of Medicine led by a 7-member Chinese delegation from the Anhui Provincial Government of China and the Anhui College of Traditional Chinese Medicine

Dr. Alberto Barcelo, Regional Advisor World Health Organization

Prof. Jeff Atherton, Professor of Tropical Horticulture, Cave Hill, U.W.I.

Prof. Agamuthu Periathamby, Professor of Waste Management and Resource Recovery, Univ. of Malaya

Dr. Virender Sheorain, General Manager, National Rums of Jamaica

Prof. Hiroshi Morishima, Nagoya City University, Japan

Mr. Koichi Hagiwara, Industrial Development Officer, UNIDO, Toyko

His Excellency Mr. I. V. Chopra, High Commissioner of India.

UWI CENTRE FOR ENVIRONMENT & DEVELOPMENT (UWICED)

Professor Al Binger, PhD *University of Georgia* – Director

WORK OF THE CENTRE

UWICED is the University Centre tasked with providing technical assistance to the Small Island Developing States (SIDS) of the Caribbean to address the formidable challenges of environmental protection and sustainable development. It was established in 1993 arising out of the Rio de Janeiro World Summit on Environment and Development (UNCED) held in 1992. In 1997, at the Summit of the Americas, the Regional Heads of Government and the President of the United States designated UWICED as a regional focal point for sustainable development information in the Caribbean.

UWICED focuses on assisting the region to develop/strengthen capacity for sustainable development. This includes providing technical assistance (information, resource mobilization, policy guidance, training, and advice), in six key areas identified from the 1994 Barbados Plan of Action (BPoA) for the sustainable development of Small Islands Developing States (SIDS). These are:

- Climate Variability and Change
- Sustainable Energy
- Land, Water and Biodiversity Resources Conservation
- Integrated Waste Management
- Sustainable Tourism
- Integrated Coastal Zone Management

During the year under review, the major global activity in sustainable development was the convening of the “World Summit on Sustainable Development” which was held in Johannesburg, South Africa in August/September 2002. This Summit was attended by over a hundred world leaders, corporate leaders and NGOs and was characterized by the Johannesburg Plan of Implementation, representing the ongoing commitment to sustainable development by all member countries of the United Nations.

UWICED in collaboration with the Caribbean Community Secretariat (CCS) was tasked to provide technical assistance and support to the Government Negotiators during the preparatory meeting leading up the Summit, the final one of which was held in Bali, Indonesia in May 2002. Additionally, UWICED/CCS was asked to provide technical assistance to the Chair of the Alliance of Small Islands States (AOSIS).

In the focal areas noted above the major activities were concentrated in the areas of Waste Management, Climate Variability and Change, Sustainable Energy, and Land, Water and Biodiversity Conservation. Additionally, a number of activities focused on strengthening UWICED institutional capacity in training and information support were also undertaken.

Climate Change

Regional Climate Change Centre: – The Caribbean Community Climate Change Centre (CCCCC) has now been formally established in Belmopan, Belize. The Board of Director had its first meeting and the Government of Belize has seconded a senior climate change professional to act as Interim Executive Director. This represents another successful outcome of the first regional climate change project, Caribbean Planning for Adaptation to Climate Global Change (CPACC), funded by the World Bank/GEF and implemented by UWICED in partnership with the OAS. The CARICOM Heads of Government in February 2002 approved the establishment of the CCCCC which has as its mission to assist the region in addressing the challenges to sustainable development that will result from climate change and sea level rise. UWICED, which represents the University on the Board of Directors, continues to assist the CARICOM Secretariat in the institutional development of the CCCCC.

Preparation of Regional Climate Change Report: – In partnership with the United Nations Environment Programme (UNEP)

and the CCS, UWICED completed the final draft of the report entitled “Climate Change in the Caribbean”. The report is currently under review and is to be published for the United Nations International Meeting on Development of Small Islands States to be held in August 2004. The report examines the likely consequences of climate change and sea level rise for the region and concludes that the region is extremely vulnerable. Also included in this report are policy recommendations as well as proposed scientific research and technology development to assist the region in building resilience. The objective of this document is to bring to the forefront the high vulnerability of countries in the region to the phenomena of climate change and sea level rise resulting from the emission of greenhouse gases and addresses specifically:

- The existing social, economic and environmental conditions of the Caribbean;
- The likely impact on the countries in the region arising from climate change and sea level rise;
- Options for minimizing and reducing vulnerability and strengthening resilience.

Mainstreaming Adaptation to Climate Change (MACC): – Mainstreaming Adaptation to Climate Change is the new regional climate change project undertaken by the CCS, the University of the West Indies, and Member Governments to help the region to continue to develop the capacity to address the pending impacts from climate change and sea level rise. The new project started in July 2003, as a follow up to the previous project (CPACC) which provided the region with capacity building resources over the period 1997 to 2001. The MACC will provide some US\$10 million in funding over the next four years from the World Bank/GEF to develop capacity and gather information to address climate change and sea level rise issues. The MACC project will be implemented by the CCS with UWI as member of the Steering Committee and will be managed out of the CCCCC in Belize.

UWICED, in addition to giving support to the MACC as a member of the Steering Committee, is focused on vulnerability reduction and resilience building including the identification of adaptation and mitigation technologies (with the support of the UNDP).

Land, Water and Biodiversity Resources Conservation

Inter-regional and Regional Workshops: – UWICED coordinated two regional meeting for the year in this area. The first was held from March 13-16, 2002 in Belize, to explore the development of an inter-regional mechanism to improve collaboration between the Caribbean and Central America countries, on matters related to environmental and sustainable development, including biodiversity, the implementation of international conventions and treaties, coral reef protection and cooperation among bodies such as CITES, the IWC and Ramsar.

The second meeting was held in Coya Coco, Cuba, from November 25-29, 2002. The goal of the workshop was to strengthen regional capacity by providing a forum for representatives of organizations and institutions who are responsible for the protection/conservation/ management of biological resources to exchange experiences (lessons learned, good practices, impacts and benefits) and use those experiences as the basis to develop a long-term needs driven strategy for strengthening regional capacity through collaboration. The MacArthur Foundation, the UNDP Country Office, and the Cuban Ministry provided support for this workshop entitled *“Towards Sustainable Development in the Caribbean Islands: Capacity Building for Managing and Protecting Biological Resources”*.

Sustainable Energy

Energy Expert Meeting

As part of the preparatory process for the United Nations International Meeting for the Review of the Implementation of the Barbados Plan of Action (BPoA) for the Small Island Developing States (SIDS), UWICED in partnership with UNDESA and the Government of Nuie and with support from the UNDP conducted a week long meeting of energy experts in July 7-11, 2003. The goal of the meeting was to develop an energy agenda for SIDS that will help them to address the growing vulnerability associated with increasing dependence on petroleum for the provision of energy services. This agenda will be presented for discussion at the SIDS Meeting in the Bahamas in January 2004 and if adopted, it will become part of the decisions for the SIDS International Meeting in Mauritius to be held in August 2004.

Caribbean Renewable Energy Development Project:: – Negotiations with the UNDP/GEF continues regarding the implementation of this US\$15 million project to foster the development of renewable energy resources in the region. The Project suffered a major set back as a result of the last minute decision by the Caribbean Development Bank not to establish a dedicated funding window to support financing for renewable energy projects. UWICED, who chaired the Steering Committee that developed the project, continues to provide technical support to the CARICOM Secretariat in finalizing the reformulated project which will be resubmitted to the UNDP/GEF in December 2003.

Technical Assistance to the Dominican Government: – The report “*The Potential of Renewable Technologies: Diversifying Dominica’s Energy Supply – UWICED, July 2002*” has provided a foundation for the development of partnerships with the OAS, and private sector entities interested in the development of renewable energy in Dominica. UWICED continues to provide technical advice to the Government.

Cogeneration Project for the UWI and UHWI: – This project which was developed with the goal of helping to minimize energy cost on the Mona Campus and at the hospital remains in abeyance. Discussions continue with the Jamaican Government about implementing the project at a different scale for the hospital.

Development of Energy Efficiency in the Caribbean: – Although energy efficiency initiatives are potentially of great benefit to the region, and could contribute to the reduction in petroleum imports and greenhouse gas emissions, projects in this area have encountered barriers to implementation, related to policy, regulation, financing, market development, public awareness and human capacity constraints. Under the Caribbean Energy Efficiency Project (CEEP) being developed with support from the UNDP by a team of regional organizations consisting of CARILEC (Caribbean Electricity Utilities Corporation), OLADE (Latin American Energy Organisation), CEIS (Caribbean Energy Information System) and UWICED, resources will be sought from the Global Environmental Facility (GEF) to undertake activities to identify and remove barriers to energy efficiency in the region.

Development of Web Based Graduate Programme in Energy Management: – Work continues on the development of the graduate curricula in collaboration with external organizations.

Integrated Waste Management

Regional Waste Management Project: – Through a grant from the Foster-Wheeler Corporation, UWICED has undertaken a multiple-pronged project designed to assess the current status of wastes, method of disposal and their impacts in the Caribbean, develop a database on waste management systems and technologies, developing commercial-scale demonstration projects that convert waste to valuable products, and initiate graduate training courses in sustainable waste management for regional practitioners. The first commercial demonstration is being done in Jamaica in collaboration with the CANCO Jamaica Ltd and the Jamaica Government through the Scientific Research Council (SRC). The commercially demonstration-scale agro-industrial waste composting project is intended to verify the appropriate scale for the production of organic fertilizer from plant derived waste. The objectives of the project are the development of technology to convert ackee-processing waste produced by CANCO Jamaica Ltd. into high quality compost; and the documentation of the methodologies employed for commercial scale operation. CANCO Jamaica Limited in St. Thomas is one of the major producers and exporters of canned ackees in Jamaica. During the peak season for ackee production up to 40 cubic yards of ackee waste (ackee pods and seeds) are produced per day. Estimates are that this factory produces approximately 3,000 cubic yards of ackee waste annually. Presently this material is dumped into a nearby landfill. This project proposes to develop a technology for converting this waste into high quality compost, which can be sold commercially.

STRENGTHENING UWICED'S INSTITUTIONAL CAPACITY

Upgrading of The University's Technical Capacity to Provide Training in Environmental Management: – Through a NORAD (Norway Aid Agency) grant and associated initiatives, during the last few years UWICED developed and equipped a classroom in the Centre building, to support web-based, multimedia and teleconferencing instruction in environmental management.

Small Islands Developing States Information Network (SIDSNet): – In partnership with the United Nations Department for Economic and Social Affairs (UNDESA) UWICED is implementing a three year project that started in July 2003 to improve the availability and

access to information on sustainable development by the island states of the region. The establishment of a regional SIDSNet node will strengthen the collection, organization and dissemination of information on good practices to address biodiversity conservation, climate change responses and international water management issues among AOSIS Member States, and to foster inter-SIDS sharing of experiences on the use of information technology as a sustainable development tool in the context of ecosystem management. As part of the Project Information Coordinators terms of reference SIDSNet Focal Points will be established in seven non-campus countries to assist with the development and provision of information.

Development of Graduate/Professional Training in Environmental Management – Web-based Graduate Curriculum Development for Integrated Waste – Over the past several years, through a Rockefeller Foundation planning grant, and in collaboration with Faculties and the Graduate School, UWICED has worked to help develop a programme for a University-wide Masters in Environmental Management; parts of which is now being implemented.. Currently, the Centre is coordinating the development of the Waste Management specialization for this programme. The curricula consisting of sixteen units at the graduate level have been completed and are currently undergoing peer review. Also completed are some six case studies in various aspects of waste management that will serve as resources material.

Development of Web Based Project Cycle Management Course:
– As a pilot-scale initiative under the above framework, UWICED developed a web based course. The course was successfully tested at two web-based technical workshops, in Project Cycle Management, for environmental practitioners in Jamaica, involving a total of fourteen participants active in sustainable development-related institutions. Participants in the workshops explored the links between projects and sustainable development, and how to identify, develop, appraise, finance, implement and evaluate such projects. These workshops served to test and further develop the Centre's web-based environmental management training capacity.

RESEARCH AND TECHNICAL ASSISTANCE ACTIVITIES IN PROGRESS

Small Island Developing States Vulnerability Study: – UWICED is coordinating a global study of the environmental, economic and social vulnerabilities of SIDS in light of emerging global and regional trends, under a service agreement with UNDP. The first draft of the report was presented to a workshop in May 2002. The final report was completed and submitted to the UNDP in June 2003. As part of the process to sensitive governments about the results of the study a regional briefing was held in Grenada, during the period May14 –16, 2003, sponsored by the UNDP, the CARICOM Secretariat, and the Government of Grenada. During the coming year UWICED will continue work in this areas in partnership with the UNDP and the CARICOM Secretariat.

Conservation and sustainable use of biodiversity in the Caribbean: – UWICED, under a MacArthur Foundation Grant, continues to investigate and assess the stresses on the region's ecosystems linked to political, social and economic trends. This project aims to define the challenges, build capacity and facilitate the formulation and implementation of regional strategies for the comprehensive development and protection of biological resources, and effective compliance with international environmental treaties. As part of this efforts two reports are under preparation, specifically:

Threats to Biodiversity in the Caribbean

The objective of this research paper is to:

- To provide information on our biodiversity and the main threats to their conservation and sustainable use.
- To increase awareness and aid policy development
- To facilitate dialogue on planning and developing effective, long-term regional biodiversity conservation strategies and sustainable development.
- To encourage research.
- To encourage dialogue between individuals and institutions in the region that is concerned with biodiversity.

Uses of Biodiversity in the Caribbean

The objective of this paper is to:

- Provide information on our biodiversity – its present and potential uses
- Provide information on the sustainable use of Caribbean biodiversity.
- Increase awareness.
- Facilitate dialogue on planning and developing effective, long-term regional biodiversity conservation strategies and sustainable development
- Encourage research and dialogue between individuals and institutions in the region that are concerned with biodiversity.
- To aid in documentation efforts.

Energy Consumption patterns, Climate Change and the Economy: – Research is being carried out to investigate the links between Balance of Payment Constrained Growth and the Consumption of Energy, and the relationships between Economic Growth and Climate Change.

Sustainable Energy: – Research into the impact of privatisation on the energy sector in five Caribbean Countries is being conducted.

Strengthening of Negotiations Skills for SIDS in the Context of International Treaties: – Research has been carried out into the methods employed by SIDS in international negotiations and the levels of success achieved. This study will also identify more effective negotiating strategies were applicable.

Caribbean Environmental Outlook for the Wider Caribbean Region

In partnership with UNEP, UWICED is preparing a regional report on the state of the environment with particular emphasis on marine resources. The purpose of this report is to provide information for policy-makers on the status and vulnerabilities of the marine and coastal areas and the present policy activities and options for the Wider Caribbean Region (WCR). This will be the second report in partnership with UNEP on the Caribbean region. The first publication had significant gaps in data

and as such UWICED in collaboration with UNEP is compiling data for the new report.

PAPERS PRESENTED

Prof Al Binger:

- Electric Utility in the Caribbean – Caribbean Association of Regional Energy Companies (CARILEC) Meeting, St. Lucia, November 2002
- Ocean Thermal Energy Conversion (OTEC) – As the Sustainable Development Technology for Small Islands Developing States (SIDS), Pacific Island Water Forum, Palau, October 2002
- Global Public Goods – Presented to the UN ECOSOC, United Nations, New York, USA, April 2003

Maurice Mason:

- “The Jamaican Economy: A Case for Cogeneration” presented at the workshop “Environmental Economics for Civil Society” hosted by SEDU (Cave Hill Campus) June 26, 2003.

PUBLICATIONS

- * *Vulnerability of Small Island Developing States* – UNDP Policy Journal Vol 1 August 2002.

PUBLIC SERVICE

Professor Al Binger

- Member United Nations Economic and Social Commission (ECOSOC), Committee For Development Policy (CDP).
- Chairman, Project Committee, Board of Directors, Environmental Foundation of Jamaica

Maurice Mason

- UWICED representative to the National Steering Committee on Biodiversity.
- UWICED representative to the National Steering Committee on Solid Waste Management.

UWI DISTANCE EDUCATION CENTRE (UWIDEC)

**Christine Marrett, BA, MA *UWI*, Dip Ed *U of Surrey*, Dip Mgt Stds,
Dip Mass Comm *UWI* – Campus Coordinator &
Senior Programme Officer**

WORK OF THE CENTRE

At the end of July 2003, the UWI Distance Education Centre bade farewell to Director, **Professor Badri Koul**, who was instrumental in drafting the plans for the reengineering of distance education at UWI. One aspect of this plan implemented during the period 2002/2003 was the formation of the Academic Programme Committee, which held its first meeting in March 2003.

Programmes

The total number of students pursuing courses through UWIDEC across the Caribbean rose to 2,511, an increase of 6.28% over the previous year.

Two new programmes were launched – the **Certificate in Gender Studies**, and the **B.Ed. Secondary programmes**, the latter sponsored by the Ministry of Education and Culture in Jamaica to deliver courses in 10 disciplines for students across Jamaica. Other programmes delivered were: MSc (Family Medicine), MSc (Counselling), Advanced Diploma in Construction Management, BSc (Management Studies), BSc (Agri-business Management), B.Ed. (Educational Administration), Certificate in Business Administration, and Certificate in Public Administration. The M.A. (External Programme in Agriculture) also made use of the teleconference facilities as did the Masters in Law programme, involving the three campuses.

The BA with Major in French was restarted in 2002-2003 with UWIDEC facilitating the survival of this initiative, in cooperation with the Department of Language, Linguistics and Literature at Cave Hill. This initiative began in 1998, for students who are teachers of French in Dominica, St. Lucia, Grenada, St. Vincent and St. Kitts.

Although the print materials remain the mainstay of the delivery mode, UWIDEC continued to equip itself for the introduction of other media, such as WebCt and Just-In-Time-Learning (JIT-L), which are expected to be used in course delivery in 2003-2004. Led by colleagues in St. Augustine, various components of six courses (SY14G – Introduction to Sociology, FD10A – English for Academic Purposes, MS23B – Caribbean Business Environment, SY22E – Survey Design and Analysis, EC22A – Topics in Economic Development and SY32E – Industrial Sociology) were put on-line. An e-learning team comprised of staff from the curriculum development units of the three campuses, the Web Administrator, Graphic Designer, Research Officer and Academic Programme Officer has been formed to review quality assurance issues related to the establishment of guidelines for on-line course development.

The distribution of course materials from each campus went reasonably well, with fewer delays and omissions than in the previous year. Problems, however, continued and included the delay in obtaining registration figures which negatively affected timely distribution and failure of duplicating equipment. Customs regulations in Jamaica also slowed down the distribution process. Where materials were sent electronically, some site staff experienced difficulty in downloading the materials for students.

EC14C was again without a UWIDEC-produced course package, so textbooks had to be purchased for use by students.

Examinations are now being held at each of the Centres in Jamaica and the cost is now being charged to UWIDEC.

Summer programme

The Faculty of Social Sciences and UWIDEC attempted a more organized approach to the offer of Summer Programmes, guided by similar attempts on campus to streamline the management of summer programmes.

Non-UWI and non-certificate programmes

The Diploma in International Shipping Logistics offered by the Caribbean Maritime Institute was run on a limited basis with in-country delivery in Dominica and Guyana.

Non-certificate or outreach programmes included:

- The sixth renewal of the Regional Schools Food and Nutrition Quiz hosted by the Caribbean Food and Nutrition Institute (CFNI), which took place in November 2002. Eleven countries participated with Bahamas emerging as the winning team and St. Vincent student, Jenese Ashton, as the individual champion.
- Regular teleconferences of the Caribbean Council for Family Physicians and the Department of Child Health. The Vice Chancellor and the University Registrar also continued regular use of the network for administrative meetings.
- The discussion series for sixth formers, held in March 2003, which was adapted to accommodate the introduction of the Caribbean Advanced Proficiency Examinations (CAPE). The Caribbean Examinations Council assisted with the suggestion of topics and presenters.

Library services

Library services continued to be provided through the distance education librarian, Ms. Evadne McLean, Mona Library. Throughout the year, the library actively served learners in the Northern Caribbean as well as the 10 intra-Jamaica sites enrolled in the Social Sciences and Education programmes, including the B.Ed. Secondary programme, which came on stream in January 2003.

In an attempt to make the services offered to the distance learning community mirror those provided for on-campus students, there was a further strengthening of some on-site collections for the Social Sciences and Education programmes, as well as document delivery and book loans to staff and students. Requests for past examination papers have been greatly reduced as students and tutors are now able to access these directly from the on-line catalogue.

Challenges

Challenges persisted in the limitation of space especially at some of the centres throughout Jamaica, difficulty at some sites in identifying qualified persons to tutor some of the second and third level courses for the degree in Management Studies, and the late release of examination results in some courses. Inconsistent participation of tutors in orientation teleconferences with course coordinators was also a problem. It is proposed to make attendance by tutors at these teleconferences obligatory.

The Ocho Rios Centre got approval to convert two containers into four classrooms.

Mona Summer Workshop for Distance Education Students

The Office of Student Services (OSS) at Mona once again hosted the Summer Workshop for distance education students in the week of July 7, 2003. Students from various centres in Jamaica participated in activities organized by the OSS to better integrate the distance education students into campus life.

Bursary

The second recipient of the Osmond A. Tomlinson Scholarship Trust Fund bursary to assist a student in the parish of St. Ann registered through the UWI Distance Education Centre was made on August 29, 2002. The bursary, valued at \$15,000 was awarded to Percival Bernard, a returning education student at the Ocho Rios centre.

Telecommunications Network and Web development

The total number of programming hours for which the teleconference network was used was 2,090 with 1,321.5 hours (63.23%) used for teaching purposes and 768.5 hours (36.77%) for non-teaching purposes. This represents an increase of some 35% or 545.5 hours over the previous year's usage of some 1,544.5 hours.

The network also experienced increased usage for e-mail, electronic file transfer and the introduction of on-line course delivery using the WebCT Web environment. The increase in computer mediated communication in UWIDEC's delivery and administration highlighted the need to replace the existing obsolete computers and the need to

increase the bandwidth to the Internet and the bandwidth within the UWIDEC network.

In March 2003, as part of a pilot project, the network in Trinidad and Tobago was migrated to frame relay. The goal of the project was to determine the capability of the frame relay network for carrying the audio conference traffic without any reduction in quality. On July 24, 2003, a contract was signed with Cable & Wireless to migrate all the current international network connections to international frame relay at a reduced recurrent monthly cost of US\$28,576.50. The current monthly cost of international network connections is US\$40,896.00.

In July 2003, a contract was signed with Western NRG Inc. in California USA to provide maintenance for all the routers in the 16 country network at an annual cost of US\$15,605.

A concerted effort was made to improve the UWIDEC Web pages by way of improving their design and adding a few new functionalities. The envisaged improvements, however, are subject to the outcome of the initiatives taken by the three campuses to rationalize all Web publishing.

The centre at Vere Technical High School in Jamaica was provided with leased circuits, thus all the centres in Jamaica are currently on leased circuits.

The temporary, part-time lab technician in Ocho Rios, Mr. Bryan Walcott, was instrumental in the development of a student database used for disseminating information via email to students' cellular telephones. It is hoped to replicate this at the other centres in Jamaica.

Projects

B. Ed. Secondary Programme

Delivery of the B.Ed. Secondary courses began in January 2003 under the Ministry of Education and Culture-funded project to offer programmes in 10 disciplines over the course of 11 years. This project is managed out of the Faculty of Humanities and Education, with the involvement of UWIDEC in the training, development and delivery aspects of the project. UWIDEC is also represented on the Project Advisory Committee.

Starting in February 2003, both the Curriculum Development Specialist (Acting), Ms. Charmaine McKenzie, and the Web Administrator, Mr Howard Smith, have been participating in meetings of the Electronically Enhanced Teaching/Learning Task Force convened by the Project Coordinator, Mrs. Gloria Morgan. These meetings seek to discuss and assess the viability of various delivery modes in an effort to move expeditiously towards the use of on-line delivery modes for the courses.

Just-In-Time Lecture (JIT-L)

In continuation of the OAS project for the provision of equipment and training in the use of the Just-In-Time Lecture software, which enabled the combination of PowerPoint presentations, video clips, frequently-asked-questions, and other computer-based applications for teaching purposes, regional workshops were held in Trinidad, June 3-6, 2003, and Jamaica, June 24-27, 2003. The workshops covered the JIT-L and the issues associated with using the technology. The audience included a cross-section of Site Coordinators, Technicians, Course Coordinators and Tutors across the region. Dell Servers provided for the three campuses in this phase of the project were still to be implemented.

Gender and Development Studies

The delivery of courses for the Certificate in Gender and Development Studies began in January 2003.

UNESCO/Japanese Funds in Trust

In January 2003, a project agreement was signed with UNESCO for the Caribbean Universities Project for Integrated Distance Education (CUPIDE), a collaborative project for human resource development in electronically enhanced teaching, administration and material distribution. Funded through the Japanese Funds in Trust for Capacity Building and involving five universities (UWI, University of Technology [Jamaica]; Anton de Kom University of Suriname, University of Guyana, and Quisqueya University [Haiti]), the UWI is the executing entity, with the Mona Campus Coordinator and Senior Projects Officer, Christine Marrett, as project manager. Miss Carol-Marie D'Azevedo was hired as project assistant in February 2003.

Two major activities undertaken for the period under review were the selection of Mr. Ken Sylvester as the Information Technology Consultant in July 2003, and work on the establishment of a regional association for distance education. Further information can be gleaned from the project Web-site at www.cupide.org.jm.

EDSAT-Americas

The EDSAT-Americas Project to establish hemisphere-wide telecommunication infrastructure to support collaboration in health and education came to a standstill.

Training/Orientation

Training activities organized by UWIDEC included (i) orientation sessions for students (ii) tutor training workshops; (iii) course writers' workshops; and (iv) orientation/training sessions for teaching at a distance, including managing a teleconference session, good audio-teleconferencing techniques and various logistics related to distance delivery.

During July 24-27, 2003, two regional training workshops were held supported by the OAS on Just-In-Time Lectures (JIT-L). The workshops were intended to introduce the participants to the JIT-L technology and their potential role in its implementation when it forms part of the UWIDEC course package. The first in the series targeted Technicians and Administrative Staff, while the second targeted Tutors and Course Coordinators.

Mr Howard Smith, Mona's Web Administrator, attended a training course in Course Development in Atlanta, Georgia in February 2003.

Counselling the Adult Learner

In response to a request by UWIDEC site staff in Jamaica to have training in counselling, UWIDEC arranged a short course in Counselling the Adult Learner, presented by Mrs. Lilith Williams, Coordinator of the MSc Counselling Programme. The module was adapted from the course of the same name, which had been offered as part of the Certificate in Adult Education. Staff who completed the programme by passing the end of module test were awarded a certificate of completion, while those who

did not sit or pass the test but attended at least 3 of the 5 teleconferences were given a certificate of participation.

Legal Issues in Distance Education

Ms. Charmaine McKenzie, Ms. Christine Marrett and Ms. Jerome Perkins attended a seminar organized by the Legal Unit and supported by the Ford Foundation, titled “Legal Issues in Distance Education”, on February 27, 2003. The presenter was Dr. Johnathan Alger.

Computer training programme

Following the successful training of UWDEC staff in computer applications by distance the previous year, the Mona Institute of Applied Sciences (MIAS) began offering a similar training programme for the public.

Exhibitions

Mr. Donovan Grant, Graphic Artist, was instrumental in UWIDEDEC’s participation in

- Research Day, Mona Campus February 2003
- Joint Committee for Tertiary Education Conference, Jamaica Pegasus Hotel, May 1, 2003

Meetings and Conferences

The UWIDEDEC senior staff attended several meetings and conferences including:

- *UWIDEDEC Senior Staff Retreat* September 30 – October 2, 2002, in Trinidad and Tobago.

Academic Programme Committee

Ms. Vilma McClenan and Ms. Christine Marrett attended the first meeting of the Academic Programme Committee, Barbados, on March 14, 2003.

CARADOL Constitution Sub-Committee

Ms. Vilma McClenan co-chaired the first meeting of the CUPIDE Constitution sub-committee for the establishment of CARADOL – the fledgling Caribbean Association for Distance and Open Learning. She drafted the Constitution for this association and presented it to CUPIDE, under which project the initiative to establish the regional association falls.

Jamaican Association for Distance and Open Learning (JADOL)

UWIDEC is an institutional member of JADOL and its office at Mona continued to serve as the mailing address. Ms. Marrett serves as Treasurer and convenor of the membership committee. Ms. Vilma McClenan, Ms. Charmaine McKenzie and Mr. Derrick Thompson are members.

Ms. Marrett was integrally involved in the planning and staging of activities for JADOL Week, October 20-25, 2002.

Ms. Marrett also assisted in the organization of a public lecture held in Mandeville, presented by Mr. Seymour Riley on distance education in support of adult education in March 2003, and a panel presentation by distance learning students in July 2003.

RESEARCH IN PROGRESS

Christine Marrett

- Faculty participation in distance education at the University of the South Pacific, the University of Swaziland and UWI.
- Institutional collaboration in distance education at the tertiary level as an aspect of human resource development in the small, developing countries of the Caribbean (Ph.D. thesis)

Staff

At the UWIDEC office, Mona, the Senior Programme Officer, Christine Marrett, continued in the role of Campus Coordinator. For the third year in succession, the Editor, Miss Charmaine McKenzie, continued to act as Curriculum Development Specialist. A part-time Editor, Ms. Paulette Bell, joined the section in February 2003 for a period of six months. Miss Monica Wint continued to work as Production Assistant

and Miss Pauline Osbourne, the section's second Production Assistant, went on maternity leave in June 2002 and returned in October 2002. Mrs Annika Lewinson-Morgan worked in her stead over the period. Mr Donavan Grant continued in the post of Graphic Artist.

The post of Web Administrator (filled by Mr. Howard Smith), which had previously been financed from extra-budget funds, was included in the budget for 2002/2003. Mr. Derrick Thompson continued as Deputy Telecommunications Manager. Funding for part-time computer lab technicians for the intra-Jamaica sites was approved for academic year 2002-2003. However, the posts had not been advertised up to the end of the period. It is anticipated that this will be done early in the new year.

Mr. Sheldon Cardoza joined the technical staff at UWIDEC Montego Bay, November 1, 2001, and Mr. Yhan Campbell joined the technical staff at Mona in February 2003.

Following the week of Orientation activities for new and returning distance students, the Academic Programme Coordinator, Vilma McClenan proceeded on local leave for semester 1, primarily to carry out some training and to do writing in intensive workshop sessions. Her duties were undertaken by Mr. Orville Beckford. (Mr. Beckford also acted as Administrative Officer, Ocho Rios, while Ms. Perkins was on study leave February-March, 2003). Mrs. Beryl Cunningham and Ms. Alecia Walters continued working as part of the team responsible for the delivery of programmes.

Other staff members at the UWIDEC Office, Mona, were Ms. Elaine Bolton, Administrative Assistant; Ms. Dionne Cope, Receptionist; Ms. Brigitte Frazer, Chief Office Attendant; and Mr. Howard Williams, Senior Office Attendant.

For the year under review, the person appointed by the host institution to oversee the management of the Centre in Mandeville, Mr. Karlem Mair, handed over responsibility for UWIDEC matters to Ms. Carmen Bailey. Mr. Cardovan Jackson, Principal of Paul Bogle Junior High School assumed position as the Morant Bay Site Coordinator with effect from November 1, 2002, following on the retirement of Mrs. Ivet Russell.

Ms. Aneisha Welsh (Administrative Assistant, Morant Bay) completed her B.Sc. degree, while Ms. Rhona White, Site Coordinator, Mona, completed the Diploma in Population and Development.

The Administrative Assistants in Ocho Rios, Brown's Town, Mandeville, Vere and Savanna-la-mar continued their studies in B.Sc. Management by distance. Ms. Jerome Perkins, Administrative Officer, Ocho Rios, was on leave of absence from her doctoral programme. Mr. Howard Smith, Web Administrator, continued the Masters in Information Systems, Ms. Christine Marrett continued her PhD with the Sir Arthur Lewis Institute for Social and Economic Studies, and Ms. Charmaine McKenzie registered for the M.Phil History. Ms. Monica Wint continued as a part time student at the Mona Campus pursuing the Certificate in Social Services and Social Work.

PAPER PRESENTED

Vilma McClenan

- “Violations to the Right to Education of Persons with Disabilities”, at an International Tribunal convened by the ICAE in September 2002 in Montreal.

Christine Marrett

- “Challenges of teaching-learning at a distance”, presentation to Mona campus staff, August 22, 2002.

PUBLICATIONS

- * McClenan, Vilma et alia, (2003) *Carlong Primary Integrated Studies Year 1*; “Getting to know me” and “Getting to know my body”; Carlong Publishers (Caribbean) Ltd.
- * Austin, I and Marrett, C. (Eds) (2002) *Adult Education in Caribbean Universities*, UNESCO.
- * Marrett, C and Turner, G. (2002) “Open learning and adult education in Jamaica: the case of the University of the West Indies (UWI) and the University of Technology, Jamaica (UTech)”, in Austin, I and Marrett, C. (Eds) *Adult Education in Caribbean Universities*. UNESCO.

Tributes

UWIDEC joined with other members of the university community in mourning the passing of Ms. Pam Morris and Dr. Peter Whitely, both of whom had contributed to distance education at UWI.

PUBLIC SERVICE

Charmaine McKenzie

- Member, Jamaican Historical Society – Editor of its Bulletin
- Member, Jamaican Association for Distance and Open Learning (JADOL)
- Member, St. Hugh's Past Students' Association (SHPSA) – Co-editor of its Newsletter
- Editor, Grade Kennedy Foundation in Lecture, 2003

Jerome Perkins

- Member, Association of Caribbean Higher Education Administrators (ACHEA).
- Executive Member, Caribbean Tertiary Level Personnel Association.
- Member, American College Personnel Association.

Vilma McClenan

- Caribbean Vice-president, Executive of the International Council for Adult Education (ICAE)
- Member, Jamaican Council for Adult Education's (JACAE) Adult Education Week Committee
- Member, Jamaican Association for Distance and Open Learning (JADOL)
- Member, special committee to redefine JAMAL's Mission and to decide upon a new name

- Member, Steering Committee of the Early Childhood Environmental Resource Centre of Shortwood Teachers' College.

Christine Marrett

- Treasurer, Jamaican Association of Distance and Open Learning (JADOL)
- Convenor, JADOL Membership Committee
- Secretary, Proprietors' Strata Plan 375
- Executive Member, Proprietors' Strata Plan 65
- Executive Member, St. Hugh's Past Students' Association and Member of its public relations and other committees
- Director, St. Hugh's Past Students' Foundation
- Member, Association of Caribbean Higher Education Administrators (ACHEA)

Derrick Thompson

- Member, Jamaican Association for Distance and Open Learning

AWARDS

Vilma McClenan

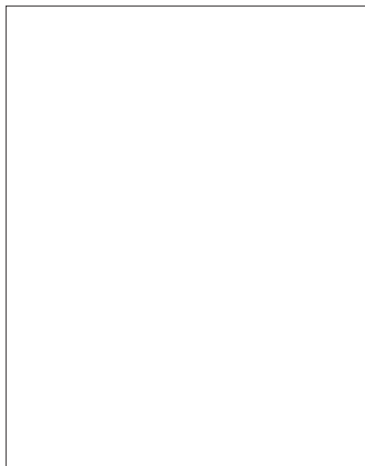
Received a citation from the Jamaican Council for Adult Education (JACAE) in December 2002 "to honour her considerable contributions to adult education at the national, regional and international levels."

Jerome Perkins

Awarded a Fellowship for university administrators by the Embassy of the United States of America (USA) in February/March 2003. She undertook an assessment of higher education in five states in the USA.

SCHOOL OF CONTINUING STUDIES

Year ending July 31, 2003



Professor Lawrence Carrington, BA *Lond-UCWI*, PhD *UWT* –
Director

OVERVIEW

During the academic year 2002-2003, the School of Continuing Studies implemented a range of activities designed to advance and strengthen outreach and public education initiatives, lifelong learning, programme development and institutional management.

The Caribbean Child Development Centre continued to implement a strong and varied programme of research, technical assistance and the dissemination of information. The first Journal of the UWI Children's Issues Coalition was published. The journal, *Caribbean Childhoods: From Research to Action* was co-edited by the Tutor/Coordinator of the CCDC.

During the academic year the Social Welfare Training Centre celebrated the **40th Anniversary** of the Centre. SWTC hosted a week of celebrations including seminars, public lectures, an open day and a special banquet to commemorate the milestone. The Centre was lauded for its contributions to the training of para-professional social workers throughout the Caribbean and its innovative outreach work in institutional development.

Jamaica Western collaborated with the Office of the Deputy Principal, UWI, Mona to host a series of public lectures in Montego Bay, under the theme, **“The University in the West”**. The Centre focused on creating a student-centred environment and a number of new measures and procedural arrangements were put in place to create greater efficiency in student management.

The Trade Union Education Institute held a workshop to prepare Caribbean Trade Unionists for the 1st Caribbean Labour Policy Conference that was held at Mona in April 2003. TUEI also held teaching methodology workshops with support and funding provided by Friedrich Ebert Stiftung (FES) in preparation for the offering of the Certificate in Labour Studies.

Jamaica Eastern continued to record increases in overall enrolment. All programme areas except Psychological Studies, had increased programme enrolment with the most significant growth being made in the Professional and Pre-University and Access programmes. The Centre embarked on a programme of renovation and refurbishment to upgrade the buildings and facilities and also focused attention on re-structuring the administrative procedures to develop effective systems to support and manage student services.

The School made a satisfactory advance in the development and review of programmes. Work on the certificates in administrative professional office management and business management were completed. Both programmes have been upgraded to associate degrees. The development of the associate degree in public sector management and the certificate in labour studies advanced sufficiently and should be ready for delivery in 2003-2004. Work was also started on the development of a Masters programme in adult education.

During the review period, the School significantly advanced work on a quality assurance system. The School has developed an overall framework for quality assurance and has written a quality policy and objectives. Work has started on the development of standardised procedures for administrative and programme operations of the School.

CARIBBEAN CHILD DEVELOPMENT CENTRE

Janet Brown, BA *Hanover Coll (Ind.)*, MSW *Col* – Tutor/Coordinator

WORK OF THE DEPARTMENT

During the review period the Caribbean Child Development Centre (CCDC) advanced a number of activities to consolidate and strengthen research initiatives, capacity building in the sector, and the sharing of information on early childhood development (ECD). Work continued on the Child Focus II project, the Profiles Project and a new collaborative initiative was implemented in Montego-Bay. The Friday Forum continued together with the regional teleconferences for sharing information on research and policy initiatives in the sector.

Janet Brown acted as Tutor/Coordinator SWTC during Mr. Williams' study leave.

Public Education & Outreach

CCDC held a workshop on *Leadership and Management Development for Early Childhood Associations in the Caribbean*, Port-of-Spain, Trinidad and Tobago, March 10-13, 2003. Two officials from nascent or established Associations in 19 Caribbean countries plus two officers of the Caribbean Early Childhood Association attended. Outcomes included Plans of Action for each Association, and direction for further in-country technical assistance within the Child Focus Project in Belize and Trinidad and Tobago.

The Friday Forum, a monthly lunch-time discussions of current child and family research continued during this year, organised by CCDC with

help from the Children's Issues Coalition research assistant. Abstracts of the presentations are placed on the ECD Website, www.caribecd.org.jm

With funding support from UNESCO and IDB (Child Focus II Project), CCDC held four regional teleconferences with Early Childhood/Parenting colleagues over the period. These teleconferences have become integral to the regional work of CCDC, serving as platforms for feedback on proposed project activities, planning mechanisms for regional events/workshops, and opportunities for discussion of topics of regional relevance to ECD colleagues.

Institutional cooperation

The Caribbean Child Development Centre obtained funds from UNESCO in early 2002 to implement a project in Montego Bay on HIV/AIDS and the young child. CCDC conducted an investigation in two adjacent communities in Montego Bay of current attitudes and practices within communities and institutions in relation to young children infected and/or affected by HIV/AIDS. The project was developed in consultation with **Dr. Judith Soares**, Acting Resident Tutor, Jamaica Western and Human Resources consultant **Dr. Phyllis Macpherson-Russell**, and in collaboration with UWIHARP and Sam Sharpe Teachers College. The College is concerned to incorporate current HIV/AIDS issues within their curriculum, so for this project student teachers in both the Early Childhood Education and Guidance Counselling specializations were recruited to be local investigators. The research team was led by two consultants from UWIHARP, **Mrs. Hope Ramsay** and **Dr. Sanjana Bhardwaj**. Focus group discussions and stakeholder interviews were conducted in relation to the two communities. The draft final report was presented in October to community participants and to relevant stakeholders. One outcome of this report will be the production of the final report with the methodology outlined for replication in other countries within the region. UWIHARP will take responsibility for incorporating lessons learned into curricula being developed for the relevant programmes in teachers colleges.

During the review period the Children's Issues Coalition (ChIC) published a new Journal: *Caribbean Childhoods: From Research to Action*. **Janet Brown** served as co-editor for Volume I on Early Childhood issues. This volume, funded by UNICEF, is to be launched in October 2003. ChIC also managed a project funded by the Environmental Foundation of Jamaica, collecting all research data and reports on

children's issues: health, nutrition, education, behaviour, policy, for dissemination as a database with a content review document

The Tutor/Coordinator represented CCDC/UWI at a number of international and regional meetings including the International Consultative Group on Early Childhood Care and Development Hyatt Hotel, Amman, Jordan, September 18-22, 2002 and the first Regional Working Group on ECD held in Bridgetown, Barbados, June 6-7, 2003 convened by the Human Resources Desk of CARICOM. Sian Williams represented CCDC/UWI at the meeting of Key Institutions of Childwatch International held in Bangkok, Thailand, December 12-14, 2002.

Research and Technical Assistance

Activities under the CCDC Child Focus II project continued. The project aims to strengthen early childhood development in IDB member countries. Participation of additional countries is supported by complementary funding from the Caribbean Development Bank. The project provides technical assistance to governments, through national consultancies and a series of regional workshops. The main activities in this period included:

- Primary research into childrearing practices in Trinidad and Tobago and Dominica, undertaken by principal researcher Professor Christine Barrow, in collaboration with the Caribbean Support Initiative (Bernard van Leer Foundation).
- Development of legislation and standards for early childhood in Suriname.
- Leadership and management training for early childhood regional and national associations in a regional workshop in Port of Spain, Trinidad and Tobago, March 2003.

CCDC successfully negotiated UNESCO funding for the UNESCO Cooperating Centre for early childhood in the Caribbean Region. This project is designed to strengthen regional cooperation and information sharing and provides a support network between early childhood organisations in 19 Caribbean countries. Activities funded during the period include the regional teleconferences and the newsletter *Caribbean Link*, the Montego Bay HIV/AIDS project and the establishment of data

systems for measurement of quality indicators of early childhood environments in selected countries.

PAPERS PRESENTED

Brown Janet

- “Fatherwork in the Caribbean”, Conference on Involving Men in Gender and Reproductive Health Issues, for Latin America and the Caribbean, Rio de Janeiro September 2002.
- (with Barker, Gary). “Diversity and Trends in Fatherhood around the World”, Fatherhood Summit, Christ Church, Oxford, U.K., March 25 – 28, 2003.
- “Work on Fatherhood Issues within the Caribbean”, UNESCO Regional Conference on Gender, UWI Mona, January 30-31, 2003
- “International and regional trends in fatherhood”, SWTC 40th Anniversary Seminar Panel on Fatherhood, UWI, Mona, April 23, 2003.

Williams Sian

- “The national survey of the quality of early childhood environments. What can we do to improve quality?”, National Workshop for Heads of Early Childhood Services, Castries, St Lucia, November 1, 2002 .

PUBLICATIONS

Refereed

- * **Brown, J.** and Davies, R. (Eds.) (2003) *Caribbean Childhoods: From Research to Action*. Journal of the Children’s Issues Coalition, University of the West Indies, Volume 1: Contemporary Issues in Early Childhood. Kingston, Jamaica: Ian Randle Publishers.
- * Brown, Janet. “Developing an early childhood profession in the Caribbean”, in *Caribbean Childhoods: From Research to Action*. Vol

1: Contemporary Issues in Early Childhood. J. Brown and R. Davies (eds.) Kingston, Jamaica: Ian Randle Publishers, 2003, 14pp.

- * **Brown, Janet**, Samms-Vaughan, Maureen and **Williams, Sian**. “Determining early childhood indicators for Jamaica: a methodological approach”, in *Caribbean Childhoods: From Research to Action*. Vol 1: Contemporary Issues in Early Childhood. J. Brown and R. Davies (eds.) Kingston, Jamaica: Ian Randle Publishers, 2003, 14pp.
- * **Brown, Janet** and **Williams, Sian**. “The Caribbean: Securing the ECD policy agenda” *Coordinators’ Notebook* Issue 27, (2003) Journal of the Consultative Group on Early Childhood Care and Development, School of Education, Toronto, Canada: Ryerson University, 16pp.

Non-refereed

- * Brown, Janet, “Early Childhood Investments in St. Kitts & Nevis: A model for the Caribbean?”, in *Beyond Walls: Multi-Disciplinary Perspectives: Volume I: St. Kitts & Nevis*. S. Augier and O. Edgecombe-Howell (eds.). Trinidad: School of Continuing Studies, UWI, St. Augustine 2002
- * Brown, Janet, “Gender and family in the Caribbean”, *Sexual Health Exchange Bulletin*, 2002/04, WHO publication
- * Williams, Sian. “The effects of structural adjustment programs on the lives of children in Jamaica”, in *Globalization and Children. Exploring potentials for enhancing opportunities in the lives of children and youth*. N.H. Kaufman and I. Rizzini, (eds.) New York: Kluwer Academic/Plenum Publishers, 2002.

Departmental Publications

- * CCDC produces an 8-12 page newsletter, *Caribbean LINK on Early Childhood Development* that summarises for the wider region the content of each regional teleconference, adding other regional and national ECD news. Four issues were produced during this reporting period, and are available on the ECD website.

PUBLIC SERVICE

Janet Brown

- Member, Treasurer, Parenting Partners
- Member, Integration Advisory Committee: Government and NGO task force on ECD
- Member, Coordinating Committee for National Plan of Action for Children
- Member, Public Education Committee for the pending Early Childhood Commission
- Member, Steering Committee for the MOEYC Enhancing Basic Schools Project
- Member, Steering Committee for IDB-funded consultancy project with PIOJ on financing the early childhood sector.
- Member, Inter-Institutional Steering Committee of the Profiles Project

Sian Williams

- Member, Inter-Institutional Steering Committee of the Profiles Project,
- Chair, Early Childhood Lead Group, NCTVET

SOCIAL WELFARE TRAINING CENTRE

Lincoln Williams, BA *East Anglia*, PGCE, MA *Lond*, Dip. Youth & Community Work *Avery Hill* – Tutor/Coordinator

WORK OF THE DEPARTMENT

The year 2003 was a very special one for the Social Welfare Training Centre (SWTC). Staff, students (past and present) and friends joined together in April to celebrate the **40th Anniversary** of the Centre. A week of celebrations included seminars, public lectures, an open day and a special banquet. The celebrations enabled all those who participated to reflect on the contributions the Centre has made to the training of para-professional social workers throughout the Caribbean and the Centre's innovative outreach work in institutional development over the past forty years. It is imperative that the Centre builds on these successes so that it can be even more successful over the next forty years.

SWTC continued to offer regional courses for para-professional social workers; seminars and workshops for youth leaders and non-governmental organisations. The Centre continued to participate in a number of regional and international associations engaged in the development of the social work profession. **Mr. Williams** was honoured for his work in assisting with the development of the Association of Caribbean Social Work Educators (ACSWE) over the past nine years of his Presidency of the organisation and recognized by the International Association of the Schools of Social Work (IASSW) for his contribution to the work of the Board over the past eight years.

The SWTC continued to make a valuable contribution to the development of the social work profession and the discipline of social work in the Caribbean. In addition to being the organisational base for the ACSWE, the Centre played a key coordinating role in the planning of the

Association's very successful 6th Biennial Conference held in Barbados, July 28–August 1, 2003.

The Tutor/Cordinator was granted study leave for three months from April 7-July 10, 2003 during which he attended the Executive Board meeting of the IASSW in New Zealand.

The development of the Centre continued to be hampered by lack of investment in its infrastructure and the absence of a full-time programme development officer. The failure to undertake preventative repairs will not only impact negatively on the development of the Centre but will also entail the University in greater expenditure in the future.

Continuing Education

The Centre continued to offer its two main courses, the Regional Four Month Course in the Principles and Practice of Social Work and the Certificate in Social Services (CSS). All 40 students on the Four Month course successfully completed the course. Fifty-five (55) students (32 full-time, 23 part time) from 30 government and non-governmental agencies enrolled in the CSS course in 2002/03 and SWTC recorded a 93% success rate.

The Class of 2003 in the Regional Four Month course had a student body of 40 persons from six Caribbean countries; Antigua, Belize, British Virgin Islands, Montserrat, St. Vincent and the Grenadines and Jamaica. For the practicum, fifteen agencies were selected in Jamaica and thirty-seven (37) students were assigned to fieldwork here in Jamaica. In addition, 3 members of the Jamaica Constabulary Force were facilitated in Puerto Rico to observe the social conditions and intervention strategies used by various social agencies with support from the University of Puerto Rico.

Public Education & Outreach

SWTC organized two workshops during the review period. *Capacity Building For Project Cycle Management* was held August to September 2002. The aim of the workshop was to build the capacity of 159 development practitioners to better manage projects in 50 organisations. The feedback from participants and their agencies was extremely positive. Given the success of the course the Japanese Embassy expressed an interest in funding another workshop.

The workshop *Empowering Youth* took place in July 2003 and was organised in conjunction with the National Centre for Youth Development (NCYD). The workshop was part of the induction training for 35 newly appointed Youth Empowerment Officers (YEOs) of the NCYD. SWTC continues to work closely with NCYD to develop the effectiveness of the Jamaican youth service. The appointment of these YEOs represents a major investment in the youth service and it is imperative that they are well trained. The workshop enabled these workers to review the research on youth and to discuss intervention strategies with the Tutor/Coordinator of SWTC.

The Social Welfare Training Centre played a key role in organising the 6th Biennial Conference of the Association of Caribbean Social Work Educators (ACSWE), held July 28 – August 1, 2003 in Barbados with the theme *Creating Connections Among Caribbean People*. The principal purpose of the conference was to stimulate research and publication in the field of social work in the Caribbean, United States, Canada, Britain, Africa and India. The conference was extremely successful and attracted over three hundred participants from all over the world. It was noteworthy that in comparison to the previous conferences, a far higher proportion of the participants came from the Caribbean. Selected papers from the conference will be published in Volume 3 of the Association's *Caribbean Journal of Social Work*. The conference also proved to be a good networking experience, with several American universities attending with the expressed objective of establishing connections with individual scholars and tertiary institutions teaching social work in the Caribbean.

Institutional cooperation

The Tutor/Coordinator represented the Vice-Chancellor at the Regional Inter-Agency Meeting on Youth. The Tutor/Coordinator has also collaborated with the CARICOM youth desk on number of regional youth initiatives. The SWTC continued to work closely with the Department of Psychology, Sociology and Social Work in the delivery of courses. The SWTC also collaborates with the department in the *Violence prevention project* and the production of the *Caribbean Journal of Social Work*. The Tutor/Coordinator is the chair of the Editorial Board and the Chief Editor for the *Caribbean Journal of Social Work*.

PAPERS PRESENTED

Williams, Lincoln

- “Adolescence and Violence in Jamaica”, 6th Biennial Conference of the Caribbean Association of Social Work Educators, July 28 - August 1, 2003, Barbados.
- “Current Issues in the Development of the Social Work Profession in the Caribbean”, International Association of Schools of Social work, Board Seminar, January 20-22, 2003. Paper presented to colleagues from the social work departments of universities in New Zealand.
- “The Impact of Globalisation on Social Work Education in the Caribbean”, International Association of Schools of Social Work, Board Seminar, University of Estonia, August 21 -23, 2003. The paper was presented to colleagues from the social work departments in Universities in Helsinki and Estonia.

PUBLICATIONS

Refereed

- * Maxwell, J. **Williams, L.**, Ring, K. and Innette Cambridge. “Caribbean Social Work Education: The University of the West Indies”. *The Caribbean Journal of Social Work*, Vol. 2.
- * Williams, L. Background paper for A World Bank country Study: Caribbean Youth Development- Issues and Policy directions. World Bank, 2003.

Non-refereed

- * Williams L. “The Official Discourse on Youth in St. Kitts and Nevis”, in *Beyond Walls: Multi-Disciplinary Perspectives: Volume I: St. Kitts & Nevis*. S. Augier and O. Edgecombe-Howell (eds.). Trinidad: School of Continuing Studies, UWI, St. Augustine 2002, 210-235.
- * **Williams, L.O.** and Tindigarukayo, J.K. *A Tracer Study of Graduates of the National Youth Service Programme, 2001-2002*. Kingston Jamaica: Ministry of Education, Youth and culture and the Inter-American development Bank, 2003.

- * Carter, Richard and **Williams, Lincoln**. *Support for the Preparation of a Youth Development Programme*, in GOJ/IDB Technical Cooperation No.ATN/JF-7805-JA.

PUBLIC SERVICE

Mr. Williams

- Chair, Editorial Board and Chief Editor, *Caribbean Journal of Social Work*
- Member, Youth Policy Steering Committee, National Youth Development Centre/ National Youth Service
- Member, Organizing Committee, UWI Golf Classic Jamaica AIDS support
- Member, Executive Board, International Association of the Schools of Social Work (IASSW)
- Ex Officio Member Association of Caribbean Social Work Educators (ACSWE)
- Member, Executive Committee Jamaica Association of Social Workers (JASW)

DISTINGUISHED VISITORS

Sarah Newland-Martin, YMCA

Christine Duncan, Planning Institute of Jamaica (PIOJ)

Marlene Miller, Ministry of Labour & Welfare Social Security

Brad Yoder, Manchester University

Kimberly Sandor, Manchester University

Jennifer Morris, Manchester University

Michelle Sachs, Manchester University

Stacy Jenny, Manchester University

Tom & Kay McDade, Pacific Lutheran University

TRADE UNION EDUCATION INSTITUTE

Marva A. Phillips, MSc *Johns Hopkins* – Tutor/Coordinator

WORK OF THE DEPARTMENT

This period was particularly positive and productive for the Trade Union Education Institute (TUEI). The Institute participated in activities related to:

The ILO Programme for the Promotion of Management-Labour Cooperation (PRO-MALCO)

UWI 1st Caribbean Labour Policy Conference

ILO annual International Labour Conference

The Tutor/Coordinator took study leave in March 2003 during which time she attended the International Confederation of Free Trade Unions (ICFTU) 8th World Women's Conference in Melbourne, Australia.

Continuing Education

The second and third teaching methodology workshops in the series were held with support and funding provided by the FES in preparation for the offering of the Certificate in Labour Studies. They were held in October 2002 at the School of Continuing Studies, Trinidad and Tobago and in May 2003 at the TUEI, in Jamaica. The participants at these workshops were drawn from among persons who are engaged in teaching at University Centres across the region.

Outreach

The Trade Union Education Institute undertook the responsibility of preparing Caribbean Trade Unionists for the 1st Caribbean Labour Policy Conference that was held at Mona during the period April 2-5, 2003. This

was done by way of a Pre-Conference Workshop, chaired by **Pro Vice Chancellor Prof. Lawrence Carrington** on April 1. Participants represented the following countries: Antigua, Bahamas, Barbados, Guyana and Trinidad and Tobago. Presenters and panellists were:

Prof. Gordon Shirley, Mona School of Business

Mr. Lincoln Lewis, Caribbean Congress of Labour

Mr. Dwight Nelson, Bustamante Industrial Trade Union

Prof. Richard Phidd, University of Guelph

Mr. Lambert Brown, University and Allied Workers Union

Mr. George DePeana, Caribbean Congress of Labour

RESEARCH IN PROGRESS

- Pedagogical Training: The Leadership of the Caribbean Trade Union Movement & Industrial Relations Practitioner

PAPERS PRESENTED

- **Phillips, Marva A.** “Fighting for our rights: Women in the Trade Union Movement in the Caribbean”, Centre for Gender & Development Studies, Mona.

PUBLIC SERVICE

Ms Phillips

- Council Member, Jamaica Confederation of Trade Unions (JCTU)
- Chair, JCTU Women’s Committee
- Member, Permanent Salaries Review Board – Ministry of Finance
- Member, Pastoral Council – Roman Catholic Archdiocese of Kingston

- Caribbean Representative, Caribbean Congress of Labour (CCL) to Regional Inter-American Workers Association (COMUT, Titular)
- JCTU's Representative, ICFTU/ORIT Continental Congress, Washington D.C.
- CCL's Alternate Representative, ICFTU Women's Committee

DISTINGUISHED VISITORS

Mr. Lincoln Lewis, President, Caribbean Congress of Labour

Mr. George DePeana, General Secretary, Caribbean Congress of Labour

Mr. Robert Giuseppi, President, National Union of Government & Federated Workers, Trinidad and Tobago

Mr. Phillip Walcott, Principal, Critchlow Labour College, Guyana

Mr. Dennis Clarke, National Union of Public Workers, Barbados

Dr. Roodal Moonilal, Member of Parliament, Trinidad and Tobago

Mr. Bryan Rooplal, Labour Officer, Trinidad and Tobago

Ms Faith Innerarity, Ministry of Labour & Social Security, Jamaica

Prof. Tony Bagues, Browns University, USA

Mrs. Judith Wedderburn, Friedrich Ebert Stiftung (FES)

EASTERN JAMAICA
South Camp Road

Cheryl Sloley, BSc UWI, MBA UNO – Resident Tutor & Head
(Acting)

WORK OF THE DEPARTMENT

During the academic year 2002-2003 **Mrs. Cheryl Sloley** acted as Resident Tutor and Head while **Mr. Ken Carter** was on sabbatical leave. Consistent with the operational plan for the School for the review period, Jamaica Eastern focused primarily on:

The development and maintenance of the physical plant to enhance the ambience and adequately support the activities of the school.

This included repainting and renovation of classrooms and the administrative block, re-commissioning of the Tutors' Lounge and the creation of a Students' Lounge.

The re-structuring of the administrative procedures to develop and implement effective systems to support and manage student services.

Work commenced on the development of the student database, student procedures were revised and examination systems improved.

The introduction of new and improved procedures for programmes

A comprehensive Course Review Project commenced, programme evaluation of all current offerings of the School was undertaken and Tutors' and Students' Handbooks were developed.

In consultation with the National Art Gallery, plans are underway for the restoration of the Mural, an original piece of the late Eugene Hyde, at the School. Restoration will be done by **Mr. Fitz Harrack** in consultation

with **Ms Gilou Bauer**, Director/Curator of The Mutual Gallery. The School publicly records appreciation to Ms. Bauer for her voluntary expert advice and to Mr. Harrack who volunteered to restore the mural free of all service charge.

Continuing Education

During the academic year 2002-2003, total programme enrollment was 10,613. In an increasingly competitive environment, Jamaica Eastern recorded increased programme enrolment in all programme areas, except Psychological Studies, with the most significant growth being made in the Professional and Pre-University & Access (CXC/GCE) programmes. Enrollment in the area of Computer Studies continued to record increased numbers, consistent with the general global trends and demands in the IT sector. The School's Pre-University & Access programmes recorded the highest percentage of programme enrollments at 38.5%; Professional programmes at 31%; Computer Studies at 18.65% and Psychological Studies at 11.95% of overall programme enrollment.

Programme Enrolment

Programme Area	Total Enrolment
Computer Studies	1,974
Pre-University & Access Courses	4,091
Professional Studies	3,280
Psychological Studies	1,268
TOTAL	10,613

Institutional Collaboration

The School hosted a one-day workshop in Conflict Management conducted by the Dispute Resolution Foundation (DRF) in July 2003. The initiative promises to be the beginning of a collaborative agreement to be forged between the School of Continuing Studies and the Foundation.

RESEARCH IN PROGRESS

- The Acting Resident Tutor is currently conducting research in the Management of Information Systems for a PhD entitled *The Rise and Fall of Dot.coms and the Lessons for the Developing World*.

PUBLIC SERVICE

- Technical assistance to National Registry of Volunteers (NRV)
- Member, Association of Caribbean Higher Education Administrators (ACHEA)

WESTERN JAMAICA Montego Bay

Judith Soares, BA, MSc *UWI*, PhD *Qu*
– Resident Tutor & Head (Acting)

WORK OF THE DEPARTMENT

During the academic year 2003-2003, **Dr. Judith Soares** acted as Resident Tutor and Head while **Ms Vilma Clarke** was on leave. Over the review period, focus was placed on institutional management with the strengthening of administrative procedures to allow for greater efficiency and high outputs. The School put a lot of emphasis on creating a student-centred environment in order to enhance and encourage student learning. Regular meetings were held with students and tutors. Elements of quality assurance were introduced and measures were put in place for a more efficient student management and the improvement of the administration of examinations.

Continuing Education

Despite competition, for the period under review, the improvement in registrations and enrolment for programme offerings continued. Programmes in Social Work, Supervisory Management and Early Childhood Education continued to attract high enrolment. The table below provides enrolment figures for each programme.

Programme Enrolment

Programme	Student Status						
	New			Continuing			Grand Total
	M	F	T	M	F	T	
A' Level Accounting	1	4	5				5
Business Management New	8	15	23				23
Business Management Continuing				1	3	4	4
Conversational English	0	3	3				3
Conversational French	3	4	7				7
Conversational Spanish	2	12	14				14
Early Childhood Education	2	24	26	0	8	8	34
Fundamentals of English	1	3	4				4
Introduction to Computers	4	13	17				17
Journalism	7	14	21	1	5	6	27
Marketing	5	12	17	0	3	3	20
Microsoft Office	6	9	15				15
Managerial Accounting	0	5	5				5
Social Work	8	24	32	2	8	10	42
Starting & Managing a Small Business	0	3	3				3
Supervisory Management–10 weeks	7	9	16				16
Supervisory Management–1 year	10	33	43	5	15		63
Totals	64	187	251	9	42		302

Public Education & Outreach

The School sponsored two academic/career fairs at Cornwall College (January 2003) and Montego Bay High School (May 2003). Both

fairs attracted secondary school students from and around Montego Bay. Presenters at the fair included representatives from the School of Continuing Studies, UWI, University of Technology, Northern Caribbean University, HEART and Montego Bay Community College.

The School also participated in the National Youth Service Career Exposition which was held on April 11, 2003 to inform secondary school students in Savanna-la-Mar about the career opportunities available to them. The National Youth Service is an agent of government which seeks to provide career opportunities for young people by training them and employing them for a period of six months.

Institutional Cooperation

Jamaica Western collaborated with the Office of the Deputy Principal, UWI, Mona to host a series of public lectures in Montego Bay. Under the theme, **“The University in the West”**, the series comprised five monthly lectures. The lectures which were delivered by UWI academics sought to encourage discussion on issues relevant to the development of Montego Bay. The lectures were as follows.

March 12 – “Tourism and Development in Jamaica” **Dr. Ian Boxill**, Department of Sociology, Psychology & Social Work.

April 9 – “History of Psychiatry and Mental Health in Jamaica” **Prof. Frederick Hickling**, Department of Community Health & Psychiatry.

May 14 – “Digital Dilemmas: Ethical Challenges and the Emerging Technologies in Media and Communication” **Dr. Hopeton Dunn**, CARIMAC.

June 11 – “Combatting Corruption: Challenges to Democratic Governance” **Prof. Trevor Munroe**, Department of Government.

July 9 – “More Fire: Chanting Down Babylon from Bob Marley to Capleton” **Prof. Carolyn Cooper**, Department of Literatures in English.

PAPERS PRESENTED

- Soares Judith. “Gender and the Christian Mission”, Conference on Christian Mission in the Twenty First Century Caribbean, Codrington College, Barbados, March 13, 2003, 14 pp.
- Soares, Judith. “Everyone is Crying Out for Peace, None is Crying for Justice: Livity and the Other Side of Terrorism”, Canadian Association for Caribbean and Latin American Studies (CALACS), Université Montreal du Quebec, Canada, October 26, 2002.

PUBLIC SERVICE

- The School was a member of the following organisations:
- Montego Bay Chamber of Commerce
- Association of Caribbean Higher Education Administrators
- International Third World Leaders Association
- Jamaica Adult Literacy (JAMAL)
- Jamaica Council for Adult Education
- American Society for Training and Development (ASTD)
- Montego Bay Community College Scholarship Committee