

**INSTITUTES AND RESEARCH  
CENTRES LOCATED  
AT MONA**

**Year ending July 31, 2010**

# EARTHQUAKE UNIT

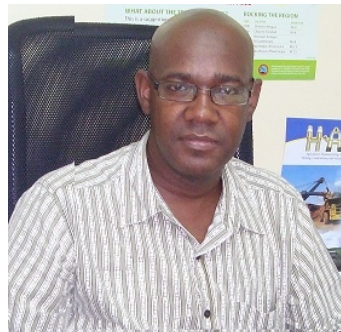
**Lyndon Brown, BSc UWI, MA CUNY, PhD UDEL – Head of Unit**

## **EARTHQUAKE UNIT'S MISSION STATEMENT**

*Through operating the Jamaica Seismograph Network and affiliation with other Caribbean and regional networks, the Earthquake Unit seeks to understand earthquake processes in and around Jamaica and advise the society about earthquake hazards, thereby encouraging earthquake awareness and the application of mitigative strategies to development.*

## **The Earthquake Unit**

In January while celebrating earthquake awareness week, we recorded one of the strongest earthquakes occurring in this region in over a century with several aftershocks. The epicenter of the earthquake was believed at that time to be located along the Enriquillo fault located in an eastward extension of the Plantain Garden Fault (recent research has pointed to the



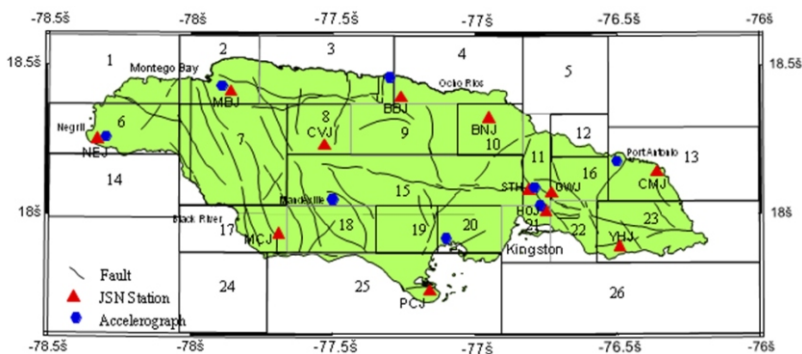
Leogan fault as being responsible for this event). The Enriquillo-Plantain Garden fault runs from Haiti and extends across the southern portion of Hispaniola through the Caribbean Sea to the region of the Plantain Garden River in Jamaica. Through collaborative research with the University of Wisconsin, we have been studying this fault and the major faults in Jamaica for several years using GPS to measure strain accumulation with equipment installed at 36 points across the island and four points offshore at Pedro Cays, Morant Cays, Goat Island and Manatee Bay. Through this research the forecast was made of the likelihood of a magnitude 7.2 size event happening along the Enriquillo Plantain Garden Fault.

As a result of the death toll and devastation resulting from the Haiti event and then later the Chile event, most Jamaicans were made more aware of the effects of earthquakes and the need to prepare. Hence the Unit had an increase in requests for information, providing assistance to safety departments in several organizations. We also fulfilled the increased requests for educational outreach through presentations and talks and took part in several media interviews and panel discussions.

The Earthquake Unit (EQU) is a research unit of the University that is funded directly by the Government of Jamaica (GOJ) as the sole agency responsible for the monitoring of earthquakes and researching seismic hazards in Jamaica. The EQU operates The Jamaica Seismograph Network (JSN) which is a network of 12 analog short period seismograph stations installed across the island (see figure 1). The data from the JSN station is transmitted to the Central Recording Station (CRS) at UWI-Mona in real time using radio equipment where the data is recorded on computers running data acquisition and processing software.

The EQU also operates the Jamaica Strong Motion Network which is a network of 8 accelerographs installed across the island to record ground shaking for larger earthquakes. These instruments operate in a standby mode and start recording when triggered by an earthquake. They provide very important data to be used in seismic hazard assessment, studying the response of sites to ground shaking and provide parameters to be used in constructing or retrofitting important structures.

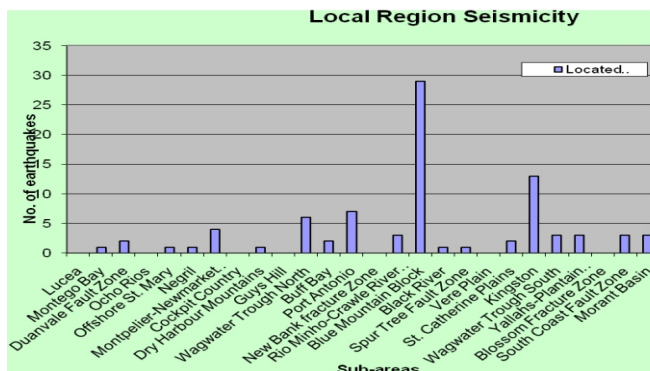
Another area of operation is the GPS network which has over 36 points across the island to monitor fault movement or strain accumulation over time. Finally, Four broadband stations which were temporarily installed as part of a joint project between the Earthquake Unit and the University of Wisconsin to study Jamaica Mantle were returned. However, collaboration continues in the use and processing of the data.



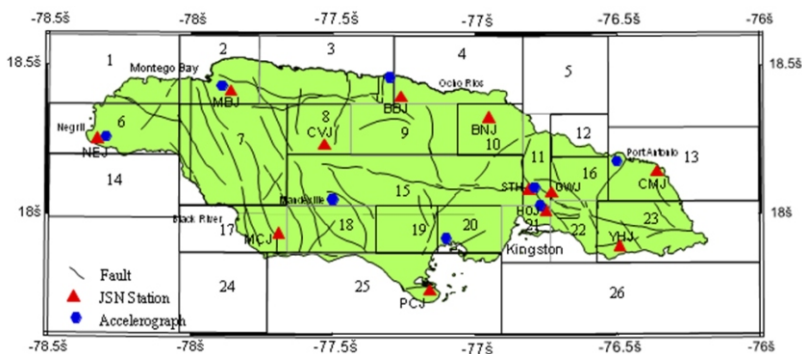
**Figure 1:** Location of instruments forming the Jamaica Seismograph Network that are used to capture and transmit ground motion in and around Jamaica to the Central Recording Station at the Earthquake Unit at UWI, Mona.

## Earthquakes Recorded

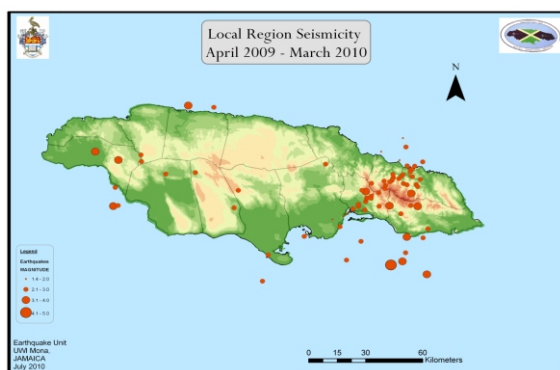
The Jamaica Seismograph Network (JSN) recorded and processed over two hundred and six (206) earthquakes during the period (August 2009 – July 2010). The most active sub-area (as seen in Figure 2) was the Blue Mountain Block (labelled 16 in Figure 3) followed by Kingston (labelled 21 in Figure 3) and the Montpelier-Newmarket Belt (labelled 7 in Figure 3). There were seven (7) felt earthquakes during this period with the largest magnitude being 7.0 which occurred near Port-au-Prince, Haiti on January 12. This was reported felt in eastern parishes of the island.



**Figure 2:** Seismic activities according to different Sub-Area for August 2009 – July 2010



**Figure 3:** The Jamaica Seismograph Network local region sub areas and the major fault lines across the island.



**Figure 4:** Seismic activity within the local region sub-areas of Jamaica for the period of April 2009 – March 2010

## Activities at the Unit

The EQU host visits from schools and the public each year in educating the public at large about earthquakes. For this year we had 23 schools (see Table 1) visiting the unit with over one thousand students and sixty teachers (table 1). In addition, several presentations were made to organizations where staff members visited on invitation. There were also several media interviews and forum to discuss matters relating to earthquakes and development.

In expanding the Jamaica Strong Motion Network we started work with several organizations in encouraging them to acquire accelerographs for installation at important facilities to build a database of strong ground motion data that will be important in improving the seismic codes of Jamaica. Airports Authority of Jamaica and The Norman Manley International Airport (NMIA) has agreed to purchase two units to be installed at the NMIA. The EQU also maintains and operates a Kinemetrics accelerograph purchased by SMADA Consultants which is installed in Half Way Tree. TransJamaican Limited has two accelerographs installed, one on the Hunts Bay Bridge and one at the Toll plaza in Portmore. The EQU is in a contractual arrangement with TransJamaican Highway to maintain and use data from these instruments. There are continued discussions with other organizations to install these instruments on their buildings to improve the seismic network across Jamaica and at the same time use these instruments to monitor structural integrity.

## **Success & Challenges of the EQU**

For 2009/2010 several challenges were faced in achieving set targets as a result of a reduction in the EQU's budget. For the financial year 2009-2010, the unit received a shortfall in the request from 36 million to 25 million dollars. Necessary upgrades and modernization of equipment that were planned for the unit had to be postponed. The EQU continues to seek funding through partnership with other institutions and grant proposals and, in general, assistance from corporate Jamaica in helping to improve the network. Once funding becomes available the upgrade will be done on a phased basis. The strong motion study that the EQU had been undergoing with the University of Wisconsin has ended and as such the unit now does not have any broadband instruments in its possession. After the Haiti event and after strong request to the Government and Private sector, the Unit has received funding from the Office of Disaster Preparedness and Emergency Management (ODPEM) to purchase one of these instruments. The short term goal is to obtain three of these instruments in order to move the unit from an analog system to a digital system in order to better use earthquake signals in our research and also to provide more real time data to disaster relief agencies. We are currently

involved in several joint projects with the University of Wisconsin which provides some level of funding for projects such as the Jamaica Mantle Study and the GPS project.

We are currently working to meet most of our targets set out in our 2009/2010 operational plan. We have not been able to purchase spares necessary to maintain the network and hence the technical staff has to spend more time in maintaining the network by doing repairs in the laboratory and in the fields. For this period over 55 trips were made in the fields to install equipment to collect data, repair seismograph stations and collect intensity reports after felt earthquakes.

## **Projects**

### **Global Positioning System (GPS) Network (In collaboration with The University of Wisconsin at Madison)**

In monitoring deformation and movements across faults in Jamaica, the EQU continues to install equipment to collect data at thirty-six (36) GPS sites across the island with four of these points being offshore at Morant Cay, Pedro Banks, Goat Island and Manatee Bay. Sites are occupied for a minimum period of seven (7) days after which the equipment collected and the data downloaded and processed. There are two (2) continuous GPS stations, one at Portland Cottage in Clarendon and the other at Mount Denham/Pike in Manchester where trips are made periodically to download data for analysis. Arrangements were also made with the Jamaica Defence Force (JDF) Coast Guard to transport EQU staff and equipment to Pedro Banks and Morant Cays.

### **Global Seismograph Network/Caribbean Tsunami Warning System**

The Earthquake Unit accesses the earthquake data from the Global Seismograph Network (GSN) station at Mount Denham/Pike MTDJ. We are also in the process of tying this in with the local network data to provide immediate solutions of earthquake data using the open source Earthworm software.

## **CTBTO (Comprehensive Nuclear Test Ban Treaty Organisation) National Data Centre (NDC) activities.**

The EQU continues to operate the National Data Center (NDC) at the Central Recording Station (CRS), Mona. The Earthquake Unit is linked to the International Data Center (IDC) in Vienna and has access to the data from the CTBTO's International Monitoring System.

## **Funding/Consultation**

The Earthquake Unit has undertaken a number of consultations during this year, among these are:

NEM Project to assess the ground acceleration of a theoretical magnitude 7 event along the Plantain Garden Fault with focal mechanism similar to the Haiti event.– **\$J289,000.00**

Jamaica Energy Partners: Ground acceleration study along proposed power plant site: **\$J98,000.00**

TransJamaican Highway monitoring accelerograph on Tolls Bridge and Plaza – **\$J233,750**

Smaller consultation from Insurance companies or specific events – **J\$30,000**

Funding from Office of Disaster Preparedness and Emergency Management (ODPEM) to purchase a Broadband Seismometer for the Jamaica Seismograph Network upgrade – **J\$2.2 million**

## **Personal Development**

**Lyndon Brown (Research Fellow/Head):** nominated to be a surrogate inspector of the Comprehensive Test Ban Treaty Organization, completed first phase of training in Hungary during June-July, 2010

**Nicaragua:** Caribbean Tsunami Early Warning System (EWS) Consultations and Planning meeting

Trinidad: CROSQ CARICOM Regional Organizations for Standards and Quality: Seismic Risk Atlas for Jamaica.

**Paul Williams (Network Manager/Engineer)**

**Chile:** IRIS (Incorporated Research Institution for Seismology) workshop/training

**Karlene Black (Scientific Officer):** Currently pursuing a Masters degree in Seismology in Japan through a scholarship funded by the Japan International Corporation Agency (JICA), expected to complete and return to EQU in September 2011.

**Verdine Stephenson (Administrative Assistant):** Completed a B.Sc. in Library Studies from UWI and has returned to the EQU after a one year study leave.

# ELECTRON MICROSCOPY UNIT

Klaus W. Wolf, PhD – Head of Unit

## WORK OF THE UNIT

**R**esearch, teaching, assisting Scientists, Graduate, Undergraduate, and High School students were the main areas on which the Electron Microscopy Unit focused during the 2009/2010 academic year. Combined, the various clients received results from and understanding of the operations and uses of Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), Optical Microscopy (OM) and Macro-Photography (MP). Assistance in setting up of experimental apparatus and repair of equipment were carried out in a few cases. Table 1 summarizes the main specimens investigated and services provided.



**Table1.** Specimens investigated and services provided during the academic year 2009/2010.

| Specimen                         | Technique | Institution                                          |
|----------------------------------|-----------|------------------------------------------------------|
| Ackee waste material             | OM        | Dept. of Life Sciences                               |
| Fish ( <i>Gambusia affinis</i> ) | MP        | Dept. of Life Sciences                               |
| Fungi – various types            | OM        | Dept. of Life Sciences - three different researchers |
| Human blood and tongue           | OM        | Dept. of Physics                                     |
| Human hair                       | OM        | Dept. of Physics                                     |
| Pinned Moths                     | MP        | Dept. of Life Sciences                               |
| Plankton                         | OM        | Dept. of Chemistry                                   |
| Pollen - Pimento                 | OM        | Dept. of Life Sciences                               |
| Rat colon                        | OM        | Basic Med. Sci. (Pharmacology)                       |

|                          |    |                                                      |
|--------------------------|----|------------------------------------------------------|
| Rat knee joints          | OM | Basic Med. Sci.<br>(Pharmacology)                    |
| Repairs to microscopes   | OM | Basic Med. Sci. (Anatomy)                            |
| Repairs to microscopes   | OM | St. Hugh's High School                               |
| Rock sections            | OM | Dept. of Geog. & Geol. -<br>eight different students |
| Sugar cane leaf rust     | OM | Sugar Industry Research<br>Institute                 |
| Tissue culture in plants | OM | Biotechnology Centre                                 |

Lectures and/or laboratory sessions were conducted in Electron Microscopy, OM and Digital Imaging in the undergraduate **Virology** course “BL38A” and the graduate course **Research Methods for Biologists** “BL60E” – both from the Department of Life Sciences, as well as in the graduate course **Research Methods** “C60M”, from the Department of Chemistry.

Contributions to the activities of Research Day included Exhibits, Demonstrations and Posters. Dr Wolf acted as ‘ad hoc’ referee for the journal *Acta Entomologica Musei Nationalis Pragae* and delivered a lecture on “Digital Photography” to the Natural History Society of Jamaica.

## Research in Progress

Gamete structure and development in insects, using various microscopic techniques. Collaborations continue with Zoologists from the University of Salzburg (Austria) and Wittenberg College (USA) on *Ciliates in tank bromeliads* and *Kinetics of spermatogenesis in lizards*, respectively.

## Refereed Publications

- \* Pepple, D., Richards, A., Lowe, D., **Reid, W.**, Younger, N. & Williams, L. (2010). In vitro erythrocytic membrane effects of dibenzyl trisulfide, a secondary metabolite of *Petiveria alliacea*. Available online July 11, 2010 from *Fitoterapia*:  
[http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_u=di=B6VSC-50H7D59-1&\\_user=7232977&\\_coverDate=07%2F11%2F2010&\\_rdoc=1&\\_fmt=high&\\_orig=search&\\_origin=search&\\_sort=d&\\_docanchor=&view=c&\\_acct=C0000600](http://www.sciencedirect.com/science?_ob=ArticleURL&_u=di=B6VSC-50H7D59-1&_user=7232977&_coverDate=07%2F11%2F2010&_rdoc=1&_fmt=high&_orig=search&_origin=search&_sort=d&_docanchor=&view=c&_acct=C0000600)

- \* Foissner, W. Blake, N., **Wolf, K.W.**, Breiner, H-W., & Stoeck, T. (2010). Morphological and molecular characterization of some peritrichs (Ciliophora: Peritrichida) from tank bromeliads, including two new genera: *Orborhabdostyla* and *Vorticellides*. *Acta Protozool.*, 48: 291-319.

### Non-Refereed Publications

- \* **Wolf, K.W.**, and Soppa, J. (2010). Nucleinsäuren, Chromatin und Chromosomen. In Munk, K. (Ed.), *Taschenlebrbuch Biologie Genetik* (pp. 1-49). Stuttgart: Georg Thieme Verlag.
- \* **Wolf, K.W.** (2010). Meiose. In Munk, K. (Ed.), *Taschenlebrbuch Biologie Genetik* (pp. 229-253). Stuttgart: Georg Thieme Verlag.
- \* **Wolf, K.W.** (2010). Formalgenetik. In Munk, K. (Ed.), *Taschenlebrbuch Biologie Genetik* (pp. 254-294). Stuttgart: Georg Thieme Verlag.
- \* **Wolf, K.W.** (2010). Geschlechtsbestimmung. In Munk, K. (Ed.), *Taschenlebrbuch Biologie Genetik* (pp. 295-315). Stuttgart: Georg Thieme Verlag.
- \* **Wolf, K.W.** (2010). Geological wonders lie waiting to be discovered. In A. Ali (Ed.), *Jamaica Absolutely* (pp. 162-165). Great Britain: Hansib Publications.

With a staff complement of two, the per capita publication = 1.

### Targets

The targets for the Unit are to

- continue the core function of assistance to researchers and exposure of interest groups to the benefits and techniques of electron microscopy and
- continue involvement in research and teaching.

# INSTITUTE OF CARIBBEAN STUDIES

**Claudette Williams, BA, MA (UWI), PhD (Stanford)**  
– Acting Director

## WORK OF THE DEPARTMENT

Considerable progress was made in advancing the development of a departmental culture within the Institute while maintaining and enhancing the best features of the Special Project ethos. Curriculum review remained in the forefront of the Institute's agenda as the feasible recommendations of the 2009 External Quality Audit were addressed, especially those relating to the curriculum, teaching and learning activities, and assessment.



### Staff Matters

**Dr. Sonjah Stanley Niaah** and **Dr. Donna Hope Marquis** were promoted to Senior Lecturer. **Dr. Julian Cresser** joined the staff as Lecturer for the Foundation course Caribbean Civilization (FOUN1101). **Dr. Donald Davis, Miss Deborah Hickling, Mr. Dennis Howard, Mrs Nicole Plummer-Rognmo** and **Dr. Rachel Moseley-Wood** continued to provide invaluable teaching assistance as part-time lecturers. Graduate students were also deployed as tutors in courses with large registration. **Dr. Sonjah Stanley Niaah** was awarded a Mona Research Fellowship. Staff members continued their outreach activities through special public presentations and invited lectures.

### Graduate Programme

The MA in Cultural Studies was approved for delivery in September 2010. Guidelines were established for upgrading student registration from MPhil to PhD. In addition, the progress of students registered in the MPhil and PhD programmes was monitored closely in an effort to increase through-put. Two PhD candidates successfully defended their

dissertations, while four other dissertations and one MPhil thesis were submitted for examination. Financial support was provided for two PhD students in the form of departmental awards.

## **Undergraduate programme**

### **Curriculum Review**

In the ongoing curriculum review process the revision of the structure of the Entertainment and Cultural Enterprise Management (ECEM) major was completed. Special attention was paid to assessment, leading to the development of common criteria for grading students' written work. Amendments were made to the assessment procedures for three courses. A complete review of the Foundation course, Caribbean Civilization (**FOUN1101**) began in semester 2. **CLTR1001**- Introduction to the Study of Culture, a new Level 1 course, was taught for the first time. The Cultural Studies Minor was revised and a slate of courses was identified for the Liberal Studies major. The year also saw increased use of ICT to complement face-to-face delivery of courses. There was a significant increase in the number of students admitted to the ECEM programme.

Measures to enhance student-centredness and improve student satisfaction were also pursued.

### **Special Events**

With support from the Principal's office and the US Embassy, the ICS hosted the biennial International Reggae Conference, February 17-20, under the theme "International Reggae: Current and Future Trends in Popular Music." The conference covered a wide range of reggae-related topics and attracted presenters from Japan, Africa, North America, Europe and the Caribbean. Guest speaker for the Opening Ceremony was Minister of Youth, Sports and Culture the Hon. Olivia 'Babsy' Grange. The annual Bob Marley Lecture entitled "Rastafari – Reggae Bob Marley: Africa Scattered for Rhythm of Oneness for the World" and delivered by Mr. Tekla Mekfet, formed part of the conference events. As a new feature of the conference a Special Session, headlined "Music in the Community" was held at the August Town Square. Participants in that session included the Mona Campus Principal and community leaders.

On October 1, the Institute hosted a reception to mark the inaugural Summer Internship for the Entertainment and Cultural Enterprise Management Programme. The function was attended by business partners from various areas of the Entertainment and Cultural Industries, who had provided employment and work experience for 8 students during the summer break.

To commemorate the 1968 Rodney riots in Kingston, the Institute sponsored the screening of a documentary film on the life of Walter Rodney, entitled “W.A.R. Stories: Walter Anthony Rodney” on November 13, 2009. The event was attended by film director Clairmont Chung, as well as other individuals who participated in a discussion of Rodney and shared their experience of the riots.

### **Special Project**

In the first of a series of publications to be undertaken by the Institute, folk philosopher and cultural historian Mr. “Bongo Jerry” Small transcribed a selection of his public lectures, conferences, presentations and talks over the years beginning in the 1970s. This will be the first in a series of book publication projects to be undertaken by the Institute.

### **PAPERS PRESENTED**

- **Hope Marquis, Donna.** “From Boom Bye Bye to Chi Chi Man: Exploring Homophobia in Jamaican Dancehall Culture”. Caribbean Conference on Literature, Culture and Identity, University College of the Cayman Islands, March 11-12, 20pp.
- **Stanley Niaah, Sonjah.** “Odes to the Atlantic: Imagining Limbo into the 21st Century”, Caribbeanscapes: The Vistas of Caribbean Literature”, 29th Annual West Indian Literature Conference, UWI Mona, April 29 - May 1.
- **Stanley Niaah, Sonjah.** “Gully vs Gaza: Theorizing Violence, Fandom and Factions in Jamaican Dancehall Performance” 35th Annual Caribbean Studies Association Conference, Barbados, May 24-28

- **Stanley Niaah, Sonjah.** “Performing Geography, Ritual and Power” 8th International Crossroads in Cultural Studies Conference, Lingnan University, Hong Kong, June 17-21

**Papers presented at International Reggae Conference 2010, UWI, Mona, February 17-20, 2010**

- **Hope Marquis, Donna.** “Dancehall, Violence and Jamaican Youth: An Empirical Synopsis”. 17 pp.
- **Niaah, Jalani.** “Bob Marley country.”
- **Stanley Niaah, Sonjah.** ‘Gully vs. Gaza: Feuds, Factions and Fueling Fandom in Jamaican Dancehall Performance’
- **Campbell, Winston.** “Suppose a God Song Mi did a Sing’: A Case Study on Lyrical Typecasting in 21<sup>st</sup> Century Dancehall.”
- **Campbell, Winston.** “When Did Dancehall Cease to Exist? Thematic Engagement of Dancehall Lyrics of the 90s and 21<sup>st</sup> Century,”
- **Cooke, Melville.** “Falling Out: When the Sponsors Conduct Dancehall”
- **Chamberlain, Joshua.** “Control Dis: Jamaican Sound System Influence on Media Regulation.”
- **Howard, Dennis.** “Genre Bonding and Defiance in Kingston’s Creative Commune: Genre Development in Jamaica”
- **Webster-Prince, Maureen.** “Putting up resistance: Reggae in Radio Serial Drama”

## **PUBLICATIONS**

### **Refereed**

#### **Hope Marquis, Donna**

- \* Man Vibes: Masculinities in the Jamaican Dancehall. Jamaica: Ian Randle Publishers, 267 pp.

- \* “From the Stage to the Grave: Exploring Celebrity Funerals in Dancehall Culture” *International Journal of Cultural Studies*, Volume 13, No. 3, May 2010, pp. 254-270.
- \* “From *Boom Bye Bye* to *Chi Chi Man*: Exploring Homophobia in Jamaican Dancehall, Culture”, *Journal of the University College of the Cayman Islands (JUCCI)*, Volume 3, Issue 3, August 2009, pp. 99-121.
- \* “Fashion Ova Style: Contemporary Notions of Skin Bleaching in Dancehall Culture”, *Journal of Culture and African Women’s Studies*, <http://www.africaknowledgeproject.org/index.php/jenda/index> Vol 14, 2009,

### **Stanley Niaah, Sonjah**

- \* *DanceHall: From Slave Ship to Ghetto*, University of Ottawa Press, July.
- \* ‘Dance, Divas, Queens and Kings: Culture and Embodied Practice in Jamaican Dancehall’, in *Making Caribbean Dance: Continuity and Creativity in Island Cultures*, Susanna Sloat (ed.), Florida International University Press , pp. 132-148.
- \* “Negotiating a Common Transnational Space: Mapping Performance in Jamaican Dancehall and South African Kwaito”, *Cultural Studies* Vol. 23: 5, pp. 756-774.

## **PUBLIC SERVICE**

### **Dr. Donna Hope Marquis**

- Member, Reggae Month 2010 Committee

### **Dr Sonjah Stanley Niaah**

- Assistant Chief Examiner, CXC CAPE Caribbean Studies
- Editor, *Proud Flesh*
- Editor and Editorial Board Member, *Tout Moun: Caribbean Journal of Cultural Studies*

- Editor and Editorial Committee Member, *Social and Economic Studies*
- Vice Chair, International Association for Cultural Studies.

## INFORMATION ON STUDENTS

Postgraduate Registration: **MPhil** 16; **PhD** 16

### Undergraduate Registration

| Course Code       | Title                                                   | Registration |
|-------------------|---------------------------------------------------------|--------------|
| CLTR 1001         | Introduction to the Study of Culture                    | 86           |
| CLTR 2018 (AR20R) | Introduction to Caribbean Folk Philosophy               | 14           |
| CLTR 2501 (AR25A) | Caribbean Cultural Studies                              | 74           |
| CLTR 2505 (AR25E) | Entertainment, Media and Culture                        | 66           |
| CLTR 2506 (AR25F) | Caribbean Films and their Fictions                      |              |
| CLTR 2518 (AR25R) | The Culture of Rastafari                                | 27           |
| CLTR 2519 (AR25S) | De-Constructing the Culture of Sports                   | 27           |
| CLTR 2524 (AR25X) | African Religious Retentions in the Caribbean           | 33           |
| CLTR 2605 (AR26E) | Producing Culture: Music Events & Festivals             | 27           |
| CLTR 2705 (AR27E) | Music Business Management                               | 38           |
| CLTR 2905 (AR29E) | Fashion, Culture and Development in the Caribbean       | 60           |
| CLTR 3501 (AR35A) | Discourses in Cultural Studies                          | 40           |
| CLTR 3506 (AR35F) | African Diaspora Film                                   | 31           |
| CLTR 3507 (AR35G) | Culture, Gender and Sexuality in Jamaican Popular Music | 73           |
| CLTR 3516 (AR35P) | Performing Culture: Dancehall as Ritual and Spectacle   | 42           |
| CLTR 3518 (AR35R) | Rastafari in the Global Context                         | 26           |
| CLTR 3605 (AR36E) | Entertainment and Cultural Enterprise Internship        | 9            |
| FOUN1101 (FD11A)  | Caribbean Civilization                                  | 1756         |

## INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES MONA CAMPUS UNIT

**Leith Dunn, BA (Hons), MSc *UWI*, PhD *LSE* – Head of Unit**

During the 2009/2010 academic year, the Institute for Gender and Development Studies (IGDS) Mona Campus Unit supported the UWT's Strategic Plan 2007-2012, by prioritizing Teaching and Learning, Research and Innovation and Public Service. In Teaching and Learning the focus resulted in the first year of full implementation of the new BSc in Gender and Development and the Unit welcomed 11 new students (10 females and two males) a 100% increase on the previous year. Among the innovations adopted was restructuring the mode of delivery for first year BSc courses from on-line to face to face which contributed to a 100% increase in enrolment. Staff continued to develop new courses, and restructure others. Research and publications on emerging gender and development issues in the Caribbean increased during the period under review. Research studies completed by staff, graduate students and research associates were published on: sexuality, HIV/AIDS, governance, trade, migration as well as climate change and disaster risk management. High demand for the Unit's expertise in research, gender analysis and planning and gender mainstreaming, enabled us to support policy advocacy and training for a number of national, regional, and international institutions. Details of these developments are shared in the body of this report. Priorities for the new academic year are to significantly increase student enrolment in all gender courses and programmes, complete and submit new courses; as well as a new Major and Minor for approval by AQAC; increase the number of publications in peer reviewed articles; and continue collaboration with strategic stakeholders and partners to increase services consistent with our mandate and the UWT's Strategic Plan.



## STUDENTS

**Undergraduates:** Student intake for the academic year was 391 students in 12 IGDS undergraduate courses: 170 students in 7 courses in Semester 1; 183 students in 5 courses in Semester 2 and 38 students in one course in Summer School. The majority was female students. The Unit's major challenge was declining student numbers, despite efforts to increase marketing. The decline was related to the economic crisis and limited awareness of gender as a career option. The Unit increased marketing and collaboration with Admissions, Careers and Placement and the Office of Student Services and Development. A special Student Orientation Programme was held on September 10, 2009. After final exams, students were again invited for a Christmas lunch meeting, to provide feedback on the first semester's experience. *Student Awards:* The annual Dorian Powell Prize awarded to the student pursuing the Minor in Gender and Development Studies with the highest marks, was not awarded in the period under review, but will be reintroduced in the new academic year. **Postgraduates:** Staff taught seven (7) students in two (2) graduate courses and one module in the MSc Gender and Development programme; supervised 15 graduate students (5 Masters and 10 MPhil/PhDs) in three faculties.

## STAFF

**Human resources:** The Unit's staff complement was three academic staff and one-part time lecturer/tutor. The post of Temporary Clerical Assistant funded by the Unit became vacant and was filled by part-time student assistants. This arrangement had a negative impact on customer satisfaction which will be addressed in the new academic year. The Unit also said thanks and farewell to Ms. Erika Ellis, Senior Administrative Assistant. Delays in filling this post meant reliance on temporary staff and significantly impacted the workload of the Head and administrative work processes.

### **Staff Teaching Loads:**

The Unit's 10 hour teaching load for undergraduate and postgraduate courses combined was reviewed and revised downward, as a result of the UWI's decision to disallow UGC-funded staff to teach self-financed MSc

graduate programmes. The Unit requested that this decision be reviewed, given the staff's expertise, history of support to the graduate gender programme over several years at no extra remuneration.

### **Staff Honours and Awards**

Special honours and awards given to IGDS staff during the year included:

- a) Head of the Unit, **Dr Leith Dunn**, was one of 60 women who received an International Year of Woman Award from the Bureau of Women's Affairs on March 8, for her contribution to teaching and research in gender and development. In July she was asked by the Commonwealth Secretary General, to serve as a member of the Commonwealth Observer Group for the Presidential elections in Rwanda, having previously served in a similar capacity for elections in Zimbabwe in 2002 and Zambia in 2006.
- b) Dr Marshall also delivered the inaugural International Women's Day Public Lecture at the Edna Manley School for Visual and Performing Arts.

## **PROGRAMMES**

**Teaching:** The new Major, (BSc in Gender and Development) complements the Minor in Gender and Development Studies and ensures closer articulation between IGDS undergraduate and postgraduate programmes, as recommended by the 2006 Quality Assurance Review team. The Major also responds to a growing demand for gender specialists, policy analysts and researchers in local, regional and international institutions. It reflects the emerging paradigm that best practices in development policy and planning include gender mainstreaming in the work of all sectors. In September 2009, AQAC approved GEND3031 Gender, Sex and Society as a new course to replace SY37G/SOCIO3031 (Sex, Gender and Society) which became an anti-requisite in the Faculty of Social Sciences. SY37G, originally developed and taught by IGDS staff for many years, is the Unit's most popular course and is taught in all three semesters, often to classes of over 100 students. The Unit also continued to offer a special stream of GEND3031 for BA Early Childhood Education students, as in the past

three years. A new course of Sexual Politics in the Caribbean was developed. Five (5) additional new career-oriented courses and an Introductory Gender course are being completed for approval in the 2010/2011 AY. The latter was a recommendation from an IGDS strategy meeting held on February 25, 2010 with UWI lecturers who teach gender courses at Mona. New Minors and Majors are being developed to increase student enrolment in gender courses in the new academic year. Five undergraduate courses for the Minor were also revised and resubmitted to AQAC for recertification. Course registration was also closely monitored to identify courses with low registration that may need to be retired.

**Quality Assurance:** Student Assessment Reports for IGDS courses continued to reflect above-average scores for teaching; course quality and materials; high pass rates in all courses; and high grades generally. To further enhance the teaching and learning experience, course content was updated and broadened to maintain relevance. More innovative teaching methods were also adopted to engage students. Staff membership in several professional organizations, and delivery of papers at local, regional and international conferences, enabled the Unit to contribute a Caribbean gender and feminist perspective on several contemporary development issues. In addition it facilitated the acquisition of new publications to enhance teaching, research and collaboration with other academic institutions. The Unit also maintained above average scores for student and course assessments.

## RESEARCH

The Unit's research and publication output included studies on: a) gender and sexuality published in academic journals; b) gender, trade and the likely impact of the EU-CARIFORUM Economic Partnership Agreement (EPA) on women in Jamaica, published by One World Action and the Commonwealth Secretariat; c) Gender, climate change and disaster risk management published by UNDP and the Caribbean Risk Management Initiative (CRMI); and d) Gender and the migration of Jamaican women to Canada, published by the North South Institute in Canada.

**Funding:** The Unit had a major Special Projects grant of US\$350,000 approved by the United Nations Democracy Fund (UNDEF). This was one of 60 projects awarded globally and was developed jointly with

UNIFEM Caribbean. The Mona Unit started to implement this two-year project entitled 'Advancing Transformational Leadership for Gender Justice in the Caribbean' which supports the training programme of the Caribbean Institute for Women in Leadership (CIWIL). Activities implemented during the period under review included: development and delivery of a training curriculum; organizing the first of three training workshops and the first of four national consultations; establishment of a mentorship programme and development of an on-line knowledge and training portal to build women's capacity to become transformational leaders.

## STRATEGIC APPRAISAL

**Teaching and Learning:** The Unit's three full-time academic staff members are all certified to teach in tertiary institutions. The Scholarship of Teaching and Learning were further enhanced by staff participation in short courses: one staff member completed a course in *On-line Teaching in the Learning Environment* and another on *Multiple Choice Assessment Methods* both offered by the UWI's Instructional Development Unit.

**Creating the Ideal UWI Graduate:** The Unit continued to support *Cross-Faculty Teaching* by again delivering Unit 5 on Gender, Ethics, Science and Technology in the FD12A taught in all three semesters, and as an additional session for students enrolled in the Weekend School of the FSS. Guest lectures were also delivered in the Departments of Economics, Literatures in English and to a wide range of institutions on request. A new initiative was the delivery of a module on **Gender Issues in Health** which was taught on-line to medical doctors pursuing the Diploma in Family Health (**MD62C**) offered by the UWI Cave Hill Campus. Efforts also continued, to build partnerships and explore new teaching opportunities across faculties, to ensure that the 'ideal UWI graduate' is gender-sensitive.

**Programmes and Teaching:** Work continued to develop new career-ready programmes and a series of Minors to increase student intake and enhance programme offerings. Teaching methods also included increased use of audio visuals. Some students were also exposed to the work of organisations such as the Bureau of Women's Affairs, women's

and men's civil society organisations and the private sector to understand the use of gender-related skills in the workplace. A short internship was arranged for one student with the Private Sector Organisation of Jamaica (PSOJ). The Unit also welcomed two international students in undergraduate gender courses.

**Research and Innovation:** Course assignments for assessment continued to support the involvement of students in research. The Unit also responded to some of the requests for gender related research and supported the policy research programmes of organisations such as the Centre for Voluntary Social Services/United Way in Jamaica, the largest umbrella group of NGOs working in many sectors.

**Service to the UWI-12 Countries and Underserved Communities:**

Mona Unit's support to the UWI -12 was mainly through the UNDEF project that enabled representatives from the women's movements in Haiti, Antigua and Barbuda, Belize, St Lucia and St Kitts and Nevis to participate in the leadership training workshop held in Antigua and Barbuda in July 2010 and a workshop on crime in St Lucia in April. The Module on Gender issues in health included medical doctors from the UWI-12 countries. Having drafted the first, second, third and fourth reports of the Bahamas to CEDAW, the Unit continued to provide advice, support and information to enable the Bureau of Women's Affairs to secure Cabinet approval to submit the report to CEDAW. A report entitled analysis of Strengthening National Engagement, Rationality and International Partnerships: The 'Regional Special Topic Monograph on Gender and Development Issues in the Caribbean: from analysis of the 2000 Round of Census Data of Eighteen Caribbean Countries' prepared by Leith Dunn and Alicia Mondesire was published on CARICOM's Statistics website. Findings were presented at CARICOM's Inaugural Regional Statistics Research Conference held in St Lucia on October 30 2010. Findings of a study on gender mainstreaming in Ministries of Labour in the Caribbean prepared by Leith Dunn for the OAS, was used for a regional conference of Labour Ministers in Latin America and the Caribbean held in Argentina.

## OUTREACH

The Unit's Calendar of Events, under the umbrella of the 'Conversations in Gender Series' included the following: *Public lectures and discussions*: to commemorate milestones such as International Women's Day (March 8), the International Day to Eliminate Violence Against Women (November 25), World AIDS Day (December 1) and South Africa Women's Day (August 9) with the South Africa High Commission at an event entitled: "Together Empowering Women: Eradicating Poverty", held at the Knutsford Court Hotel. A public discussion and documentary film ("The Souls of Black Girls") examined black women's self-image, disorder and self-esteem, presented by Ms Yasmin Anderson-Smith. To address masculinity issues, the Unit attended the launch of Male Desk in the Bureau of Women's Affairs, and presented two (2) guest lectures, to local and British teachers and supported Fathers Inc.'s 2010 Model Father Awards ceremony and the launch of Father's Inc. Resource Centre.

**Advocacy workshops to:** reduce gender based violence with Friedrich Ebert Stiftung (FES)/IGDS for senior officers in the Jamaica Constabulary Force (JCF) to improve JCF data collection methods and for Civil Society and Faith Based Organizations, to share research findings of a pilot study on 'Victims and Perpetrators of Gender Based Violence'. A panel discussion on the proposed ILO Convention on the Rights of Domestic Workers was held on International Women's Day with tripartite partners, the Bureau and the ILO. In solidarity with Haiti, a joint event to commemorate IWD was organized with the UWI Department of Languages.

**Training workshops to:** promote gender equality in governance, with partners such as the Women's Resource and Outreach Centre (WROC), the Private Sector Organisation of Jamaica, the Association of Women's Organisations of Jamaica (AWOJA), the Jamaica Women's Political Caucus and the Bureau of Women's Affairs to host leadership training workshops for women. As part of the UNDEF project the Unit also co-hosted a national consultation on CRIME: Politics, Power, and Participation in St Lucia on April 15 2010 and the first leadership training institute's for 29 women from six (6) Caribbean countries which was held in Antigua and Barbuda from July 11 -22 2010. This event benefitted from

the participation of several high profile women leaders including the Governor General of Antigua and Barbuda, Dame Louise Lake-Tack, GCMG, DStJ, Dr Rosina Wiltshire, CARICOM Gender; Hon. Dr Jacqui Quinn-Leandro, then Acting Prime Minister of Antigua and Barbuda; the Minister of Health for St Kitts and Nevis, Hon Marcella Liburd, Senator Elizabeth Thompson from Barbados, UNIFEM's Regional Director, Ms Roberta Clarke, Project Coordinator and academic staff from the UWI campuses at Cave Hill and St Augustine.

**Book launches:** The Unit supported two (2) book launches: the International Labour Organisation's (ILO)-United Nations Development Programme's (UNDP) Report and Panel discussion on 'Work and Family: Towards New Forms of Reconciliation and Social Responsibility' which was launched by Hon Parnell Charles, Minister of Labour and Social Security and Dr. Imani Tafari-Ama's book 'Blood, Bullets and Bodies: Sexual Politics Below Jamaica's Poverty Line' which includes an analysis of sexuality and the phenomenon on skin bleaching.

**Exhibitions** to promote awareness of IGDS programmes: three (3) exhibitions were mounted: at UWI's Research Day held January 28-29 2010; the annual SALISES-sponsored Caribbean Child Research Conference in October attended by hundreds of high school students and child researchers and at the Shortwood Teachers' Colleges' Inaugural Research Day.

**Media Interviews:** Staff participated in several media interviews on gender-related issues such as Masculinities, for International Women's Day in March and on Human trafficking in June. Dr. Marshall was also a **Guest gender analyst** on TVJ Television's Smile Jamaica Programme, on September 14, 2009 speaking on "Caster Semenya and the meaning of intersex".

## PAPERS PRESENTED

- **J. Castello:** "Beaten With the Rod of Correction: Violence Against Women in the Christian Church in Jamaica." Caribbean Studies Association (CSA) 35th Annual Conference, May 24-28, 2010, Barbados. (20 pp).

- **J. Castello:** “Theologising women through the literary and performing arts: A Response”. WAND Theological Workshop, Anglican Retreat Centre, Brown’s Town, St Ann Jamaica, March 26, 2010 (10 pp)
- **J. Castello:** “Building Gender Equality in Leadership”. Regional Workshop on Instructional Strategies: September, 2009, Kingston, Jamaica. Management Institute for National Development (MIND). (10pp)
- **L Dunn:** “Gender and Democracy in the Caribbean: “Women Deepening Democracy: Transforming Politics for Gender Equality”, UNDEF/UNIFEM conference, New Delhi, India, January 13-15, 2010 (9 pages).
- **L Dunn:** “Gender, trade liberalization and the EPA: Implications for the Caribbean in the Current Economic Crisis”. Allied Social Science Association, International Association for Feminist Economics /American Economics Association Conference. Atlanta January 3-5, 2010 (47 pages)
- **L Dunn:** “Gender, Migration and Crisis: Jamaican Female Migrants in Canada”. (L Dunn and H. Gibb) Canadian Development Report 2010, launch, Toronto, North South Institute, April 21, 2010
- **L Dunn:** “Gender Climate Change and Disaster Risk Management in the Caribbean”. Caribbean Studies Association (CSA) 35th Annual Conference, May 24-28, 2010, St. Peter, Barbados. (20 pp)
- **A. Marshall:** “Equal Rights, Equal Opportunities: Progress for All”. Inaugural International Women’s Day Public Lecture. Edna Manley College for the Visual and Performing Arts, March 5, 2010.
- **K Senior:** “Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Country Assessment Report for Jamaica”. 11th Annual SALISES

Conference, Port of Spain, Trinidad. March 24-26, 2010, (32 pages).

- **E. Ellis:** “Caribbean Disaster Risk Management: A Gendered Review on the Commonwealth of Dominica”. 11th Annual SALISES Conference, Port of Spain, Trinidad, March 24-26, 2010.( 29pp).

## PUBLICATIONS

### Chapters

- \* **Dr. Annecka Marshall.** “Tackling the ‘kinky eroticism’ of studying women in the heterosexist classroom”, in Teaching Gender in the 21st Century. Ed. By The Higher Education Academy. London, England: The British Sociological Association, 2009. 73- 105.

### Refereed

- \* **A. Marshall, & D. Maynard.** “Black Female Sexual Identity: The Self Defined”. *Souls: A Critical Journal of Black Politics, Culture, and Society*. 11.3, 2 (2009): 5-12.
- \* **A. Marshall,** “Re-sexing the Curricula: A Black Feminist Analysis of Lecturing in England and Jamaica”. *Studies in the Humanities Special Issue: Women in Higher Education, Now, Then and Before* 36, 2 (2009): 60-68.

### Non-Refereed

- \* **Dr. Leith Dunn & Ms. Heather Gibb** ‘Gender, migration and Crisis: Jamaican female migrants to Canada), in A Global Crisis of Development: Responses and Responsibilities. Canadian Development Report 2010, Ottawa: North South Institute, 2010, 53-70.
- \* **Dr Leith Dunn** “The Gendered Dimensions of Environmental Justice: Caribbean Perspectives”, in Environmental Justice in the New Millennium: Global Perspectives on Race, Ethnicity and Human Rights. ed. By

Filomena Steady. New York: Palgrave Macmillan. 2009, 115-134.

- \* **Dr Leith Dunn** “Child Labor in Jamaica”, in Child Labor World Atlas: A Reference Encyclopedia, ed. Hugh D Hindman. New York: M.E. Sharpe, Inc. 433-435.
- \* **Dr Leith Dunn** “Trafficking and Commercial Sexual Exploitation of Children in Jamaica”. Child Labor World Atlas: a Reference Encyclopedia, ed. Hugh D Hindman. New York: M.E. Sharpe, Inc. New York: M.E. Sharpe, Inc. 436-439.

### Technical Reports

- \* **Dr Leith Dunn**, A. Hamilton, J. Byron, and Q. Palmer “Gender and Women’s Rights Analysis of Economic Partnership Agreements: the Implementation of Trade Liberalization: Jamaica Case Study”, London: One World Action and the Commonwealth Secretariat. (2009):133 pages. [http://www.oneworldaction.org/Resources/One%20World%20Action/Jamaica\\_Research.pdf](http://www.oneworldaction.org/Resources/One%20World%20Action/Jamaica_Research.pdf).
- \* **Ms June Castello** “Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Country Assessment Report for Guyana”. In *Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean*: Barbados: UNDP and Caribbean Risk Management Initiative. (32 pp) and: <http://www.undp.org/cu/crimi/docs/crimi-gttfcnaguyana-bp-2009-en.pdf>.
- \* **Ms Erika Ellis** “Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Country Assessment Report for the Commonwealth of Dominica”. In *Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean*: Barbados: UNDP and Caribbean Risk Management Initiative. (24pp). and: <http://www.undp.org/cu/crimi/docs/crimi-gttfcnadominica-bp-2009-en.pdf>.

- \* **Mr. Keino Senior and Dr. Leith Dunn**, “Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Country Assessment Report for Jamaica”. In Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Barbados: UNDP and Caribbean Risk Management Initiative. (32 pages) and: <http://www.undp.org/crmi/docs/crmi-gttfcnajamaica-bp-2009-en.pdf>.
- \* **Dr Leith Dunn**. Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Country Assessment Report for the Dominican Republic. In Enhancing Gender Visibility in Disaster Risk Management and Climate Change in the Caribbean: Barbados: UNDP and Caribbean Risk Management Initiative. (42 pages). and: <http://www.undp.org/crmi/docs/crmi-gttfcnarpdominica-bp-2009-en.pdf>.

## INCOME GENERATION

The Mona Unit raised approximately **US\$387,971.31** from the following grants and Summer school:

- **US\$350,000** from United Nations Democracy Fund (UNDEF) for a two-year project to ‘Advance Transformational Leadership for Gender Justice in the Caribbean’;
- **US\$20,000** from UNIFEM for one-year training needs assessment study and preparation of a draft curriculum
- **EU\$3,336.59 (J\$367,025.00)** (in kind) from Friedrich Ebert Stiftung (FES) for research on gender based violence and consultations and a publication on gender and governance.
- **J\$310,536.35** - Net income from Summer School.

## **PUBLIC SERVICE**

### **Dr Dunn**

- Member, Commonwealth Observer Group for the 2010 Presidential Elections in Rwanda
- Member, Board of the Shortwood Teachers' College
- Member, Foundation for International Training in Canada.

## INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES REGIONAL COORDINATING UNIT

**Barbara Bailey, BSc Lond-UCWI, BSc (Med Microbiology),  
DipEd, PhD UWI – Head of Unit**

### WORK OF THE INSTITUTE

**F**or the period under review the Regional Coordinating Unit of the Institute for Gender and Development Studies continued to fulfil its mandate of Teaching, Research and Outreach within the University community as well as to the wider local, regional and international communities. Professor Barbara Bailey maintained overall academic and administrative leadership of the Unit, and continued to supervise and guide the interdisciplinary teaching, research and outreach agendas. She was administratively supported by Mrs. Shakira Maxwell, as Administrative Officer, and Mrs. Florence Pearson as Secretary. Ms. Suzanne Charles, Junior Research Fellow continued to manage and coordinate all outstanding work in relation to the project, *Gender Differentials at the Secondary and Tertiary levels of the Education Systems of the Anglophone Caribbean* and provided technical and research assistance with other research projects in the Unit.



Dr. Dalea Bean - who joined the Unit in October 2008 - was appointed to the post of Assistant Lecturer effective August 2009, with primary responsibility for the management of the online Diploma Programme.

Following the advertisement of the post of Lecturer, the unit welcomed Ms. Taitu Heron on November 09, 2009. Ms. Heron was previously the Manager for the Social Development and Gender Unit at the Planning Institute of Jamaica. She is now primarily responsible for the coordinating

of the MSc programme in Gender and Development and also contributes to the teaching of courses in the graduate programme.

In preparation for her demission of office at the end of July 2010, Professor Bailey provided the necessary assistance to the Office of Administration in relation to the selection of her replacement. Following the responses to the advertisement of the position, a selection was done and Professor Verene Shepherd was selected and is slated to take up office on August 1, 2010.

## **Teaching**

During the 2009/2010 academic year the RCU began to initiate several changes to its teaching programmes.

## **Undergraduate**

Teaching continued in the Diploma Programme, with a total of 8 students registered for the 2009/2010 academic year. Challenges however continued to present themselves since the movement of the administration of the Diploma Programme to the Open Campus, many of these relating to the registration process. As reported last year, the Unit has been in communication with the Open Campus to establish a Memorandum of Understanding which would seek to regulate and govern the roles and functions of the IGDS and OC in relation to the Programme. The MOU would cover issues including ownership of the programme and students, revenue sharing and terms to govern the termination of the programme. Initial talks began in November 2009 and it is anticipated that the MOU will be completed and signed by December 2010.

Despite the challenges being experienced however, it is noteworthy that eight students from Cluster Six satisfied all the requirements and were awarded their Diplomas in November 2009.

## **Graduate**

Teaching also continued in the graduate programmes with five offers being made to students for the 2009/2010 academic year. Three students

from the Cluster Twelve cohort also satisfied the requirements of the Programme and were awarded their degrees in the University's 2009 exercises.

From November 02 – December 06, 2009 Ms. Ramano Biholar, from the Netherlands Institute of Human Rights (SIM) of the Law Faculty of Utrecht University in the Netherlands was attached to the RCU as a visiting scholar. Ms. Biholar's research (under the supervision of Professor Cess Flinterman [Utrecht Faculty of Law and a member of the CEDAW Committee] and Professor Rikki Holtmaat [Leiden Faculty of Law]) explored the issue of the implementation of State obligations under Article 5 of the CEDAW Convention in Jamaica.

Based on recommendations made by the Board of Undergraduate Studies review exercise, as well as the Vice Chancellor's request for Departments to engage in a curriculum review process, a revised graduate programme was submitted in May 2010 to the Mona Campus Committee for Graduate Studies and Research for implementation in the upcoming 2010/2011 academic year. The goals of the revised graduate programmes are multi-faced and seek to improve the quality of gender-based analysis in development processes in the public, private and NGOs sectors by equipping the core of graduates with these competencies.

The revised programme is to be offered at four levels – A Post Graduate Diploma, an MSc and MPhil and PhD degrees. The new component in the proposed graduate offerings will be the Postgraduate Diploma which as in the case of St Augustine, will articulate with the existing and now revised MSc in Gender and Development Studies. It is anticipated that the introduction of the Postgraduate Diploma on the Mona Campus should allow for the possibility of the transfer of students from one campus to the other. Another significant addition is the inclusion of an internship programme as an alternative requirement to the research project associated with the MSc programme. It is also being projected that in the near future the core qualifying courses in the MPhil/PhD programme will be made available to students online, thus expanding the reach of the programme across the region.

## Research

The Regional Coordinating Unit also continued to participate in regional research which impacts on policy making throughout the Caribbean. During the year under review, one of the key examples of this was the conclusion of *The Gender Differentials at the Secondary and Tertiary Levels of the Educational System in the Anglophone Caribbean Project*. This research initiative culminated in a two-day regional workshop on April 26 & 27, 2010 hosted jointly by the Caribbean Development Bank and the Regional Coordinating Unit. Convened at the Accra Beach Hotel in Christchurch, Barbados, the meeting was attended by over seventy education professionals and policy makers, representing fourteen CARICOM countries. A wide cross-section of regional and international agencies were also represented, including UNICEF, UNIFEM, the Organisation of Eastern Caribbean States and the Commonwealth Secretariat.

The workshop ended with recommendations towards the creation of a Draft Education Policy, which considered the micro as well as the broader structural issues which contribute to gender imbalances in the education systems of CARICOM states. It is anticipated that upon completion, the policy will be presented for regional adoption to the Council for Human and Social Development (COHSOD) of the CARICOM Secretariat, thereby fulfilling the original mandate of the research.

The Unit is also presently one of the departments on the UWI campus engaged in a project with the University of Oxford and the Caribbean Community Climate Change Centre entitled *The CARIBSAVE Partnership: Protecting and enhancing the livelihoods, environments and economies of the Caribbean Basin*. The project seeks to address the impacts and challenges surrounding climate change, tourism, the environment, economic development and community livelihood across the Caribbean Basin, using an integrated and holistic approach. Other partners in the project include, The University of Waterloo, The World Wildlife Fund, the Caribbean Tourism Organization, the International Institute of Environment and Development, the Caribbean Natural Research Institute, Conservation International and Rainforest Alliance.

As part of its mandate to continue to build strong working relationships in research with other Universities, the board of CARIBSAVE have indicated a willingness to fund a research fellow for two years at the Institute who would be responsible to implement some of the elements of research which the project seeks to investigate. The Unit is at present engaged in discussions to finalize this collaboration.

In collaboration with the CARIBSAVE Partnership, the Institute also hosted the first meeting of a Working Group on Livelihoods, Gender, Poverty and Development (LGPD) at the Mona Visitors Lodge and Conference Centre, on the UWI Mona Campus.

The meeting was designed to bring members of the working group together, as well as apprise the Group of its mandate, which includes:

- Refining the Research Protocol of the CARIBSAVE Partnership for gathering, collating and analysing information on the impacts of climate change on communities in the 15 countries identified as part of the study.
- Monitoring the implementation of the research.
- Providing technical assistance in the analysis of findings.

Another significant research project in which the Institute was involved during the year under review was the *Jamaica PRIDE* (Promoting Rural Integrated Development and Enterprise: Participatory Business Model for Organic Agro-Tourism) project which formed part of the international programme of the Applied Research Group in Sustainable Agriculture and Food, located at Coventry University. The project was funded by a grant from the EU Banana Support Programme and sought to address the problem of declining income from banana production in rural communities of Jamaica and to alleviate the burdens of increased economic hardship, particularly for women, in an attempt to create sustainable livelihoods.

The main beneficiary of the Jamaica PRIDE Project, was the Mango Valley Visionaries Friendly Society (MVVFS), a registered Rural Community Cooperative located in St Mary one of the poorest parishes in Jamaica. Four additional beneficiaries, in surrounding communities, were

also assessed. Results from the Assessment indicated that the PRIDE Project enjoyed success with regard to the generation of community income and an increase in sustainable livelihoods for rural communities, particularly for women in these communities, many of whom were responsible for the main activities within their respective communities. The findings from this project are to be further discussed within the realms of the Ministry of Agriculture.

Further to the Institute offering technical assistance in the completion of an Indicator Template for the Mid Term Review (MTR) of the Commonwealth Plan of Action for Gender Equality 2005-2015 (PoA), Professor Bailey and Miss Charles attended the Global Report Writers Workshops, from January 08 - 11, 2010 in Accra, Ghana and from April 07 – 11, 2010 held at the Commonwealth Secretariat, London. The workshops were geared towards the preparation of the final report of the Mid-Term Review, presented at the 9th Commonwealth Women's Affairs Ministers Meeting (9WAMM), held in Barbados from June 7 to 9 2010.

## **PAPERS PRESENTED**

- **Barbara Bailey** “Reproductive Health, Rights and Gender in the Caribbean: Gender and the ICPD”, Caribbean Subregional conference to assess the implementation of action of the International Conference on Population and Development (ICPD) 15 years after its adoption. St. John's, Antigua. August 20-21, 2009.
- **Barbara Bailey** and **Suzanne Charles** “Caribbean Boys' Education: Problems. Prognosis and Possibilities at the Boy Problem” Conference hosted by the Netherlands Antilles National Commission for UNESCO, Willemstad Curacao, November 27, 2009.
- **Barbara Bailey** “Gender Differentials in Caribbean Education Systems: Understanding the Issues”. Accra Beach Hotel, Christ Church, Barbados. April 26-27, 2010.
- **Barbara Bailey**. Report of Mid-term Review of the Commonwealth Plan of Action for Gender Equality 2000-2015.

9<sup>th</sup> Meeting of Commonwealth Ministers in charge of Women's Affairs (9WAMM), June 7 and 9, 2010. Bridgetown, Barbados (with Dr. Afia Zakyia).

- **Barbara Bailey** “Economic Autonomy and Gender Equality: Challenges for Public Policy in the Caribbean” What Kind of State? What Kind of Equality? 11<sup>th</sup> Regional Conference on Women in Latin America and the Caribbean, Brasilia, Brazil. July 13-16, 2010.
- **Dalea Bean** “This is an Empire War!” Contextualizing issues of Britishness, gender and Jamaican loyalty during World Wars I and II’. Identity and the ‘Other British Isles’ University of Huddersfield, UK, June 23-25, 2010.
- **Dalea Bean** “For our King, For our Country, For Ourselves’: Jamaican Women’s Narratives of Participation in World War II. Society for Caribbean Studies Conference, University of Southampton, UK, July 7-9, 2010.
- **Shakira Maxwell** “Events Management and Planning” Rex Nettleford Hall’s Second Year Experience: Leaders in Training programme on Tuesday, March 9, 2010.
- **Shakira Maxwell** “Fighting a Losing Battle?” Defending Women’s Reproductive Rights in Jamaica” 35<sup>th</sup> Annual Conference of the Caribbean Studies Association, Spice Town, Barbados, May 24-28, 2010.

## PUBLICATIONS

### Refereed Article

- \* **Barbara Bailey** “Feminisation of Poverty Across PAN-African Societies: The Church’s Response – Alleviative or Emancipatory”? in Religion and Poverty: Pan African Perspectives. ed. By Peter Paris. Durham, North Carolina. Duke University Press. 2009, 39-68.

## Non-Referred Articles

- \* **Barbara Bailey** and **Taitu Heron**. Gender in National Development Planning. *Gender in National Development*. Vol.10 No. 2:3-6.
- \* **Barbara Bailey** “Gender and political-economy in Caribbean Education Systems: An Agenda for inclusion,” *Commonwealth Education Partnerships 2009/10*, 102-105.

## Non-Referred Journal Articles

- \* **Taitu Heron**, Lana Finikin and Danielle Toppin “Sistren in Parliament: Addressing Abortion and Women’s Rights Through Popular Theatre” *MaComère, Journal of the Association of Caribbean Women Writers and Scholars*, 5, (December 2009): 45-60.

## Technical Reports

- \* **Barbara Bailey**. Draft Final Report: Mid-Term Review of the implementation of the Commonwealth Plan of Action for Gender Equality 2000-2015. Prepared by Professor Barbara Bailey and Dr. Afia Zakiya in consultation with the Commonwealth Secretariat. Marlborough House, London. 208 pages
- \* **Shakira Maxwell** and Carol Narcisse UNIFEM Country Strategy for Jamaica 2010 to 2013, May 2010, pp. 1-33

## Income Generation

### Caribbean Development Bank

Gender Differentials at the Secondary and Tertiary Levels of the Educational System in the Anglophone Caribbean **(US\$200,000)**  
(April 2003 – April 2010)

### Coventry University

Jamaica PRIDE Project **(US\$3,500)**

## **PUBLIC SERVICE**

### **Barbara Bailey**

- Chairman, Board of Management, St. Andrew High School
- Member, Advisory Board, CARIBSAVE Climate Change and Risk Management Project
- Jamaica's Representative, Committee for the Elimination of all forms of Discrimination Against Women (CEDAW).

### **Taitu Heron**

- Member/Regional Coordinator, Development Alternatives of Women for a New Era (DAWN) Caribbean Chapter.
- Member, Violence Prevention Alliance
- Member, Research & Data Management Committee, Early Childhood Commission

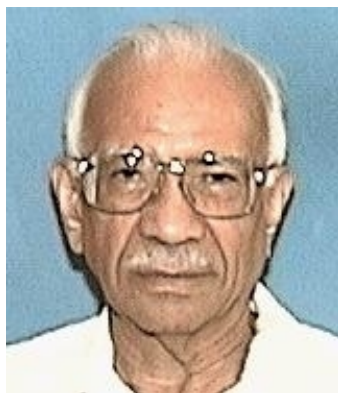
### **Shakira Maxwell**

- Member, Development Alternatives of Women for a New era (DAWN) Caribbean Chapter.
- Member, Gender Policy Committee, Ministry of Education

## INTERNATIONAL CENTRE FOR ENVIRONMENT AND NUCLEAR SCIENCES (ICENS)

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

The Centre has recovered from a multitude of equipment problems. The major remaining one, the replacement of detectors for the total reflection x-ray fluorescence machine, is near solution. During the equipment down period there was extensive overseas training of staff; eight members of staff participated in visits sponsored by the IAEA to: Argonne National Laboratory (Illinois); Instituto de Pesquisas Energeticas e Nucleares (Brazil); Instituto Nacional de Investigaciones Nucleares (Mexico City); IAEA's Marine Environment Laboratory (Monaco); Jozef Stefan Institute (Ljubljana); Czech Technical University (Prague); Nuclear Research Institute (Czech Republic); Universidad del Valle de Guatemala.



Mr John Preston participated in a meeting on the state of the art of instrumentation and control systems for Research Reactors, Bariloche, Argentina, March 8-12, 2010.

Mr. Charles Grant also attended workshops and provided expertise for Ingeominas in Bogota. Dr. Paul Wright attended the 2nd Coordination Meeting for the ARCAL project in February 2010. The title of the project is: Improvement of Analytical Quality through Proficiency Testing and Certification of Matrix Reference Materials using Nuclear and Related techniques in Latin America.

### **Changes to the Board of Directors**

The Prime Minister has appointed Dr. Carlton Davis to be Vice-Chairman of the Board.

## **Search for a new Director-General**

A person with exceptional qualifications has been identified and negotiations are proceeding.

## **New Equipment**

The Perkin Elmer 7000DV ICP Spectrometer which was provided by a grant from the CHASE fund is fully in service. This instrument will significantly advance the analytical power both in terms of quality and throughput. Its value has been enhanced by the installation of a computer controlled microwave oven which greatly increases the capability to dissolve intractable material such as soils and rocks. These should be reflected in improved productivity.

ICENS is now probably the most powerful laboratory in the Caribbean for multi-elemental analysis. At this time it lacks only one major item of equipment, an ICP mass spectrometer.

## **Collaborations**

Collaborations are essential to ICENS' programmes. The main ones during this past year have been in agriculture: the Ministry of Agriculture (the Rural Agricultural Development Agency (RADA) and Rural Physical planning Department (RPPD) and CARDI on the productivity of soils; species variation of cadmium uptake by sweet potato, and spatial visualizations of essential and potentially toxic elements to assist in land use selections. This work has implications for agricultural production and to help ensure that exports meet heavy metal limits set by national and international regulatory bodies.

ICENS maintains a reputation with the IAEA as being one of the best utilized small reactor centres in the world and is pleased to be a partner in its varied activities in the region. These now include supporting a sustainable increase in the use of research reactors in the Latin American and Caribbean Region by the formation of the Caribbean Coalition of Research Reactors. The members are: ICENS, the Instituto Nacional de Investigaciones Nucleares (ININ, Mexico), the Instituto Colombiano de Geología y Minería (INGEOMINAS, Columbia), Vienna University of Technology (Atominstitut, Austria). This partnership is expected to enable

the group to jointly provide improved research reactor services to governmental and commercial customers, especially in the areas of analyses, production of radioisotopes, radiation protection, and neutron activation analysis for agricultural, environmental and industrial resources.

The first activity organized by the CRRC was a training Course on Marketing and Quality Control for Services of Research Reactor Based Facilities and Techniques, in Bogotá, Colombia between January 18-22, 2010.

## **RESEARCH AND DEVELOPMENT**

Lead exposure studies have continued, though on a reduced scale since new resources are lacking. Despite earlier successes with the several appropriate government agencies on the development and implementation of strategies to reduce levels of lead exposure and reduce the blood lead levels of the Jamaican population, further progress in dealing with especially the once severely lead poisoned children, has been slow and some persons continue to require chelation treatment as lead stored in the bone is released to the blood. This emphasizes that prevention strategies are the way to go and assistance is being provided to a local firm that is developing a lead recycling project.

The lead isolation in the Kintyre area, a “hot spot” of the past, has weathered reasonably well but the area is beginning to require further attention.

The geochemistry of Jamaican soils and foods continues as the essential baseline activity but the work is shifting significantly towards the levels and consequences of trace element exposures of the population. Data are being gathered on as many elements as possible with a focus at present on levels in blood of potentially toxic elements such as arsenic, cadmium, lead and mercury and on essential elements like copper, iron, selenium and zinc, some of which is reminiscent of the excellent work performed two decades ago by the TMRU.

Cadmium still represents a potential threat to trade in some exports and a UNEP report on lead and cadmium to be released next year is likely to

raise that threat. There is still no significant evidence of effects of cadmium on mortality or morbidity in the Jamaican situation and as this runs counter to the accepted global opinion, it would seem necessary to arrive at a firm conclusion as soon as possible. To do this would mean funding a major epidemiological study, so in the meantime, following the precautionary principle, ICENS has been better defining areas and foods that meet international requirements or are likely substitutes for some that do not do so.

## **New Applications**

### *Crime Fighting*

In collaboration with the Forensic Laboratory ICENS is: (1) examining the matching of samples from crime scenes with those taken from known areas. The first effort, the “stolen beach case” provided evidence to eliminate certain possible “receiver” beaches; (2) characterising trace elements in gunshot residues sampled from hands, clothing or other areas; (3) measuring of the blood lead levels of officers involved in ballistics testing.

### **Effects of lead exposure**

Funding proposals to assess: (a) the possible relationship between childhood lead exposure and violent adult crime and (b) the level of risk in persons who have un-removed lead bullets in their bodies are being developed.

## **EShare - An Environmental Data Sharing Platform for Jamaica**

ICENS leads this effort to provide for digital data and information sharing amongst Jamaican institutions through an open access digital repository. The other members at present are:

- Environmental Management Division, Office of the Prime Minister;
- Rural Physical Planning Division, (RPPD); Ministry of Agriculture;

- Faculty of Pure and Applied Sciences, University of the West Indies;
- Department of Geology and Geography, University of the West Indies.

## NUCLEAR ENERGY

At the request of the Minister of Energy, ICENS performed and reported on a prefeasibility study on nuclear power for Jamaica. The report noted that nuclear energy is enjoying a global renaissance driven by improved economics and environmental benefits, and that the present cost of electricity from nuclear reactors appears to be cheaper even than that of coal. Importantly, the new small modular factory produced reactor designs have completely altered the prospects for nuclear energy for small countries to the extent that Jamaica should now begin to consider adding nuclear power to its generation mix within the next decade.

## PUBLICATIONS

### Book Chapter

- \* **Wright P.R.D.**, Rattray R. and **Lalor G.C.** “A Regional Perspective of Medical Geology - Cadmium in Jamaica”, Medical Geology: A Regional Synthesis (International Year of Planet Earth), Olle Selinus, Robert B. Finkelman and Jose A Centeno (eds.), Springer, 2010, pp 29 -58.

### Refereed Journals

- \* Jerome Nriagu, Mazen Boughanen, Aaron Linder, Andrea Howe, **Charles Grant**, Robin Rattray, Mitko Vutchkov, and **Gerald Lalor**. “Levels of As, Cd, Pb, Cu, Se and Zn in bovine kidneys and livers in Jamaica”. *Ecotoxicology and Environmental Safety* 2009; 72(2):564-71.
- \* Robert G. Garrett, Anthony R.D. Porter, Patricia A. Hunt and **Gerald C. Lalor**. “The presence of anomalous trace element levels in present day Jamaican soils and the geochemistry of

Late-Miocene or Pliocene phosphorites”. *Applied Geochemistry* 23(4) (2008) 822-834.

- \* **Paul R.D. Wright**, Robin Rattray, **Gerald Lalor** and **Richard Hanson**. “Minimal health impact from exposure to diet-sourced cadmium on a population in central Jamaica”. *Environmental geochemistry and Health* (2010). DOI: 10.1007/s10653-010-9318-6 Online First™

## **PUBLIC SERVICE**

### **Ms. Leslie Hoo Fung**

- Chair, National Food Standards Committee, Bureau of Standards Jamaica.

### **Professor Gerald Lalor**

- Honorary Chairman, Gleaner Company;
- Chairman Gleaner Honour Awards Committee
- Director, Insurance Company of the West Indies Group
- Member, Third World Academy of Sciences (TWAS); The Royal Society of Chemistry; the American Chemical Society; the New York Academy of Sciences; The American Association for the Advancement of Science;
- Member, Council of the Institute of Jamaica;
- Member, Editorial Boards of: *Jamaica Journal of Science & Technology*; *The Science of the Total Environment*; *Revista Latino-Americano Quimica*.
- Member, UNEP Workgroup on Lead and Cadmium.

### **Mr. John Preston**

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

**Dr. Gladstone Taylor**

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

**Mrs. Joan Thomas**

- Member, Inner Wheel Club of Kingston.

**Dr Paul Wright**

- Member, International Medical Geology Association;
- Country representative (Jamaica) to ARCAL, the Regional Cooperation for the Promotion of Nuclear Science and Technology in Latin America and the Caribbean.

## MONA SCHOOL OF BUSINESS

**Professor Evan W. Duggan – Executive Director**

### WORK OF THE SCHOOL

The need for transformational leaders, with high-quality management education with the appropriate rigour is probably greater now than when the Mona School of Business (MSB) began in 1987. In this regard, MSB continues to ensure that national priorities are ever present in our focus and to position itself as a solution-oriented centre of relevance and value; especially in light of the myriad economic and social problems that confront Jamaica and the region at this time. MSB's pursuits are therefore not limited merely to the building of human capital; our mission extends beyond the confines of formal graduate management programmes to the provision of professional and executive development options for the entire business community.



As we thrust forward with these activities, we are cognizant of the demands of our super-ordinate and mutually supportive objectives of providing high-quality products and services and to guarantee the economic stability of the Institution. Yet we are also mindful of the challenges induced by dire economic conditions. We are faced with fairly high student fee balances and low enrolment rates; less enthusiastic responses to our requests for sponsorship of business events and for advertisements in MSB-sponsored publications; and very little (if any) availability of local grant funding for research and development activities and the support of entrepreneurial endeavours.

While we are immersed, however, in identifying ideas for remedying current difficulties, the accomplishments highlighted below deserve specific mention. MSB has:

- been engaging corporate leaders in a series of breakfast meetings to advertise our services and to gain first-hand information about the problems they face. We also work with corporate advisory boards of distinguished panellists in many of our undertakings, which provide an excellent forum for proactive contributions that can guide us towards more effective aims as well as external validation
- organized several academic and business conferences including the MSB Roundtable 2010, International Conference on Information Resources Management (Conf-IRM), Caribbean Internet Forum (CIF-7), and the Caribbean Business Development Conference.
- published the inaugural issue of its new magazine, the *MSB Business Review*, with both print and web editions (see [www.msbreview.biz](http://www.msbreview.biz)). The magazine will be published three times per year and will be devoted to the analysis of current business issues, events, policies and solutions.
- established its own **On-Line Course Management System** called MSB Executive Learning System (MSB-ELS). The system is intended to enhance delivery quality and effectiveness, and reduce cost.
- attracted attention from the International Community: Pearson Vue has contracted with the school to be its representative for the GMAT and other tests and certification exams. Eduniversal, through its 2009 poll of Deans of Business Schools, has ranked MSB among the top 1000 Business Schools in the world for the second year running. The Project Management Institute (PMI), USA, has approved MSB as a Registered Education Provider, a designation which allows us to issue Professional Development Units (PDU) for our Project Management training courses and prepare students for PMI certification.

# ACADEMIC PROGRAMMES

The usual high level of activity was experienced in the academic unit in 2009/2010, with external examiners’ visits, Open House, several information and application sessions, new student application processing, selection, orientation and graduation and awards ceremonies.

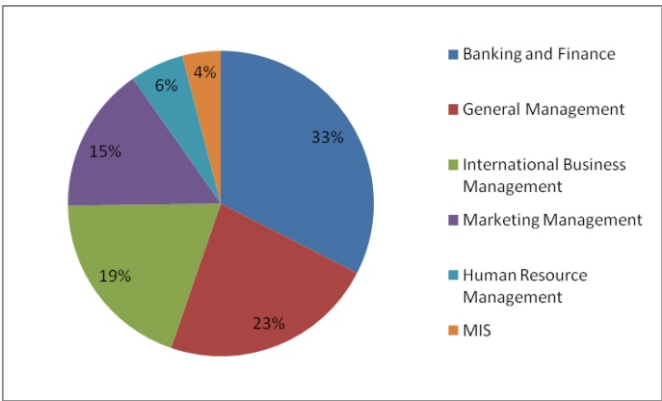
## MSB Graduates 2009

One hundred and eighty-seven (187) MBA and EMBA students graduated at the UWI graduation exercise on November 7, 2009, and fifty-five (55) students from the Diploma in Business Administration graduated at the MSB Graduation and Awards Ceremony at the Mona Visitors’ Lodge on November 25, 2009. Table 1/Chart 1 provides a breakdown of MBA graduates based on Concentrations.

**Table 1: Breakdown of Graduates According to MBA Concentrations**

| Area of Concentration             | Number of Students |
|-----------------------------------|--------------------|
| Banking and Finance               | 40                 |
| General Management                | 28                 |
| International Business Management | 24                 |
| Marketing management              | 19                 |
| Human Resource Management         | 7                  |
| MIS                               | 5                  |

**Chart 1: Breakdown of Graduates According to Concentrations (MBA only)**



Overall, there was an approximate ten percent (10%) increase in the number of MSB graduates from the previous year. This was mainly as a result of the number of students who had deferred their studies or who did not graduate in the previous year.

The prestigious Executive Director's Award for Most Outstanding Academic Performance, was won by Denise Thompson-Williams (EMBA) and The Principal's Awards for Leadership were presented to John Pringle (EMBA); Oswald Thomas (MBA Full-Time); Lesli Williams and Jacqueline Swaby (MBA Part-time).

## Finalizing Students

Table 2 indicates the number of students who proceeded to the final phase of their programmes in 2009-2010. Part-time MBA and EMBA students commenced studies in May 2008 and are now completing their final courses to become eligible for graduation in November 2010. Full-time students who entered in May 2009 are also due to graduate in November 2010.

**Table 2: Finalizing Students**

| <b>Programme</b>   | <b>Total</b> |
|--------------------|--------------|
| MBA FT             | 25           |
| MBA PT, Sunday     | 39           |
| MBA PT, Evenings   | 73           |
| EMBA               | 17           |
| EMBA MIS           | 1            |
| Total EMBA and MBA | 155          |
| Diploma            | 38           |
| <b>Grand Total</b> | <b>193</b>   |

## Admissions and Enrolment

The new cohorts began their respective programmes of study on May 2, 2010. For the first time MSB had a full week of Student Orientation (April 26 – April 30, 2010), with separate sessions for each programme (i.e. EMBA, MBA, Diploma and Western Campus) and a social on Friday, April 30, where incoming students interacted with current students,

alumni, faculty and staff. One of the objectives was to try to foster camaraderie in order to build a stronger student association.

The Academic Unit hosted four (4) Information/Application sessions. These were very useful and attracted a number of on-the-spot applications. Although there were many more applicants to MSB this year than in previous years, a large number did not provide the supporting documentation required to complete the process. Of those who did, several did not qualify and a large number of those who were eventually offered a place either declined or requested deferrals. Consequently the number of persons who took up offers was significantly less than last year, as indicated in Table 3 below.

| <b>Programme</b>            | <b>2010/11<br/>Applications</b> | <b>2010/11<br/>Enrolment</b> | <b>2009/10<br/>Enrolment</b> |
|-----------------------------|---------------------------------|------------------------------|------------------------------|
| <b>Mona</b>                 |                                 |                              |                              |
| MBA Full-Time               |                                 | 13                           | 27                           |
|                             |                                 |                              |                              |
| MBA Part-Time               |                                 | 90                           | 134                          |
| 3 Evenings                  |                                 | 34                           | 69                           |
| 2 Evenings & Saturday       |                                 | 16                           | 27                           |
| Sundays                     |                                 | 40                           | 38                           |
| <b>Total MBA</b>            | <b>1,169</b>                    | <b>103</b>                   | <b>161</b>                   |
|                             |                                 |                              |                              |
| EMBA                        | 136                             | 10                           | 27                           |
|                             |                                 |                              |                              |
| Diploma                     | 75                              | 15                           | 39                           |
| <b>Total Mona</b>           | <b>1,380</b>                    | <b>128</b>                   | <b>227</b>                   |
|                             |                                 |                              |                              |
| Western Campus              |                                 |                              |                              |
| MBA                         | 121                             | 23                           | 22                           |
| EMBA                        | 74                              | –                            | 17                           |
| Diploma                     | 21                              | –                            | –                            |
| <b>Total Western Campus</b> | <b>216</b>                      | <b>23</b>                    | <b>39</b>                    |
|                             |                                 |                              |                              |
| <b>Total MSB</b>            | <b>1,596</b>                    | <b>149</b>                   | <b>266</b>                   |

All applicants who had not taken up our offer of a place were contacted to ascertain their reason for not doing so. We also conducted a separate study of the pricing of competing institutions to re-establish where we stood currently against the competition.

### **MSB Western Jamaica Campus (WJC)**

The EMBA programme was advertised for the Western Campus and applications accepted; however, the number of applicants that met the requirements was extremely low and most qualified for the MBA. A management decision was made not to offer the EMBA at the Western Campus this year.

### **MSB Student Association**

The MSB student association has been formed, an executive committee elected, and a charter developed and agreed. The association has established key liaison persons within the administration to support the executive and work with the committees.

### **Scholarships**

On October 13, 2009, the School hosted a scholarship award function with Jamaica National Building Society in honour of their scholarship winner, Miss Tanesha Samuels, who received first class honours at the undergraduate level from the Department of Management Studies. No scholarship was offered this year from the Scotia Bank Jamaica Foundation.

### **The MSB eLearning Course Management System (MSB-ELS) Project**

MSB has started to use the MOODLE-based MSB-ELS course management system for content delivery and interaction in its programmes as of January 2010. All courses are web-supported, to facilitate lecturer-student, student-student, and lecturer-lecturer interactions; a limited number are web-enhanced to replace a small number of face-to-face meetings in selected courses. We have also established an Online Learning Lab that will facilitate the use of a variety of multimedia instructional technologies for training, creating multimedia

content and live streaming. Programme coordinators, academic staff and technical team all underwent initial training. Student training is ongoing.

### **Quality Assurance**

Our external examiners continue to endorse the rigour and quality of our programmes, the assessment structure, the manner in which students are examined, and the performance of the students. The MSB is in the third stage of its application to the British Accreditation body, the Association of MBAs (AMBA) to accredit its programmes. The first stage of the process (preparation of the data sheet) has concluded and we are about to enter Phase 2 (self-assessment).

### **Curriculum Development**

Work is continuing with the design of several new programmes and courses: An MSc programme in Enterprise Risk Management to be offered jointly with the Department of Mathematics; a new concentration in Sports and Events Management, which is undergoing the approval rounds; the development of a Services Management concentration, which will be offered initially at Western Jamaica Campus; and a suite of courses in Competitiveness which will be available in the General Management concentration. TPM has also proposed two new courses to be introduced in its 3rd Cohort (beginning September 2011) on Climate Change and ICT and Cyber-Security.

### **Executive Master in Educational Management (EMEM)**

The MSB together with the MICO University College jointly offers an Executive Masters in Educational Management (EMEM) for Principals and Senior Administrators. The first Cohort of the EMEM commenced in July 2009. Currently, the twenty (20) students enrolled in the programme are slated to graduate at Mico in December 2010. The start of the second Cohort of has been postponed due to the dramatic decline in enrolment.

### **Master of Business Management (MBM)**

The Master of Business Management (MBM) programme to accommodate students with less than 3 years business experience

(excluded from consideration by AMBA's accreditation rules) has been designed and approved. The programme is slated to begin in September 2010.

### **Upgraded Diploma in Business Administration**

The first cohort of students in the upgraded diploma programme just completed and is scheduled to graduate in November 2010. The revised programme still serves to overcome matriculation deficits into the MBA and EMBA programmes but in its revised form, it more adequately satisfies the needs of students seeking a 'stand-alone' graduate business qualification.

### **PROFESSIONAL SERVICES UNIT (PSU)**

The Professional Services Unit (PSU) continues on a path of profitable growth while helping to build the image and reputation of the Mona School of Business. For financial year August 1, 2009 to July 31, 2010, PSU revenues grew to 9% of total MSB revenues despite the prevailing economic recession. In keeping with the current strategic plan, the PSU provided consultancy services, professional and executive training, and a major conference – MSB Roundtable 2010.

The PSU continues to use its external Associates for service delivery in some key areas. The unit also used its own expertise, to provide Strategy Facilitation and Process Improvement solutions, in response to client calls for MSB to demonstrate its core competencies.

### **CENTER OF EXCELLENCE (CoE) FOR IT-ENABLED BUSINESS INNOVATIONS**

The CoE is in the final implementation stages of the four (4) SME case studies being done as Phase 3 of the one-year Research initiative "FOSS in SMEs" funded by the UWI RFC Special Project Grant. In addition to the specific research objectives associated with this project, it also provides the basis on which the COE will develop its commercial business model, through actively engaging with its primary target constituency (SMEs), and

building the industry presence, relationship capital and technical competencies necessary to sustain its operations.

The unit currently has two Grant proposal submissions in the pipeline and are also pursuing a number of commercial opportunities that will leverage in-house capabilities.

Core development work has been completed on the online web portal and database component of the EU funded project “Knowledge Networks for Connecting Jamaica and its Diaspora”. Presentations were recently made to the UN **Joint Migration and Development Initiative** (JMDI) monitoring team from the UNDP Brussels Office as well as members of the Jamaican Diaspora UK, which have been well-received.

One of the collateral benefits derived from these projects has been in helping the MSB IT Department to leverage that technical competence with the select portfolio of free and open source applications for a number of internal MSB automation initiatives, such as:

- OrangeHRM Human Resource Management System
- MSB centralized Contact Management System
- The Online edition of the *MSB Business Review* magazine.

Partial funding has been secured for the One Laptop per Child (OLPC) project for August Town Primary School, through collaboration with Project for the Advancement of Childhood Education (P.A.C.E) Canada, and the CoE will be implementing the project in partnership with the UWI Township Project.

### **Telecommunications Policy & Management Programme (TPM)**

TPM hosted the second meeting of the ITU’s Caribbean Centres of Excellence Programme (November 24, 2009), which was attended by 10 representatives of regional training and policy development agencies and addressed by ITU’s Director of Human Capacity Development, Mr. Robert Shaw. Other represented agencies included Caribbean Association of National Telecommunication Organizations (CANTO), CARICAD, Caribbean Telecommunications Union (CTU), Antigua & Barbuda

International Institute of Technology (ABIIT), University of Technology (UTECH), and ECTEL TPM.

The TPM Programme also received the final sign-off from the International Development Research Centre (IDRC) in Canada on the collaborative Caribbean ICT Research Programme with UWI, St. Augustine, Caribbean Telecommunications Union and OSILAC-ECLAC (Observatory on the Information Society in Latin America and the Caribbean). IDRC has approved funding of US\$774,401 (TPM's component is US\$236,000) for a two-year project including research components on regional broadband access and usage; regulatory and policy frameworks for regional ICT sectors; and use of mobile services for economic purposes. The project is progressing and the researchers have been associated STATIN and the National Statistical Office in Trinidad and Tobago for the conducting the survey and fieldwork data-gathering has been conducted in St. Lucia, Trinidad & Tobago and Barbados.

The TPM was the local anchor for the Conference "Towards a Caribbean Open Institute: Data, Communications and Impact" on June 30 and July 1, 2010 at the Jamaica Pegasus Hotel. There were over 40 local and international participants.

## **SPECIAL EVENTS**

### **Corporate Breakfast**

MSB has hosted breakfast meetings with corporate Jamaica at the Mona Visitors Lodge and Conference Centre and in Montego Bay. Senior business executives in industries ranging from pharmaceuticals to telecommunications attended the event and engaged in dialogue with MSB Directors about how the school could better serve the needs of the business community.

### **Eduniversal Palmes Awards**

For the second year running, MSB has been rated among the top 1000 Business Schools in the world for 2009 by Eduniversal as a good business school with regional influence. Eduniversal's ranking is done by the Deans of Business Schools; it helps ranked schools to gain visibility amongst their

target audiences and to measure their performance, evolution and durability both in their zone of influence and internationally.

### **MSB Business Review Magazine**

MSB launched its new magazine the *MSB Business Review* on June 16, 2010, to which it invited members of the board of directors, the editorial committee members, the members of the advisory board, contributing authors, sponsors, and faculty members. We also demonstrated the companion Web version of the magazine, which will be a medium for extending our reach to a wider, more diverse audience, and engaging readers with on-demand, interactive, multi-media content. *MSB Review Online* will take full advantage of the modern capabilities of the Web in terms of collateral content and reader engagement to include a variety of dynamic features.

### **Opportunity Funding Challenge Venture Competition (OFCVC)**

The MSB students who won the Vincent HoSang Entrepreneurship and UWI venture competition in October 2009, represented MSB at the OFCVC in Atlanta April 16-19, 2010, to do battle with 20 other US-based Colleges and Universities. They won the best presentation award and placed third overall in the competition.

### **Pearson Vue GMAT Centre**

The Pearson Vue GMAT testing centre has been active over and beyond the predicted number of candidates. All library staff are qualified administrators, but only two actively man the centre. The centre is operating efficiently and within the regulations of Pearson Vue which has provided extremely good support to the centre administrators and candidates. The centre's offerings continue to increase as exams are added on a regular basis to the repertoire.

### **PMI Registered Education Provider**

MSB's application to become a PMI Registered Education Provider has been approved by the Project Management Institute (USA). MSB, as only the second Jamaican institution to be so approved, can now issue

Professional Development Units (PDU) for its training courses and prepare students for PMI certification.

## **CONFERENCES / SYMPOSIA / SPECIAL LECTURES**

### **Caribbean Internet Forum**

The 7th Caribbean Internet Forum (CIF-7), under the theme *'Building a Caribbean Broadband Platform for Regional Development'*, was hosted by MSB's TPM Programme and held at the Knutsford Court Hotel, November 25-26, 2009 under the auspices of the Caribbean Telecommunications Union (CTU). The Forum attracted regional service providers, business leaders, government policy-makers, regulators and policy and practice leaders in information and communication technologies, telecommunications, Internet service provision and media.

### **Centre of Excellence (CoE) Workshops**

The MSB-CoE for IT enabled Business Innovations conducted workshops in Montego Bay at the Wexford Hotel on November 20, the National Development Foundation of Jamaica (NDFJ) on November 24, and the Mona School of Business on November 27, 2009. These workshops were held to disseminate information to the SME sector, and demonstrate selected Open Source software that may be useful in their operations.

### **Conf-IRM, Montego Bay**

The MSB hosted the 2010 International Conference on Information Resources Management (Conf-IRM), an affiliated conference of the Association for Information Systems (AIS), from May 16 – 18 in Rosehall, Montego Bay. The theme was Collaboration and Community in a Global World. The conference participants were information systems and information management researchers and practitioners from across the globe, who are interested in the effective deployment and use of information and communication technologies (ICT) to advance the development objectives of both organizations and society. This was the first time that this conference will be held in the Latin America and Caribbean region.

## **MSB Roundtable 2010**

MSB Roundtable 2010, on Managing Risk for Growth & Development, was held March 4 and 5 at the Mona Visitors' Lodge & Conference Centre in collaboration with the Department of Mathematics, UWI, Mona and the Caribbean Actuarial Association. The Main presenters were Prof. William Perraudin (Director, Risk Control Limited, U.K and former Special Advisor to the Bank of England, United Kingdom) and Financial Econometrician, Dr. Paolo Zaffaroni, both from the Imperial Business School, U.K. Other speakers include Aaron Hou, VP Market Risk Management Group, Goldman Sachs & Co, USA, The Most Honourable Edward Seaga (Distinguished Fellow, UWI), and Mr. Brian Wynter (Governor of the Bank of Jamaica).

## **Seminar Series**

Seminar Series 2009, a joint project between the MSB and the Department of Management Studies, kicked off on Friday, November 27, 2009. The topic of the panel discussion was "*Creativity & Innovation for Competitive Advantage in Business*".

## **World Bank Presentation**

Dr. Marcelo Giugale, the World Bank's Director for Economic Policy and Poverty Reduction Programs for Latin America and the Caribbean made a presentation on "*A Brave New World - Post-Crisis Economic Policy in Latin America and the Caribbean*" to MSB students and faculty on January 19, 2010 in the Executive Lecture Theatre.

## **Colloquium**

On Monday, March 22, MSB hosted a colloquium at which Dr. Juliet Davis, Associate Professor of Health Care Management, from the University of Alabama presented on "*The Economics of Nursing Home Management*". Others in attendance included Dr. Gillian Barclay from the Office of Caribbean Program Coordination, Pan American Health Organization (PAHO), and Dr. Elizabeth Madigan, Professor of Nursing from Case Western University.

## **PAPERS PRESENTED**

### **Mr. Harry Abrikian**

- ----- MSB Professional Services' Caribbean Business Renewal Seminar, July 17, 2009.

### **Mr. Kamau Chionesu**

- 'Flexi-Week and Competitiveness draft policy paper', Research Day Symposium, Department of Language, Linguistics & Philosophy, May, 2009

### **Professor Evan Duggan**

- "Enhancing the Political and Economic Welfare of the Jamaican United Kingdom (UK) Diaspora" Diaspora Think Tank, London, September 11, 2009.
- "The Flip Side of the ICT Coin", Rotary Club of Kingston, Jamaica Pegasus Hotel, Thursday March 18
- "The Flip Side of the ICT Coin". Rotary Club of Kingston, Hilton Hotel, Tuesday March 23
- "Research and Publications", Annual Department of Management Studies (DOMS) Writers Retreat, Ocho Rios, June 11.
- "Internet Extensions: Internet 2 and the Semantic Web", Panel on Broadband, the Semantic Web and the Future of the Internet at CIF7.
- Jamaica Computer Society's launch of the 2009 BizTech Forum.

### **Dr. Hopeton Dunn**

- "Engendering a Techno-Cultural Economy: Opportunities and Challenges for the Global South"; African Council for Communications Education (ACCE) Conference, University of Ghana, Legon, Accra, Ghana, August 11-14, 2009.

- “ICTS, Jamaican Society and Culture” to Undergraduates in UTECH’s Bachelor of Arts in Communication Arts Technology, March 22, 2010.
- “Public Relations & Media Management”. Jamaica Teachers’ Association Annual Education Conference, April 7, 2010.

### **Dr. William Lawrence**

- “Developing a small business in Jamaica”. 2010 MBA Conference, Northern Caribbean University, Mandeville, April 11, 2010.
- “Financial Restructuring for Corporate Turnaround” to students in the Advanced Corporate Finance course at Mona School of Business on March 23, 2010.

### **Dr. Maurice McNaughton**

- “Enabling SME Business Innovation – Opportunities and Applications of Free and Open Source Software (FOSS)”. Caribbean Business Renewal Seminar, July 17, 2009
- (with Professor Duggan) ‘Enabling ICT in a Customer-driven Environment’, University CIO Retreat, UWI, November 19, 2010.
- “Business Intelligence/Knowledge Discovery 101: Practical Methods and Enabling Technologies”, Conf-IRM Conference, May 16-18, 2010.
- ‘Yield Management in Jamaica’s Hotel Sub-sector’ 1st International Tourism Conference: Beyond the Boundary: creating new epistemologies in tourism, December 10, 2009.

### **Richardo Williams**

- “Whither the Future of the Internet? Socializing and Humanizing the Technology”, 7<sup>th</sup> Caribbean Internet Forum, November 25-26, 2009.

## PUBLICATIONS

### Refereed Journal Articles

- \* Kacmar C., McManus, D., **Duggan, E.W.** Hale, J., and Hale, D. 2009. Software Development Methodologies in Organizations: Field Investigation of Use, Acceptance, and Application. *Information Resources Management Journal* 22(3): 16-39.
- \* **Rao L.**, McNaughton M., Osei-Bryson K.M. and Haye M. (2010) An Approach to Using Ontologies for the Development of High Quality Disaster Recovery Plans. *International Journal of Information Systems for Crisis Response Management*, 2(2), 36-54, April-June 2010.

### Refereed Conference Proceedings

- \* Chevers, D. A. & **Duggan E. W.** (2010). A Preliminary Study of the Use of Software Process Improvement Initiatives in Jamaica. Int'l Conference on Information Resources Management (Conf-IRM 2010) Montego Bay, Jamaica, May 16-18, 2010.
- \* Mansingh G., **Rao L.**, Osei-Bryson K.M. and Mills A. (2010) Application of a Data Mining Process Model: A Case Study-Profiling Internet Banking Users in Jamaica. The 16th Americas Conference on Information Systems (AMCIS), Lima, Peru, August 12 - 15, 2010.
- \* Mansingh G., **Rao L.**, and Osei-Bryson K.M. (2010) Building Ontology Based Knowledge Maps to Assist Business Process Reengineering. The 16th Americas Conference on Information Systems (AMCIS), Lima, Peru, August 12 - 15, 2010.
- \* Mansingh G., **Rao L.**, Osei-Bryson K.M. and Mills A. (2010) Application of a Data Mining Process Model: A Case Study-Profiling Internet Banking Users in Jamaica. The 16th Americas Conference on Information Systems (AMCIS), Lima, Peru, August 12 - 15, 2010.

- \* **Rao L., McNaughton M.,** Osei-Bryson K.M. and Haye M. (2009) The Role of Ontologies in Disaster Recovery Planning. 15th Americas Conference on Information Systems, San Francisco, California, August 6-9, 2009.

## **Other Non-Refereed Publications**

- \* **Dunn H.,** Minto-Coy, I. “The Communications Industry in the Caribbean: Opportunities and Challenges”, 7<sup>th</sup> Caribbean Internet Forum. (40 pp.) 2009.

## **PUBLIC SERVICE**

### **Harry Abrikian**

- Member, MSB Board Finance Subcommittee
- Member, Economics/Business Sub-Committee, UWI Mona August Town initiative.
- Chair, Finance Committee, Faculty of Social Sciences.

### **Maheshwar Boodraj**

- President, Ardenne Alumni Association.
- Member, Board of Management, Ardenne High School.
- Chair, ICT Committee, Ardenne High School.

### **Olivene Burke**

- Member, Grace Missionary Church Council
- Director, Grace Missionary Church Youth Department
- Member, Jamaica National, Papine Branch Advisory Council
- Board Secretary, Hope Valley Experimental Infant and Primary School
- Board Member, Hermitage Basic School
- President, Hope Valley Infant and Primary School Parent Teachers’ Association

## **Marvalyn Campbell**

- Member, Board of Directors, Mico University College
- Member, Board of Directors, Vauxhall High School
- Member, Human Resources Committee, ODPEM
- Technical Director, Jamaica Amateur Softball Association (JASA)
- Recorder, Jamaica Amateur Athletic Association (JAAA)
- Volunteer, Peace Management Initiative (PMI)
- Member, Jamaica National Building Society Advisory Committee, Papine Branch

## **Kamau Chionesu**

- Advisor/Social & Economic Analyst, Jamaicans for Justice, Social & Economic Justice Project.

## **Evan Duggan**

- Chairman, Board of Directors – Syncon Technologies Ltd.
- Director, Jamaica Diaspora Foundation.
- Associate Editor, *Communications of the Association of Information Systems* (CAIS)
- Section Editor, *African Journal of Information Systems* (AJIS)
- International Review Editorial Board Member, *International Journal of Information Technology Project Management*, *Journal of Information, Information Technology, and Organizations*, and *Journal of Organizational and End User Computing*
- Global Editorial Advisory Review Board Member, Idea Group Inc. Publishing Company
- Member, CARICOM Information and Communication Technologies (ICT) sub-committee on ICT Statistics
- Member, PSOJ Steering Committee for the Commercial Alternative Dispute Resolution Centre (CADRC).

### **Hopeton Dunn**

- Secretary General, International Association for Media and Communication Research (IAMCR).
- Chairman, Broadcasting Commission of Jamaica
- Member, Steering Committee of the Jamaica Press Institute (JPI)
- Commissioner, Jamaica National Commission for UNSECO
- Associate Editor, Critical Arts – Journal of South-North
- Member, ICT Task Force, Planning Institute of Jamaica
- President, Jamaica-South African Friendship Association (JASAFA)

### **William Lawrence**

- Member, Board of Trustees, Small Business Association of Jamaica.
- Member, Board of Directors, McIntosh Bedding Company Limited.
- Member, Turnaround Management Association (TMA).

### **Dr. Maurice McNaughton**

- Co-Chair and reviewer, “Advances in IT Application Development and Delivery Methods and Processes”

### **Dr. Lawrence Nicholson**

- Chair, Steering Committee, of the second iteration of Poverty Reduction Programme (PRP II)
- Member, Steering Committee, PSOJ project to institute good governance among Jamaican family-owned businesses.
- Deputy Chair, Board of Governors, Mona High School.
- Member, University Council of Jamaica’s (UCJ) Accreditation Team for the University of Technology (UTECH).
- Member, Project Steering Committee (PSC) for the Family Governance Research project by IDB, with the PIOJ.

## **Dr. Lila Rao-Graham**

- Reviewer, Americas Conference on Information Systems (AMCIS), 2010.
- Reviewer, European Conference on Information Systems (ECIS), 2010.
- Reviewer, Communications of the Association for Information Systems, 2010
- Local Organizing Co-Chair, International Conference on Information Resources Management (Conf-IRM 2010), Rose Hall Resort and Spa, Montego Bay, Jamaica.
- Professional Member, Association for Computing Machinery (ACM).
- Member, Association of Information Systems (AIS).

## **Student Outreach**

Students in Essentials of Marketing Management (SBBA6400), Diploma in Business Administration put on a fundraising event which generated \$85,000.00. MSB donated an additional \$15,000.00. The \$100,000.00 cheque was presented to the Shady Grove Basic School, the students' choice.

## **MSB Community Service Project**

The Management Team accepted a proposal by Dr. Hopeton Dunn to implement a social intervention project. The target organization is the Jamaica National Children's Home (JNCH). A corporate site visit by MSB executive team was done, and a decision taken to host a Christmas Treat and Sports Day for the children in December 2010. Private institutions will be approached for donations towards the treat and a box strategically placed for staff to donate their own goodies. Volunteers are being sought from the staff complement to organize the different activities for the sports day.

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

**Brian Meeks, BSc, MSc, PhD – Director**

## Overview

**F**or SALISES, this was a year of transition and change.

**Professor Neville Duncan**, who was the Director of the Institute for most of its first decade, retired in July 2009 and was succeeded by **Professor Brian Meeks** of the Department of Government. In November, Senior Secretary **Doreen Blake**, sadly passed on. **Dr Patsy Lewis** went off on sabbatical leave and was replaced for the year by **Dr Peter Clegg** from the University of the West of England.



**Dr Patricia Northover** was approved for tenure and promoted to Senior Research Fellow. **Dr Warren Benfield** resigned from his post as Research Fellow in order to take up a new position internationally. Retired Professor in the Department of Government, **Dr Trevor Munroe** and former Deputy Director of the Planning Institute of Jamaica **Dr Peter John Gordon** assumed one year positions as Visiting Fellows. As the year ended, two members of the Documentation and Data Centre retired. They are librarian **Ms Norma Davis** and library assistant **Mrs Beverley Lothian**. **Dr Kimberly Robinson-Walcott**, editor of special publications, is scheduled to assume a new position at the journal **Caribbean Quarterly** and **Dr Jennifer Wynter Palmer**, Senior Research Fellow at the Mona School of Business and SALISES will be moving to the Office of Administration on a special assignment.

There were two activities that defined the year. The first was the **Quality Assurance Exercise**, which was undertaken in February across the entire Institute, at Mona, Cave Hill and St Augustine. Among the critical proposals made by the international assessment team were:

- To reassess the relative priority and proportion of resources to be allocated to teaching relative to research in the light of the mission of SALISES and its specific responsibility for research.
- To focus the areas of research and teaching more sharply in relation to the overall mission of the Institute.
- To rethink and reorganise the governance model for SALISES in relation to the University, the relationship between the individual centres and the involvement of the staff within the centres themselves.

The recommendations will be discussed and plans for their implementation developed in a retreat in August 2010.

The second major thrust was in the design and launch of a SALISES Mona research programme, which is entitled **'Fifty-Fifty: Critical reflections in a time of uncertainty'**. The year 2012 marks fifty years since both Jamaica (August 6) and Trinidad and Tobago (August 31) gained independence from Great Britain. The aim is to utilise the entire research staff of SALISES along with associates from the Faculty of Social Sciences, other faculties and beyond the UWI, to initiate a discussion around the fiftieth anniversary of Anglo-Caribbean independence and the way forward for the next fifty years. In February **Fifty-Fifty** was formally launched. Retired Vice Chancellor **Sir Alister McIntyre** and former Governor General of Jamaica and retired Principal of Mona, **Sir Kenneth Hall** have agreed to act as members of the Advisory Board for the project. Two further meetings were held with potential research assistants. The first seminars in the Fifty-Fifty project are expected to begin in the latter part of 2010. The SALISES annual research conference in 2011 will involve a call for papers around the Fifty-Fifty theme and in late 2012 a major conference will be held as the culminating activity in the fifty-fifty agenda. A steady stream of articles, Social and Economic Studies (SES)

volumes and books is expected, along with audio visual and net-based productions, including, potentially, a documentary film on the project.

A new, energetic **Colloquium Series** was initiated with **Drs Clegg** and **Wynter-Palmer** in charge. Topics included:

November: Jennifer Wynter- Palmer, seminar on her research on workforce productivity in the Jamaica Hotel Industry.

December: Panel discussion, (including IMF representative) ‘A Role for the IMF in the Caribbean?’

February: Two advanced MPhil/PhD students presented on their current research work.

March: Dr. Peter John Gordon discussed his research on financing tertiary education.

April: Panel discussion (including the Minister of National Security, Hon. Dwight Nelson) entitled ‘Civil Society in Jamaica: Resignation or Resurrection?’

Aside from the individual participation of Fellows in a variety of conferences and seminars, SALISES was directly involved in three major conferences. The annual **Caribbean Child Research Conference**, in which **Dr Aldrie Henry Lee** has played a leading role as coordinator, was once again successfully staged in October 2009. This year, the conference varied from its traditional format in focusing on the original research of high school students on a variety of topics pertinent to children’s rights.

In March, SALISES held its **annual conference** in Trinidad and Tobago under the theme **“Turmoil and Turbulence in Small Developing States: Going beyond survival “**. This was the turn of SALISES St Augustine under the leadership of **Professor Patrick Watson**. Over 100 papers were delivered in a well attended and organised event.

In July, SALISES along with Duke University hosted the seminar **‘States of Freedom; Freedom of States’**. With **Dr. Pat Northover** playing a leading role. This event is expected to stimulate a long and fruitful relationship between UWI and Duke.

Plans are in place for the revamping of *Social and Economic Studies*, to reaffirm its position as a premier journal of the social sciences in the Caribbean. A new look editorial board has been appointed and the aim is to significantly improve the timeliness of all aspects of the journal and to strengthen its intellectual content in the coming year.

Plans have also been discussed to renovate the **Documentation and Data Centre** and in particular, to upgrade the George Beckford Room, as a small but significant archival centre for the social sciences at Mona.

### Looking Forward

The aim for 2010-2011, based on the **Quality Assurance** recommendations, is to strengthen the quality and quantity of original research emanating from SALISES while consolidating the teaching dimension of our work. In this respect, the **Fifty-Fifty project** will play the leading role in establishing a credible programme of coordinated and relevant research aimed at further understanding the social political and economic situation in the Caribbean in order to make informed and concrete proposals as to how to improve it.

### Administration

#### MSc, MPhil and PhD Degree Programmes

The academic year 2008/2009 ended with eleven (11) students being awarded the MSc degree. The breakdown is as follows:

**Table 1: MSc Graduating Class 2008/2009 by programme and gender**

| MSc Programmes               | Governance & Public Policy | Economic Development Policy | Social Policy   | Total            |
|------------------------------|----------------------------|-----------------------------|-----------------|------------------|
| No. of Students by Programme | 7<br>(M=2; F=5)            | 2<br>(M=1; F=1)             | 2<br>(M=1; F=1) | 11<br>(M=4; F=7) |
| Full-Time                    | 5<br>(M=0; F=5)            | 2<br>(M=1; F=1)             | 1<br>(M=0; F=1) | 8<br>(M=1; F=7)  |
| Part-Time                    | 2<br>M=0; F=2)             | 0<br>(M=0; F=0)             | 1<br>(M=0; F=1) | 3<br>(M=0; F=3)  |

In summary, MSc Governance and Public Policy seven (7) students ; MSc Economic Development Policy two (2) students and MSc Social policy two (2) students. Three (3) students were awarded PhD degrees: **Beverly Shirley**, Governance and Public Policy; **Annicia Gayle-Geddes**, Social Policy; and **Girjanauth Boodraj**, Economic Development Policy.

### **New MSc Students (2009/2010)**

Twenty (20) students accepted the offer and registered for the 2009/2010 academic year, fourteen (14) being part-time students and six (6) being full-time students. The breakdown was as follows:

**Table 2: 2009/2010 Registration for New MSc students by programme and gender**

| <b>MSc Programmes</b>        | <b>Governance &amp; Public Policy</b> | <b>Economic Development Policy</b> | <b>Social Policy</b> | <b>Total</b> |
|------------------------------|---------------------------------------|------------------------------------|----------------------|--------------|
| No. of Students by Programme | 9<br>(M=3; F=6)                       | 6<br>(M=1; F=5)                    | 2<br>(M=0; F=5)      | 20           |
| Full-Time                    | 1<br>(M=0; F=1)                       | 3<br>(M=1; F=2)                    | 2<br>(M=0; F=2)      | 6            |
| Part-Time                    | 8<br>M=3; F=5)                        | 3<br>(M=0; F=3)                    | 3<br>(M=0; F=3)      | 14           |

In addition, thirty-three (33) **returning** MSc students registered for the academic year 2009/2010.

A total of twelve - (10) **new** MPhil/ (2) PhD students are registered for the academic year 2009/2010. The breakdown is as follows:

**Table 3: Registration for MPhil/PhD, 2009/2010 by programmes and gender**

| <b>MSc Programmes</b>        | <b>Governance &amp; Public Policy</b> | <b>Economic Development Policy</b> | <b>Social Policy</b> | <b>Total</b> |
|------------------------------|---------------------------------------|------------------------------------|----------------------|--------------|
| No. of Students by Programme | 3<br>(M=0; F=3)                       | 4<br>(M=2; F=2)                    | 5<br>(M=2; F=3)      | 12           |
| Full-Time                    | 2<br>(M=0; F=2)                       | 3<br>(M=1; F=2)                    | 1<br>(M=1; F=0)      | 6            |
| Part-Time                    | 1<br>M=0; F=1)                        | 1<br>(M=1; F=0)                    | 4<br>(M=1; F=3)      | 6            |

In addition, thirty-eight (38) **returning** MPhil/PhD students registered for the academic year 2009/2010.

In summary: There were **fifty-three(53) new and returning MSC students** and **fifty (50) new and returning MPhil/PhD students** registered for the 2009/2010 academic year, giving a total of 103 students.

## **Data and Documentation Centre**

During the period under review the Documentation Centre (DC) continued to provide invaluable information and library facilities to the graduate community of the Mona Campus of the University, especially in the Social Sciences. This was done either through its own stock or by allowing access through the internet and/or the World-Wide-Web. Other local and overseas researchers also utilised the facilities, especially visiting lecturers, research fellows and graduate school students from the United States and United Kingdom.

The DC continued to work in conjunction with the Main Library to increase our access to electronically packaged journal articles. We nevertheless, continue to acquire relevant print documents, including copies of government documents – local and overseas -, UN reports and those of other international agencies, work produced by SALISES fellows and the other staff members of the Social Sciences Faculty, and conference papers – published and unpublished.

In keeping with the above strategy students and faculty have had access continuously over the last decade to hundreds of journal titles, abstracts and/or full text from several electronic journal packages through the main library's web-page. Not all our required journals are included in the electronic packages and also to ensure continuity of service we continued to renew yearly subscriptions to approximately 36 journals. We also continued to receive a substantial number of journals through gifts and exchanges.

Readings were processed for both semesters for the SALISES Graduate Programme, as well as a variety of graduate courses from all the departments in the Faculty with particular emphasis on the Human

Resource Development Programme (HRD) and the Departments of Government and Economics.

## **Derek Gordon Data Bank**

The Databank continued to provide technical services to post-graduate students, provide data sets to students and researchers both in Jamaica elsewhere. A number of post-graduate students attended the Specialized Research Methods course in semester II. This was highly successful with only four (4) students failing the course.

## **Publications Section**

### **SOCIAL AND ECONOMIC STUDIES (SES)**

#### **Published:**

Vol. 58: 2, June 2009 special issue in honor of Trevor Farrell, guest edited by Lou Anne Barclay.

Vol. 58: 3 & 4, Sept-Dec 2009, general issue

Vol. 59: 1/2, March-June 2010, Social Protection in the Caribbean, guest edited by Aldrie Lee and Wilma Bailey.

This year a **Publications Committee** consisting of Brian Meeks, Kim Robinson-Walcott and Annie Paul (chair) was instituted. The Committee oversaw the selection of a new editorial committee for Social and Economic Studies consisting of 14 members: Sonjah Stanley Niaah (Mona); David Tennant (Mona); Matthew Smith (Mona); Jermaine McCaLpin (Mona); Noel Cowell (Mona); Ian Boxill (Mona); Dennis Pantin (St. Augustine); Aaron Kamugisha (Cave Hill); Deborah Thomas (University of Pennsylvania); Silvio Torres-Saillant (Syracuse University); Alissa Trotz (University of Toronto); Jorge Giovanetti (University of Puerto Rico); Michaeline Crichlow (Duke University); Sudhanshu Handa (University of North Carolina at Chapel Hill).

**Editorial Committee members** were carefully selected after consultation with research fellows and colleagues at all three institutes

with a view to reflecting a better mix of younger scholars, a better representation of women and new subject areas. The first editorial committee meeting was held on March 15, 2010 at the video conferencing facilities at the Open Campus Learning Centre with a number of members at remote locations. Another informal meeting was held in Barbados at the CSA conference with those members who were in attendance there. A number of decisions were made with a view to overhauling and repositioning SES for the 21<sup>st</sup> century.

Regrettably one member of the new committee, Dennis Pantin, indicated his inability to continue on the committee due to ill health. Dr. Pantin has subsequently passed away leaving a gap in the area of Economics-related reviewing and advice. We extend condolences to his family.

It was also decided that the publication of books and monographs by the section was to be phased out and only manuscripts that were in production or had been accepted were to be completed.

A decision was also made to start a joint electronic **Working Paper** series that would include all three campuses of SALISES.

## **Books and Monographs Division**

The following publications were published at year end:

The Case for Selective User Fees in Health Care: An Examination of the Issues Related to User Fees among Vulnerable Jamaicans, by Wilma Bailey, Georgiana Gordon-Strachan, Stanley Lalta, Jasper Barnett, Aldrie Henry-Lee and Dillon Alleyne. 2011.

SES Vol. 59, Nos. 1-2. March 2010.

## **PAPERS PRESENTED**

### **Clegg, Peter**

- Germany's role in the New World Order – Germany and the European Union, Jamaican-German Society event, UWI Mona, Kingston, Jamaica, October 2009.

- Turks and Caicos Islands: The Cloud that *still* hangs, Department of Government, UWI Mona, Kingston, Jamaica, Nov. 26 2009.
- The White Paper – Ten Years on, ‘Government and Constitutional Developments’, Overseas Territories Forum, London, UK, December 8, 2009.
- “Governance in the UKOTs’, SALISES 11<sup>th</sup> Annual Conference, St Augustine, Trinidad and Tobago, March 24-26, 2010
- USA’s and Europe’s influence in the Caribbean via its OTs, Seminar organised by Ministry of Foreign Affairs and Foreign Trade and Department of Government, UWI Mona, Kingston, Jamaica, June 14, 2010.

### **Fox, Helen Kristin**

- “Jamaica Household Expenditure Survey, 2004-2005”, Mona Visitors’ Lodge and Conference Centre, Kingston, Jamaica, November 2009.

### **Henry-Lee, Aldrie**

- “Going beyond mere survival in St. Lucia: 30 years after independence”. SALISES 11<sup>th</sup> Annual Conference, St Augustine, Trinidad and Tobago, March 24-26, 2010.
- “Natural Disasters and Child Rights in Haiti”. Caribbean Child Research Conference, The Jamaica Pegasus, Kingston, Jamaica, October 21, 2009.

### **Lewis, Patsy**

- “The Implications of deeper sub-regional integration for the future of the larger CARICOM regional integration project”. Seminar, ‘Situating Jamaica in the Caribbean in the 21<sup>st</sup> Century’, the Ministry of Foreign Affairs and Foreign Trade in association with the UWI, UWI, Mona, June 14, 2010,
- Rethinking Development in Small States: Alternatives to growth’. Caribbean Studies Association XXXV Annual Conference, St. Peter, Barbados, May 24-28, 2010.

- “Rethinking Development in Small States”, SALISES 11<sup>th</sup> Annual Conference, St Augustine, Trinidad and Tobago, 24-26 March, 2010.
- ‘Human Security Implications of the Global Economic Crisis for the Caribbean’, Twenty-third Session of the Caribbean Development and Cooperation Committee (CDCC), Rex Grenadian, St. George’s, Grenada, 17 March, 2010.
- “Implications of the Lisbon Treaty and the revision of the Cotonou Agreement on CARICOM/EU relations”. Seminar on The Future of Caribbean – European Union Relations: Defining a Research Agenda. Institute of International Relations, UWI, St Augustine, Trinidad, October 8-9, 2009.

### **Meeks, Brian**

- “The Labour Day Crisis in Jamaica: First Impressions”, Symposium ‘States of Freedom: Freedom of States’, UWI/Duke University, Mona, June 16-18, 2010.
- “Alternative Caribbean Futures: Whither Jamaica in the Changing Architecture of the Caribbean?” Seminar on Jamaica in the Caribbean, Ministry of Foreign Affairs and Foreign Trade and Department of Government, UWI, Mona, June 14, 2010.
- “The King is Dead”, Presentation on roundtable, “Remembering Rex Nettleford”, 35th Caribbean Studies Association Conference, Barbados, May 24-28, 2010.
- “Grenada Once Again”, 35th Caribbean Studies Association Conference, Barbados, May 24-28, 2010.
- “Selwyn Ryan in the Stream of his Contemporaries”, 11th Annual SALISES Conference, Port of Spain, March 24-26, 2010.
- “The Legacies of Independence in Jamaica: Towards a Half Century Assessment”, Conference on Caribbean Literature, Culture and Identity, the University College of the Cayman Island, March 11-12, 2010.

- “Trends in Caribbean Research: The English-Speaking Caribbean”, University of Aruba, February 17, 2010.

### **Newman, Nadine**

- “The Janus Face of Disaster preparedness: Protecting Documents from Disasters” SALISES 11<sup>th</sup> Annual Conference, St Augustine, Trinidad and Tobago, 24-26 March, 2010.

### **Northover, Patricia**

- “Rethinking the mangrove in a creole politics of making place: A response to Aníbal José Aponte and Ángel L. Viera-Torado,” 2nd Symposium of critical practices in Caribbean Cultural Studies, “Rethinking the mangrove”, University of Puerto Rico, Mayaguez, October 15-17, 2009.
- “Abject Blackness, Hauntologies of Development and the Demand for Authenticity- A Critique of Sen’s “Development as Freedom,” Caribbean Studies Association, ‘Understanding the everyday occurrence of violence in the cultural life of the Caribbean’, Barbados, May 24-28, 2010 and Duke-UWI symposium, UWI- Mona, June 16-18, 2010.

### **Osei, Philip Duku**

- “Evolving a Performance Based System for the Delivery of Social Protection in St Kitts: An Assessment of Capacity Development”, SALISES 11<sup>th</sup> Annual Conference, St Augustine, Trinidad and Tobago, March 24-26, 2010.

### **Paul, Annie**

- “Developing the Caribbean Scholarly Text: Journal Publishing at the University of the West Indies.” Conference on Quality and Impact of Ibero-American Scientific Journals, San Jose, Costa Rica, October 3-8, 2009.
- “Social and Economic Studies: Its Trajectory and its Future.” Encounter of Caribbean Magazines, Casa de las Américas, Havana, Cuba. November 16-20, 2009.

- “Eyeless in Gaza and Gully: ‘Mi deh pon di borderline.” International Reggae Conference, Current and Future Trends in Popular Music, UWI, Mona, February 17-20, 2010.
- “Span Paramaribo Dub” at the opening of the Paramaribo SPAN exhibition, Paramaribo, Suriname, 26 – 28 February, 2010.

### **Robinson-Walcott, Kimberly**

- “Jamaica Journal: Status, Challenges, and a Vision for the Future.” Encounter of Caribbean Magazines, Casa de las Americas, Havana, Cuba, November 16-21, 2009.
- “Bun or Fire Bun? Wily Women, Survival Slackness and a Possible Wily Survival Strategy for Reading.” SALISES 11th Annual Conference, St Augustine, Trinidad and Tobago, 24-26 March, 2010.
- “Visual-Verbal Vistas: Caribbean Writers Who Paint”. 29<sup>th</sup> Annual West Indian Literature Conference, Kingston, Jamaica, April 29-May 1, 2010.

### **Tindigarukayo, Jimmy**

- Measuring the Impact of the Bashy Bus HIV Prevention Mobile Clinic in Jamaica, SALISES 11<sup>th</sup> Annual Conference, St Augustine, Trinidad and Tobago, 24-26 March, 2010.

### **Wynter-Palmer, Jennifer**

- Stimulating Productivity: An Exploratory Study on the Use of Incentives in Jamaica’s Hotel Industry SALISES Colloquium Series, November 2009, Mona School of Business, UWI, Kingston, Jamaica
- Designing Compensation Systems in the Caribbean, Department of Management Studies, UWI Mona, Kingston, Jamaica, November 2009.

## PUBLICATIONS

### Books and Monographs

#### Henry-Lee, Aldrie

- \* with Wilma Bailey (guest editors) Social Protection in the Caribbean: *SES*, Volume 59, Nos. 1 & 2, March/June 2010.

#### Lewis, Patsy

- \* Social Policy Challenges in Grenada. No. 3 in Social Policies in Small States Series. UNRISD and Commonwealth Secretariat. May 2010. 90 pages. ISBN Paperback: 978-1-84929-025-8; ISBN downloadable e-book: 978-1-84859-074-8.

#### Meeks, Brian

- \* with Norman Girvan (ed.) The Thought of New World: The Quest for Decolonisation Caribbean Reasonings Series, Ian Randle Publishers, Kingston and Miami, 2010 (344 pages).

#### Osei, Philip

- \* Diamond, John, Joyce Liddle, Alan Southern, **Philip Osei**, 2010. Urban Regeneration Management: International Perspectives. Abingdon: Routledge. 296pp.

### Refereed Book Chapters

#### Meeks, Brian

- \* “The Rise and Fall of Caribbean Black Power” in Michael West, Fanon Che Wilkins and William Martin (eds.) The Black International: From Toussaint to Tupac, University of North Carolina Press, 2009, pp.197-214.

#### Northover Patricia

- \* with M. Crichlow. (2010). “Size, Survival and Beyond: A Critical Underlabouring for Fleeing the Plantations,” The Thought of the New World: The Quest for Decolonization. Eds. Brian Meeks and Norman Girvan. (Kingston: Ian Randle Press).

## **Paul, Annie**

- \* Paul, Annie. 2009. No grave cannot hold my body down. African Cities Reader. Eds. Edgar Pieterse & Ntong Edjabe. Capetown: African Centre for Cities and Chimurenga. 179-197. <http://www.africancitiesreader.org.za/reader.php>
- \* The turn of the native: Vernacular creativity in the Caribbean. In Helmut K. Anheier and Yudhishtir Raj Isar, eds. Cultural expression, creativity and innovation. Volume 3, Cultures and Globalization Series. London: Sage. 124-130.

## **Refereed Journal Articles**

### **Clegg, Peter**

- \* Turks and Caicos Islands: The cloud that *still* hangs, *Social and Economic Studies*, 58, 3 & 4, 2009, pp.227-233.

### **Henry-Lee, Aldrie**

- \* with Patrick Watson, Philip Osei and Sharon Trezelle “Social Risk Management in a Small Island: The case of St Lucia”. *SES*, Volume 59, Nos. 1 & 2, March/June 2010, pp.61-89.
- \* with Wilma Bailey, Georgiana Gordon-Strachan, “Coping Strategies Used by Clients Seeking Preventive Health Care Services - Jamaica”. *SES*, Volume 59, Nos. 1 & 2, March/June 2010. pp. 289-309.
- \* with Gordon-Strachan Georgiana, Wilma Bailey, Jasper Barnett, Stanley Lalta and Dillon Alleyne, “The Impact of User Fees for Preventive Health Care- Jamaica, *SES*, Volume 59, Nos. 1 & 2, March/June 2010. pp 123-152.

### **Northover, Patricia**

- \* with Crichlow, Michaeline A, Sean Metzger and “Questioning Freedoms in the Atlantic World” *Cultural Dynamics*, 21 (3), 215-225, November 2009.

- \* with M. Crichlow. “Homing Modern Freedoms- Ships sailing through modern space,” *Cultural Dynamics*, 21 (3), 283-316, November 2009.

### **Osei, Philip**

- \* with A. Henry-Lee, P. Watson, and S. Trezelle, 2010. Social Risk Management in a Small Island: The Case of St Lucia”, *Social & Economic Studies*, Vol. 59, (1&2): 61-89.
- \* “Managing Urban Regeneration in Jamaica: The Cluster Implementation Approach and Outcomes”, *Local Government Studies*, Vol. 35, No. 3, 315-334.

### **Wynter-Palmer, Jennifer**

- \* “Compensation in Jamaica - Intrinsic vs Extrinsic Motivation”, *Caribbean Annals*, Vol. 2 No.1, Northern Caribbean University, Oct 09, pp 9-22.

### **Non-Refereed Articles/Book Chapters**

#### **Clegg, Peter**

- \* ‘Dudus and the Jamaica state of emergency’, Oxford Analytical, May 31, 2010, Internet article.
- \* ‘UK tightens grip on its Caribbean territories’, *Jane’s Intelligence Weekly*, November 11, 2009, pp9.
- \* Articles for Jane’s Sentinel Country Risk Assessments on the UK Caribbean Overseas Territories, Bermuda, and the Dutch Overseas Territories. Internet article.
- \* “The impact of the global financial crisis for Caribbean Account” – the magazine of the Caribbean Association of Indigenous Banks, pp. 47-49.
- \* Book reviews on CARICOM, the US Invasion of Grenada, and the Caribbean-EU EPA for *Social and Economic Studies* (58, 3 & 4 Sept/Dec 2009, pp. 235-238), *The Round Table* (99, 407, April 2010, pp.222-223).

## **Meeks, Brian**

- \* with Bogues, Anthony. "A Caribbean Life: An Interview with Lloyd Best", in Brian Meeks and Norman Girvan (eds.) The Thought of New World: The Quest for Decolonisation, Ian Randle Publishers, Kingston and Miami, 2010, pp.220-327.
- \* "Introduction: Remembering New World" in Brian Meeks and Norman Girvan (eds.) The Thought of New World: The Quest for Decolonisation, Ian Randle Publishers, Kingston and Miami, 2010, pp. xi-xv.

## **Osei, Philip**

- \* 'Learning from the Experience of Vision 2020 in Kingston, Jamaica', in John Diamond, Joyce Liddle, Alan Southern Alan, eds. 2010. Urban Regeneration Management: International Perspectives. Abingdon: Routledge, Pp. 65-91.

## **Tindigarukayo, Jimmy**

- \* "Perceptions and Opinions of Jamaicans on Caribbean Institutions for Regional Integration", *Caribbean Dialogue*, Vol. 11, Nos. 1 & 2, pp. 1-10.
- \* "Methodological Triangulation and Youth Information Centers in Jamaica", *Caribbean Dialogue*, Vol. 11, Nos. 1 & 2, pp. 11-33.

## **Wynter-Palmer, Jennifer**

- \* "Big Stimulus, little stimuli", *The Sunday Gleaner*, November 15, 2009, pA9.

## **Non- Refereed**

### **Paul, Annie**

- \* "Haiti: Togetherness Is Strength", *Economic and Political Weekly*, Vol. XLV, No 8, February 20-26, 2010.
- \* "No Garde to be Avant of", catalogue essay for *Global Caribbean: Focus on the Contemporary Caribbean Visual Art Landscape*. Miami, December 2009-March 2010.

## **Wynter-Palmer, Jennifer**

- \* ‘The nation state’s authority is squeezed by globalization from below as well as globalization from above’. *Centre for Labour Market Studies*, University of Leicester. July 2009
- \* “To what extent is a learner-led VET system an effective route for skill development” – The HEART Trust/NTA, a case study, *Centre for Labour Market Studies*, University of Leicester. June 2010.

## **Technical Reports**

Lewars, Tony, **Brian Meeks**, and Charles Jones

- \* Report of Review of the Differences between the Nurses Association of Jamaica and the Government of Jamaica with reference to the Health Sector Job Evaluation Exercise, Kingston, May- September 2009.

## **Lewis, Patsy**

- \* ‘The Implications of the International Economic Crisis on Human Security in the Caribbean’. Chapter 2, *Caribbean Development Report*, pp. 35-74. ECLAC, Port of Spain, December 2009. INT UN/GE 8.5.

## **Osei, Philip Duku**

- \* Evaluation of the Portmore Municipal Council and the Municipality Experience. Office of the Prime Minister, Department of Local Government, Kingston, Jamaica, 79 pp, 2010.
- \* Civil Paths to Peace: A Desk Study on Programmes that Promote Peace and Resolve Conflict Globally. Commonwealth of Learning, Vancouver, Canada. 77pp, 2010.

## **Tindigarukayo, Jimmy**

- \* A Report on Portmore Municipality Survey, for the Ministry of Local Government, May 2010.

- \* A Final Report on “Monitoring and Evaluation of CARICOM Training Workshops in Demographic Analysis”, for the Caribbean Community (CARICOM) Secretariat, October 2009.
- \* A Survey Report on “The National Housing Policy and Implementation Plan for Jamaica”, for the Ministry of Housing and Water, Government of Jamaica.

## **Projects Undertaken by SALISES or SALISES Staff**

### **Henry-Lee, Aldrie**

- \* Principal Investigator: Development of A Safe Schools Policy for Jamaica. Commissioned by the Ministry of Education and financed by UNICEF.
- \* British Virgin Islands Social Sector Analysis (Sociologist): Principal Investigator – Professor Neville Duncan.

### **Robinson-Walcott, Kimberly,**

- \* Quality Assurance Report – SALISES Mona. 200-pp, January 2010.

## **PUBLIC SERVICE**

### **Fox, Helen Kristin**

- Member, Research Committee, Early Childhood Commission
- Member, Jamaica Survey of Living Conditions Committee

### **Henry-Lee, Aldrie**

- Member, UNICEF/PIOJ Social Investment in Children Initiative
- Interim Chair, Social Policy Cluster, Fifty/Fifty Research Project

### **Meeks, Brian**

- Member, Caribbean Studies Association (CSA)

- Member, Editorial Board, The University of the West Indies Press.
- Member, Editorial Advisory Board, *Souls: A Critical Journal of Black Politics, Culture and Society*, (Columbia University).
- Member, Editorial Board, Lexington Books, Caribbean Series.
- Contributing Editor, *WADABAGEI Journal*, Caribbean Research Center, Medgar Evers College, City University of NY.
- Member, Editorial Board, Journal of the University College of the Cayman Islands.
- Director, Centre for Caribbean Thought, UWI Mona.

### **Newman, Nadine**

- Assistant Secretary, Chancery Hall Citizen's Association
- Class Representative, St. Peter and Paul, Grade 1<sup>3</sup>

### **Northover, Patricia**

- Member, Excelsior High School Student welfare/ LHS scholarship Fund

### **Osei, Philip D**

- Member, National Steering Committee on Decentralisation Policy in Jamaica
- Member, National Advisory Council on Local Government Reform in Jamaica.
- Board Member, S-Corner Community Development and Health Centre

### **Paul, Annie**

- Member, Executive Council, Caribbean Studies Association
- Board member and editorial committee member, MSB Review, a Mona School of Business Publication
- Member, National Gallery of Jamaica, Education and Publication committee
- Associate Editor, *Small Axe: A Caribbean Journal of Criticism*

- Board member and contributor, *Caribbean Review of Books*
- Board member, JAMCOPY, the Jamaican Copyright Licensing Agency
- Peer reviewer, University of the West Indies Press

#### **Robinson-Walcott, Kimberly**

- Editor, *Jamaica Journal*
- Editorial board member, *Caribbean Review of Books*.
- Associate editor, *International Journal of the Book*.
- Appointed peer reviewer, *Small Axe*, effective September 2009.
- Peer reviewer, University of the West Indies Press.
- Member, JAMCOPY.
- Member, Association for Commonwealth Literature and Language Studies.

#### **Tindigarukayo, Jimmy, PhD**

- Member, Committee on Data Sharing and Pricing Policy, Public Sector Reform Unit, Cabinet Office

#### **Wynter-Palmer, Jennifer**

- Chair, Church of God Girls' Home Board
- Chair, Leadership and Development Commission, Church of God in Jamaica
- Member, HRD Committee, Church of God in Jamaica
- Judge, Ministry of Tourism's - 2010 Tourism in Service Excellence Awards Programme
- Consultant, Ministry of National Security's Policy Directorate on Strategic Planning and Teamwork/Departmental collaboration

## **INCOME GENERATION/AWARDS**

### **DATA BANK**

The income generated for the period under review was **\$98,960.00**.

### **Documentation Centre**

The Library generated a fair amount of income from photocopies with an approximate total of **\$250,000** during the period.

### **Meeks, Brian**

Research Institute for the Study of Man (RISM) and Reed Foundation grant to the Centre for Caribbean Thought to host seventh Caribbean Reasonings conference in honour of Gordon K. Lewis scheduled for June 2010 and temporarily postponed. **US\$30,000.00**.

### **Osei, Philip**

Evaluation of the Portmore Municipal Council and the Municipality Experience. Office of the Prime Minister, Department of Local Government. Kingston, Jamaica. This commissioned research brought **J\$1.8M** into the SALISES Consultation Account (2010).

### **Publications Section**

The income generated for the period under review as **\$1,669,581.63**.

### **Henry-Lee, Aldrie**

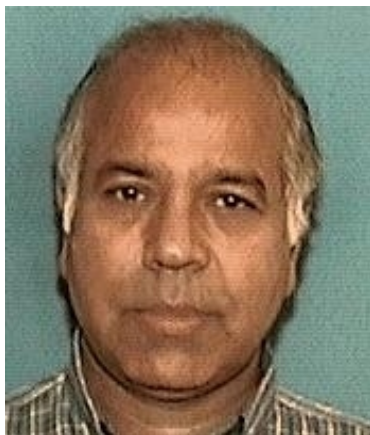
UNICEF and EFJ combined values for the Caribbean Child Research Conference, **\$1,922.159**.

Safe School Policy Project is valued at **\$3,873,200.00**.

## THE BIOTECHNOLOGY CENTRE

**Prof. M. Ahmad, BSc *Bhagal*, MSc, PhD *LARI* – Director**

The Biotechnology Centre celebrated its 20th Anniversary in June 2010. The main event was a cocktail party and ceremony held on June 16th, 2010. The guest speaker was the Vice Chancellor of the University of the West Indies, Professor Nigel Harris, who mentioned in his speech that the Centre “brought to the University the ability to contribute in full what is expected of mature universities”. He referred to the fact that the University was “not an organization built simply to give degrees, but also to contribute to society in broad and diverse ways through education, discovery, innovation and outreach”. The event was very well attended including Ambassadors, Ministers, the Principal of the UWI, current and retired Professors, industrial and UWI collaborators, and past and current students.



Further to the event of the 16<sup>th</sup> June, a supplement was published in the Gleaner of June 29<sup>th</sup> featuring the work, staff and students of the Centre. Congratulatory messages were given by the Governor General of Jamaica, the VC of the UWI, our main sponsor, the CEO of the Jamaica Broilers Group and from the Director of the Biotechnology Centre. Other events in celebration of the Centre’s 20<sup>th</sup> Anniversary included an Editorial issued by Innovative Ideas which appeared in the Sunday Gleaner, June 13<sup>th</sup>, 2010, and a training session on the 16<sup>th</sup> of June on ‘Medicinal Plants of Jamaica – the contribution of technology’, hosted for farmers. The workshop was sponsored by the Environmental Foundation of Jamaica.

## WORK OF THE CENTRE

The Centre's work is concentrated on agricultural biotechnology and throughout 2009 – 2010 the staff focused on various projects involving medicinal plants, molecular biological studies on geminivirus, transgenic papaya and citrus research, and studies on root and tuber crops. Dr. Latanya Fisher, recent graduate of the Centre, obtained a Research Fellowship through the Office of the Principal to conduct research on the development and evaluation of transgenic citrus materials with resistance against citrus tristeza virus (CTV). Collaborative work is being conducted with the Horticultural Sciences Department, University of Florida, Gainesville. The Principal Investigator is Dr. Paula Tennant.

During the year under review, all the members of staff were involved in the training and supervision of projects being undertaken by postgraduates, as well as the teaching and supervision of undergraduate programmes and projects in the departments of Basic Medical Sciences, and Life Sciences. Annually, the Centre hosts outreach and educational workshops for various groups including teachers, sixth form science students, and farmers.

## PAPERS PRESENTED

- Bahado-Singh, P.S., Wheatley, A.O. and Asemota, H.N. (2009). "Nano-impacts of Food Glycemic Indices in type 2 diabetes: Analyzing the interplay of fiber and incretins in glucose release and absorption in the **small intestines**". 17<sup>th</sup> Annual International Conference on Composites/Nano Engineering. Honolulu, Hawaii, USA, July 26 – August 1, 2009
- De la Haye, W., Gardner, N., Luke, K., Wheatley, A.O., Bahado-Singh P., Lowe, H., Ahmad, M., Salako, A., and Asemota, H. (2010). "The use of nutritional supplements in reducing craving associated with cocaine dependence". 2<sup>nd</sup> International Conference on Drug Discovery and Therapy (ICDDT). Dubai Men's College, UAE. February 1-4.

- Gardner, N., Wheatley, A.O., Bahado-Singh, P., Dilworth, L., De la Haye, W., Lowe, H., Salako, A. and Asemota, H. (2009). “The effects of nutritional supplements in the reduction of hepatocellular oxidative damage associated with cocaine dependence”. Faculty of Medical Sciences 18<sup>th</sup> Annual Research Conference. University Hospital of the West Indies, Mona, Jamaica; November 11-13.
- Harvey A.C., Riley C.K., Adebayo S.A., Wheatley, A.O., Ahmad H. and Asemota H.N. (2009). “Children Syrups Substitution by Tablet Formulations Utilizing Acetylated Yam (*Dioscorea sp.*) Starches as Potential Excipients”. Faculty of Medical Sciences 18<sup>th</sup> Annual Research Conference. November 11-13, 2009.
- Harvey, A.C., Stennett, D.K, Riley C.K., Adebayo S.A., Wheatley A.O. and Asemota H.N. (2010). “Potential Utilization of Yam (*Dioscorea sp.*) Biomaterials in the Formulation of Tablets for Management of Diabetic Complications”. 16th International Diabetes Conference of the University Diabetes Outreach Programme, March 25-28, 2010.
- Mitchell, Sylvia. (2010). “Tissue Culture Technology: Possibilities for Improving Jamaica’s Agriculture Productivity and Sustainable Food Production”. JSA/COA/CASE Seminar on Cutting Edge Technologies for improving agricultural productivity and food security. March 25, 2010, College of Agriculture, Science and Education. Portland, Jamaica.
- Olarte Castillo XA, Rojas Y, Tennant P, Fuchs M, Sierra R, Bernal AJ, Fermin G and S. Restrepo S (2010). “Origin, evolution and molecular epidemiology of Papaya ringspot virus. Plant Viruses Exploiting Agricultural and Natural Ecosystems”. 11th International Plant Virus Epidemiology Symposium and 3rd Workshop of the Plant Virus Ecology Network. Cornell University, Ithaca, New York, June 20-24, 2010.

## PUBLICATIONS

- \* Bennett S, Tennant P, Mc Laughlin W (2010). “First report of Hop stunt viroid infecting citrus orchards in Jamaica”. *Plant Pathology* 59: 393
- \* Collins, A.M., Brown, J.K., Mujaddad Rehman, M., Roye M.E (2009). “Complete nucleotide sequence of an isolate of *Euphorbia Mosaic Virus* that infects *Euphorbia heterophylla* and *Wissadula amplissima* in Jamaica”. *Archives of Virology* 154:1859-1860.
- \* Collins, A.M., Mujaddad Rehman, M., Brown, J.K., Reddy, C., Wang, A., Fondong V., Roye, M.E. (2009). “Molecular characterization and experimental host range of an isolate of *Wissadula* golden mosaic St. Thomas virus”. *Virus Genes* 39:387-395.
- \* Collins, A.M., Mujaddad Rehman, M., Brown, J.K., Reddy, C., Wang, A., Fondong, V., Roye, M.E. (2010). “Molecular characterization and experimental host range of an isolate of *Macropodium* golden mosaic virus-[JM1] that infects *Wissadula amplissima* in Jamaica”. *Virus Research* 150:148-152.
- \* Delahaye C., L. Rainford, A. Nicholson, S.A. Mitchell, J. Lindo and M.H. Ahmad (2009) “Antibacterial and antifungal analysis of crude extracts from the leaves of *Callistemon viminalis*”. *J. Medical and Biological Sciences*. Vol 3, Issue 1, 2009: 1-7.
- \* Fisher L, Tennant P, Mc Laughlin W (2010). “Detection and characterization of Citrus tristeza virus stem pitting isolates in Jamaica”. *European Journal of Plant Pathology* 127: 1-6.
- \* Graham, A.P., Martin, D.P., Roye, M.E. (2010). “Molecular characterization and phylogeny of two begomoviruses infecting *Malvastrum americanum* in Jamaica: Evidence of the contribution of inter-species recombination to the evolution of malvaceous weed-associated begomoviruses from the Northern Caribbean”. *Virus Genes* 40:256-266.

- \* Powell M, Wheatley A, Omoruyi F, Asemota H, Williams NP, Tennant PF (2010). “Comparative effects of dietary administered transgenic and conventional papaya on selected intestinal parameters in rat models”. *Transgenic Research* 19: 511-518
- \* Tennant P, Fisher L, McLaughlin W (2010). “Disease-resistant transgenic crops: priorities and strategies for the Caribbean”. <http://knowledge.cta.int/en/Dossiers/S-T-Issues-in-Perspective/Biotechnology/Articles/Disease-resistant-transgenic-crops-priorities-and-strategies-for-the-Caribbean>.

## INCOME GENERATION

The Environmental Health Foundation granted USD8,825.00 (J\$767,775.00) under the project Glycemic indices of Jamaica foods and development of low GI products for diabetic and health conscious individuals. The funds are designated to purchase equipment for use in the project.

The Centre received the sum of J\$4.2M to conduct research under the project “Enhancing productivity of medicinal Plants during Cultivation and processing using innovative machines”. The grant was made available from the Environmental Foundation of Jamaica (EFJ) for a period of two years from September 2009. In addition, the EFJ awarded a discretionary grant for \$190,000.00 towards conducting a workshop on ‘Medicinal Plants of Jamaica – the contribution of technology’. The workshop was held on the 16<sup>th</sup> of June 2010 conducted by Dr. Sylvia Mitchell.

The sum of \$445,000.00 was received from the Jamaica Broilers Group and an additional grant for \$50,000 obtained from the Tropical Battery Company as a contribution towards the Centre’s 20<sup>th</sup> Anniversary Celebration.

## **PUBLIC SERVICE**

### **Prof. M. H. Ahmad**

- Member, National Biosafety Committee, National Commission on Science and Technology (NCST).
- Member, Caribbean G17 Committee

### **Dr. Sylvia Mitchell**

- Co-editor, In Vitro Report of the Society for Invitro Biology (SIVB)
- UWI Representative and Chair of the Advisory Board, Centre of Excellence for Advanced Technology in Agriculture (CEATA)
- Member, Biosafety committee, National Commission on Science and Technology (NCST).
- Scientific Advisor, Ministry of Health Advisory Committee on Complementary and Alternative Medicine.
- Reviewing editor, *Journal of Ethnopharmacology* (JEP), *Journal of Medicinal Plants Research* (JMPR), *African Journal of Pharmacy and Pharmacology* (AJPP), *Journal of Plant Growth Regulation* (JPGR), *In Vitro-Plant* (IVP), *Plant, Cell, Tissue and Organ Culture* (PCTOC), and *Scientific Research and Essays* (SRE).

### **Dr. Andrew Wheatley**

- Director, Jamaica Anti-Doping Commission (JADCO)
- Chair, JADCO Subcommittee on Science and Education and Chair – Education and Outreach Committee
- Director, Jamaica National Commission for UNESCO

## STUDENTS

Mr. Adriel Ramkissoon was admitted to the Biotechnology Centre to pursue a MPhil degree in Biotechnology. His research will concentrate on the determination and characterization of the ARV resistance in paediatric AIDS cases in Jamaica and will be supervised by Dr. Marcia Roye.

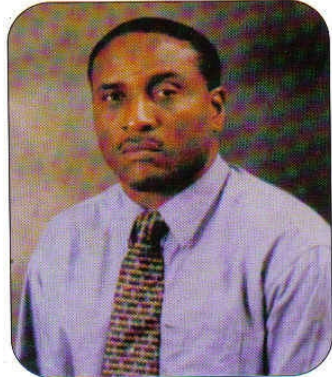
In September 2009 two students supervised by Dr. Paula Tennant were awarded their degrees in Biotechnology. Latanya Fisher was awarded the PhD degree in Biotechnology for her thesis entitled “Evaluation of the diversity of citrus *tristeza clostero virus* (CTV) isolates in Jamaica and development of transgenic citrus material” and Shawna Gae Turner was awarded the M Phil for her work on the “Evaluation of *Carica* and *Vasconcellea* Germplasm for sources of resistance against papaya ringspot virus isolates from Jamaica”.

## **THE HUGH WYNTER FERTILITY MANAGEMENT UNIT**

**Professor Joseph Frederick, CD, MBBS, DM (O&G), FRCOG,  
FACOG – Head of Department**

### **OVERVIEW**

**D**uring the year in review the Unit continued to pursue the plans for the extension and renovation of its physical facility and it is expected that construction will commence in the last quarter of 2010. There has been substantial investment of time and effort to co-ordinate the various technical inputs and to collaborate with internal and external offices and agencies to achieve the current project status.



Implementation of the three year Strategic Plan began in earnest. An Oversight Committee was established to monitor its progress. In our thrust to promote the Unit, the first Open Day was held October 2009, a newsletter was produced and the development of a website begun. The Unit has participated in and supported various events and conferences including the UWISON Annual Nursing and Midwifery, UWI Research Day and the Grabham Society of Obstetricians and Gynaecologists. Work in the portfolio areas of clinical services, research, training and outreach continues with efforts to increase output and incorporate the new initiatives. Significant enhancement of the Unit's work is anticipated with the extension and its technological facilities.

### **OPEN DAY**

On October 15, 2009 the Hugh Wynter Fertility Management Unit hosted its first open day under the theme "Sexual and Reproductive Health: Issues and Answers". Topics included 'Adolescent Sexual and

Reproductive Health’, ‘Sexually Transmitted Infections and Behaviour Change’ and ‘Male and Female Infertility’. Presenters included personnel from the Ministries of Health and Education, the University of the West Indies and Private Practice. Participants included health and education practitioners and students from secondary and tertiary educational institutions in the environs of the University of the West Indies. Exhibits were mounted by suppliers of equipment and pharmaceuticals, international funding agencies and organizations involved in the delivery of sexual and reproductive health services.

### Clinical Services

Clinical services generated income from services to clients inclusive of the provision of contraceptives devices and surgical and diagnostic procedures. Tubal ligation, diagnostic and operative laparoscopy, cyst aspiration, and diagnostic laparoscopy were the five leading procedures. Table 4 gives details of the services provided.

**Table 4: Clinical Procedures by Volume**

| <u>Procedures</u>       | <u>No.</u> |
|-------------------------|------------|
| Oral Contraceptives     | 774        |
| Depo-provera injection  | 2021       |
| Jadelle implant         | 5          |
| IUCD                    | 142        |
| Tubal Ligation          | 56         |
| Vasectomy               | 6          |
| Diagnostic Laparoscopy  | 117        |
| Diagnostic Hysteroscopy | 251        |
| Cyst aspiration         | 16         |
| Operative laparoscopy   | 188        |
| Operative hysteroscopy  | 35         |

### Assisted Reproductive Technologies

The Unit registered approximately 104 potential patients and offered in-Vitro Fertilization (IVF) consultation to over one hundred patients

interested in the treatment. IVF services are provided to a mix of local, regional and international clients.

Thirty two couples undergoing IVF treatment participated in counselling sessions. The development of the donor gamete programme includes psychological screening of all prospective donors. The treatments performed for the year under review are outlined in Table 5 below.

**Table 5: Assisted Reproductive services performed 2009-2010**

| <b>Treatments Offered</b>       | <b>Total</b><br><b>(for period August 2009 - July 2010)</b> |
|---------------------------------|-------------------------------------------------------------|
| All IVF cycles                  | 106                                                         |
| Pregnancies from IVF Cycles     | 22 (2 outcomes pending)                                     |
| Intrauterine Insemination (IUI) | 18                                                          |
| Pregnancies from IUI            | 2                                                           |
| Frozen Embryo Transfers (FET)   | 21                                                          |
| Pregnancies from FET            | 6                                                           |
| Semen Analysis                  | 167                                                         |

## Teaching

For academic year 2009/2010 fifty eight (58) students were enrolled in the MSc Counselling programme. Student distribution by country is shown in Table 1. Nineteen (19) returning students registered to do the final research project (COUN6301).

**Table 1: MSc Counselling Student Distribution by Country**

| <b>Country</b> | <b>New</b> | <b>Returning</b> | <b>Total</b> |
|----------------|------------|------------------|--------------|
| Antigua        | –          | 9                | 9            |
| Bahamas        | 2          | 1                | 3            |
| Barbados       | –          | 1                | 1            |
| Belize         | 3          | –                | 3            |
| Cayman         | –          | 2                | 2            |
| Dominica       | 4          | 1                | 5            |

|              |           |           |           |
|--------------|-----------|-----------|-----------|
| Jamaica      | 7         | 3         | 10        |
| St. Kitts    | 2         | –         | 2         |
| St. Lucia    | 5         | –         | 5         |
| St. Vincent  | 5         | 1         | 6         |
| Trinidad     | 8         | 4         | 12        |
| <b>Total</b> | <b>36</b> | <b>22</b> | <b>58</b> |

## New students

Thirty six (36) new students were enrolled during the prequalifying year 2009-2010 of the programme. Thirty four (34) of the new students who registered for the four prequalifying courses were engaged in teleconferences, face to face tutorials and practical counselling laboratories at their respective sites. Three additional new students (one each in Mona, St. Lucia and Trinidad) were admitted to the programme in September 2010.

## Examinations

The results of the examinations for the four prequalifying courses per site are shown in Table 3.

**Table 3: Examination results for academic year 2009/2010**

| Country         | Intro. Couns. |          | Dev. Psych |          | Grp. Couns. |          | Abn. Psych |          | With-<br>drawals |
|-----------------|---------------|----------|------------|----------|-------------|----------|------------|----------|------------------|
| No. at Site     | Pass          | Fail     | Pass       | Fail     | Pass        | Fail     | Pass       | Fail     |                  |
| Bahamas (2)     | –             | 2        | –          | 1        | –           | –        | –          | –        | 2                |
| Belize (3)      | 2             | –        | 2          | –        | 2           | 1 abs    | 2          | 1 abs    | 1                |
| Dominica (4)    | 2             | –        | 4          | –        | 2           | 2 abs    | 2          | 1 abs    | –                |
| Jamaica (6)     | 3             | 1        | 2          | –        | 5           | 1        | 2          | 1        | 1                |
| St. Kitts (2)   | –             | 2        | 1          | –        | –           | –        | –          | –        | 2                |
| St. Lucia (4)   | 1             | 1        | 1          | 1        | 2           | –        | 2          | –        | 1                |
| St. Vincent (5) | 3             | –        | 3          | –        | 5           | –        | 5          | –        | –                |
| Trinidad (8)    | 6             | –        | 3          | –        | 6           | –        | 4          | 1 abs    | –                |
| <b>Total 34</b> | <b>17</b>     | <b>6</b> | <b>16</b>  | <b>2</b> | <b>22</b>   | <b>4</b> | <b>17</b>  | <b>4</b> | <b>7</b>         |

## Graduation

Thirty nine (38) students who were awarded M.Sc. Counselling degrees in the academic year 2008-2009, graduated in October 2009. Eight of these students achieved distinction. Ten students are expected to graduate in October 2010.

## PAPERS PRESENTED

- **Dr. John Harriott** “Laparoscopic Management of Endometriosis and Infertility”. Jamaica Awareness Association of California in Partnership with Annotto Bay Hospital on June 16, 2010.
- **Dr. Loxley Christie** “Contraceptive for Adolescence” at the ACOG Conference on April 2010.

## PUBLICATIONS

### Journal Articles

- \* **SH Wynter, VE DaCosta, JA Harriott, LR Christie, J Frederick, DM Everett-Keene, RA Foster, YH Walters.** Invitro Fertilization: “Donor Egg Sharing for Premature Ovarian Failure.” *West Indian Medical Journal*; 58, 6 (2009) 593-595.
- \* **DaCosta V, Christie L, Wynter S, Harriott J, Frederick J.** Uterus bicornis bicollis, imperforate hemivagina and ipsilateral renal agenesis: Case Report and Literature Review. *West Indian Med J* 2009 Nov; 58 (5): 379-82.

## PUBLIC SERVICE

### Frederick, Joseph, Professor

- Member, Caribbean Initiatives of Planning Committee of Planned Parenthood
- Member, Pacesetters Toast Masters Club

**Hamilton, Pansy**

- Board Member, The Mico University College
- Board Member, Caribbean HIV/AIDS Alliance
- Vice President, Jamaica Association of Health Service Executives
- Member, United Church in Jamaica and the Cayman Islands, Synodical Committee
- Executive Member, YWCA Jamaica
- Member, Jamaica America Friendship Association (JAFa)
- Member, Churches Emancipation Committee for the Annual Emancipation Lecture

**Jackson, Elaine**

- Director and Executive Producer, UIWAIS House of Worship Ministry
- Member of the Board, August Town Primary School
- Member, Jamaica Association of Composers, Authors and Publishers

**Meade, Joan**

- Past President, Lions Club of St. Andrew Central

**Williams, Lillith**

- Member, Jamaica Downs Syndrome Association
- Member, Jamaica Association for Persons with Mental Retardation
- Regional leader in Region 5: Kingston, St. Andrew and St. Thomas, Parents and Professionals in Partnership
- Coordinator, Parents and Friends of the Randolph Lopez Adult Centre for adults with intellectual disabilities.

**McKenzie, Claudette**

- Member, Jamaica Association of Health Service Executives

## **STUDENTS**

### **Denise Everett Keene**

- Successfully completed her Masters in Clinical Embryology with Merit from The University of Leeds, United Kingdom in November 2009.

### **Delcora Williams**

- MSc student - received special recognition from OAS as a Scholarship holder and in her portfolio as Acting AIDS Program Manager in Antigua.

### **Sharifa Frederick**

- Received her DM degree in Obstetrics and Gynaecology and joined the IVF team in November 2009.

## THE NATURAL PRODUCTS INSTITUTE

**Trevor H. Yee, BSc (Hons), PhD UWI, MBA (Hons) Nova**  
– Executive Director

### WORK OF THE INSTITUTE

Research has continued on the extraction process for Bitterwood, *Picrasma excelsa* (Simaroubaceae), which has been granted local and US Patents. An application for a European Patent has been filed. The process along with two improvements are being completed for additional filings.



As a result of the investigations carried out into novel control methodologies against two alien invasive pests of Citrus, two Patent Applications were filed with the US Patent Office, on 29<sup>th</sup> January, 2010, “Methods of Controlling the Breeding Behavior of Butterflies” and “Methods and Products for Reducing the Population Size of *Papilio demoleus* L. (Papilionidae)”. The first of these described the methodology developed against the butterfly species, *Heracles andraemon*, which arrived in Jamaica in 1945, and for which the Citrus industry spends several million dollars annually in control measures. The second pest, *Papilio demoleus*, which has the reputation of being a potentially devastating pest was first observed in the Western hemisphere in the Dominican Republic in 2004, and had spread to Puerto Rico in 2005, and Jamaica in 2006. Since the filing of these applications, research has continued into additional measures of control against these pests.

The Institute received a major grant valued at J\$11.95M from the Forest Conservation Fund, to conduct research for developing a Nutraceutical industry in Jamaica. Granted to **Dr. Delgoda**, and collaborators, one of the major outcomes would be to establish bioactivity screens (especially a Cancer screening facility) at UWI, Mona. Cancer training was also obtained for one of our PhD candidates, **Ms. Simone Badal**, at Clemson

University, South Carolina, with funding from U.S.A. and Graduate Studies, UWI, Mona.

One of our students, **Ms. Charah Watson**, who is completing her PhD degree, entered the Florida Entomological Society's PhD Students' Research Competition in July 25-28, 2010, and won second prize from a field of eight competitors for her presentation. The competition was held at the Society's Annual Meeting at Jupiter Beach, Florida. She presented on the new pest control methodologies developed which resulted in the filing of the two patent applications mentioned. She had been awarded a travel grant by the Research and Publications Committee to travel to Florida.

One of our posters (by **Dr. Delgoda**, and PhD candidate **Simone Badal**), won first place (for technical excellence) at the 23<sup>rd</sup> Mona Symposium on Natural Products and Medicinal Chemistry, January 4-7, 2010. One of the posters (by **Dr. Yee**, PhD student **Denise Daley-Beckford**, **Dr. R. Lindo**, **Prof. P. Reese**) won second prize at the UDOP Conference, March 26-29, 2010.

Research is continuing on plants with chemopreventive properties (prevention of the formation of cancers), herbicidal activity (particularly useful in organic agriculture), anti-tuberculosis activity and those with value as bio-fuels. Major surveys spanning local and rural populations on the use of herbs alone and along with prescription medicines have been conducted, along with laboratory investigation to predict likely drug-herb interactions.

## RESEARCH GRANTS

- **Forest Conservation Fund (J\$11.946M)** for project "Bioprospecting forest medicinal plants for the development of a nutraceutical industry: aiding alternative livelihoods", 2010-2013, granted to Dr. R. Delgoda (Principal Investigator, NPI) and Dr. L. Lindo (Biochemistry, UWI).
- **Research and Publication Grant, UWI (2 graduate students, US\$4000)** to Dr. Delgoda

- **Research and Publication Grant US\$ 2000** (for travel for Simone Badal, PhD candidate).
- **Research and Publication Grant US\$ 1035** (for travel for Charah Watson, PhD candidate).

## PAPERS PRESENTED

### Trevor H. Yee

- **Watson C.** , Jacobs H., Garraway E., Robinson D., **Chisholm N.**, **Yee T.** Novel Investigations and applications with economic significance from the Jamaican Biodiversity. Joint 7<sup>th</sup> International Symposium on Chromatography of Natural Products and 6<sup>th</sup> International Society for the Development of Natural Products, Lublin, Poland, June 14-17, 2010.
- **Trevor H. Yee, Charah T. Watson,** Eric Garraway, Dwight E. Robinson, and **Nemoi S. Chisolm.** Studies on Two Invasive Butterflies and Development of Methods to Control Them. Annual General Meeting of the Natural History Society, 20<sup>th</sup> March, 2010.

### Rupika Delgoda

- **Badal S, Picking D, Franis S,** Simpson D.S., Huang G, Vendantam P, Jacobs H, Tzeng T.J. and **Delgoda R,** Anti cancer efficacy of Jamaican natural products , Health professionals conference 2010, July 10-11, 2010, University of Technology, Jamaica
- **Badal S, Picking D, Franis S,** Reese P, Jacobs H, Jackson Y, Gallimore W, Tzeng J, Gangemi J and **Delgoda R,** “ Anticancer and chemopreventive properties of natural and synthetic compounds” , 6<sup>th</sup> International symposium of the development of natural products, Poland, June 2010
- **Delgoda R** and Sutcliffe M, “Structure-activity relationship studies of cytochrome P450 1A1 inhibitors”, 23<sup>rd</sup> Mona symposium on natural products and medicinal chemistry, Jan 4-7, 2010

## Posters

### Trevor H. Yee

- Daley-Beckford, D.K., Lindo, R.L., **Yee, T.**, and Reese, P. 2010. Hypoglycaemic Principles Isolated from *Eucalyptus camaldulensis*. The Medical Science Conference, Nov. 11-14, 2009.
- Daley-Beckford, D.K., Lindo, R.L., **Yee, T.**, and Reese, P. 2010. Hypoglycaemic Principles Isolated from *Eucalyptus camaldulensis*. The Mona Symposium: Natural Products and Medicinal Chemistry, Jan. 4-7, 2010.
- Daley-Beckford, D.K., Lindo, R.L., **Yee, T.** and Reese, P. 2010. Hypoglycaemic Compounds Isolated from *Eucalyptus camaldulensis* Showing a Similar Effect in Comparison with Metformin. The University Diabetes Outreach Program Conference, March 26-29, 2010.

### Rupika Delgoda

- **Badal S**, Williams S.A, Jacobs H and **Delgoda R.**, Natural products as inhibitors of CYP enzymes, 23<sup>rd</sup> Mona Symposium on Natural Products and Medicinal Chemistry, Jan 4-7, 2010.
- Parker SA, Jacobs H, **Delgoda R** and **Badal S**. Semi-synthetic polyprenylatedacylphloroglucinols (PPAPS) from 7-epi-nemorosone, the major constituent of *clusia flava*; 23<sup>rd</sup> Mona Symposium on Natural Products and Medicinal Chemistry, Jan 4-7, 2010.
- **Badal S**, Williams S.A, Jacobs H and **Delgoda R.**, Natural products as inhibitors of CYP1 enzymes, 16<sup>th</sup> North American meeting of the International Society for the Study of Xenobiotics, Baltimore, Maryland, October 18-22, 2009.

## Abstracts

### Trevor H. Yee

- **Watson C.** , Jacobs H., Garraway E., Robinson D., **Chisholm N.**, **Yee T.** Novel investigations and applications with economic

significance from the Jamaican Biodiversity. Joint 7<sup>th</sup> International Symposium on Chromatography of Natural Products and 6<sup>th</sup> International Society for the Development of Natural Products, Lublin, Poland, June 14-17, 2010.

- Daley-Beckford, D.K., Lindo, R. L., **Yee, T.**, and Reese, P. 2009. The Isolation, Purification and Elucidation of the hypoglycaemic Principles of *Eucalyptus camaldulensis* in Normoglycaemic Sprague-Dawley Rats, *West Indian Medical Journal*, Vol. 58: (suppl. 1) p. 39.
- Daley-Beckford, D.K., Lindo, R.L., **Yee, T.**, and Reese, P. 2009. Hypoglycaemic Principles Isolated from *Eucalyptus camaldulensis*. The Mona Symposium: Natural Products and Medicinal Chemistry, Vol. 58: (supplement 4) p.44.
- Daley-Beckford, D.K., Lindo, R.L., **Yee, T.**, and Reese, P. 2010. Hypoglycaemic Principles Isolated from *Eucalyptus camaldulensis*. The Mona Symposium: Natural Products and Medicinal Chemistry, Vol. 23: p. 50.
- Daley-Beckford, D.K., Lindo, R.L., **Yee, T.** and Reese, P. 2010. Hypoglycaemic Compounds Isolated from *Eucalyptus camaldulensis* Showing a Similar Effect in Comparison with Metformin. *West Indies Medical Journal*, Vol 59: (suppl. 1) p. 47.

## Rupika Delgoda

- Badal S, Williams SA, Jacobs H and Delgoda R., Natural Products as inhibitors of CYP1 enzymes, *Drug Metabolism reviews*, October 18-22, 2009.
- Badal S, Picking D, Franis S, Simposn D.S., Huang G, Vendantam P, Jacobs H, Tzeng T.J. and **Delgoda R**, Anti cancer efficacy of Jamaican natural products, Proceedings of the college of health sciences, health professionals conference 2010, July 10-11, 2010, University of Technology, Jamaica.
- Badal S, Picking D, Franis S, Reese P, Jacobos H, Jackson Y, Gallimore W, Tzeng J, Gangemi J and **Delgoda R**, “Anticancer

and chemopreventive properties of natural and synthetic compounds”, 6<sup>th</sup> International symposium of the development of natural products, Poland, June 2010.

- **Delgoda R** and Sutcliffe M, “Structure-activity relationship studies of cytochrome P450 1A1 inhibitors”, 23<sup>rd</sup> Mona symposium on natural products and medicinal chemistry, Jan 4-7, 2010.
- Badal S, Williams SA, Jacobs H and **Delgoda R.**, Natural Products as inhibitors of CYP enzymes, Book of abstracts, 23<sup>rd</sup> Mona symposium on natural products and medicinal chemistry, Jan 4-7, 2010.
- Parker SA, Jacobs H, **Delgoda R** and Badal S. Semi-synthetic polyprenylatedacylphloroglucinols (PPAPS) from 7-epi-nemorosone, the major constituent of *clusia flava*; 23<sup>rd</sup> Mona symposium on natural products and medicinal chemistry, Jan 4-7, 2010

## PUBLICATIONS

### U.S. Patent Applications

- \* **Trevor H. Yee, Charah T. Watson**, and Eric Garraway, 2010. Methods of Controlling the Breeding Behavior of Butterflies. Filed with the U. S. Patent Office, Jan. 29, 2010.
- \* **Trevor H. Yee, Charah T. Watson**, Eric Garraway, **Nemol Chisholm**, and Dwight E. Robinson, 2010. Methods and Products for Reducing the Population Size of *Papilio demoleus* L. (Papilionidae). Filed with the U. S. Patent Office, 29<sup>th</sup> Jan., 2010.

### Peer Reviewed Journals

- \* **Delgoda R**, Younger N, Barrett C, Braithwaite J, Davis D, The prevalence of herbs use in conjunction with conventional medicines in Jamaica, 2010, *Complementary therapies in Medicine*, 18, 13-20.

## **PUBLIC SERVICE**

### **Trevor H. Yee**

- Treasurer, International Society for the Development of Natural Products.
- Executive Committee Member, the Natural History Society of Jamaica.
- Member, Steering Committee: Towards a National Bioprospecting Programme, National Commission of Science and Technology, Office of the Prime Minister.

### **Rupika Delgoda**

- Executive Director, TEDx Jamaica (a nonprofit organization devoted to ideas worth spreading).
- UWI representative, Caribbean Business Herbal Association-Jamaica Chapter.
- Executive committee member, Jamaica Sri-Lanka Friendship Association.
- Executive committee member, Eleven Millsborough residents association.

## **TROPICAL MEDICINE RESEARCH INSTITUTE (TMRI)**

**Professor Terrence Forrester, MBBS, DM, MSc, PhD *UWI*,  
MRCP *Lond*, FRCPEd – Director**

### **The Tropical Medicine Research Institute**

The Tropical Medicine Research Institute is a University of the West Indies, Caribbean wide health research institution. It was formed in 1999 at the request of the then Vice Chancellor, Sir Alister McIntyre on the basis of a proposal to the UWI Grants Committee by its Founding Director, Professor Terrence Forrester. The Institute was constituted, using as its base, 2 existing research units, the Tropical Metabolism Research Unit and the Sickle Cell Unit, both of them legacy UK



MRC Units, on the UWI Mona Campus in Jamaica. It was fleshed out by creating, at the outset, an Epidemiology Research Unit from the staff members in the TMRU who worked in that discipline. A year later, the Institute expanded by funding the Chronic Disease Research Centre, another epidemiology unit at UWI Cave Hill in Barbados. Ten years later, the Institute is trying to raise funds to construct a new health intervention unit. Funding difficulties have caused lengthy delays in implementing this project. In its earlier incarnations, this unit was called the TMRI Health Intervention Research Unit. Recent alignment with UWI Mona campus initiatives and the grant funding climate has made for a name change. This new unit is presented as an Energy Metabolism Research Unit at Mona which will use research findings to develop novel interventions for obesity and co-morbidities. The TMRI has also responded to requests from the Dean, UWI St. Augustine in Trinidad to replicate this new Unit on that Campus within a three year period. The Dean has very recently (June 2010) successfully negotiated access to space in a new University (St. Augustine Campus) complex sufficient to house an energy lab and the associated

academic and support staff offices and facilities. These strategic developments have been spearheaded by the TMRI Director.

## **The Mission of the Tropical Medicine Research Institute**

The TMRI exists to conceive and deliver high quality research that addresses regional and global health priorities in order to improve health, enhance wellbeing, and create wealth through this investment in human capital.

## **Overall Objectives**

Overall objectives in pursuit of this mission are:

- Increased focus of the research programmes on regional and global priorities so designed as to facilitate uptake by policy makers and programme designers
- Increased training of the next generation of research scientists, with a particular focus on Academic Clinicians
- Through research and training, derive income to better resource the operational and capital budgets of the Institute

## **Specific Objectives**

The specific objectives that the Institute will pursue in order to meet its mission will continue to include those aiming:

## **TMRI Research Programme**

The TMRI is composed of four research units; each unit expresses specific areas of research activity. Programmes are therefore rooted in, and driven by individual Units. However, continuing efforts to stimulate cross Unit collaboration has allowed for emergence of programmatic themes that indeed span units. Despite the resource constraints, the Institute, through its specialist Units, has focused on research and training programmes that fall within its current capacity. **The Institute is active in the following**

**programmatic themes which are anchored in specific Units though enriched by cross Unit collaboration.**

- **Child Development** – Child Development Research Group, Epidemiology Research Unit
- **Human Nutrition and Metabolism** – Tropical Metabolism Research Unit
- **Developmental Origins of Health and Disease** – Tropical Metabolism Research Unit
- **Genetic underpinnings of disease susceptibility and severity** – Tropical Metabolism Research Unit
- **Sickle Cell Disease** – Sickle Cell Unit
- **Chronic Non-Communicable Diseases** – Chronic Disease Research Centre and Epidemiology Research Unit
- **Inflammation** – Chronic Disease Research Centre and Sickle Cell Unit

## **CLINICAL SERVICES**

### **Sickle Cell Unit**

#### **Sickle Cell Clinic**

The Sickle Cell Unit is the only comprehensive type clinical facility for the care of persons with sickle cell disease in Jamaica. Sickle Cell Clinics are held Mondays to Fridays at the SCU building located at Ring Road, University of the West Indies, Mona as well as on the last Tuesdays and Wednesdays of each month at St. Elizabeth (Black River hospital) and St. James (Cornwall Regional Hospital) respectively.

The SCU operates an ambulatory clinic and a day-care ward where complications such as acute painful crises, acute febrile illness and acute anaemia are managed. Over 90% of patients with acute painful crises are managed as outpatients and this model of aggressive acute day-care has acted as a model for SCD Centres elsewhere. There has been a continual

increase in the number of patients attending the clinic (patient load) and the number of visits per patient (clinic load). The clinic load has increased ~10-fold, from 3668 visits in 1973-75 to 55,686 visits in 2005-2010.

## **Severe Childhood Malnutrition**

The TMRI provides in-hospital care for children with severe malnutrition at the TMRU ward. Through the TMRU, the Institute also provides a **Clinical Nutrition Service to the University Hospital**, offering nutritional support to the critically ill, including enteral and parenteral nutrition. In addition to the clinical care offered on site, TMRI also provides an outreach programme for social work and social welfare.

## **Undergraduate and Postgraduate Teaching**

The Tropical Medicine Research Institute provides teaching at undergraduate and postgraduate levels as above. The TMRI faculty teaches both undergraduate and graduate medical students in the areas of Biostatistics, Epidemiology, Family Medicine, Paediatrics, Clinical Nutrition and Haematology.

MSc degree programmes in Nutrition and Epidemiology are offered.

## **Post Doctoral Fellowships**

The Institute operates a structured Post Doctoral programme which aims to develop independent Academic Researchers. There are three Faculty of Medical Sciences Fellowships tenable on the Mona Campus and three TMRI institutional Fellowships.

## **Student Achievement – MSc Epidemiology**

Douladel Willie: “Projected Impact of the WHO 2006 Child Growth Standards on Prevalence and Incidence estimate and the diagnosis of Protein Energy Under nutrition and Childhood Obesity” Awarded 2008, Graduation 2009

**Supervisor:** Jan Van den Broeck

Iyanna Wellington: “Adolescent Overweight and Socioeconomic Status: the Jamaican Situation” – Awarded 2009

**Supervisor:** Rainford Wilks

Denese McFarlane: “Prevalence and Correlates of Anaemia in Jamaican Adolescents” – Awarded 2009

**Supervisor:** Rainford Wilks

Shelly Ann Hunte “Validity and Reliability of Interviewer Assessed Built Environment” – Awarded 2009

**Supervisors:** Marshall Tulloch-Reid, Novie Younger

Chisa Cumberbatch “Hours of Sleep and Sleep Quality on Diabetes Prevalence and Control in Jamaica” – Awarded 2009

**Supervisors:** Marshall Tulloch-Reid, Novie Younger

Sabrina Simpson “Educational attainment and physical activity in Jamaican Adults” – Awarded 2009

**Supervisors:** Trevor Ferguson, Novie Younger

**Supervisor S. Walker:**

Candace Simpson, Diet and prostate cancer in Jamaican men. Diet and prostate cancer. PhD awarded 2009

## **Programmes based in the Child Development Research Group**

## **PUBLICATIONS**

### **Peer Reviewed**

- \* Baker-Henningham H, **Hamadani J**, Huda S, Grantham-McGregor S. (2009) Undernourished children have different temperaments than better nourished children in rural Bangladesh. *Journal of Nutrition* 139, 1765-1771.
- \* Baker-Henningham H, Walker S, Powell C, Meeks Gardner J. (2009) A pilot study of the Incredible Years Teacher Training programme and a curriculum unit on social and emotional skills

- in community preschools in Jamaica. *Child: Care Health and Development* 35, 624-31.
- \* Baker-Henningham H, Meeks Gardner J, Chang S, Walker S. (2009) Experiences of violence and deficits in academic achievement among primary school aged children in Jamaica. *Child Abuse and Neglect* 33, 296-306.
  - \* **Jackson M**, Walker S, Simpson C, McFarlane-Anderson N, Bennett F. (2009) Are food patterns associated with prostate cancer in Jamaican men: a preliminary report. *Infect Agent Cancer* 4 (Suppl 1) S5.
  - \* **Tulloch-Reid MK**, Walker SP. (2009) Quality of life in Caribbean youth with diabetes. *West Indian Medical Journal* 58, 250-6.
  - \* Baker-Henningham H, Walker S (2009) A qualitative study of teachers' perceptions of an intervention to prevent conduct problems in Jamaica preschools. *Child: Care, Health and Development* 35, 632-42
  - \* Walker SP (2010) Early stimulation and child development (invited commentary) *International Journal of Epidemiology* 39, 294-6.
  - \* Walker SP, Chang SM, Grantham-McGregor S. (2010) Effects of Term Low Birth Weight and Stimulation on Cognition and Behaviour at 6 Years in a cohort of Jamaican infants. *Developmental Medicine and Child Neurology*. Epub.
  - \* **Jackson M**, Walker S, Simpson CM, McFarlane-Anderson N, Bennett FI, Coard KCM, Aiken WD, Tulloch T, Paul TJ, Wan RL. (2010) Body size and risk of prostate cancer in Jamaican men. *Cancer Causes & Control*.
  - \* Chang SM, Walker SP, Grantham-McGregor S, Powell C. Early childhood stunting and later fine motor abilities. *Developmental Medicine and Child Neurology* Epub.

## **External Funding and collaborations** (collaborators affiliations indicated)

2009-2011: The Inter-American Development Bank. Intergenerational impacts of early childhood experiences.

**Investigators:** S Walker, S Chang, S. Grantham-McGregor (Institute of Child Health, UK), C Osmond (MRC Epidemiology Resource Center, Southampton, UK), 2009 J\$2,502,187, 2010 (**US\$71,000**)

2009-2010 Environmental Foundation of Jamaica. Planning for the sustainability of an intervention to prevent child conduct problems and to promote children's social and emotional skills.

**Investigators:** H Baker-Henningham, S Walker, **J\$2,006,000**

2007-10 The Wellcome Trust Research Training Fellowship for Dr H Baker-Henningham. Promoting young children's social and emotional competence and preventing conduct problems.

**Investigators:** H Baker-Henningham, S Walker, S Scott (Institute of Psychiatry, UK) **£297,190**

## **Programmes based in the Tropical Metabolism Research Unit**

**Research:** Three programmes have their intellectual centre of gravity rooted in TMRU; they are the Human Nutrition and Metabolism, Developmental Origins of Health and Disease and Genetics Programmes. The respective Programme Leaders are Terrence Forrester, Michael Boyne and Colin McKenzie. These programmes have discovery research as their organising principle; within this context, opportunities are sought to add translation research to the more indirect effects such more clinical and basic research exert on policy, programme and practice. Thus, the studies on disordered intermediary metabolism in severe childhood malnutrition have made their way into the WHO Manual for clinical care of severe malnutrition; and ongoing research includes laboratory based proof of principle studies that could inform formal trials. The strategy for both DOHAD and Genetics is the more indirect route of defining mechanism and in the process, identifying potential translation targets.

**Clinical Service:** The Unit operates a full time paediatric ward with 13 beds as a tertiary referral centre for children with severe childhood malnutrition. Clinical Care is coordinated by the Head of TMRI Clinical Services and there are two professional staffers; one Paediatrician and a Clinical Nutritionist. An Adult Physician will be appointed in 2010 using UHWI resources. All the Clinicians of TMRU contribute to clinical coverage. The Staff engaged in this clinical practice form the Clinical Nutrition Team which responds to requests for consultant input into the care of critically ill patients in the University Hospital of the West Indies who have special nutrition needs.

### **Tropical Metabolism Research Unit (Consolidated Human Nutrition & Metabolism, DOHAD and Genetics Programmes)**

## **PUBLICATIONS**

### **Peer reviewed**

- \* Bennett NR, Boyne MS, Cooper RS, Royal-Thomas TY, Bennett FI, Luke A, Wilks RJ, Forrester TE. Impact of adiponectin and ghrelin on incident glucose intolerance and on weight change. *Clin Endocrinol (Oxf)*, 2009 Mar; 70(3): 408-414.
- \* Boyne MS, Thame M, Osmond C, Fraser RA, Gabay L, Reid M, Forrester TE. Growth, Body Composition, and the Onset of Puberty: Longitudinal Observations in Afro-Caribbean Children. *J Clin Endocrinol Metab*. 2010 Apr 28.
- \* Boyne MS, Wollard A, Phillips DI, Taylor-Bryan C, Bennett FI, Osmond C, Thomas TY, Wilks RJ, Forrester TE. The association of hypothalamic-pituitary-adrenal axis activity and blood pressure in an Afro-Caribbean population. *Psychoneuroendocrinology* 2009 Jun; 34(5) :736-742.
- \* Chiang CW, Gajdos ZK, Korn JM, Kuruvilla FG, Butler JL, Hackett R, Guiducci C, Nguyen TT, Wilks R, Forrester T, Haiman CA, Henderson KD, Le Marchand L, Henderson BE, Palmert MR, McKenzie CA, Lyon HN, Cooper RS, Zhu X, **Hirschhorn JN**. Rapid assessment of genetic ancestry in

populations of unknown origin by genome-wide genotyping of pooled samples. *PLoS Genet* 2010; 6(3).

- \* Creary LE, McKenzie CA, Menzel S, Hanchard NA, Taylor V, Hambleton I, Spector TD, Forrester TE, Thein SL. Ethnic differences in F cell levels in Jamaica: a potential tool for identifying new genetic loci controlling fetal haemoglobin. *Br J Haematol*, 2009 Mar; 144(6): 954-960.
- \* Creary LE, Ulug P, Menzel S, McKenzie CA, Hanchard NA, Taylor V, Farrall M, Forrester TE, Thein SL. Genetic variation on chromosome 6 influences F cell levels in healthy individuals of African descent and HbF levels in sickle cell patients. *PLoS One* 2009; 4(1)
- \* East-Innis AD, Thompson DS. Cutaneous drug reactions in patients admitted to the dermatology unit at the University Hospital of the West Indies, Kingston, Jamaica. *West Indian Med J*; 2009 Jun; 58(3): 227-230.
- \* **Gluckman PD**, Hanson MA, Bateson P, Beedle AS, Law CM, Bhutta ZA, Anokhin KV, Bougneres P, Chandak GR, Dasgupta P, Smith GD, Ellison PT, Forrester TE, Gilbert SF, Jablonka E, Kaplan H, Prentice AM, Simpson SJ, Uauy R, West-Eberhard MJ. Towards a new developmental synthesis: adaptive developmental plasticity and human disease. *Lancet*, 2009 May 9; 373(9675): 1654-1657.
- \* Hassanein MT, Lyon HN, Nguyen TT, Akyzbekova EL, Waters K, Lettre G, Tayo B, Forrester T, Sarpong DF, Stram DO, Butler JL, Wilks R, Liu J, Le Marchand L, Kolonel LN, Zhu X, Henderson B, Cooper R, McKenzie C, Taylor HA, Jr., Haiman CA, **Hirschhorn JN**. Fine mapping of the association with obesity at the FTO locus in African-derived populations. *Hum Mol Genet*, 2010 May 17.
- \* Kang SJ, Chiang CW, Palmer CD, Tayo BO, Lettre G, Butler JL, Hackett R, Adeyemo AA, Guiducci C, Berzins I, Nguyen TT, Feng T, Luke A, Shriner D, Ardlie K, Rotimi C, Wilks R,

Forrester T, McKenzie CA, Lyon HN, Cooper RS, Zhu X, **Hirschhorn JN**. Genome-wide association of anthropometric traits in African- and African-derived populations. *Hum Mol Genet*, 2010 May 6.

- \* Less LA, Ragoobirsingh D, Morrison EY, Boyne M, Johnson PA. A preliminary report on an assessment of a community-based intervention for diabetes control in adults with type 2 diabetes. *Fam Pract*, 2010 Jun; 27 Suppl 1:i46-52.
- \* McKenzie CA, Hanchard NA, Harding R, Hambleton I, Modell B. Rate of change of sickle allele frequency may be influenced by total fertility rate: a sesquicentenary reflection on human micro-evolution. *Br J Haematol*, 2009 Nov;147(4): 582-583.
- \* Tulloch-Reid MK, Boyne MS, Smikle MF, Choo-Kang EG, Parkes RH, Wright-Pascoe RA, Barton EN, Wilks RJ, Williams DE. Cardiovascular risk profile in Caribbean youth with diabetes mellitus. *West Indian Med J*, 2009 Jun; 58(3):219-226.

## List of Grants held for, Human Nutrition and Metabolism, Developmental Origins of Health and Disease and Genetics Programmes anchored in TMRU

| Funding Agency                         | Research Project                                                                                                                                  | Total Grant Amount | UWI Grant Amount | Start Date | End Date | Principal Investigator                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|------------|----------|----------------------------------------------------------------------|
| National Institutes of Health          | Glutathione Homeostasis & Oxidant Damage in Kwashiorkor                                                                                           | US\$1,372,623      | US\$335,121      | Apr. 07    | Mar. 12  | Terrence Forrester/<br>Farook Jahoor Baylor                          |
| International Atomic Energy Agency     | Programming of Body Fat Composition and Metabolic syndrome in African origin syndrome                                                             | £21,600            | £21,600          | Dec. 05    | Dec. 10  | Terrence Forrester                                                   |
| National Institutes of Health          | Aromatic amino acid metabolism in the pathogenesis of kwashiorkor (NIH)                                                                           | US\$645,000        | US\$205,024      | Sep. 06    | Aug. 10  | Terrence Forrester (UWI)/Farook Jahoor (Baylor College)              |
| International Atomic Energy Agency     | Non-exercise activity thermogenesis and weight gain in urban and rural adults in Jamaica, a low middle income country in epidemiologic transition | US\$232,000        | US\$232,000      | 2007       | 2009     | Terrence Forrester                                                   |
| Jamaica National Building Society      | Impact of Jamaica National Micro-Credit Programme on Health and Development in Jamaica                                                            | J\$16,726,200      | J\$16,726,000    | Oct. 07    | Dec. 09  | Terrence Forrester                                                   |
| Health Research Council of New Zealand | Developmental adaptation to an obesogenic environment                                                                                             | US\$365,000        | US\$365,000      | Oct. 08    | Sep. 10  | Peter Gluckman (University of Auckland)<br>CO-PI: Terrence Forrester |

|                                                              |                                                                                               |               |             |         |          |                                                             |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------|-------------|---------|----------|-------------------------------------------------------------|
| International Atomic Energy Agency                           | Management of Service Acute Malnutrition                                                      | £45,000       | £15,000     | Nov. 08 | Sept. 10 | Asha Badaloo                                                |
| National Institute of Health                                 | Modelling the epidemiologic transition: energy expenditure, obesity and diabetes (NIH)        | US\$2,441,138 | US\$172,800 | Apr. 09 | Mar. 13  | Amy Luke, Co-Investigator: Terrence Forrester               |
| The Broad Institute, Inc. / Doris Duke Charitable Foundation | Whole-exome re-sequencing in sickle cell disease patients with extremely mild clinical course | US\$486,000   | US\$32,400  | Nov. 09 | Oct. 12  | Guillaume Lettre (Montreal Heart Institute), Colin McKenzie |
| National Institute of Health                                 | Genetic study of severe childhood malnutrition                                                |               | US\$9,000   | Jul. 10 | Jun. 11  | John Belmont (BCM), Colin McKenzie (collaborator)           |

## Programmes Based in the Sickle Cell Unit

The Sickle Cell Unit (SCU) is the only comprehensive facility for the care of persons with Sickle Cell Disease (SCD) in the English speaking Caribbean. In fact, we are one of the largest of such facilities world-wide with over 5000 patients registered in our database. We are fully owned and managed by the University of the West Indies (UWI), through the Tropical Medicine Research Institute. In addition to recurrent costs (staff costs and utilities) which are funded by the UWI, our operational budget has to be supplemented by competitively acquired grants from external donor agencies to sustain our programmes.

The mission of the Sickle Cell Unit is to be a research institution which seeks to improve the lives of individuals with sickle haemoglobinopathies through rigorous Biomedical Research, Education and Clinical Care. The Unit has evolved from being a research clinic that catered to the needs of the Jamaica Sickle Cell Cohort recruits to being a full service primary care facility that is involved in research, clinical care and education.

## 2010 - Specific Objectives

For the strategic plan 2010 we will continue to build on our gains of the last quinquennium

### Clinical Care Division

- a. Strengthen organizational factors to improve health care delivery to persons with sickle cell disease. This includes the hiring a social worker, clinical psychologist, and a public health nurse dedicated to persons on hydroxyurea, improving health care workers' skills, information systems and formal patient

self-management programmes. With regards to information systems we propose to complete improvements in our Patient Management Systems to a web based application that incorporates core management strategies of our Standard of Care guidelines.

- b. Work with Ministry of Health to decentralize health care delivery to persons with sickle cell disease.
- c. Work with Ministry of health to have Island-wide screening for Sickle Cell Disease.
- d. The establishment and equipping of a clinical diagnostic centre at the SCU to facilitate both service and research by identifying complications early so as to allow timely intervention. The resource requirements are:
  - i) Construction of new diagnostic laboratory 800 sq ft (~75m<sup>2</sup>) facility.
  - ii) Equipment required are an Oxygen saturation monitor, vital signs monitor, ultrasound machine, Transcranial Doppler Machine and dual head gamma counter.

#### Research Division

- a. Continue observational cohort studies refining phenotypic expressions with the aims of facilitating genetic research and providing data to inform public health and clinical interventions
- b. Clinical trials in the following phenotypes
  - i) Conditional TCD velocities
  - ii) Renal insufficiency
  - iii) Asthma and Acute Chest
  - iv) Leg Ulcers
- c. Mechanistic studies examining the role of genetic polymorphism, inflammation and nutrition in the expression of these phenotypes.

## Peer reviewed publications – Sickle Cell Unit

- \* A.S.Bowers, D.J.Pepple and H.L.Reid. Oxygen delivery index in homozygous sickle cell disease: steady and crisis states. *British journal of biomedical science*, 2009 66 (3)148-149
- \* Knight-Madden J, Barton-Gooden A. Contraceptive usage among Jamaican women with sickle cell disease. *Contraception* 2009 Nov; 80(5): 474-8.

## Grants supporting clinical trials and clinical epidemiology in Sickle Cell Disease

Title: HQP 2008-004  
A Randomized, Blinded, Placebo-controlled, Dose Escalation Study of Evaluate the Safety, Tolerability and Pharmacokinetics of HQK 1001 in Subjects with Sickle Cell Disease

Principal Investigator: Prof. Reid / Dr. Cumming

Source of Funding: Hemaquest (J\$382,421 per patient)2009-2010

Title: Pneumococcal Serotype and Resistance Patterns in Children with Sickle Cell Disease: A comparative study between a developing country and a developed country.

Principal Investigator: Dr. Knight-Madden

Source of Funding: Wyeth (US\$19,100) (2008-2010)

Title: A longitudinal study of lung function in adults with Sickle Cell Disease

Principal Investigator: Dr. Knight-Madden / Prof Reid

Source of Funding: UWI & CHRC - J\$1,702,755.40 and US\$7,879.80 (2009-2010)

Title: Quality of life of patients with Sickle Cell Disease: Rural-urban differences

Principal Investigator: Dr. Asnani / Dr Anderson

Source of Funding: CHRC (US\$5,637) (2009-2010)

Title: Measuring Glomerular Filtration in Sickle Cell Disease:  
99m-Tc DTPA scan vs. <sup>51</sup>Cr-EDTA measurement.

Principal Investigator: Dr. Asnan / Prof Reid

Source of Funding: CHRC (US\$5,475) (2009-2010)

Title: Prevalence of Microalbuminuria in Jamaican Children with  
Sickle Cell Disease

Principal Investigator: Dr. King / Prof Reid

Source of Funding: CHRC (US\$4,000) (2009-2010)

Title: Sparing Conversion to Abnormal TCD Elevation

Principal Investigator: Prof Reid / Dr. Ali / Prof Ware

Source of Funding: NIH (US\$3,731,339) (2010-2015)

## **Programmes Based in the Epidemiology Research Unit**

Epidemiology is a basic science for clinical medicine and public health medicine and is an important tool and skill for persons pursuing a career in academic medicine. The skills and competences derived from training in epidemiology are applicable to all areas of the biomedical sciences.

The discipline of epidemiology can only develop and flourish on the basis of a viable research programme providing relevant information for science and policy and the opportunity for continuous training and retention of new epidemiologists which will sustain and expand the discipline as the needs increase.

The ERU has been accepted into the International Clinical Epidemiology Network (INCLEN), as a Clinical Epidemiology Unit (CEU), and we see this as an important stepping stone to achieve ‘internationalization’ while not losing sight of the regional imperative. We have benefited from this collaboration with one of our graduate students receiving the Canadian Emerging Leaders in the Americas Programme (ELAP) scholarship and the training of 9 members of the Unit in Effective Project Planning and Evaluation (EPPE) through the World Health Organization Special Programme for Research and Training in Tropical Diseases (TDR). At the same time the CNCD group is advancing collaborations on its CNCD

agenda with Morehouse School of Medicine (CNCDs in minorities and health disparities), the University of Michigan (chronic kidney disease and cardiovascular diseases), the University of Arizona (CNCDs and fracture risk) and University of Pittsburgh Graduate School of Public Health (Translation of Diabetes Prevention Programme to Caribbean). So far or major planned collaboration with another developing country is with the Public Health Institute of Mexico (obesity) (with Simon Barquera) and with Professor W.P.T. James of the International Association for the study of obesity (IASO) through his connection with Mexico.

We are now exploring novel risk factors for cardiovascular disease and diabetes such as social indices, depression, quality of life, sleep and the built environment which are of international interest. These factors are important determinants of adherence and complications.

In response to the increasing burden of cardiovascular disease and diabetes we have started the process of developing intervention programmes to address this issue. A project to address obesity in 6-10 year old children in Jamaica (Pan American Health and Education Foundation [PAHEF]) is currently underway and two proposals – one for Type 2 diabetes prevention and the other for reducing foot complications are currently under development.

In the upcoming period the CNCD group anticipates growth and strengthening primarily from retaining the current core staff which continues to improve its skills and competences, but also from the further training of three members of staff in areas which are crucial to its long term objectives. These members of the team will be trained in social epidemiology (Colette Cunningham-Myrie) via a Hubert Humphrey Fellowship; in nutritional epidemiology (Damian Francis) via a Canadian ELAP Fellowship and completion of a PhD; and mental health epidemiology (Shelly McFarlane) via completion of a PhD. Additionally faculty and students are expected to benefit from INCLEN collaborations in Latin America, Canada and the USA. These efforts will no doubt accelerate our publication rate and quality which are the important indicators that can be used to assess the work of the Unit.

The University of the West Indies (UWI) has declared its commitment to strengthen and promote research as part of its strategic plan and the establishment of UWI institutions like the Tropical Medicine Research Institute (TMRI) is evidence of its commitment. The ERU within the TMRI with its focus on the CNCD research and its commitment to training of skilled health researchers has an important role to play in this imperative.

## Epidemiology Research Unit

### PUBLICATIONS

#### Peer reviewed

*WIMJ* = *West Indian Medical Journal*

- \* Bennett NR, **Boyne MS**, Cooper RS, Royal-Thomas TY, Bennett FI, Luke A, Wilks RJ, Forrester TE. Impact of adiponectin and ghrelin on incident glucose intolerance and on weight change. *Clin Endocrinol* (Oxf). 2009 Mar;70(3):408-14. Epub 2008 Jul 7.
- \* Hunte S, Tulloch-Reid MK. Weight Loss of Black, White, and Hispanic Men and Women in the Diabetes Prevention Program. *Clinical Trials Reports*, 2009 (3) 157-8.
- \* Sumner AE, Luercio MF, Frempong BA, Ricks M, Sen S, Kushner H, Tulloch-Reid MK. Validity of the reduced-sample insulin modified frequently-sampled intravenous glucose tolerance test using the nonlinear regression approach. *Metabolism*. 2009 Feb; 58(2):220-5
- \* Francis DK, Van den Broeck J, Younger N, McFarlane S, Rudder K, Gordon-Strachan G, Grant A, Johnson A, Tulloch-Reid M, Wilks R. Fast-food and sweetened beverage consumption: association with overweight and high waist circumference in adolescents. *Public Health Nutr*. 2009 Aug 12(8):1106-14.

- \* Van den Broeck J, Willie D, Younger N. The World Health Organization child growth standards: expected implications for clinical and epidemiological Research. *Eur J Pediatr*. 2009 Feb; 168(2):247-51. Epub 2008 Aug 1.
- \* **Pottinger AM**, Trotman- Edwards H, Younger N. Detecting depression during pregnancy and associated lifestyle practices and concerns among women in a hospital-based obstetric clinic in Jamaica. *Gen Hosp Psychiatry* 2009 (May-June); 31(3): 254 -61. *Epub* 2009 Mar 27.
- \* **Ragin CC**, Watt A, Markovic N, Bunker CH, Edwards RP, Eckstein S, Fletcher H, Garwood D, Gollin SM, Jackson M, Patrick AL, Smikle M, Taioli E, Wheeler VW, Wilson JB, Younger N, McFarlane-Anderson N. Comparison of high-risk cervical HPV infections in Caribbean and US populations. *Infect Agent Cancer*, 2009, Feb 10;4 Suppl 1:S9
- \* **Watt A** , Garwood D, Jackson M, Younger N, Ragin C, Smikle M, Fletcher H, Mc-Farlane- Anderson. High Risk and Multiple Human Papilloma Virus (HPV) infection in Cancer-free Jamaican Women. *Infect Agent Cancer*, 2009 Feb 10;4 Suppl 1: S11
- \* Tulloch-Reid MK, Walker S. (2009) Quality of Life in Youth with Diabetes Mellitus. *WIMJ*. Jun; 58(3):250-6.
- \* Tulloch-Reid MK, Boyne MS, Smikle MP, Choo-Kang EG, Parkes RH, Wright-Pascoe RA, Barton EN, Wilks RJ, Williams DE. Cardiovascular Risk Factors in Caribbean Youth with Diabetes Mellitus. *WIMJ*. 2009; 58(3):219-26.
- \* **West WM**, Younger N, Brady-West D, Gilbert DT, Char G, Barton EN. Stroke subtypes on imaging in a Jamaican population: a hospital-based study. *WIMJ*. 2009 Jun; 58(3): 261-4.

- \* Cunningham-Myrie C. et al. Validation of a Questionnaire Measuring Patient Satisfaction with Services at the Sickle Cell Unit in Jamaica. *WTMJ*, 2009; 58(4): 331-40
- \* Abdulkadri AO, Cunningham-Myrie C and Forrester TE. Economic Burden of diabetes and hypertension in CARICOM States. *Social and Economic Studies*. 2009; 3 & 4: 175-197
- \* **Campbell NRC**, Legowski B, Legetic B, Wilks R, De Almeida Vasconcellos ABP. A new initiative to prevent cardiovascular disease in the Americas by reducing dietary salt (Editorial). *Prevention and Control* 2010; 4:185-187
- \* **Campbell NRC**, Legowski B, Legetic B, Wilks R, De Almeida Vasconcellos ABP. PAHO/WHO Regional Expert Group Policy Statement – Preventing cardiovascular disease in the Americas by reducing dietary salt intake population-wide. *CVD Prevention and Control*, 2010; 4:189-191
- \* Ferguson T, Tulloch-Reid M. Cardiovascular Disease and Its Risk Factors in Blacks Living in the Caribbean. *Curr Cardio Risk Rep* (2010) 4:76-82
- \* Kahwa EK, Younger NO, Wint YB, Waldron NK, Hewitt HH, Knight-Madden JM, Bailey KA, Edwards NC, Talabere LR, Lewis-Bell KN. The Jamaica asthma and allergies national prevalence survey: rationale and methods. *BMC Med Res Methodol*. 2010 Apr 3; 10(1):29.
- \* **Walker SP**, Chang SM, Younger N, Grantham-McGregor SM. The effect of psychosocial stimulation on cognition and behaviour at 6 years in a cohort of term, low-birthweight Jamaican children. *Dev Med Child Neurol*. 2010 Feb 24.
- \* **Delgoda R**, Younger N, Barrett C, Braithwaite J, Davis D. The prevalence of herbs use in conjunction with conventional medicines in Jamaica. *Complement Ther Med*. 2010 Feb;18(1):13-20.

## **Programmes based in the Chronic Disease Research Centre**

The CDRC's Mission is to develop a world-class research centre focused on the surveillance, pathogenesis and prevention of chronic non-communicable diseases, with the capacity to influence health policy and practice in Barbados and the wider Caribbean.

### *Aims*

- To establish robust systems for monitoring the burden of chronic non-communicable diseases.
- To develop evidence-based strategies for reducing the burden of these diseases.
- To estimate the economic and social costs associated with these diseases in order to guide cost-effective healthcare interventions.
- To evaluate the contribution of molecular mechanisms to disease aetiology
- To build capacity in healthcare research:
  - a. To utilise the skill sets of the CDRC in order to create a robust and secure research data management environment for use across the university and by external collaborators.
  - b. To provide postgraduate research training.
  - c. To strengthen and extend diagnostic laboratory capacity nationally and in the Eastern Caribbean.
- To collaborate intra-murally, with governments, non-governmental organisations, regional and international organisations in addressing the chronic disease epidemic.

## **Chronic Disease Research Centre (CDRC)**

### **PUBLICATIONS**

- \* Hambleton IR, Jonnalagadda R, Davis CR, Fraser HS, Chaturvedi N, Hennis AJ. All-cause mortality after diabetes-related amputation in Barbados: a prospective

case-control study. *Diabetes Care*, 2009 Feb;32(2):306-7. Epub 2008 Nov 4

- \* Smeeton NC, Corbin DO, Hennis AJ, Hambleton IR, Fraser HS, Wolfe CD, Heuschmann PU. A comparison of acute and long-term management of stroke patients in Barbados and South London. *Cerebrovasc Dis*. 2009; 27(4):328-35.
- \* Marshall ML, Bucks RS, Hogan AM, Hambleton IR, Deane C, Goss D, Height S, Dick M, Kirkham F, **Rees D**. Auto-adjusting positive airways pressure in children with sickle cell anaemia: results of a phase I randomized controlled trial. *Haematologica*. 2009 Jul; 94(7): 1006-10.
- \* Simms-Stewart D, Thame M, Heman-Keens A, Hambleton IR, **Serjeant GR**. Retained placenta – a complication of pregnancy in homozygous sickle cell disease. *Obstet Gynecol*. 2009 Oct; 114(4):825-8
- \* **Jones JK**, Gill L, John M, Goddard M, Hambleton IR. Outcome analysis of surgery for Blount disease. *J Pediatr Orthop*. 2009 Oct-Nov; 29(7):730-5.
- \* Watson-Jones DI, Baisley K, Rusizoka M, Tanton C, Mugeye K, Weiss HA, Changalucha J, Clayton T, Hambleton IR, Ross D, **Hayes R**. Measurement and predictors of adherence in a trial of HSV suppressive therapy in Tanzania. *Contemp Clin Trials*. 2009 Aug 07.
- \* **McKenzie C**, Hanchard N, Harding R, Hambleton I, Modell B. Rate of change of sickle allele frequency may be influenced by total fertility rate: a sesquicentenary reflection on human micro-evolution. *Br J Haematol*. 2009 Aug 02.
- \* Boyle, J.J., Harrington, H.A., Elderfield, K., Stark, J., Landis, R.C., **Haskard, D.O.** Coronary intraplaque hemorrhage evokes a novel atheroprotective macrophage phenotype. *Am. J. Pathol*. 194 (2009), 1097-1108.

- \* Landis, R.C. Redefining the systemic inflammatory response *Sem Cardiothorac Vasc Anesth* 13 (2009), 87-94.
- \* Brown, J.E., Toler, A.W.J., Kramer, R.E., Landis, R.C. "The anti-inflammatory effect of Aprotinin: A meta-analysis. *J Extra Corpor Technol* 41 (2009), 79-86.
- \* Desai, P.H., Kurian, D., Thirumavalavan, N., Desai, S.P., Ziu, P., Grant, M., White, C., Landis, R.C., and **Poston, R.S.** A randomized clinical trial investigating the relationship between aprotinin and hypercoagulability in off-pump coronary surgery. *Anesth Analg.* 109 (2009), 1387-1394
- \* **Jiao X**, Yang Z, Yang X, Chen Y, Tong Z, Zhao C, Zeng J, Chen H, Gibbs D, Sun X, Li B, Wakins WS, Meyer C, Wang X, Kasuga D, Bedell M, Pearson E, Weinreb RN, Leske MC, Hennis A, DeWan A, Nemesure B, Jorde LB, Hoh J, Hejtmancik JF, Zhang K. Common variants on chromosome 2 and risk of primary open-angle glaucoma in the Afro-Caribbean population of Barbados. *Proc Natl Acad Sci, U S A.* 2009 Oct 6; 106(40):17105-10.
- \* Rose AMC, Gerstl S, Boisier P, El-Hadj M, Sidikou F, Djibo S, Caugant D, Guerin PJ, Chanteau S. Field evaluation of 2 rapid diagnostic tests for *Neisseria meningitidis* serogroup A during the 2006 outbreak in Niger. *PLoS One* 2009; 4(10): e7326.
- \* Rose AMC, Mueller J, Gerstl S, Lafourcade-Njanpop B, Page A-L, Nicolas P, Ouédraogo Traoré R, Caugant DA, Guerin PJ. Which test to use for epidemic meningococcal meningitis strain identification in the meningitis belt? Evaluation of CSF diagnostic tests during an urban *Neisseria meningitidis* serogroup A outbreak in Burkina Faso, 2007. *PLoS One* 11 Jun 2010
- \* Landis, R.C., Evans, B.J., Chaturvedi, N., Haskard, D.O. Persistence of Tumour Necrosis Factor (TNF) alpha in diabetic wounds (Research Letter) *Diabetologia* 53 (2010), 1537-1538.

- \* Phillippidis, P., Athanasiou, T., Nadra, I., Ashrafian, H., Haskard, D.O., Landis, R.C., Taylor, K.M. Anti-inflammatory haemoglobin scavenging monocytes are induced following coronary artery bypass surgery. *Eur J Cardiothorac Surg* 37 (2010), 1360-1366.

## **PUBLIC SERVICE**

### **Asha Badaloo**

- Member, of team reviewing recommended daily allowances of energy and nutrients, Caribbean Food and Nutrition Institute.
- Reviewer, Journals (*West Indian Medical Journal, Pediatric Research, Public Health Nutrition, Case reports in Medicine*)

### **Michael Boyne**

- Member, Medical Association of Jamaica Ethics Committee
- Founding member and organizer, Annual Scientific Meeting, Caribbean Endocrine Society
- Honorary Treasurer, Association of Consultant Physicians of Jamaica
- Member, Board of Jamaica Osteoporosis Society
- Reviewer for the following medical journals: *Diabetes Care, Diabetic Medicine, West Indian Medical Journal, Journal of National Medical Association, Journal of Human Hypertension, Postgraduate Doctor*

### **Susan Chang-Lopez:**

- Member, Research Committee of the Early Childhood Commission.

### **Cunningham-Myrie C**

- Editor, TMRI's, biannual newsletter
- Peer-reviewer, *West Indian Medical Journal*

- Member CARICOM Health & Development Sub-Committee on Chronic Non- Communicable Disease
- Member, Jamaica Musical Theatre Company & University Singers Alumni

### **Ferguson T:**

- Honorary Consultant, Department of Medicine, University Hospital of the West Indies
- Examiner, Caribbean Association of Medical Councils Licensing Examinations
- Reviewer, *West Indian Medical Journal*, *Diabetes Research and Clinical Practice*

### **Terrence Forrester**

- Adviser to regional and international institutions in the areas of Nutrition and Cardiovascular Diseases.
- Scientific Secretary, Caribbean Health Research Council, a regional body reporting to the Heads of Government and providing advice of matters of health research for the Caribbean.
- Advisor to the Pan American Health Organization
- Head a University of the West Indies think tank to coordinate necessary academic work to provide policy and programme ready advice on a major crisis
- Commissioner, National Commission on Science and Technology
- Member National Advisory Committee on Health
- Director, Arts Foundation of Jamaica

### **Francis DK:**

- Board Member, Jamaica Island Nutrition Network
- Executive member, Jamaica Association of Professionals in Nutrition and Dietetics

- Systematic Reviewer, Cochrane Effective Practice for Organization of Care Group and Cochrane Musculoskeletal Group
- Member, Cochrane Equity Methods Group
- Peer reviewer, *West Indian Medical Journal*, Cochrane Developmental Psychosocial and Learning Problems Group

### **Ian Hambleton**

- Reviewer, *British Medical Journal*, *Journal of Epidemiology and Community Health*, *Pan-American Journal of Public Health*, *Diabetes Care, Prevention and Control*, *West Indian Medical Journal*.
- Statistical expert, The Barbados National Ethics
- Caribbean representative, Data management and statistical advisor. PAHO / WHO committee on development of Human Resources for Health (HRH) resources in the Caribbean.

### **McFarlane S**

- Coordinator, ERU Annual Research Skills Workshop
- Distinguished Secretary and Director, Kiwanis Club of Constant Spring
- President Elect, Kiwanis Club of East Charlton
- Director, University Diabetes Outreach Project and Conference Organizing Committee
- Member, Caribbean Nephrology and Hypertension Conference Organizing Committee

### **Christine Powell**

- Member, Child Nutrition Committee of the Early Childhood Commission.
- Ministry of Health, Infant and Young Child feeding Committee
- Planning Institute of Jamaica, Social Welfare an Vulnerable Groups Task Force

### **Tulloch-Reid MK**

- Honorary Consultant, Endocrinology, The University Hospital of the West Indies
- Honorary Secretary and Treasurer, Conference Organizer – The Caribbean Endocrine Society
- International Committee Member, Minority Health Affairs Committee Member, American Association of Clinical Endocrinologists (AACE)
- Medical Director , Diabetes Educators of the Caribbean
- Examiner, Caribbean Certified Diabetes Educator Examination
- Reviewer, *American Journal of Epidemiology*, *Diabetologia* , *Medical Science Monitor*, *West Indian Medical Journal*, *Diabetes Care*, *British Medical Journal*

### **Susan Walker**

- Scientific Secretary, Caribbean Health Research Council
- Member, Advisory Committee on Early Childhood Development in Latin America and the Caribbean, Inter-American Development Bank
- Member, Essential National Health Research Committee, Ministry of Health, Jamaica
- Member, National Early Childhood Development Policy Steering Committee, Early Childhood Commission, Jamaica
- Steering Committee, Global Child Development Group
- Associate Editor, Public Health Nutrition.

### **Carolyn Taylor-Bryan**

- Member, Pediatric Association of Jamaica education committee Clinical services

### **Wilks R**

- Member, WHO/PAHO Salt Experts Sub-group on Dietary salt Surveillance

- Peer-Reviewer, *BMC Public Health*; *European Journal of Public Health*
- Member, St. Josephs Hospital Transformation Committee
- Member, Board of Directors, The Heart Foundation of Jamaica

## **Younger N**

- Director , Education Department , Andrews Memorial Seventh Day Adventist Church
- Member of Board of Elders, Andrews Memorial Seventh Day Adventist Church
- Co-Editor, “Counted for Righteousness” Newsletter published by the Christian Statisticians” Informal Discussion Group, American Statistical Association