

ABSTRACT.

Chapter I outlines the work done in this project and explains the choice of Strombus gigas as suitable research material in attempting to identify feeding-inducers in fish.

A review of the behaviour and properties of some common feeding-inducers is given in Chapter 2.

Discussion of the extraction and isolation of the active factor and testing procedures are given in Chapter 3.

Chapter 4 describes the elucidation of the structure, and synthesis of the Magnesium salt from which Strombine, the active substance, was derived.

Chapter 5 discusses the strength of activity of Strombine, and compares this feeding-inducer with those already reported. It discusses characteristics of the Magnesium compound and the presence of inorganic ions in Strombus gigas,

Experimental details of the project are given in Chapter 6.