

Preface

From 1981 to 1986, the Kagoshima University Research Center for the South Pacific had superintended five interdisciplinary research projects entitled "Scientific Survey of the South Pacific" in collaboration with researchers from Fiji, the Solomon Islands, Papua New Guinea (PNG) and the Micronesian countries.

In 1989, after a two-year intermission, the Research Center undertook a scientific survey named "Man and the Environment in PNG". The survey was the second expedition to PNG and is scheduled to be carried on for several years. As in the previous study of 1983, the research activity was carried out as a joint project with the University of Papua New Guinea (UPNG), the Papua New Guinea University of Technology (UNITECH) and Japanese scientists.

The Japanese party was composed of 21 scientists from various disciplines, one accountant and three graduate students. The research party was organized into five teams according to their respective fields of study. The research subjects of the teams were as follows:

- 1) Ecological and regional geography of principal catchment basins
- 2) Development of aquacultural resources in the coastal and coral reef regions of Papua New Guinea
- 3) Isolation of human T-lymphotropic virus type-1 and its seroepidemiological studies
- 4) Traditional social systems and their transformation
- 5) Oceanic structure and its fluctuations in the tropical Pacific

In the 1989 academic year, the training ship Keiten-maru (860 tons) of the Faculty of Fisheries, Kagoshima University was employed as a research vessel for the first time. The Keiten-maru left Kagoshima on November 10, 1989 and returned on December 20. She carried out oceanographical surveys on her cruising course in the open sea.

This publication is the immediate results of the field surveys obtained on this expedition.

I sincerely thank Prof. John LYNCH (Vice-Chancellor) and the staff at UPNG, Mr. Moseley MORAMORO (Vice-Chancellor) and the staff at UNITECH, and to the officials of the Government of Papua New Guinea. I am also very grateful to the Ministry of Education, Science and Culture of Japan and to Mr. Yasuo NOGUCHI, Japanese Ambassador to PNG and to the Japanese Embassy staff in Port Moresby.

Furthermore, our deepest gratitude goes to Prof. Akihiro IGATA, President of Kagoshima University and the administrative staff for their understanding and constant support to us.

Professor Tooru YONEMORI
 Leader of the 1989 Survey Party
 to Papua New Guinea

April 1990