

## FOREWORD

Since its establishment in 1981, the Kagoshima University Research Center for the South Pacific had conducted interdisciplinary projects, entitled "Scientific Survey of the South Pacific". The research project had always been joint research activities between the Kagoshima University Research Center for the South Pacific and research organizations in countries visited for study and financially supported by the Special Research Grant of the Ministry of Education, Science and Culture, Japan.

In 1989, a new stage of the project started for three years focusing on Papua New Guinea (PNG), entitled "Man and Environment in Papua New Guinea". The academic fields concerned are ecological, sociological and the bioproductive features of the natural environment, community health, and the people in the country. In the 1990 academic year, the expedition consisted of 19 scientists from various disciplines and five Kagoshima graduate students. All of the researchers were grouped into five survey teams according to their fields of specialization.

The research subjects of the respective teams are as follows:

- 1) Development of agricultural resources in some regions.
- 2) Development of aquacultural resources in the coastal zone.
- 3) Seroepidemiological studies of human T-lymphotropic virus type- I , and blood pressure level.
- 4) Traditional social systems and their transformation.
- 5) Oceanic structures and their fluctuation in the tropical Pacific.

Throughout the expedition in PNG, our cooperative survey was carried out with great success.

I sincerely thank Professor John D. Lynch, Vice-Chancellor, the University of Papua New Guinea ; Mr. Moseley Moramoro, Vice-Chancellor, the Papua New Guinea University of Technology ; Professor Lance Hill, Faculty Dean of Sciences, UPNG ; Dr. Jacob L. Simet, Director, Institute of PNG Studies ; Mr. Anthony Bego, Chairman, Morobe Provincial Research Committee ; Mr. Yasuo Noguchi, Japanese Ambassador to Papua New Guinea ; Sir Joseph K. Nombri, Ambassador, Embassy of PNG to Tokyo ; Mr. Christopher Wariambu, First Secretary, Embassy of PNG to Tokyo ; and many other cooperative researchers who joined our project in PNG.

I am heartly grateful to Mr. Masao Nakayama, Ambassador of the Federated States of Micronesia (FSM) to Tokyo, for helping us obtain the research permit for oceanographic survey within the territorial water of FSM and for his generous support for our scheme.

I am also grateful to the Japanese Ministry of Education, Science and Culture and I wish to express our deepest gratitued to Dr. Akihiro Igata, President of Kagoshima University ; the staff of Faculty of Fisheries and the administrative staff of Kagoshima University who helped us in fullfilling the survey.



Professor Shin'ichi TERASHI  
 Director,  
 The Kagoshima University Research Center  
 for the South Pacific

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It is a pleasure to have been asked to write a Foreword for this volume of research papers.

The University of Papua New Guinea is very happy to be closely associated with Kagoshima University, especially in matters of cooperative research, and this volume is a tangible monument to that cooperation. We hope also that this is just one of many similar publications which will ensue as our cooperative activities continue and expand over the years. We are also mindful of the fact that this cooperation represents, the microcosm, the expansion of cordial relations between Japan and Papua New Guinea.

John D. LYNCH  
Vice Chancellor  
The University of  
Papua New Guinea

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Co-operation between the two Universities in Papua New Guinea and the Kagoshima University Research Center for the South Pacific was further strengthened when, for the second time, that fine research and training vessel, the Keiten Maru sailed into both Port Moresby and Lae to continue with a number of joint research activities on our shores, concerned with and appertaining to the general theme of "Man and the Environment." As we continue this collaboration, scientists in our three Universities continue to benefit and the ties between Japan and Papua New Guinea are continually being strengthened.

I pay tribute to the former director of the Center Professor Akio Inoue and the current director Professor Shin'ichi Terashi for their energy, hard work and perserverence in ensuring that the project continues to gain strength and relevance to our region.

Finally, we look forward to the final visit of the Keiten Maru in November next year, when this particular project comes to an end. Obviously, we will wish to see a continuation of these activities and it is my hope that a further project can be designed to enable a continuous flow of collaboration between academics in both Japan and Papua New Guinea.



Moseley MORAMORO, Obe  
Vice Chancellor,  
The Papua New Guinea University  
of Technology