

OUTLINE OF THE SURVEY

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Team I

It is important to understand the general situation of agriculture in the transforming period from traditional to modern farming. In collaboration with PNG scientists four Japanese agronomists undertook the comprehensive survey at some villages, urban settlements, and agricultural research stations in Port Moresby, Lae and their surrounding areas. The practical survey was carried out on 1) the agricultural practices of food, fruit and ornamental crop productions, 2) the distributions of genetic resources of useful plants, and 3) the possible improvement of agricultural productivity and rural life.

Team II

The survey was mainly carried out at Motupore Island Research Department of the University of Papua New Guinea and off the southeastern coast of Port Moresby. Six scientists concentrated on understanding the environmental background of the habitat of *Nautilus*. They worked on 1) oceanographic and geographical survey including the collection of bottom sediments and the elucidation of vertical distribution patterns of water temperature and salinity by CTD and XBT, 2) underwater still camera work, 3) trapping of *Nautilus* and its associated fauna and 4) scrutinized morphological, physiological and developmental studies of captured *Nautilus*.

Other two scientists engaged in the evaluation of coastal environments measuring inorganic nutrients in water and in the search for new bioactive compounds catching and analysing several marine animals and plants.

Team III

Seroepidemiological study was carried out for anti-Adult T-cell Leukemia/lymphoma associated antigen Antibodies (ATLA) of the samples collected at PNG Red Cross Blood Transfusion Service and PNG Medical Pathology Services in Port Moresby. The same work was carried out at ANGAU Memorial Hospital in Lae.

Blood pressure, weight and skin fold thickness were also measured on inhabitants of two different areas. Significant differences were recognized both in weight and in skin thickness between two sampled places regardless of sex.

Team IV

As cash earning economy is introduced, the land ownership gradually changes from the collective to the private. Land tenure systems in the transforming traditional society of PNG were investigated in relation with the development of modern industry.

Team V

On the way to PNG some oceanographic studies were carried out at ten sampling stations in the open sea. The vertical and horizontal distributions of particulate organic carbon and chlorophyll contents were elucidated. The water temperature, salinity and dissolved oxygen were also measured by CTD and XBT.