

## Proceedings of the First Symposium on the Antarctic Environmental Sciences, September 27, 1976

### Foreword

The expanded and cooperative project of geochemistry, biology and medical sciences was assigned to the researches for conservation of Antarctic environment in the vicinity of Syowa Station from 1973-74 to 1975-76 summer season. At the beginning of 1974 the wet-laboratory, named "environmental sciences laboratory" was constructed to be able to perform the ordinary chemical and biological laboratory works.

To synthesize the data obtained during this period together with those accumulated previously, a symposium was organized by National Institute of Polar Research, Japan on the 27th September 1976.

The papers presented to the symposium are collected in this issue of "Nankyoku Shiryo (Antarctic Record)". They are concerned with (a) geochemical studies on the natural environment of Antarctica, in particular on the pollutant in the air, water and soil in the district of Syowa Station, (b) biological studies of the moss and the algal communities in the ice-free areas along the Sôya Coast and (c) medical studies on the pollutant ingested by the personnel during the winter period and studies of micro-organisms in the human and the natural environment around the Syowa Station area.

This project has been contracted and supplementary works are being carried out including continuous measurement of CO<sub>2</sub> and NO<sub>x</sub>. Future programs are under consideration by the Committee of Specialists of National Institute of Polar Research.

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