

## Abstracts of the papers printed or to be printed

### BIOLOGICAL INVESTIGATION DURING ANTARCTIC EXPEDITION VOYAGE AND AT EAST AND WEST ONGUL ISLANDS IN ANTARCTICA\*

Tatsuro MATSUDA\*\*

#### 南極観測航海及び昭和基地における生物\*

松田 達郎\*\*

(1) The quantitative collection of the marine plankton in the surface water with the pumping method was carried out during the Japanese Antarctic Research Expedition voyage. The quantities of the plankton were most abundant in the sea between the south latitude 45 degree and 60 degree.

(2) The pollen grains in the air were collected every day during the voyage. It is interested that the pollen grains were collected in Antarctic Region.

(3) Observation of the flora were made in

East and West Ongul Island and micro fauna in the water of these wet plant surface are studied.

(4) Plankton ice is formed in the sea when the sea water freezes. Ecological observation on the plankton ice were made in the Antarctic sea.

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\* Will be printed in the Antarctic Record.

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### THE LIFE OF THE ANTARCTIC OCEAN\*

#### The Plankton at the Offing of Syowa Base in the Antarctic Ocean

Jirō SENŌ\*\*

#### 昭和基地沖における浮遊生物\*

妹尾 次郎\*\*

(1) The plankton at the offing of Syowa Base in the Antarctic was collected from January 9 to February 19, 1957, in the range of waters from station 7 (65°49' S., 45°36' E.) to station 44 (68°12' S., 38°25.5' E.).

(2) Oceanographical data observed by Umi-

taka-maru and concerned with those stations from 7 to 44 are shown in Table 1.

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