Official Announcement

We have been planning the publication of official announcement news of the IIOE Data Center of Japan regarding all information, official news, various governmental and non-governmental activities concerning the Japanese participation for the International Indian Ocean Expedition (IIOE).

Fortunately, publication of such newsletter was approved at the NCOR meeting held on March 20, 1962. Along the line of this decision, we publish a newsletter called "IIOE Newsletter of Japan". This is to be published by the IIOE Data Center of Japan. The publication is being supported by the Science Council of Japan.

Editor-in-Chief of the Newsletter is Dr. Kazuhiko Terada, Chairman of the Data Working Group, Indian Ocean Expedition Standing Committee, Science Council of Japan. Secretary is Dr. Masao Hanzawa, Member of the Data Working Group, IIOE Standing Committee, Science Council of Japan. Office of the Newsletter is situated within the Marine Division, Japan Meteorological Agency, Ote-machi, Chiyoda-ku, Tokyo, Japan.

We will compile all available news concerning the IIOE and will publish them on this Newsletter. We will appreciate your help in making this interesting and informative publication. Taking this opportunity, we would like to inform you that various activities of Japan for IIOE shall be sent to you through this Newsletter. We would be very happy if you could kindly inform us various information concerning directly and/or indirectly connected to IIOE through mutual exchange channel.

Please address all communications to the following:

Dr. Kazuhiko Terada, Editor
IIOE Newsletter of Japan
IIOE Data Center
Japan Meteorological Agency
Tokyo
Japan

Published by
IIOE DATA CENTER OF JAPAN
Marine Division, Japan Meteorological Agency
Tokyo, Japan
Brief historical sketch of Japanese participation towards IIOE

Along the line of recommendation of SCOR, the National Committee on Oceanic Research (NCOR) of the Science Council of Japan, has been conducting our national plan for the coming International Indian Ocean Expedition. Our former plan was to join the IIOE in the period of 1962-'63 by dispatching five research vessels for this project.

When the NCOR planned to participate the IIOE, five working groups were set up within a standing committee for IIOE which was also established within the NCOR. Organization of this committee is shown in the Table 1.

Unfortunately, the necessary budget for the participation of the said predetermined plan was completely dropped off from our national budget for the 1962 fiscal year.

However, thanks to the eager endeavor of the related scientists and government officials, some amount of money is recently approved for Japanese participation for IIOE in 1962 fiscal year.

Table 1. Constitutions of the NCOR Standing Committee for IIOE

<table>
<thead>
<tr>
<th>Name of Committee</th>
<th>Member</th>
<th>Sub-division</th>
<th>Chief</th>
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<tbody>
<tr>
<td>1. Bathymetry, Geology, Geography, and Geophysics</td>
<td>T. Sakamoto</td>
<td>Bathymetry</td>
<td>Tsukamoto</td>
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<td>H. Niino</td>
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<td>C. Tsuboi</td>
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<td>T. Watanabe</td>
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<td>R. Takahashi</td>
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<td>2. Physical Oceanography and Meteorology</td>
<td>Y. Fujioka</td>
<td>Physical Oceanography</td>
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<td>K. Hidaka</td>
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<td>S. Hayami</td>
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<td>3. Chemical Oceanography</td>
<td>K. Sugawara</td>
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<td>Y. Miyake</td>
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<td>K. Mori</td>
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<td>4. Marine Biology</td>
<td>S. Motoda</td>
<td>Productivity</td>
<td>Sugawara</td>
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<td>Y. Matsue</td>
<td>Plankton</td>
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<td>H. Aikawa*</td>
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<td>5. Data</td>
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IIIOE Data Working Group

Organization of the IIIOE Data Working Group, IIIOE Standing Committee, Science Council of Japan is as follows:

**Member.**
- Dr. K. Terada (Japan Meteorological Agency)
- Dr. J. Masuzawa (Japan Meteorological Agency)
- Dr. M. Hanzawa (Japan Meteorological Agency)
- Dr. Y. Saito (Tokyo University of Fisheries)
- Mr. S. Yoshida (Hydrographic Office)
- Dr. T. Takahashi (Kagoshima University)

**Function.**

a) Acquisition and dissemination of the observational data of the International Indian Ocean Expedition.
b) Dissemination of the present and past Japanese data of the Indian Ocean for foreign countries.
c) Design of various forms and blanks for the usage of Japanese Indian Ocean Expeditions.
e) Compilation of a directory of Japanese governmental and non-governmental agencies and institutions concerning the Indian Ocean Expeditions.
f) Publication of "IIIOE Newsletter of Japan".
g) Compilation of the official records of historical review of the Japanese Indian Ocean Expedition.

Cruise plan for 1962 and 1963

Japanese scientists have had the willingness of participating the IIIOE since the early stage of this international project. However, because of financial difficulties, the implementation of the participation after the predetermined scope became impossible.

After frequent and enthusiastic negotiation between scientists and governmental officials, once abandoned project was reconsidered, and a new horizon for the Japanese participation to IIIOE has been seen recently.

Recently the Japanese Government has officially determined the Japanese participation for IIIOE after the following general scope.

1962-1963 (Nearly 3-month cruise inclusive the training of fishery students)

- **Umitaka Maru** (Tokyo University of Fisheries)
  - $78^\circ$E $5^\circ$N - $20^\circ$S
  - 20 Stations

- **Koyo Maru** (Shimonoseki Fishery College, Fishery Agency)
  - $96^\circ$E $5^\circ$N - $20^\circ$S
  - 27 Stations

1963-1964 (Nearly 3-month cruise inclusive the training of fishery students)

- **Umitaka Maru**
  - $102^\circ$E $5^\circ$S - $25^\circ$S
  - 22 stations
  (Southern part of the Sunda Trench)

- 3 -
Koyo Maru

86°E 5°S - 20°S
94°E 5°N - 20°S 38 Stations

Kagoshima Maru (Kagoshima University)

78°E 5°N - 20°S
86°E 5°N - 5°S 25 Stations

On board these ships, the observation of general items are scheduled to include rather perfect biological observations. On board the Umitaka Maru, geophysical observations for the period of 1963-1964, on board the Kagoshima Maru and Koyo Maru, the special observations on physical oceanography, and on board Koyo Maru, upper air observations are scheduled for both periods.

IIOE Pennant

Recently the IIOE Pennant was officially approved. Specification of the Pennant is shown in the following figure.

![IIOE Pennant Diagram]

After the arrangement taken between UNESCO (Department of Oceanography) and the IIOE Data Center of Japan, Japanese manufacturer will accept order to make the pennant(s) from abroad. Details are as follows:

a) Manufacturer: Tanaka Senyohin K.K.
   1-13 Monzen Naka Cho
   Koto-ku
   Tokyo
   Japan

b) Price: Moderate Size..... 2950 Japanese Yen per one pennant
       Small Size........... 1980 Japanese Yen per one pennant

c) Shipping cost: 50 Japanese Yen per one via ship-mail
                900 Japanese Yen per one via air-mail

d) Size: Moderate..... 100cm X 220cm
       Small .......... 70cm X 154cm

e) Material: Nylon cloth
IMAGE Track Chart of the Japanese research ships for the period of 1962 - 1964.
f) Time needed for delivery: 45 days by air-mail
                                90 days by ship-mail

For further information, ask the manufacturer or IIOE Date Center of Japan.

Japanese IIOE ships, the Umitaka-maru and the Koyo-maru

Details of two Japanese ships who will participate the International Indian Ocean Expedition 1962-63 are as follows:

(Data source: Oceanographic Vessels of the World, Publication G-2 in the NODC General Series)

**UMITAKA MARU**


Affiliation: Ministry of Education

Navigation, Communication, and echo sounding equipment: Navigation - Radar, loran, gyrocompass, direction finder, auto pilot, course recorder, etc. Communication - Short wave 1kw and medium wave 500kw transmitters, super-heterodyne, short, medium and long wave receiver. Radiotelephone. Echosounders - Nippon Denki, Type 103, range 1,800m, 14.5KC, very accurate. Kaijo Denki deep sea type, range 11,000m, 9kw very accurate. Sankei Fishgraph, range 600m, 50KC, very accurate.

Hydrographic winches and equipment: Has 120HP trawl winch, two drums, one with 1,100m of 26mm, and the other with 8,500m of 11mm wire. One 15 HP hydrographic 2.2mm wire. Two cargo winches, one 20HP, one 40HP. One 50HP windlass.

**KOYO MARU**


Affiliation: Fisheries College, Shimonoseki, Yamaguchi-ken, Japan

Navigation, Communication, and echo sounding equipment: Navigation - Radar (MK II), loran and gyrocompass. Communication - CW equipment, 1kw, freq.: 4181, 6271.5, 8362, 1254.3, 1674.2, and 2224,0KC, and 4.23KC. One voice transmitter, 500W, frequencies: 1605, 2182, 2430, 2785 and 3950 KC. Echosounders - One Kaijo Denki DH 14KC, one V-2 200KC and a 50 KC portable sounder, maximum range 7,000m. Ship must reduce speed to 6kts. for sounding in deep waters.

Hydrographic winches and equipment: Has one trawl winch with 1,200m of 26mm wire. Three sounding winches with 5,000m of 4mm wire, 3,000m of 4mm wire, and 3,000m of 2mm wire.

Blank map of the Indian Ocean

Along the line of discussion among Drs. Humphrey, Sysev and Terada at the SCOR meeting of Monaco held in 1961, Dr. Sysev offered us a handy blank map of the Indian Ocean. This is a conventional map and is thought to be useful for mutual comparison of cruise plans etc. among the IIOE participating agencies.
Based upon this map, our Data Center made a blank map of the Indian Ocean for conventional usage on board.

Details of the map are as follows:

- **Size:** 67cm x 70cm
- **Color:** Light blue monotone
- **Projection:** Mercator
- **Scale:** 1:20,000,000 at 30°
- **Contour:** Metric, Coverage: 15°E - 150°E, 30°N - 68°S

This map(s) is obtainable at the IIOE Data Center of Japan for authorized institutions concerning IIOE with gratis.

**Mailing list of this Newsletter** (Foreign)

This Newsletter is to be forwarded to the following oceanographers and institutions abroad. The mailing list is based upon Mr. R.G. Snider's one date August 15, 1961. Those who wish to receive the Newsletter, please write to the IIOE Data Center of Japan.

* * * * *

Foreign Mailing List

- PRIMARY MAILING LIST -

**Note:** Numbers in margin indicate number of copies of data to be sent each.

1. **Mr. Robert G. Snider,**
   Coordinator, International Indian Ocean Expedition, 30 East 40th Street, New York 16, N.Y., U.S.A.

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   Secretary, Special Committee on Oceanic Research, 34, Neuer Wall, Hamburg 36, GERMANY

3. **The Convenor,**
   Australian National Committee for Oceanic Research, Box 21 Cronulla, Sydney, AUSTRALIA

2. **Dr. Po E**
   Director, Burmese Meteorological Department, New Secretariat Building, Rangoon, BURMA

2. **Dr. H. B. Hachey,**
   Secretary, Canadian Committee on Oceanography, Fisheries Research Board of Canada, Ottawa, Ontario, CANADA

2. **Mr. V. Basnayake,**
   Honorary General Secretary, The Ceylon Association for the Advancement of Science, University of Ceylon, Colombo 3, CEYLON

2. **Dr. Veichow C. Juan,**
   President, Chinese National Committee on Oceanic Research, c/o College of Sciences, National Taiwan University, 1 Section 4, Roosevelt Road, Taipei, TAIWAN (Formosa)

- 7 -
3- Prof. E. Steemann-Nielsen, Denmarks Farmaceutiske Højskole, Botanisk Afdeling, Universitetsparken 2, Copenhagen, DENMARK

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3- Chairman, National Committee for SCOR in Pakistan, Hydrographic Directorate, Naval Headquarters, Karachi, PAKISTAN

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3- CAPT Aomporn Penyapol, RTN Secretary to National Committee on Marine Sciences, Hydrographic Department, Royal Thai Navy, Bangkok, THAILAND

3- Mr. C. C. Hide, SCOR Representative, Council for Scientific and Industrial Research, P.O. Box 395, Pretoria, SOUTH AFRICA

3- Prof. L. A. Zenkevitch, Soviet National Committee on Oceanography, 1st Academichesky Proezd 30-a, Moscow 333-V, USSR

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3- Prof. Dr. Gunther Dietrich, Institut fur Meereskunde an der Universitat Kiel, Hohenbergstr 2, Kiel, GERMANY

3- Dr. D. N. Wadia, F.R.S., Chairman, Indian National Committee on Oceanic Research, c/o Department of Atomic Energy, South Block, Central Secretariat, New Delhi, INDIA
2- Dr. N. K. Panikkal,
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3- Dr. Cal. Wardiman,
Chairman, Indonesian National Committee for Ocean Research, Majelis Ilm: Pengetahuan Indonesia, Medan Merdeka Selatan II, Djakarta, INDONESIA

3- Mr. O. H. Oren,
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1- LCOL S.P. Peason,
Agricultural Research Secretary, Office of the East African High Commissio- sion, P.O. Box #30005, Nairobi, KENYA

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Institute for Scientific Research for Madagascar, P.O. Box 434, Tanaarive, the MALAGASY REPUBLIC

2- Dr. G. Bunwaree,
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1- Director,
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1- Director,
Scripps Institution of Oceanography, La Jolla, California, USA

3- National Academy of Sciences,
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1- D.N.F. Hall,
Director, East African Marine Fisheries Research Organization, P.O. Box 668, ZANZIBAR

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PUBLICATIONS

The following publications were issued by or with the assistance of the IIOE Data Center of Japan.