



Published for the WESTPAC Program Group
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WESTPAC NEWSLETTER

Editorial

Readers will be aware that the 13th meeting of the Assembly of IOC is due to be held in Paris in March this year. Dr. John Bunt will be attending to report on progress with WESTPAC III as Chairman of the Group and to stress its need for sustained and, indeed, enhanced support. A copy of the Provisional Agenda is included in this issue of the Newsletter along with the report of a meeting of Technical Coordinators for WESTPAC or their representatives held recently at the Australian Institute of Marine Science. That meeting was made possible with support from the Australian Government, whose interest and assistance is most appreciated, and was intended to provide advice to the Chairman to assist his participation in the Assembly discussions. Looking to the future, however, the meeting at the Institute reached the conclusion that a Westpac Symposium could be of great advantage in furthering programme objectives and that suggestion is presently being considered both with regard to the form the Symposium might take and how support might be engendered to make it a reality.

THE STATE OF THE TASK TEAMS

Corrections to Newsletter No. 3

Readers are asked to take note of several corrections relating to the Task Teams as follows:

1. Marine Pollution Research and Monitoring
Professor Cyril Burdon-Jones has been listed as Project Coordinator and, indeed, such an activity is his. However, he should have been identified as Task Team Chairman.
2. Ocean Dynamics and Climate (Nearshore Currents and Tides)
Drs S. Chang and H. Lee are, of course, nominees of the Republic of Korea, an oversight in typesetting for which we apologize.
3. Ocean Science and Living Resources (Continental Shelf Productivity)
Here again, our apologies for the fact that Dr Y. Kitano was not listed separately as the nominee of Japan.
4. Ocean Science and Non-Living Resources
Those who attended WESTPAC III will recall that it was agreed then that a Task Team in OSNLR for WESTPAC would be "inappropriate". Nonetheless, several names in our records seemed to indicate nominations to a Task Team and this was reflected in Newsletter No. 3. Dr Nasu as Technical Coordinator and the Chairman have this matter in hand taking into account the need to enlarge the Group of Experts. Dr Ruivo, the Secretary of IOC is being consulted. A straightforward solution is anticipated.

Further Nominations

Since Newsletter No. 3 was released, the following additional nominations have been made:

To the Marine Pollution Task Team -

Dr John Brodie of Fiji

To the Task Team on Ocean Dynamics in the Tropical Pacific -

Dr Roger Lukas of the USA

To the OSLR Task Team - Toxic and Anoxic Phenomena associated with algal blooms -

Dr Donald Anderson of the USA

To the OSLR Ocean Productivity Task Team -

Dr Richard Eppley of the USA

To the Task Team on Marine Pollution, Research and Monitoring -

Dr Yves Dandonneau of New Caledonia.

PROVISIONAL AGENDA FOR THE IOC ASSEMBLY

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of Unesco)

Thirteenth Session of the Assembly
Paris, 12-28 March 1985

PART I

1. OPENING
2. TWENTY-FIFTH ANNIVERSARY CELEBRATIONS
3. BRUUN MEMORIAL LECTURES

PART II

4. ADMINISTRATIVE ARRANGEMENTS
 - 4.1 ADOPTION OF THE AGENDA
 - 4.2 DESIGNATION OF THE RAPPORTEUR
 - 4.3 CONDUCT OF THE SESSION, TIMETABLE AND DOCUMENTATION
5. REPORT ON ACTIVITIES OF THE COMMISSION 1983-1984
 - 5.1 SECRETARY'S REPORT ON INTERSESSIONAL ACTIVITIES
 - 5.2 ADOPTION OF THE BIENNIAL REPORT FOR 1983-84
6. OCEAN SCIENCES
 - 6.1 OCEAN SCIENCE IN RELATION TO LIVING RESOURCES (OSLR)
 - 6.2 OCEAN SCIENCE IN RELATION TO NON-LIVING RESOURCES (OSNLR)
 - 6.3 OCEAN MAPPING AND GENERAL BATHYMETRIC CHART OF THE OCEANS (GEBCO)
 - 6.4 OCEAN DYNAMICS AND CLIMATE
 - 6.4.1 First Session of the Programme Group on Ocean Processes and Climate
 - 6.4.2 Joint SCOR-IOC Committee on Climate Changes and the Ocean
 - 6.5 MARINE POLLUTION RESEARCH AND MONITORING
 - 6.5.1 The Global Investigation of Pollution in the marine Environment (GIPME)
 - 6.5.2 Marine Pollution Monitoring System (MARPOLMON)

7. OCEAN SERVICES
 - 7.1 OCEAN OBSERVING SYSTEMS
 - 7.1.1 Integrated Global Ocean Services System (IGOSS)
 - 7.1.2 Global Sea-level Network
 - 7.1.3 Drifting Buoys
 - 7.2 INTERNATIONAL OCEANOGRAPHIC DATA EXCHANGE AND MARINE INFORMATION MANAGEMENT
 - 7.2.1 Marine Information Management
 - 7.3 INTERNATIONAL TSUNAMI WARNING SYSTEM IN THE PACIFIC
 8. TRAINING, EDUCATION AND MUTUAL ASSISTANCE IN THE MARINE SCIENCES (TEMA)
 - 8.1 FOURTH SESSION OF THE WORKING COMMITTEE FOR TEMA
 - 8.2 COMPREHENSIVE PLAN FOR A MAJOR PROGRAMME OF ASSISTANCE TO ENHANCE THE MARINE SCIENCE CAPABILITIES OF THE DEVELOPING COUNTRIES
 - 8.3 IMPROVED USE OF RESEARCH VESSELS
 - 8.4 IOC VOLUNTARY ASSISTANCE PROGRAMME (VAP)
 9. IMPLICATIONS FOR THE IOC OF DEVELOPMENTS IN INTERNATIONAL AFFAIRS
 - 9.1 THIRD SESSION OF THE AD HOC TASK TEAM ON THE IMPLICATIONS, TO THE COMMISSION, OF THE UN CONVENTION ON THE LAW OF THE SEA AND THE NEW OCEAN REGIME
 10. REGIONAL SUBSIDIARY BODIES
 - 10.1 FIRST SESSION OF THE IOC SUB-COMMISSION FOR THE CARIBBEAN AND ADJACENT REGIONS (IOCARIBE)
 - 10.2 PROGRAMME GROUP FOR THE SOUTHERN OCEANS (IOCSOC)
 - 10.3 PROGRAMME GROUP FOR THE WESTERN PACIFIC (WESTPAC)
 - 10.4 PROGRAMME GROUP FOR THE NORTH AND CENTRAL WESTERN INDIAN OCEAN (IOCINWIO)
 - 10.5 PROGRAMME GROUP FOR THE CENTRAL INDIAN OCEAN (IOCINDIO)
 - 10.6 PROGRAMME GROUP FOR THE CENTRAL EASTERN ATLANTIC (IOCEA)
 - 10.7 FOURTH SESSION OF THE JOINT IOC-WMO-CPPS WORKING GROUP ON THE INVESTIGATIONS OF EL NINO
 11. MEDIUM-TERM PLAN, PROGRAMME AND BUDGET
 - 11.1 IOC PROGRAMME AND BUDGET FOR 1986-87
 - 11.2 PROGRAMME AND BUDGET OF THE UNESCO DIVISION OF MARINE SCIENCES, 1986-87
 12. CO-OPERATION WITH OTHER ORGANIZATIONS OF THE UN SYSTEM AND OTHER BODIES
 - 12.1 TWENTY-THIRD SESSION OF THE INTER-SECRETARIAT COMMITTEE ON SCIENTIFIC PROGRAMMES RELATING TO OCEANOGRAPHY (ICSPRO)
 - 12.2 INTERNATIONAL COMMISSION FOR THE SCIENTIFIC EXPLORATION OF THE MEDITERRANEAN SEA (ICSEM)
 - 12.3 COMISION PERMANENTE PACIFICO SUR
 13. ELECTIONS
 - 13.1 ELECTION OF THE OFFICERS OF THE COMMISSION
 - 13.2 ELECTION OF THE MEMBERS OF THE EXECUTIVE COUNCIL
 14. DATES AND PLACES OF THE FOURTEENTH SESSION OF THE ASSEMBLY AND NINETEENTH SESSION OF THE EXECUTIVE COUNCIL
 15. ADOPTION OF THE SUMMARY REPORT
 16. CLOSURE
- MEETING OF WESTPAC TECHNICAL COORDINATORS
- The meeting was held over January 30 and 31 at the Australian Institute of Marine Science and was attended by:
- Dr J.S. Bunt, Chairman WESTPAC
 - Dr R. Heath, Technical Coordinator, Ocean Dynamics
 - Dr N. Nasu, Technical Coordinator, Marine Geology and Geophysics
 - Dr D. Tranter, Technical Coordinator, Ocean Science and Living Resources
 - Professor C. Burdon-Jones, Task Team Chairman, Marine Pollution
 - Cdr I Bofinger, Chairman, IGOSS Task Team
 - Dr D Falvey, WESTPAC/IOC Group of Experts in Geology and Geophysics
 - Mr R. Harriss, WESTPAC Liaison Officer, Department of Science, Government of Australia

Matters considered:

It was agreed that the Task Teams are generally well-represented although further nominations in some areas would be desirable. In particular, the meeting considered it essential for Marine Geology and Geophysics that its Group of Experts be established in full as soon as possible. This matter has been referred to the IOC Secretariat. With regard to activities for the remainder of the inter-seasonal period, clear support was expressed for the need to demonstrate concrete achievement now that Task Teams had been established. To that end, all present agreed that direct contact within and between Task Teams was essential and that such a purpose could best be achieved by a WESTPAC Symposium. This concept is presently being explored and further advice may be anticipated. Among other matters discussed, the importance of sustaining the flow of information relevant to WESTPAC was believed most important, particularly to ensure that all members of Task Teams are kept aware of progress and interests throughout the Programme Group. The Chairman will discuss this matter with the IOC Secretariat and has also written to all National Coordinators to remind them of this need and seeking their continued assistance in information exchange. Success in this area is, of course, a shared responsibility and all those concerned are urged to maintain good contact notably in interaction by correspondence with Technical Coordinators and Task Team Chairman.

The meeting of the Institute concluded with advice to the Chairman on his presentation to the IOC Assembly. Indeed, the text of that presentation has already been forwarded to Paris and will be reproduced in a subsequent issue of this Newsletter.

UPCOMING WESTPAC ACTIVITIES

**MEETING OF MARINE POLLUTION RESEARCH
AND MONITORING TASK TEAM**
17-19 APRIL 1985
JAMES COOK UNIVERSITY OF
NORTH QUEENSLAND

PROPOSED AGENDA

- (1) Assessment of pollution research and monitoring capabilities within the region
 - laboratories, equipment etc
 - personnel
- (2) Recent and ongoing research (especially into heavy metal pollution)
- (3) Training and/or opportunities available within member states

Participants presented country status reports for the above items

- (4) Review of relevant decisions of WESTPAC III
- (5) Review of recent research conducted by GIPME, GESAMP and UNEP
- (6) Scope for interaction between WESTPAC and other bodies
 - definition of responsibilities
- (7) Immediate research priorities
Long term objectives
- (8) Requirements for support.

**WESTPAC TRAINING WORKSHOP
TAXONOMY AND TECHNIQUES FOR RED
TIDES RESEARCH**

MARCH 18-23, 1985

SICHANG MARINE RESEARCH AND TRAINING
STATION, CHULALONGKORN UNIVERSITY,
PATAYA, THAILAND

PROGRAMME:

March 18

Opening Speech

9:00-10:00

Dr D. TRANTER (Australia) OSLR
Technical Coordinator, Convenor
Dr P. MENASVETA (Thailand) Vice-
Chairman of WESTPAC, Director of
Sichang Marine Research and
Training Station, Convenor
Dr T. OKAICHI (Japan) Convenor
Dr S. SUDARA (Thailand) Convenor

Session I
10:00-17:00

Taxonomy and Identification of Red
Tide Organisms
Dr F.J.R. TAYLOR (Canada)

March 19

Session I

9:00-17:00

Dr F.J.R. TAYLOR

March 20

Session II

9:00-10:30

Life Cycle of Dinoflagellates
Dr D. ANDERSON

Session III

11:00-17:00

Sampling and Identification of Cysts
Dr Y. FUKUYO

March 21

Session III

9:00-17:00

Survey Cruise for Sampling and
Oceanographical Observation

March 22

Session IV

9:00-17:00

Isolation Techniques of Red Tide
flagellates and cysts
Dr. F.J.R. TAYLOR, Dr F. FUKUYO,
Dr D. ANDERSON and Dr T. OKAICHI

March 23

Session IV

9:00-12:00

Continuing from March 22

Business Meeting
Chairmen Dr D. TRANTER, Dr T. OKAICHI and
13:30-15:30 Dr S. SUDARA

SECOND WORKSHOP ON WARM CORE RINGS

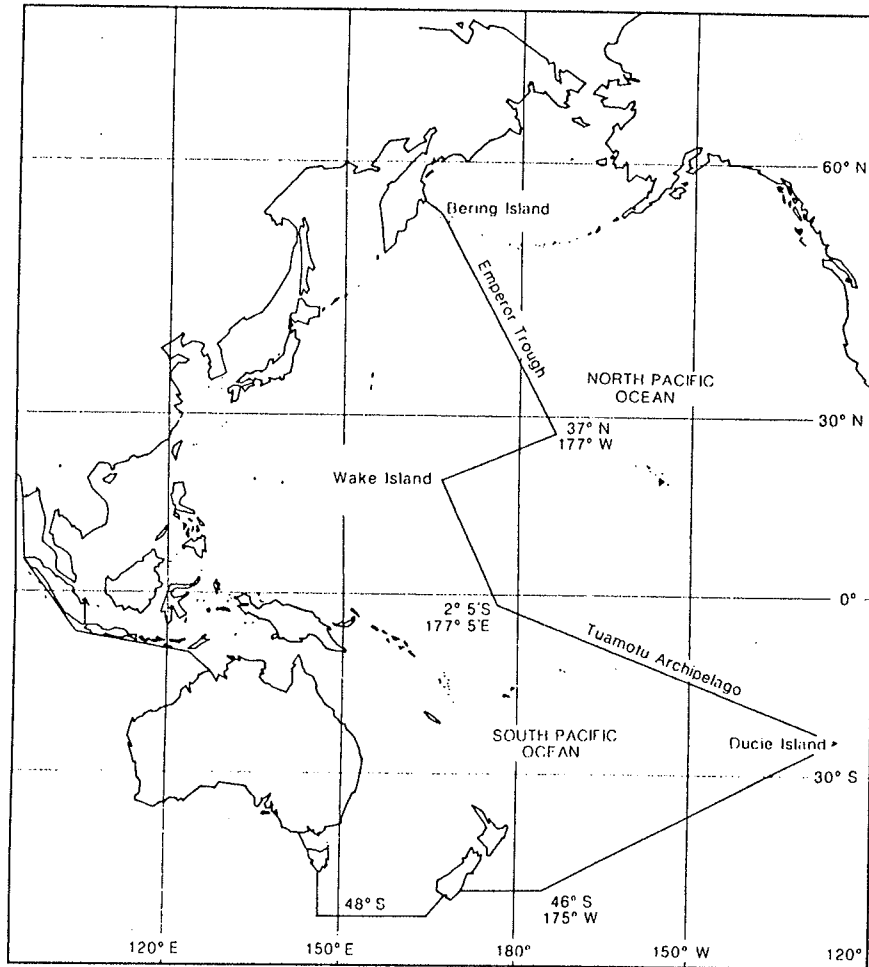
May 20-25, 1985
Ocean Research Institute
University of Tokyo

Members of the Planning and Organizing Committee

Prof Takahisa NEMOTO, ORI, Univ. of Tokyo, Tokyo
(Chairman and Convenor of the Workshop)
Dr Takashige SUGIMOTO, ORI, Univ. of Tokyo, Tokyo
(General Secretary)
Dr Peter H. WIEBE, WHOI, Woods Hole, MA
Dr Terrence M. JOYCE, WHOI, Woods Hole, MA
Dr David J. TRANTER, CSIRO, Cronulla, NSW
Trevor J. MCDUGALL, CSIRO, Hobart, Tasmania

Aims of the Workshop

The purpose of the Workshop is to conduct joint discussion and exchange of ideas among U.S., Japan and Australian scientists working on ring physics, chemistry and biology under the Cooperative Science Program. The Workshop will consist of oral and poster presentations of results, working group discussions, a summary session and presentation of a report. Main topics of the sessions are (1) Physical structure of warm core rings, (2) Characteristics of structure and mixing across ring boundaries, (3) Biological and biochemical structure of warm core rings, (4) Aspects of fisheries oceanography and climatology, (5) Models of eddy dynamics and transport of matter, (6) Sampling design, sampling techniques, and data processing strategies and (7) General discussions of future research, meetings and joint collaboration.



The WESTPAC region