



**Joint**

**Oceanographic**

**1976**

**Assembly**

**EDINBURGH SCOTLAND  
13 TO 24 SEPTEMBER 1976**

**SCOR—IAPSO—IABO—CMG  
ACMRR—ACOMR—ECOR  
THE ROYAL SOCIETY**

**SECOND CIRCULAR**

**JOA — 1976,  
c/o Royal Society of Edinburgh,  
22 George Street,  
Edinburgh EH2 2PQ,  
Scotland,  
United Kingdom.**

As stated in the preliminary announcement which was issued in August 1974, the next Joint Oceanographic Assembly will be held in Edinburgh, Scotland from 13 to 24 September 1976.

This second circular will receive wide distribution internationally and invites marine scientists throughout the world to indicate their interest in the congress by completing and returning the preliminary registration form (see inside back cover)

It is planned to issue a third circular in late 1975, but this will be sent only to those individuals who complete and return the preliminary registration form or otherwise notify their interest.

Please arrange for the enclosed poster to be displayed on your notice board or at some other institution so that the Assembly is brought to the notice of scientists who may be interested.

## SCIENTIFIC PROGRAMME

The scientific programme for the Assembly is being arranged by an international steering committee, under the Chairmanship of Professor W.S. Wooster (USA) and formed of representatives of:

The Scientific Committee on Oceanic Research (SCOR) of the International Council of Scientific Unions (ICSU)

International Association for the Physical Sciences of the Ocean (IAPSO) of the International Union of Geodesy and Geophysics of ICSU

International Association of Biological Oceanography (IABO) of the International Union of Biological Sciences of ICSU

Commission for Marine Geology (CMG) of the International Union of Geological Sciences of ICSU

Advisory Committee on Marine Resources Research (ACMRR) of FAO

Advisory Committee on Oceanic Meteorological Research (ACOMR) of WMO.

The Engineering Committee on Oceanic Resources (ECOR)

and The Royal Society of London

Relevant United Nations Agencies are supporting the Assembly and are collaborating with the organizing committee. These are:

United Nations Educational, Scientific and Cultural Organization (UNESCO)

Intergovernmental Oceanographic Commission (IOC)

Food and Agriculture Organization (FAO)

World Meteorological Organization (WMO)

The scientific programme will consist of general symposia of invited papers on selected topics of broad interdisciplinary interest, special symposia of invited papers on selected specialised subjects involving more than one of the marine scientific disciplines and Association Sessions organized by the specialised Associations, IAPSO, IABO and CMG. Each symposium will occupy one half day.

The programme of symposia will be as follows:

*General Symposia*

|    | <i>Convener</i>                     | <i>Title</i>                                 |
|----|-------------------------------------|--|
| G1 | Professor E.S.W. Simpson (S.Africa) | History of the oceans                        |
| G2 | Professor Dr G. Hempel (FRG)        | Ocean circulation and marine life            |
| G3 | Professor A.S. Monin (USSR)         | Natural variations in the marine environment |
| G4 | Dr A. Ayala-Castañares (Mexico)     | Man and the sea                              |
| G5 | Professor J.D. Isaacs (USA)         | New approaches in oceanography               |
| G6 | JOA Steering Committee              | Summary lectures                             |

*Special Symposia*

|    | <i>Convener</i>                     | <i>Title</i>                                  |
|----|-------------------------------------|---|
| S1 | Professor Dr Tj. H. van Andel (USA) | Paleo-oceanography                            |
| S2 | Dr Y. Horibe (Japan)                | Geochemistry and ocean mixing                 |
| S3 | To be selected                      | Regional studies of dynamics and productivity |
| S4 | Dr T. Wolff (Denmark)               | Depths of the ocean                           |
| S5 | Dr A.R. Longhurst (UK)              | Biological effects of ocean variability       |
| S6 | Professor H. Charnock (UK)          | Effect of the ocean on climate and weather    |

|     |                                  |                                    |
|-----|----------------------------------|------------------------------------|
| S7  | Dr G.S. Saetersdal (Norway)      | Oceanography and fisheries         |
| S8  | Ir G.A. Heyning Jr (Netherlands) | Ocean engineering                  |
| S9  | To be selected                   | Geoscience, minerals and petroleum |
| S10 | Professor H. Stommel (USA)       | Large scale physical experiments   |
| S11 | Dr T.R. Parsons (Canada)         | Controlled ecosystem experiments   |
| S12 | Mr J.E. Tyler (USA)              | Radiant energy & life in the sea   |

(S11 is cosponsored by the International Council for the Exploration of the Sea)

#### *Association Sessions*

In addition to the above symposia there will be eleven half day sessions on single discipline subjects, organized by the specialist international associations (IABO, IAPSO and CMG) many of which are open for offers of contributed papers. Those wishing to contribute to these sessions should communicate as soon as possible with the Secretary of the Association concerned.

#### International Association of Biological Oceanography of IUBS

Secretary Dr T. Wolff  
 Universitet Zoologiske Museum  
 Universitetsparken 15  
 Copenhagen  
 Denmark

- Sessions C2 Microbial processes of the sea floor
- C5 Contributions in biological oceanography
- C8 Dynamics of ecosystems
- C11 Contributions in biological oceanography

#### International Association of Physical Sciences of the Ocean of IUGG

Secretary Dr E.C. La Fond  
 Naval Undersea Research & Development Centre  
 San Diego  
 California 92132  
 U.S.A.

- Sessions C1 Continental shelf dynamics
- C4 Characteristics and generation of the mixed layer and thermocline
- C7 The skin of the ocean
- C10 Forecasting of ocean currents

Commission for Marine Geology of IUGS  
 Secretary Dr E.S.W. Simpson  
 National Research Institute for Oceanology  
 P.O. Box 320  
 Stellenbosch 7600  
 South Africa

- Sessions C3 Sea bed surveys (with ECOR)
- C6 Geochemistry of interstitial water and exchanges across the sediment/water interface
- C9 Criteria for correlation of cretaceous and cenozoic marine deposits

In addition to the scientific symposia there will be business meetings of SCOR and the Associations during the Congress period.

## PUBLICATION

FAO has agreed to produce volumes of abstracts for invited papers for participants.

Arrangements will be made to publish the papers from the General Symposia in hardback volume form. It is hoped that this volume will be published by mid-1977. Some of the special symposia may be published by the Associations or other organizations concerned.

## LOCAL ORGANIZATION

A national organizing committee has been established in the United Kingdom to attend to the local arrangements. This committee is formed of representatives of the Royal Society of London, the Royal Society of Edinburgh, the Natural Environment Research Council, the City of Edinburgh, the University of Edinburgh and the Heriot-Watt University.

British Airways have been appointed official air carriers for the Assembly and will make special arrangements to assist passengers passing through London (Heathrow) and will provide facilities at the Congress for passengers to arrange and/or confirm their homeward reservations.

The Royal Bank of Scotland has been appointed official bankers for the Assembly and will provide facilities at the Congress for currency exchange, cashing travellers cheques and other banking services.

## PARTICIPATION

The Assembly is open to marine scientists from all nations.

## PRE-REGISTRATION

To assist the organizers all prospective participants are invited to complete the preliminary registration form and return it, by air mail, as soon as possible. The information entered on the card will not commit the sender, but those who do not return the card will not be entered on the mailing list for further information.

## REGISTRATION

A third circular, giving further information about the scientific programme social events and excursions will be despatched towards the end of 1975. This circular will call for registration by 28 February 1976 and payment by that date of registration fees as follows:

|                  |     |        |
|------------------|-----|--------|
| Full participant | £25 | (\$60) |
| Student          | £10 | (\$24) |

The registration fee for late participants will be increased to £40 (\$100).

Fully registered participants will be entitled to:

- (a) attend any of the scientific symposia and public lectures
- (b) receive a copy of the volume of abstracts (by courtesy of FAO)
- (c) receive all congress literature
- (d) participate in the official congress reception and receive invitations to other social events
- (e) use the University restaurant for lunch

## ACCOMMODATION

Rooms have been reserved for participants in Halls of Residence of the University of Edinburgh and the Heriot-Watt University and also in Hotels in the city. Accommodation in University Halls of Residence is expected to be about £6 including all meals per night and in Guest Houses or Hotels ranging from £4 to £15 per night for bed and breakfast.

Full details of costs of the various types of accommodation will be given in the third circular and intending participants will then be invited to request reservations. For each reservation a nonreturnable deposit of £10 will be required by 28 February 1976.

## ACCOMPANYING PERSONS

No special arrangements have yet been made for accompanying persons (e.g. wives) who will not participate in the scientific sessions. Such persons would be able to register at a substantially reduced fee and participate in all social events. The organizers would like to know how many such persons might be attending and provision is made on the preliminary registration form for this to be noted.

## EXCURSIONS

A programme of excursions will be arranged for Saturday 18 September to marine science laboratories and other places of interest in Scotland. Details will be given in the third circular.

## DATES TO REMEMBER

|  |                         |
|--|-------------------------|
| Return preliminary registration form by  | 31 August 1975          |
| Third circular will be issued  | November 1975           |
| Date for return of registration form and request for accommodation and payment of registration fee (£25) and nonreturnable accommodation deposit (£10) | 28 February 1976        |
| Arrive in Edinburgh  | 12 or 13 September 1976 |

Please complete and return preliminary registration form as soon as possible.

AIRMAIL  
PAR AVION  
VIA AEREA

THE ORGANIZING COMMITTEE  
JOINT OCEANOGRAPHIC ASSEMBLY 1976  
C/O THE ROYAL SOCIETY OF EDINBURGH  
22 GEORGE STREET  
EDINBURGH EH2 2PQ  
SCOTLAND  
UNITED KINGDOM

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Preliminary Registration

PLEASE PRINT OR USE TYPEWRITER

Surname ..... Initials .....

Title (Prof.Dr Mr etc) .....

Address .....

.....

.....

Country .....

I am interested in the Joint Oceanographic Assembly 1976 and wish to receive the third circular towards the end of 1975.

- |  |                          |   |
|--|--------------------------|---|
| I expect to be able to attend                                      | <input type="checkbox"/> | I do/do not* expect to be accompanied by my wife or other non-participant |
| I wish to attend but am uncertain at present                       | <input type="checkbox"/> |   |
| I do not expect to attend but would be glad of further information | <input type="checkbox"/> |   |
- \* (delete as appropriate)

I understand that completion of this card incurs no commitment but that firm registration will be required by 28 February 1976.

Signed ..... Date .....