



Pacem in Maribus

ACROSS THE OCEANS

The IOI Newsletter

International Ocean Institute

January 1982



With the beginning of 1982 the International Ocean Institute moves into the third year of its Training Programme in the Management and Conservation of Marine Resources.

Over the past two years many, many people have taken part in these courses. And the number continues to grow. With this in mind, we have decided to issue Across the Oceans, an IOI Newsletter.

This is the first issue. We hope to put out two or three issues each year. The main idea behind Across the Oceans is, naturally, communication. We would like to maintain contact with those people who have participated in the IOI Training Programme, and we would like to help them keep in touch with each other!

More specifically we would like to keep abreast of developments in the field of ocean management in all developing countries. But for that we need help. We would appreciate it, therefore, if each one of the Participants would write to us periodically and tell us about his or her current activities and about any new developments in the field of management of marine affairs in his individual country.

We will, in turn, pass this information on to the other Participants, through this Newsletter, thereby helping everyone to keep up to date on new ideas and developments in ocean management.

All correspondence should be sent to the International Ocean Institute; P.O. Box 524; Valletta, Malta.

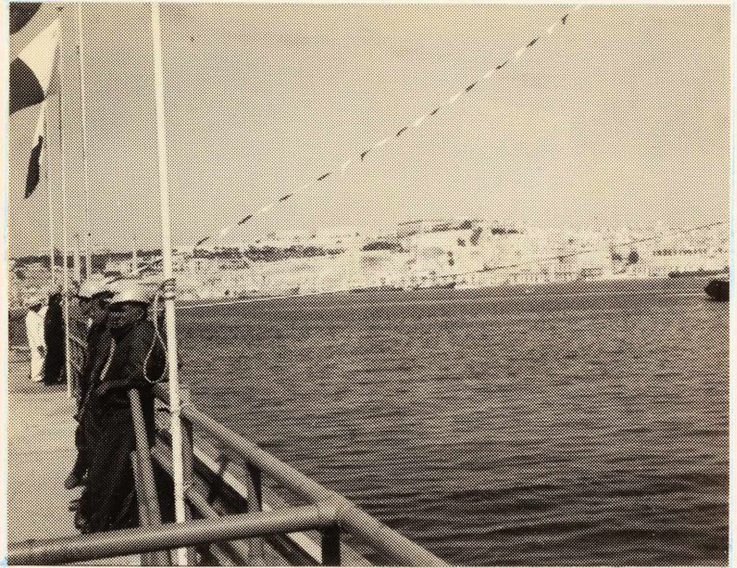
INTERNATIONAL OCEAN INSTITUTE

Structure

The International Ocean Institute (IOI) is an independent, nongovernmental, international organisation. Its activities are governed by a Board of Trustees, a Planning Council, and a Director and his staff. In addition there are project directors for individual projects, associates and consultants, as well as two Editors and a Board of Editors for the Ocean Yearbook. Operations are carried out in Malta, Halifax (Canada) and Chicago (USA).

The Governing Bodies of IOI

The Board of Trustees consists of the following distinguished personalities: Layachi Yaker (Algeria), President; Zakaria Ben Mustapha (Mayor of Tunis, Tunisia), Elisabeth Mann Borgese (Dalhousie University, Canada), Jorge Castañeda (Minister for Foreign Affairs, Mexico), Gunnar Myrdal (Sweden), Aurelio Peccei (President, Club of Rome), Jan Pronk (UNCTAD), Roger Revelle (University of California, San Diego), Mario Ruivo (Secretary, IOC), Hernan Santa Cruz (Chile), Anton Vratuša (Centre for the Study of Public Enterprises in Developing Countries, Yugoslavia).



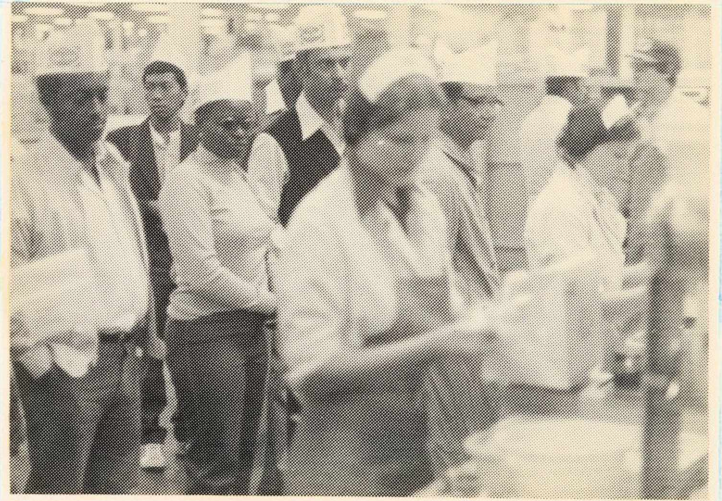
The Planning Council is made up of another group of public opinion leaders: Elisabeth Mann Borgese, Chairman (Dalhousie University, Canada), K. Bhagwat Singh (UN Secretariat), Silviu Brucan (University of Bucharest, Romania), Maxwell Bruce, Q.C. (Canada), Thomas S. Busha (IMCO), Edwin J. Borg Costanzi (Malta), René Jean Dupuy (College de France), Jan van Ettinger (RIO Foundation, Netherlands), Reynaldo Galindo Pohl (El Salvador), J. King Gordon (Canada), G.L. Kesteven (Australia), Anatoly L. Kolodkin (Research Institute of Maritime Transport, USSR), Frank LaQue (USA), Arvid Pardo (University of Southern California; Malta), Jacques Piccard (Foundation for the Protection of Seas and Lakes, Switzerland), Christopher Pinto (Chairman, International Law Commission; Sri Lanka), Egerton Richardson (Ministry for External Affairs, Jamaica), Lord Ritchie-Calder (UK), V.K.S. Varadan (Geological Survey of India), Joseph Warioba (Attorney General, United Republic of Tanzania), Alexander Yankov (Ministry for Foreign Affairs, Bulgaria).



THE IOI TRAINING PROGRAMME

Over the past two years, the International Ocean Institute has developed a Training Programme on the Management and Conservation of Marine Resources for participants from Third World countries. The purpose of the Programme is to deepen the understanding of the ever increasing importance of the oceans and their resources in world politics and world economics; to assist developing countries in the formation of a core of decision-makers fully aware of the complex issues of ocean management; and to maximize benefits to be derived from the proper integration of ocean management into national and international development strategy.

During the first two years, the Programme was divided into two parts. Class A was devoted to ocean mining; Class B to Economic Zone management. Both courses were conceived in a broadly interdisciplinary way and covered all aspects -- from technology and economics to administration, management, national and international law and institutional infrastructure. Each course lasted 10-12 weeks.



Highlights of Class A included a Simulation Exercise, designed by Canadian and German experts, on negotiating a joint venture with the Seabed Authority. Participants assumed the roles of representatives of the Authority, of a consortium, and of a group of developing countries with different interests. Of special interest also was the Participants' involvement in the actual processing of manganese nodules and analysis of their metal content. During the field trip arranged by the German mining company Preussag AG, Participants had the rare experience of descending more than more kilometer below the surface of the earth into one of the world's largest salt and potash mines where the temperature of the walls approached 65 degrees Centigrade.



IOI ACTIVITIES IN 1982

As in 1980 and 1981, Class A on Ocean Mining and Class B on EEZ Management will once again take place.

Starting in 1982, however, a third course, Class C, will be added to the Programme. While Classes A and B are organised on a global basis, Class C will focus on the needs and concerns of one particular region. And the participants will all be drawn from that region.

As in 1981, Class A will be held in Malta and Germany. The first part of this course on Seabed Mining will be devoted to the economic, managerial and legal aspects of ocean mining. This will start in Malta on 12 April. The second part of the course will take place in the Federal Republic of Germany, and will once again be organised in cooperation with the Aachen Technical University, which contributes to this course its unique technical infrastructure and expertise. Also included, while in Germany, is the field trip to the mining company, Preussag AG, in Hannover.

"Last year's Programme was a valuable experience for me, and I have already had the opportunity of applying some of the lessons learnt at the course to the field back in Pakistan."
Mohammad Saeed Akhtar, Pakistan

The Programme is completely updated each year, and current developments in the Law of the Sea, the changing scene of world economics, and new scientific discoveries that may affect the development of ocean mining, are fully taken into account.

Class B is being organised, as last year, in cooperation with Dalhousie University in Nova Scotia, Canada. The aim of this course, which will take place in the summer months, is to increase awareness of the fact that ocean management adds a new dimension to development strategy; that is requires broadly interdisciplinary skills, new institutional and legal infrastructures, and new forms of local, national and international, intergovernmental and nongovernmental, organisation and cooperation.

The IOI is currently working on arrangements with local institutions for the addition of an optional technical work programme to the course. If arrangements can be completed for this year, three optional classes would be offered in marine geology,

"The Halifax experience was a very useful one indeed and each day at work I see the fruits of that endeavour. Sometimes I wonder how I did [my job] before."

Miss G. Guy, Trinidad and Tobago

oil drilling technology, and fisheries/aquaculture technology respectively. The courses would be given Thursdays and Fridays, 6 hours a day (for a total of 120 hours), while the interdisciplinary foundation course would be concentrated on the first three days of each week.

"From the comments of Participants I judge that the Programme is not only a practical and valuable training course, but it should also help to establish mutually beneficial contacts between Canadians and policy makers in developing countries."

W.A. MacKay, Dalhousie University



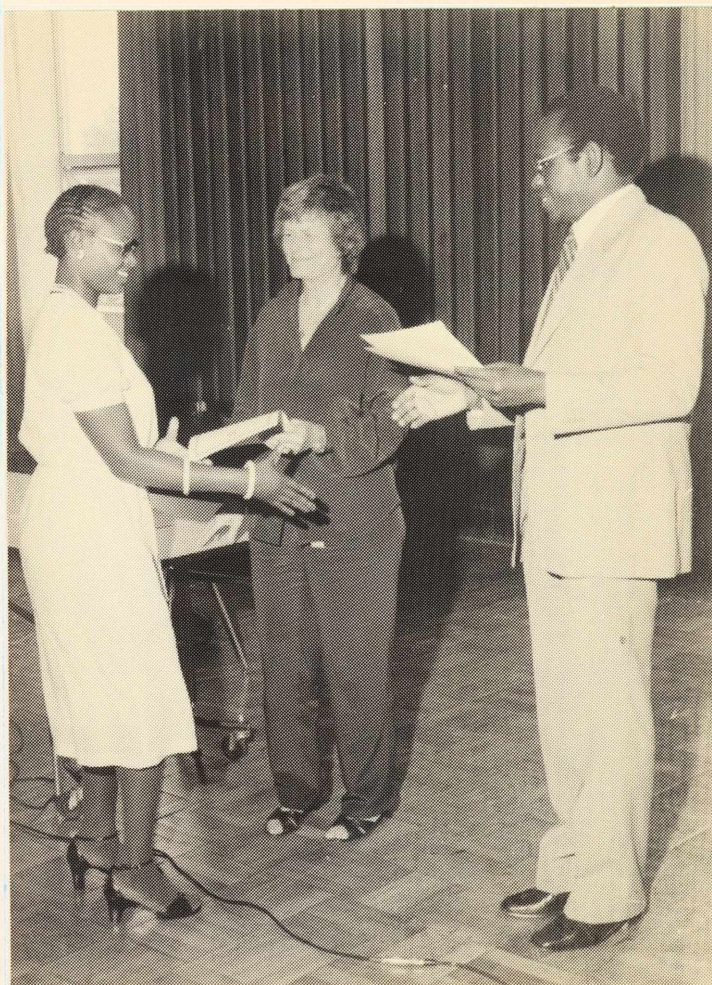
The Class B course is conducted from a systems-analytical point of view, emphasizing linkages and conflicts between ocean uses, both in the short-range and the long-range perspective. It tries to encourage the emergence of new concepts and approaches in the participants' minds and to strengthen their ability to negotiate in international fora and bilateral negotiations affecting the uses of the oceans.

"For me, a Nigerian delegate to UNCLOS, the eight weeks of the real training broadened my horizon of seabed marine resources and gave me a stronger 'feel' of the options in the exploitation of these resources."
H.T. Molokwu, Lagos, Nigeria

Class C will take place in Goa, India between October and December. This course will deal with all aspects of ocean management in South and Southeast Asia. Particular attention will be given to such specific topics as pond culture, cage culture, pearl farms, seaweed beds, mangrove swamps, and coral reefs.

There will be field trips to Kerala, Sri Lanka, and the Maldives in order to get first-hand impressions of aquaculture practices and of local and regional research institutions and extension services. A research ship will be at the disposal of the participants for a few days.

"The Training Programme...proved invaluable to the accentuation of my understanding of the intricacies and economic importance of ocean space especially in fostering economic development and growth within developing nation states."
C.L. Harvey, Georgetown, Guyana



"As we look forward to the establishment of the Exclusive Economic Zone when the Law of the Sea Convention goes into force, we hope that we can apply this new type of training to the effective and rational management of our marine resources."
T.W. Sherman, Republic of Liberia

With the Law of the Sea negotiations drawing to an end, ocean management and the resources of the sea are going to play an ever increasing role in national development strategy and in the changing structure of international economic relations. It is important that developing countries join this new phase of the industrial revolution from the beginning. This Programme is meant as a contribution to a better understanding of the complex issues involved.

List of Participants in the IOI Training Programme during 1980 and 1981.
The letters "A" and "B" following the name indicate which programme each
Participant attended.

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- DE LUCA, Mrs. S.M.L. (B)
Secretaría de Estado Minería
Ministerio de Economía, Buenos Aires
- DIAS, Mr. H.D. (B)
Secretaría de Estado Minería
Ministerio de Economía, Buenos Aires

BAHAMAS

- DELEVEAUX, Mr. E.V.G. (B)
Department of Fisheries
Ministry of Agriculture and Fisheries
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BELIZE

- GONZÁLES LIND, Mrs. K. (A)
Graduate Student
Belize City

BRAZIL

- DANTAS, Mr. F. de A.C. (B)
Fishery Engineer; Dept. of Economics
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CAMEROON

- BETAH, Mr. S.S. (B)
Ministry of Mines and Power
Yaounde
- MPOUEL, Mr. B.L. (B)
Ministry of Foreign Affairs
Yaounde

CHINA

- LIU, Mr. W.-Z. (B)
Associate Professor
Foreign Affairs College, Beijing

COLOMBIA

- BERMUDEZ-QUINTERO, Mr. J.L. (B)
Ministerio de Relaciones Exteriores
Bogotá
- LA ROTTA, Dr. R. (B)
Ministerio de Relaciones Exteriores
Bogotá
- PRIETO, Dr. J.F. (B)
Ministerio de Relaciones Exteriores
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COSTA RICA

- MARENCO, Dr. H.Z. (B)
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EGYPT

- FATHALLA, Mr. A.A. (B)
Second Secretary
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EL SALVADOR

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Ministry of Mines, Energy & Water Res.
Addis Ababa
- SHIFERAW, Mr. A. (B)
Ethiopian Institute of Geological Surveys
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- KHOURY, Mr. S.G. (A)
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- QUARTEY, Miss K.D.K. (B)
Assistant State Attorney
Office of the Attorney General, Accra

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- FRANCIS, Mr. H. (B)
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GUYANA

- HARVEY, Mr. C.L. (B)
Fisheries Officer, Fisheries Division
Ministry of Agriculture, Georgetown

HAITI

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First Secretary
Permanent Mission of Haiti to the UN
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- BAIJAL, Lt. Cdr. S.D. (B)
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- BHARTIJA, Mr. V.V. (A)
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Dept. of Science & Technology, New Delhi
- CHOPRA, Mr. S.K. (A)
Advocate
Lucknow
- CHOUDHURI, Mr. S.K. (A)
Regional Controller of Mines
Indian Bureau of Mines, Nagpur
- DAS, Mr. S.K. (B)
Assistant Commissioner (Fisheries)
Ministry of Agriculture, New Delhi

- GILL, Mr. T.L. (A)
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Ministry of External Affairs, New Delhi
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- SHERMAN, Mr. T.W. (B)
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Ministry of Fisheries, Port-Louis
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- AKHTAR, Mr. M.S. (A, B)
Economic Consultant
Interland Management Consultants, Lahore
- PHILIPPINES
- VALERIO, Mr. J.D.
Chief, Planning Services
Min. of Natural Resources, Quezon City
- SENEGAL
- DIENE, Mr. B. (A, A)
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Ministry of Industrial Development, Dakar
- SIERRA LEONE
- AGBAJE, Mr. A.E. (A)
Acting Deputy Director
Geological Survey Department
Ministry of Mines, Freetown
- SRI LANKA
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Assistant Director of Programme & Planning
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Department of Geology
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Naval Headquarters, Navy of Sri Lanka
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Assistant Secretary
Ministry of External Affairs, Basseterre
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Dar es Salaam
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Fisheries Officer, Fisheries Division
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THE OCEAN YEARBOOK

The most important and most ambitious publication of the IOI has been the Ocean Yearbook which is published jointly with the University of Chicago Press. This is a collection and review of the resources, ecology, technology, and strategic uses and importance of the world's oceans. The compilation of such data and their interaction, so as to present a comprehensive integrated view of ocean affairs is the Institute's goal in this publication. This publication is also being used as a textbook in the IOI Training Programme.

Ocean Yearbook 3, which will be available in early 1982, will include the following articles:

"The Draft Convention" by E. Mann Borgese;
 "FAO's EEZ Programme: Helping to Build the Fisheries of the Future" by Kenneth Lucas and Tony Loftas;
 "Ocean Energy and the Hydrogen Denominator" by Harvey Silver-

stein; "Metalliferous Sediments of the Seabed: The Atlantis-II Deep Deposits of the Red Sea" by Erich Blissenbach and Zohair Nawab; "Monitoring and Surveillance: Navigation" by Thomas Busha; "The Surveillance and Control of Navigation in the New Law of the Sea: A Comment" by Edgar Gold; "The Ocean Basins and Ocean Water" by A.T. Anderson; "Regional Marine Resources Development: Growth by Necessity" by Lee Kimball; "Oil Pollution of the Sea: Excerpts from the ACOPS Annual Report 1980" by the Advisory Committee on Oil Pollution of the Sea; "The Caribbean Experience" by Peter Thacher and Nikki Meith; "Coastal Zone Management: A Comparative Analysis of National Programmes" by James Mitchell; "Military Aspects of the Exclusive Economic Zone" by Michael A. Morris; "The Southern Ocean in the 1980s" by Barbara Mitchell; "The Emerging Concept of Midocean Archipelagos" by Phiphat Tangsubkul and Daniel J. Dzurek.

ACROSS THE OCEANS

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Pacem in Maribus

IOI News

A Newsletter of the
International Ocean Institute

Winter/Spring, 1989-90
No. 5

EDITORIAL NOTE

More than a year has passed since the last issue of IOI News. So much has happened in the meantime that this issue is necessarily longer than usual. The IOI has seen changes in structure and staff, new research projects and training programmes and a more active presence in Malta. In the latter respect, the first Training Programme on the Management of the Mediterranean was convened at the University of Malta last autumn.

As the IOI nears its 20th anniversary in 1992, much energy is going into the endowment fund campaign which will see the IOI's core funding put on a more secure footing. The target is US\$10 million. By that year the Institute hopes to have permanent premises for its headquarters in Malta. Spearheaded by Pierpont & Associates in New York, the campaign will cover North America, Western Europe and Japan.

1989 has also seen the new IMO International Maritime Law Institute (IMLI) successfully commence its first masters course at the University of Malta for students from developing countries. With Prof. Patricia Birnie as Director, IMLI will be filling an important gap in international training activities in the field of maritime law for participants from developing countries. The IOI warmly welcomes its sister institution and wishes it every success in its endeavours.

1990 is already a very active year. Training programmes in marine resources management will be convened in Canada, Malta, Finland, the Caribbean and Indian Ocean. Pacem in Maribus XVIII in Rotterdam, research projects on global and regional issues, publication of conference proceedings, the Ocean Yearbook and newsletters. In particular a new newsletter entitled Current Holdings will be commenced.

International Ocean Institute

I N S I D E I O I

CONFERENCES

PIM XVII - Moscow 1989

Pacem in Maribus XVII was convened at the Sovincentre in Moscow between 26-30 June 1989. The theme was "Peace in the Oceans: The New Era" and initiatives for security, legal order and environmental protection were addressed. Co-sponsors with the IOI were the Soviet Peace Fund, the Soviet Maritime Law Association and the United Nations Environment Programme.

The Convocation was attended by some five hundred people from over 50 countries.

Sustainable Development

IOI (Canada) co-sponsored with the Lester Pearson Institute for International Development and the School for Resource and Environmental Studies a conference on "Sustainable Development: Critical appraisal and future challenges." at Dalhousie University, Halifax, Canada between 12-14 February 1990. The Canadian International Development Agency (CIDA) funded the conference with supplementary support from the organising institutions.

Participants came from the USSR, UK, Canada, US, Italy, Norway, Brazil, India and Mexico.

The purpose of the conference was to review current knowledge about sustainable development and its application as well as to discuss issues and themes

that will affect both our views of sustainable development and our social behaviour.

PIM XVIII - Rotterdam 1990

The arrangements for Pacem in Maribus XVIII, scheduled for Rotterdam between 27-31 August 1990 are progressing. To be convened at De Doelen, Rotterdam, the theme of this convocation is "Ports as 'Nodal Points' in a Global Transport System." As in PIM XVI in Halifax, Canada, a trade show will be organised concurrently with the conference.

Opening addresses will be given, inter alia, by Mrs. J. R. H. Maij-Weggen, Netherlands Minister of Transport and Public Works, and Mr J. P. Pronk, Netherlands Minister for Development Cooperation. The Panels of the convocation carry the following themes:

- Panel 1: Changes in the World Economy
- Panel 2: Developments in Technology
- Panel 3: Interaction with the Environment
- Panel 4: Ports as 'Nodal Points'
- Panel 5: A Global Transport System
- Panel 6: Developing Countries; Cases of Ports
- Panel 7: Developing Countries; Role and Needs
- Panel 8: The Port of Rotterdam
- Panel 9: Summary and Conclusions.

The convocation will also cover a number of ports around the world as case studies. The new

container port of Marsaxlokk run by Malta Freeport Corporation in the south of Malta has been chosen as one of these and a presentation will be made by a representative of that Corporation.

Conference coordinator is Mr Jan van Ettinger, member of the IOI Planning Council. For further information on the convocation, readers can request a brochure (including a registration form) from the IOI office in Malta. Registration forms should be sent to:

Congress Office, Erasmus University Rotterdam, Room EB-14
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3000 DR Rotterdam
The Netherlands
Telephone: (+31)(0)10-4081098
Telefax: (+31)(0)10-4520204
Telex: 24421 Ubrt nl

TRAINING PROGRAMME

Class B - Halifax, (Canada) 1989

As usual, this Class was convened at Dalhousie University, Halifax, Canada between 12 June-18 August, 1989 with Dr S. P. Jagota as course director and Ms Anita Coady as Assistant Director. Twenty four participants from Solomon Islands, Ethiopia, Cook Islands, Barbados, Sri Lanka, Nigeria, India, China, Sierre Leone, Ghana, Pakistan, Philippines, Tanzania, Malta, Socialist Republic of Vietnam, Western Samoa, Indonesia and Yugoslavia attended this course.

The sponsors of this 1989 Summer Training Programme were the International Centre for Ocean Development (ICOD), Commonwealth Secretariat

(COMSEC), Food and Agriculture Organization (FAO), United Nations Environment Program (UNEP), Norwegian Agency for International Development (NORAD), the Marine Affairs Programme at Dalhousie University and the Canadian International Development Agency.

Dr Anna Mallia, from the Attorney General's Office, Ministry of Justice, was the Maltese participant for this course who was sponsored by the Commonwealth Secretariat (COMSEC).

Class C - Indian Ocean (Egypt) 1989

This Class C course, which is the third in a series of five on Indian Ocean Marine Affairs Cooperation, has been designed for decision-makers concerned with ocean management in the Indian Ocean region. This course was jointly convened by IOMAC and IOI between 15 October-21 December, 1989 in Cairo, Egypt. Nineteen participants from Pakistan, Malawi, Seychelles, Sri Lanka, Tanzania, Egypt, Kenya, Malaysia, Mauritius and Indonesia attended this course. Dr Krishan Saigal was course director whereas Ms C. F. Vanderbilt was the Associate Director.

The sponsors for this course were UNDP, UNCTAD and ICOD. Assistance was also provided by the Egyptian Academy for Scientific Research and Technology.

Class C - Mediterranean (Malta) 1989

This training programme was the first in a series of Mediterranean courses. Convened

between 2 October-7 December 1989, the course was directed by Dr Aldo Chircop, assisted by Mr Paul Mifsud. Twelve participants from Malta, Italy, Jordan, Turkey, Egypt, Yugoslavia and Syria spent ten weeks at the University of Malta discussing the management problems of the Mediterranean region.

UNEP/MAP, UNESCO/IOC and ENEA (Italy) provided scholarships for this programme. Support by way of lecturers came from FAO/GFCM, IOC, UNEP/MAP, UNCTAD, WTO, ALECSO and the IMO/UNEP Regional Marine Pollution Response Centre (formerly ROCC, Manoel Island). Cooperating with the IOI in the local coordination and organisation of the course were the University of Malta, the Foundation for International Studies and the Malta Council for Science and Technology.

Several Maltese University Faculty lectured in the programme: Prof. Victor Axiak, Prof. Patrick Schembri, Mr John Schembri, Prof. David Attard, Prof. Carmelo Agius, Prof. Anthony Bonanno, Prof. Salvino Busuttil, Prof. Rev. Peter Serracino Inglott, Dr Dominic Fenech, Prof. Edward Scicluna. The Maltese participants in the course were Mr Simon Mifsud, Mr Mark Jaccarini and Mr Peter Spiteri. Mr William Scicluna gave an on-board lecture to the participants.

Distance education

As a logical development of its training programmes, the IOI has developed an interest in distance education in marine affairs. In a Commonwealth of Learning Symposium on the Application of Distance Education to Marine Resources

Development, the IOI submitted a project proposal for a distance learning project in marine resources management with the Centre for Distance Learning at the University of Malta. Convened at the University of Malta in April 1989, the meeting adopted the project proposal and recommended its adoption by the Board of Governors of the Commonwealth of Learning in Vancouver.

The proposal consists of 12 distance learning units that examine different aspects of ocean use, development and management, through a specially prepared film or video and reading materials for each unit. The course is aimed at civil servants, educators and teachers of marine affairs, and students. The project proposal now awaits funding.

MARINE SCIENCES NETWORK

A major responsibility being undertaken by the IOI through its Director, Dr Aldo Chircop, is the coordination of the Marine Sciences of the Malta Council for Science and Technology. As coordinator of the Network, Dr Chircop works closely with Maltese scientists and Government officials on a broad range of subjects in marine affairs in Malta. For more information on the network and its activities, refer to Marine Affairs, the Network's quarterly newsletter.

IOI ACTIVITIES IN THE INDIAN OCEAN

IOI work in the Indian Ocean continues to be a priority area within its scope of activities. These endeavours, which are undertaken in cooperation with the Indian Ocean Marine Affairs

Cooperation (IOMAC) Secretariat, range from training programmes, to information/data exchange networks, to publications.

Ms. C.F. Vanderbilt represented the IOI at the 4th Standing Committee of IOMAC in July 1989 where she presented a paper on the Status of Training in Marine Affairs in the Indian Ocean. She also formed part of the Working Group on Information which concentrated on devising an information and data exchange system for the IOMAC region. The establishment of a network for the exchange of information, which would be called IO-MAARIS, was part of the initial Plan of Action set out in IOMAC-I in 1987. The short-term goals had been met and it was decided that the time had come for further development. Accordingly, an IOMAC Information Workshop was convened in Indonesia in February 1990, where Ms Vanderbilt again represented the IOI. This meeting focused on identifying the information needs of the participating States, established priorities in relation to these needs, and developed a strategy for implementing information products to meet these requirements.

Other developments were the announcement of the Second IOMAC Conference, IOMAC-2, which will take place in Arusha, Tanzania from 3-7 September 1990. The Statute of the IOMAC has been drafted and will be in place for adoption by that meeting. This will give IOMAC the status of an intergovernmental organisation which will enhance its ability to enact its programmes and raise funds.

The latest issue of IO News, a bulletin of information on Indian Ocean marine affairs cooperation, is now in preparation and is expected to be published in the coming months. Copies are available free of charge from the IOMAC Secretariat, BMICH, Bauddhaloka Mawatha, Colombo 7, Sri Lanka.

RESEARCH

Mediterranean Industrial Technology Centre

The proposal of Malta to establish a Mediterranean Centre for Research and Development in Marine Industrial Technology has advanced to gain much international support. The proposal was first put forward by Malta during the Fifth Ordinary Meeting of the Contracting Parties to the Barcelona Convention in September 1987, within the framework of the Mediterranean Action Plan (MAP). IOI has been providing research support from the inception and throughout the various stages of the proposal.

A UNIDO-convened meeting of Mediterranean experts to assess the proposal and feasibility study in April 1989 welcomed the initiative and gave that organisation the green light to take the steps necessary for the establishment of the centre. In that meeting, Government experts from several Mediterranean states, such as Egypt, Morocco, Turkey, Cyprus, Algeria and Italy, studied the proposal and supported its development and implementation. Spain and Bulgaria sent observers. Yugoslavia, Greece and Israel also expressed interest in the centre. Following the meeting, a number

of states specifically offered to host the centre.

The workshop was convened in collaboration with the UN Secretariat Office of Ocean Affairs and the Law of the Sea. Also supporting the proposal at the meeting were representatives of IOC, UNEP Coordinating Unit for MAP and FAO.

Since the beginning of 1990, UNIDO has continued to carry out consultations with Mediterranean Governments and other intergovernmental organisations to facilitate the establishment of the centre.

Caribbean marine technology centre

Following the warm reception of the Mediterranean proposal, a similar proposal for a marine technology centre suitable to the needs of the Wider Caribbean is being supported by UNIDO in its first phase, and eventually also by UNEP in its second phase. As in the Mediterranean, the IOI is providing support to the project from its office in Canada.

Tourism and environment

The research project on finding alternative ways of financing the Mediterranean Trust Fund of the Mediterranean Action Plan is well under way. Funded by the Ford Foundation, a number of studies are being undertaken by the Malta and Canada offices of the IOI, as well as by other researchers. A principal activity of the project will be the distribution of a questionnaire to a sample of tourists in the region.

The project is examining ways

how tourists in this environmentally sensitive region may be more directly involved in measures for the protection of the Mediterranean marine environment, notably by supporting a charge on the 'use' of the environment. The ensuing income would be channelled into the Trust Fund to support efforts to protect and enhance the Mediterranean marine environment.

Perestroika International

Following a proposal by Prof. Ronald St. John Macdonald, of Dalhousie Law School, the IOI is involved in a project to set up an international commission to study the international implications of Perestroika. In collaboration with Soviet scholars, the project will have a component on the implementation and the progressive development of the law of the sea.

Common Heritage and the Environment

The IOI has been invited to contribute a study concerning the common heritage and the environment in a bilateral research project on environmental security and the oceans, involving the Institute of World Economy and International Relations, Moscow, and the Woods Hole Institute of Oceanography, Massachusetts. The IOI contribution will be led by Prof. Arvid Pardo.

OVERSEAS VISITORS

The following persons visited IOI (Malta) between spring 1989 and spring this year:

Dr Ewan Anderson, from the

Department of Geography,
University of Durham, England

Prof. Gerald Blake, Director,
International Boundaries
Research Unit, Department of
Geography, University of
Durham, England

Mr Ibrahim Dharat, Programme
Officer, UNEP Coordinating Unit
for the Mediterranean Action
Plan, Athens

Dr Hilary Perraton, from the
Human Resource Development
Group, Commonwealth
Secretariat, London, England

Dr Ludwig Sharman, Department
of Geography, Hannover
University, West Germany

Ms Alexandra Zoller, Faculty of
Law, University of Tübingen,
West Germany

Mr Harold J. Kearsley,
Department of International
Relations, University of
Aberdeen, Scotland
Dr Ademuni Odeke, Ademuni Odeke
Associates (Maritime and
Business Consultants),
Southampton, England

Dr David Havard, Plessey Naval
Systems Ltd, Somerset, England

Dr Gualtier Soares,
Intergovernmental Oceanographic
Commission, UNESCO, Paris

Mr Jan van Ettinger, Van
Ettinger & Associates Advisers
(Shelter, Energy and
Environment Development),
IJssel, Netherlands

Prof. Budislav Vukas, Faculty
of Law, University of Zagreb,
Zagreb, Yugoslavia

Mr Hans Peters, Principal,
Trade and Maritime Industries,
World Bank, Washington

Dr Nikola Kovacevic, Institute
of Marine Biology, Kotor,
Yugoslavia

Capt. Dimitris Mitsatsos,
Director-General, HELMEPA,
Athens

Under the leadership of Mr
Ulrich Witzlinger, a group of
14 German law students
articling in Frankfurt visited
the IOI in July 1989.

Prof. Tullio Scovazzi, Faculty
of Law, University of Parma,
Italy

Dr Giampiero Francalanci,
former Head of the Cartographic
Unit, AGIP, Italy

Dr Ray Griffiths, Secretary of
the General Fisheries Council
for the Mediterranean, FAO,
Rome

Dr John Caddy, Senior Fisheries
Resources Officer, FAO, Rome

Dr Peter N. Miyake, Senior
Scientist, International
Commission for the Conservation
of Atlantic Tunas, Madrid

Prof. Adalberto Vallega,
Institute of Geographical
Sciences, University of Genoa,
Genoa, Italy

Dr Peter Faust, Shipping
Division, UNCTAD, Geneva,
Switzerland

Prof. Paolo Fabbri, on behalf
of the World Tourism
Organisation, from the
University of Bologna, Italy

Ms Honor Frost, marine
archaeologist, London, England

Dr Silvia Boba, Mediterranean
Institute, Rome
Dr Anastasia Strati, lawyer.

American College, Athens

Dr Louis Saliba, WHO/EURO
Project Office, Coordinating
Unit of the Mediterranean
Action Plan, Athens

Dr Sidney Holt, former IOI
Director, Rome

Dr Ahmad El Sheikh Elamin,
Department of Documentation and
Information, Arab League
Educational Cultural and
Scientific Organisation
(ALECSO), Tunis, Tunisia

Mr Alain Jeudy de Grissac,
consultant, Regional Activity
Centre for Specially Protected
Areas, Salamambo, Tunisia

Prof. Barbara Kwiatkowska,
Associate Director, Netherlands
Institute for the Law of the
Sea, University of Utrecht,
Netherlands

Prof. Elisabeth Mann Borgese,
Chairman, IOI Planning Council,
Halifax, Canada

Ms Anita Coady, IOI (Canada),
Halifax, Canada

Prof. Patricia Birnie,
Director, IMO International
Maritime Law Institute, Malta

Mr Anthony Bromley, UNIDO,
Vienna

Prof. Arvid Pardo, Texas, USA

Mr Clive Schofield, University
of Durham

Ms Michele Lemay, Lemay-Bacle
Consultants, Washington

Rev. Jurgen Heimer, German
Seamen's Mission, London

Mr Gary Vernon, President,
International Centre for Ocean
Development, Canada

Mr Thomas Busha, Member, IOI
Planning Council, London &
Deputy Commissioner of the
Marshall Islands Authority.

Palle Uhd Jepsen, Wildlife
Administration, Denmark

Prof. Edgar Gold, Executive
Director, Oceans Institute of
Canada

IOI GOVERNING BODIES/STAFF

Board of Trustees/Planning Council

During its 26th session in
Moscow in June 1989, the joint
Board of Trustees/Planning
Council admitted the following
persons within its ranks:

Mr K. Bhagwat Singh (India),
formerly on the Planning
Council, is now a member of the
Board of Trustees. Mr Singh is
Ambassador Extraordinary and
Plenipotentiary at the
Permanent Observer Mission of
the Asian African Legal
Consultative Committee to the
United Nations.

Dr Alfonso Lopez Reina
(Colombia) joins the Planning
Council.

Staff

Since the last issue of IOI
News, the IOI has seen several
changes in its staff, both in
its Malta and Canada offices.

As from 1 January 1990, Ms C.
F. Vanderbilt is Vice-Chairman
of the IOI Planning Council and
Dr Aldo Chircop is Director of
the IOI. Both Ms Vanderbilt and
Dr Chircop continue to be based
in Malta.

Ms M. Sammut has now left the
IOI after some eight years of

service in the administration of the Institute in Malta. The IOI wishes to thank Ms Sammut for her dedication and commitment and to wish her every success in her future plans. THANK YOU MECKY!

Ms Anita Coady (Canada) is away from the IOI office on a six-month round-the-world trip where she is meeting IOI training programme alumni. She is expected to return in late spring 1990.

New to IOI (Malta) is Ms Natasha Ralston and to IOI (Canada) are Ms Judy Noel and Judy Olsen. The IOI welcomes them on board! Happy sailing. Tasha and both Judys!

For its Mediterranean Training Programme in autumn 1989 in Malta, the IOI was assisted by Mr Paul Mifsud. Thanks Paul.

Sabbatical leave

Mr Damian Iwueke, librarian from the University of Nigeria, is currently spending his sabbatical leave in Malta and doing research on specialised library and information centres in the Mediterranean region. Mr Iwueke is currently undertaking research at the libraries of the Foundation for International Studies and the IOI.

PUBLICATIONS

Unless otherwise indicated, the following publications are available from the IOI office in Malta. For a complete list of publications, address request to IOI Sales Publications. Separate mailing charges may apply and are quoted on request.

Maritime Transport and International Shipping: Legal and Economic Aspects. Proceedings of Pacem in Maribus XIV, USSR, 27 May - 5 June 1985. International Ocean Institute: Malta, 1989. xiii, 583p. Price: US\$40.00 (soft bound).

Proceedings of Pacem in Maribus XV, Malta, 7-11 September 1987. Volume 1. International Ocean Institute: Malta, 1988. 75p. Price: US\$10.00 (soft bound).

Ocean Technology, Development, Training and Transfer. Summary and recommendations of Pacem in Maribus XVI, Canada, 22-26 August 1988. 80p approx. Price: US\$8.00 (spiral bound).

Ocean Yearbook 7. Edited by Elisabeth Mann Borgese, Norton Ginsburg and Joseph R. Morgan. University of Chicago Press: Chicago and London, 1988. xi, 621p. Price: US\$59.00 (hard bound). Available from the University of Chicago Press, Journals Division, P.O. Box 37005, Chicago, IL 60637, US.

The following newsletters/brochures are available free of charge:

International Ocean Institute: Overview and Five-Year Plan, 20p (brochure).

Training Programme in the Management and Conservation of Marine Resources (poster with information on courses in 1990).

Across the Oceans (annual newsletter for Training Programme alumni).

IOI News (quarterly newsletter on the IOI).

Current Holdings: On Marine

Science and Ocean Policy (semi-annual).

Marine Affairs (quarterly newsletter of the Marine Sciences Network, Malta Council for Science and technology).

IO News: A Bulletin of News on Indian Ocean Marine Affairs Co-operation (annual).

FORTHCOMING ACTIVITIES

Training Programmes

* Class A2: (Intensive). Ocean Mining and the Preparatory Commission. June-July 1990. Finland.

* Class B: The Exclusive Economic Zone. 11 June-17 August 1990. Venue: Dalhousie University, Halifax, Canada.

* Class C: Ocean Management - Indian Ocean. December 1990. Venue: to be announced.

* Class C: Ocean Management -

Caribbean. Summer 1990. Venue: Jamaica.

* Class B2: The Exclusive Economic Zone. October-December 1990. Venue: Malta.

* Class C: Ocean Management: Mediterranean Sea. Provisionally spring 1991. Venue: to be announced.

Convocations

PACEM IN MARIBUS XVIII: Ports as Nodal Points in an Emerging Global Transport System. 27-31 August 1990. Venue: Rotterdam.

PACEM IN MARIBUS XIX: Regional Seas and Inter-Regional Cooperation. 1991. Venue: Portugal.

PACEM IN MARIBUS XX: Ocean Development 2000. 1992. Venue: Malta.

PACEM IN MARIBUS XXI: Venue: Takaoka City, Japan.

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