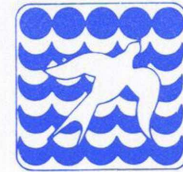




Dalhousie University

International Ocean
Institute



THE ARVID PARDO AWARD FOR RESEARCH ON THE CONCEPT OF THE COMMON HERITAGE OF MANKIND

BACKGROUND

The convocation of *Pacem in Maribus XX* in Malta, 1-5 November 1992, marked two important events in ocean affairs with historic significance: the 25th anniversary of the Maltese initiative at the General Assembly of the United Nations, on 1 November 1967, and the 20th anniversary of the establishment of the International Ocean Institute.

The result of the Maltese proposal presented by Ambassador Arvid Pardo was the initial step of the long and arduous negotiations which resulted in the adoption, on 10 December, 1982, of the United Nations Convention on the Law of the Sea, and, 12 months after the deposition of the 60th instrument of ratification, in the coming into force of the Convention on November 16, 1994.

This comprehensive Convention not only provides the legal framework, institutional arrangements and dispute settlement mechanisms for a new regime of the world's oceans, but it has exercised a remarkable influence on the progressive development of international law. Prominent among the newly emerging concepts and legal rules embodied in the Convention is the novel concept of the sea-bed and ocean floor and the subsoil thereof, beyond the limits of national jurisdiction, as the common heritage of mankind.

In this connection special tribute should be paid to the imaginative and lucid justification of the concept of the common heritage so ably presented by Ambassador Arvid Pardo during the initial consideration of the item and, further on, in the Sea-Bed Committee. The concept as elaborated was adopted as the basis of General Assembly Resolution 2749 (XXV) of 17 December 1970, containing the Declaration of Principles Governing the Sea-Bed and Ocean Floor Beyond the Limits of National Jurisdiction, and Resolution 2750 (XXV) on the same date, wherein the General Assembly decided to convene, in 1973, the Third United Nations Conference on the Law of the Sea, to deal with the establishment of an equitable regime including an international machinery, for the sea-bed and ocean floor, and the subsoil thereof, beyond the limits of national jurisdiction, and the resources thereof.

Since then the elaboration of the concept of the common heritage has been associated with the name of Arvid Pardo and his remarkable contribution to the progressive development of the modern law of the sea.

PURPOSE AND SCOPE OF THE AWARD

The purpose of the Arvid Pardo Award will be to promote research, studies, and wider dissemination of the concept of the common heritage. The scope of the research should not be confined to articles 136-138, 140, 141, etc., of the United Nations Convention on the Law of the Sea relating to the legal status of the Area, to the institutional aspects, technical and economic rules and regulations, the dispute settlement procedures and other rules embodied in the Convention, but should also encompass the concept of the common heritage in its broader scope and implications. The research may also comprise the study of the relevant rules and principles enunciated in the Rio Declaration and embodied in Agenda 21, as well as the practice of States, particularly with regard to the idea of "a new and equitable global partnership," "respect for the interests of all and protection of the integrity of the global environment," the implementation of the integrated approach to sustainable development and protection of the environment, as well as the principle that "peace, development and environmental protection are interdependent and indivisible."

The research may be focused in one specific field but multidisciplinary studies should also be encouraged. The concept of the Common Heritage of Mankind, as defined in the Law of the Sea Convention, has five attributes: Non-appropriability; shared management; benefit sharing; reservation for exclusively peaceful purposes; conservation for future generations. Each or all of these attributes might be analysed for its wider applications. The linkages between "sustainable development," the "common heritage of mankind" and "comprehensive" security might be explored. Innovation in economic theory, based on the common heritage concept, might be envisaged. The results of the research should be presented in an extensive essay or monograph (50 to 250 double spaced pages of 30 lines) which should be published as a book.

The award shall consist of:

- (a) an undertaking by the Board of the IOI to ensure the publication of the study;
- (b) an award certificate to the author or authors of the study;
- (c) a token award of US\$5,000.

The award will be granted for studies of a high scientific level and with practical significance, so that it may attract the attention of publishers.

PROCEDURAL REGULATIONS

The award will be granted on an annual basis provided that the studies submitted for consideration meet the relevant requirements.

The Board has appointed a jury consisting of 4 members and the Chairman as follows:

Professor René Jean Dupuy, France
Dr. Anton Vratusa, Slovenia
The Hon. Joseph Warioba, Tanzania
Professor Alexander Yankov, Bulgaria

The Jury is presided over by the Chairman of the Planning Council of the IOI, Dr. Sidney Holt, U.K.

TIME TABLE

The deadline for submission is March 15 of every year. The winner will be announced at the subsequent Pacem in Maribus conference.

CONCLUSION

The granting of the Arvid Pardo Award is intended to encourage young experts from

academia, research institutions and private practice and to promote the dissemination of multidisciplinary studies relating to the concept of the common heritage of mankind and its multiple implications.

To: Members of the Planning Council
International Ocean Institute

From: Elisabeth Mann Borgese

Date: December 7, 1972

The next meeting of the Planning Council of the International Ocean Institute will take place in Montreal, Canada, from February 5-7, 1973. All participants will be accommodated at the Hotel Martinique, Motor Inn, Guy Street, where the conference will also take place. Please plan to arrive February 4th in the evening.

The International Ocean Institute will pay your air fare, economy class, from your point of origin to Montreal and return. Please let us know whether you wish us to issue an open ticket in advance or whether you prefer to make your own arrangements and have us reimburse you to the extent indicated above.

The main topic for the discussion will be the planning of an interdisciplinary project on the peaceful uses of the Arctic. For this part of the discussions, we shall be joined by members of the Arctic Institute of North America and probably two or three other institutes from other Arctic nations

A detailed provisional agenda will be sent to you in due time.

With all good wishes for the holiday season.

Elisabeth Mann Borgese

PLANNING COUNCIL OF THE INTERNATIONAL OCEAN INSTITUTE

1st Session, Malta - 26 and 30 June 1972

Minutes as approved at Second Session
of Council on Oct. 28, 1972

A. 1st Meeting - Monday, 26th June 1972, 2:00 - 4:15 p.m. at the Royal University of Malta, Msida.

Present: Borg Costanzi, Bruce, Castaneda, Dohrn, Dupuy, Holt, LaQue, Mann Borgese, McAllister, Ritchie-Calder

The session was brought to order by the Rector of the University who announced that the Statutes of IOI had been approved by the University Council on 25th May, 1972, and brought into force through the assent given by the Chancellor on 10 June, 1972. The University Council had agreed on an initial list of the members of the Planning Council, and on the names of eight of these to be considered for rotation (see item 4 below).

The following agenda was adopted:

1. Election of Chairman
2. Minutes of meeting in Split of Continuing Policy Committee for PIM
3. Statutes of IOI
4. Membership of Planning Council
5. Rules of Procedure
6. Program of IOI, (including progress with study projects, follow-up of Split Conference, Preparations for PIM III)
7. Next meetings of Planning Council
8. Any other business.

Item 1. In accordance with a proposal made by the meeting in Split of the PIM Continuing Group for Policy Research, the Council elected as its chairman Mrs. Elisabeth Mann Borgese. Holt acted as Secretary of the meeting.

Item 2. As the Minutes of the Split meeting had not previously been seen by the members, it was agreed that they would, during the Convocation, give to Holt, who had acted as Secretary at Split, texts of any suggested amendments, and that this item would be dealt with at the continuation of the session scheduled for July 3rd. The Chairman reported that as to paragraph 3 the arrangements for a Yugoslav to be nominated as Honorary President of the third PIM Convocation had not been followed through. H.E. Sir Anthony Mamo, the Governor General of Malta had been invited to serve in that capacity and had graciously accepted; he would address the inaugural meeting.

Item 3. The text of the Statutes as now adopted, are essentially in conformity with the proposals of the Split meeting; the quorum for the Board of Trustees had however been retained as "a majority of members" rather than "seven members".

Item 4. The Rector reported that the University Council had decided that in accordance with the Statutes, the following membership would lapse, as from the end of the present financial year (30th September, 1972):

Aleem, Arangio-Ruiz, Jogota, Movahed, Mutuale, Oda, Pollard, Revelle.

It was necessary to designate 8 replacements, any lapsed member being eligible for re-nomination. A nominations subcommittee was established, comprising the Chairman, Holt, and Ritchie-Calder. They would propose to the continuation of the session on July 3rd, eight names, on the basis of suggestions to be made by members during the Convocation, taking into account any active participants in the Convocation.

Item 5. Paragraph 9 of the Statute provides that the Council shall determine its own rules of procedure. It was agreed that for the time being the Council could work effectively without a comprehensive set of rules, relying on the usual procedures for the conduct of meetings.

Rules were needed, however, regarding certain specific questions, as follows:

- a) It should be provided that members who did not attend some specified proportion of the Council's sessions should be included in the list of proposals for lapsing of one-third of the membership, as provided in Paragraph 8 of the Statute.
- b) Notice of a session and a provisional agenda should be circulated at least one month before its opening date.
- c) Insertion of additional items on the agenda would require the agreement of two-thirds of the members present.
- d) Minutes of sessions should be kept and circulated as soon as possible after the close of each session.
- e) Meetings would continue to be conducted as informally as possible, with decisions being reached by consensus. In case of necessity to take decisions on controversial matters, such would require a simple majority of members present and voting.

The Secretary should present appropriate draft rules to the next session of the Council.

Item 6. The Treasurer gave a brief account of the present financial situation (appended). This statement was adopted by the Council.

3000 copies of the Proceedings of PIM I had been printed and 500 copies so far distributed. Advertisements were being placed in "Oceans" Magazine, and the "Center Magazine". It was agreed they should be advertised elsewhere, including in "The Ecologist" and at the Paillot bookshop at Palais des Nations, Geneva. The Chairman reported that a PIM anthology would soon be published in New York.

As to PIM II, the only publications will be Ritchie-Calder's paperback on Mediterranean pollution, (profits from which will accrue to IOI), and the Proceedings, being published in Switzerland.

Holt then outlined the present state of activities of the Institute. Adequate space had just been made available by the University, and the Documentation/Information Center could soon be started, using his personal collection as a nucleus. Some considerable gifts of books had been assured.

With the voluntary assistance of Miss C. Vanderbilt, a start had been made with a directory of international studies on aspects of marine affairs being made or planned in the world. Discussions had been started with the University of Rhode Island with a view to collaborating in a continuing compilation and evaluation of data on trends in ocean uses, new uses, and interactions between uses.

Arrangements had been made for the IOI newsletter to be published at no cost to IOI in "Oceans" Magazine, and off-prints would also be made available for separate distribution. Holt had also accepted membership of the Editorial Advisors Board of a new journal, "Ocean Management" to be published in the Netherlands by Elsevier Co.

The idea of seeking funds for financing a special professional post at the University, the incumbent of which would be Director of the IOI found favour in the Council. Such an arrangement would apparently be acceptable to the University. The funds required would be 30,000 dollars a year for, say, 3 or 5 years initially.

Holt reported on his attendance at the UN Conference on the Human Environment in Stockholm, and referred particularly to the recommendation for a moratorium on whaling. The Council thought this would provide a starting point for further promoting of the concept of "common heritage" in application not only to deep sea minerals, but also the living resources, or at least the widely distributed species of the open ocean. The Council agreed that IOI should now actively take up this matter and work out a project on the alternative forms of managing the living resources, and what steps could be taken towards better international policies and arrangements.

Castaneda and Dupuy were particularly enthusiastic about this; Dupuy offered the assistance of his institute for the legal aspects of the study.

The Chairman reported on cooperation with the University of Santa Clara on the International Sea Service Study and on the other continuing projects. The proposed study of the Caribbean could be advanced at a forthcoming meeting in Mexico, (Spring 1973) and the China Seas study might be associated with a project of the Law of the Sea Institute, Rhode Island, on the South China Sea. For the Caribbean project two likely sources of funds (\$40,000 needed) were being explored.

IBM was very interested in helping follow-up the Mediterranean Study. IOI might join with the Woodrow Wilson Center, Washington, D.C. on a study of a possible nodule mining organization, if 50% of the budget for this could be assured.

Bruce announced that a fund-seeking circular would soon be sent out to a list of several thousand names. These should be accompanied by brochures for the sale of PIM I Proceedings.

Items 7 and 8 were left for a second and third meeting.

B. 2nd meeting - Friday 30th June 1972, 5:30 - 7:00 p.m. at the Corinthia Palace Hotel.

Present: Borg Costanzi, Mann Borgese, Ritchie-Calder, McAllister, LaQue, Revelle, Bruce, Pardo, Holt.

The various members who had been following the Convocation reviewed progress. The interest of IBM in assisting computer modelling for the Mediterranean should be followed up. It was essential that a good report should go from the Convocation to the following Inter-governmental Conference, and also an adequate report to Ford Foundation was needed.

Revelle raised the question of "freedom of research" in the Constitution discussion - it was agreed he and Holt would draft a short proposal referring to PIM II statement on this. Holt was asked also to help with the ISS discussion, and to chair the group dealing with Kaplan's paper. It was understood that Mexico would introduce the tax proposal to the UN Sea-bed Committee. LaQue suggested consideration should eventually be given to abolition of the Council, replacing it by ad hoc working groups responsible to the Board; members are to consider this and offer ideas for increasing efficiency.

C. 3rd meeting - Monday 3rd July 1972, 4:00 - 7:00 p.m. at the Corinthia Palace Hotel.

Present: Ritchie-Calder, Mann Borgese, Borg Costanzi, Brucan, Holt, Bruce, McAllister, LaQue, Pardo, Imerekov, Bovian, Dohrn.

The minutes of the Split meeting were adopted. However, Imerekov said that Rossi's paper was written in a spirit of "cold war", not of PIM, and to be deplored. Mann Borgese replied that there was no censorship of papers submitted, that it was a pity there was no member present in Split from USSR, and invited preparation of another paper on this matter, or a rebuttal of Rossi's ideas.

The Council agreed that the Convocation had been successful, especially regarding Mediterranean Development. The "Constitution" project was the most difficult, and the report on ISS was confused. The "tax" proposal was still rather theoretical, and needed continued study. In future, at least one full day should be allocated for final plenaries. The initial plenaries should be shorter, the panels smaller, and their members less verbose. Strong control from the Chair was essential and in future fewer topics should be discussed. In defense of rather large panels, the Chairman said they brought a geographic balance back into the participation. Panelists should not read their papers, and meetings should always start promptly, aided by a lobby bell and chairman's bell.

There is still a problem of getting representation from developing countries, and other distant ones such as Japan. For this purpose special funds should be sought in future, probably from private sources to supplement the UNDP assistance.

As to publication of the papers of PIM III, it was agreed there should be like PIM I - a proceedings volume, and then the volumes of contributed papers, suitably edited. Holt was asked to rewrite the ISS report for this purpose (including the arguments advanced by Hillyard in the final plenary for a Mediterranean pilot study for oil spill surveillance), and also to work out with Kaplan a revised "fusion" paper.

There was some discussion of "public relations" which were not yet in good shape. It would be good to hire suitable assistance but no funds were available for this.

It was agreed that the University of Santa Clara should continue to develop the ISS project in its general sense, using funds it would raise; IOI should take responsibility for the Mediterranean pilot ISS project, including examination of operational aspects, which might involve FAO as an "agent".

There was then an extensive discussion of the 1973 activities. The Chairman said she originally thought there should be no Convocation in 1973 but had been convinced otherwise by the arguments of participants. Ritchie-Calder suggested a "junior PIM" in 1973; this led to various suggestions for involving young people in PIM. The planned Summer School for high school pupils and teachers would encourage this but the need was to involve University students, undergraduate and graduate, in PIM.

It was eventually decided to have a Convocation of some kind in 1973, with accent on youth (possibly a special project, such as youth and Mediterranean Development) before or after the Summer School, that is in the 1st week of July or the 1st week of September (before or after the Sea-bed Committee). The October session of the Council would be presented with a definite proposal to be worked out by the Chairman with Holt, Ritchie-Calder, and Brucan. The topics for a Convocation should include "living resources as Common heritage", and probably the Caribbean (but some had doubts as to the feasibility of the latter regarding costs of participation of sufficient people from the area, and the schedule of preparatory work. The arguments for and against a "normal" PIM IV in 1973 depended also on whether or not the UN Law of the Sea Conference would be held that year. Several members thought it was essential to publish and distribute the Proceedings of PIM II and PIM III before PIM IV was held.

For a future PIM Convocation a topic might be the impact of technology on ocean use; LaQue was asked to consult his colleagues connected with the "Offshore Technology" conferences.

As to the new members of the Council, it was agreed the Chairman should write to invite the following:

- Perisic (or alternate, Yugoslavia)
- Ui (Japan)
- M'sangi (Tanzania)
- Panikkar (India)
- A Nominee from Libya, or Nsar if no Libyan forthcoming
- Richard on (Jamaica)
- King Gordon (Canada)
- Eatwell (or, failing him, Llewellyn - U.K.)

The Chairman would write to Warren Wooster, who had tentatively been approached, to say that action on his proposed membership would be held pending until it was known whether he would be appointed Secretary of IOC, and if so whether he would wish to be nominated.

Further, Don Kelley would be invited to attend meetings, as Editor of "Oceans", the carrier of the IOI Newsletter, and Bob Abrams (USA) would be invited to participate as "financial consultant".

At the October meeting the second eight members to lapse would be determined, possibly by ballot.

Bruce circulated a memorandum on fund raising. A short discussion of this confirmed the need for all members to assist with this task, and particularly to seek support for specific projects. Holt could assist by compiling descriptions of projects, and issuing a new "brochure" on the IOI. The Rothchilds had offered to help, and McAllister would take the lead in trying to raise the \$150,000 needed for five year funding of a Chair at RUM of International Marine Affairs.

The Secretary-General



Pacem in Maribus

Box 4068

Santa Barbara, California 93103

To: All Planning Council Members
From: Elisabeth Borgese
Date: December 12, 1972

I am enclosing today the Provisional Agenda for the Planning Council meeting in Montreal, February 5-7, 1973.

The major part of this session will be dedicated to the planning for our project on the peaceful uses of the Arctic Basin. A preliminary memorandum outlining the project is enclosed. For this part of the discussion we shall be joined by four members of The Arctic Institute of North America, headed by the Institute's Executive Director, Brigadier H. W. Love. We have also invited one member from each of the following Institutes:

The Scott Polar Research Institute, Cambridge,
England,
The Norsk Polarinstitut, Oslo,
The Arktisk Institut, Copenhagen,
The Research Institute of Arctic Geology,
Leningrad,
The Arctic and Antarctic Research Institute,
Leningrad.

Item (6) on the Agenda for the Planning Council meeting concerns the state of our other study projects. In this connection I am enclosing:

1. An interim report on the Mediterranean project,
2. A document, submitted at the request of the International Development Research Center in Ottawa, on the next phase of the Caribbean project,
3. A first draft of the "Project: Energy." (The contribution of the International Ocean Institute will be concentrated on the interaction between the world ocean system and the world energy system, e.g., the effects of the introduction of new

sources of energy on the environment, on shipping, on the question of boundaries, on ocean institutions.)

4. Material relating to the planning of the project tentatively called "Environment and Disarmament -- Controlling the Dual-Purpose Agent."
 - a. A background paper: "Beyond Peace and War,"
 - b. Tentative list of research topics,
 - c. Some replies to a first round of enquiry.

With regard to this project, too, IOI's contribution should concentrate on the marine facet of this global problem.

Finally, I am enclosing a tentative schedule of IOI activities during the next two years.

Looking forward to seeing you in Montreal, and with my fondest wishes for the holidays and the New Year.

Encls: Provisional Agenda for Planning Council meeting
February 5-7, 1973
Preliminary memorandum outlining the Arctic project
Report on Mediterranean project
Atlantis II project
Project: Energy
List of research topics for "Disarmament and Environmental Policy" project
Copies of letters of reply to first round of enquiry to "Disarmament and Environmental Policy" project
Tentative schedule of IOI activities for next two years

The Secretary-General

Box 4068

Santa Barbara, California 93103



Pacem in Maribus

To: All Members of the Planning Council
International Ocean Institute

From: Elisabeth Mann Borgese

Date: August 29, 1972

Please take note that the next meeting of the Planning Council will take place in Kingston, Jamaica, on October 28, from 3:00 to 6:00 p.m.

Details about accommodations and other technical matters will be sent to you during the next two weeks. I propose the following agenda:

- I. Minutes of the last meeting
- II. Progress report on the I.O.I.
- III. Financial report for the year 1971-72.
- IV. Study projects, 1972-73.
- V. Pacem in Maribus IV.
- VI. Other matters.

A preparatory conference on the peaceful uses of the Caribbean and the Gulf of Mexico will be held in Jamaica on October 26, 27, and the morning of October 28. A draft is enclosed. The project is directed by Ambassador Egerton Richardson of Jamaica, and the conference takes place under the sponsorship of the Government of Jamaica.

INTERNATIONAL OCEAN INSTITUTE

PLANNING COUNCIL

4/30
10/5
no copies ✓
✓ Prof. Anwar Ahmed Aleem
P.O. Box 1011
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✓ ✓ Mr. Enrico Bonomi
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✓ the Prof. E.J. Borg-Costanzi
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Ministry for Foreign Affairs
Sofia, Bulgaria

Family of Foreign Affairs has
Sofia State Univ
Sofia Bulgaria

The Secretary-General



Pacem in Maribus

Box 4068

Santa Barbara, California 93103

To: Members of the Planning Council
International Ocean Institute

From: Elisabeth Mann Borgese

Date: October 5, 1972

As indicated in my communication of August 29, 1972, the next meeting of the Planning Council will take place in Kingston, Jamaica, on October 26-28, 1972.

Five sessions of this meeting will be held jointly with a group of experts on the Caribbean. This will be the Preparatory Conference on the "Caribbean and Gulf Development and Its Impact on the Marine Environment." The Preparatory Conference will be chaired by Ambassador Sir Egerton Richardson of Jamaica, Director of the Project.

The final session, on the afternoon of October 28, will be restricted to Members of the Planning Council and will deal with matters of the International Ocean Institute and Pacem in Maribus.

You will find enclosed:

- (a) a list of the new Planning Council, including the eight new Members elected at the last meeting,
- (b) the agenda for the Planning Council session on October 28th, 3:00 to 6:00 p.m. (This was sent to you previously, in accordance with the provisions of our Statute.)
- (c) a provisional agenda for the Preparatory Conference on the "Caribbean and Gulf Development and Its Impact on the Marine Environment."

As in the past, the International Ocean Institute will pay your air fare, economy class, from your point of origin to Kingston, Jamaica, and return. Please let us know whether you wish us to issue an open ticket in advance or whether you prefer to make your own arrangements and have us reimburse you to the extent indicated above.

October 5, 1972

Pacem in Maribus operates on a stringent budget and will appreciate it if Members can reduce the travel costs by combining this trip with others essential to their professions and attributing apportionately their expenses.

Please let us know at your earliest convenience the time of your arrival in Kingston (you should try to arrive on October 25) and the number of your flight, so that we can arrange to have you met at the airport.

We shall be glad to reserve a room for you at the Courtleigh Manor Hotel from October 25 to 29. The room (single occupancy) plus three meals (table d'hote) will be billed to the Institute. If you wish to bring your spouse, stay longer to enjoy the beauty of the island, or add extras, you are, of course, most welcome, but we would be grateful if you could pay for any extras before leaving the hotel.

All sessions will take place at the hotel.

You will note on the agenda for the Preparatory Conference that the Government of Jamaica has kindly offered a reception for all participants the evening of October 26. Black tie is not required.

We are looking forward to seeing you in Jamaica.

Elbert R. Roper

A G E N D A

Planning Council Meeting
October 28, 1972
3:00 to 6:00 p.m.

- I. Minutes of the last meeting .
- II. Progress report on the I.O.I.
- III. Financial report for the year 1971-72.
- IV. Study projects, 1972-73.
- V. Pacem in Maribus IV.
- VI. Other matters.

First Provisional Agenda

PACEM IN MARIBUS PREPARATORY CONFERENCE

ON

CARIBBEAN AND GULF DEVELOPMENT AND ITS

IMPACT ON THE MARINE ENVIRONMENT

October 26-28, 1972
Kingston, Jamaica

Thursday, October 26

9:30 a.m. - 11:30 a.m.

INTRODUCTION, Ambassador Egerton Richardson,
Project Director and Chairman of the Conference

MORPHOLOGY AND RESOURCE BASE

PAPERS:

"A Geographer's View of the Caribbean," Professor
Norton Ginsburg, Dean of the Academic Program,
Center for the Study of Democratic Institutions,
Santa Barbara, California, and Professor of
Geography, University of Chicago

"The Oil Potential of the Caribbean," Professor
K.O. Emery, Woods Hole Oceanographic Institution,
Woods Hole, Mass.

11:30 a.m. - 11:45 a.m. - Coffee break

11:45 a.m. - 1:00 p.m.

PAPERS:

"The Management of Living Resources in the Carib-
bean and the Gulf of Mexico," Dr. Gilberto
Rodríguez, Instituto Venezolano de Investigaciones
Científicas, Caracas, Venezuela

"Central American Sea-Level Canal: Possible Biolog-
ical Effects," Ira Rubinoff, Smithsonian Tropical
Research Institute, Balboa, Canal Zone

1:00 p.m. - 3:00 p.m. - Lunch

3:00 p.m. - 4:30 p.m.

THE LAND-SEA INTERFACE

PAPERS:

"Water Resources and Hurricane Control in the Caribbean," Luis E. García M., Instituto Geográfico Nacional, Guatemala

"The Impact of Industrial Development," William Demas, Secretary General, CARIFTA, Caribbean Regional Secretariat, Georgetown, Guyana

4:30 p.m. - 4:45 p.m. - Coffee break

4:45 p.m. - 6:00 p.m.

PAPERS:

"Brackish-water Lagoons and Mangrove Forests," G. L. Kesteven, Co-Director, Mexico PNUD FAO, Mexico City

"Tourism," Jamaican speaker, to be determined.

8:00 p.m. - Reception, Ministry of External Affairs, Kingston

Friday, October 27

9:30 a.m. - 11:30 a.m.

PAPERS:

"A Model for Environmental Design," Luis A. Ferrate Felice, Centro Técnico de Evaluación Forestal, Guatemala

"A Historical View of the Geo-political Aspects of the Lines of Communication to and through the Caribbean Sea," Professor Thomas Mathews, Institute of Caribbean Studies, University of Puerto Rico

11:30 a.m. - 11:45 a.m. - Coffee break

11:45 a.m. - 1:00 p.m.

PAPERS:

"Needs and Impacts of Technology Transfer,"
Professor Thomas A. Clingan, Jr., School of
Law, University of Miami

"Research Needs in the Caribbean," Professor
Maximo J. Cerame-Vivas, Director, Department of
Marine Sciences, University of Puerto Rico

"Military Force in the Caribbean," Miguel A.
Rueda Agelvis, Instituto de Altos Estudios de
Defensa Nacional, Caracas, Venezuela

1:00 p.m. - 3:00 p.m. - Lunch

3:00 p.m. - 4:30 p.m.

THE CARIBBEAN AND THE LAW OF THE SEAS

PAPERS:

"The Effects of the Existing Law of the Sea on
Planning for the Development of the Caribbean
Region as an Ecological Unity," L.B. Francis,
Ministry for External Affairs, Jamaica

"Impact of Some Law of the Seas Proposals on
Gulf and Caribbean Ocean Resource Development,"
Professor H. Gary Knight, Law Center, Louisiana
State University

4:30 p.m. - 6:00 p.m.

PAPERS:

Topic to be announced, Dr. Jorge A. Vargas, Consejo
Nacional de Ciencia y Tecnología, México

"The Legal Position of Martinique and Guadeloupe
in the Framework of a Possible Regional Regime,"
Rene Jean Dupuy, Secretary General, Hague Academy
of International Law, Nice, France

Saturday, October 28

9:30 - 11:30 a.m.

NEW APPROACHES TOWARDS REGIONAL RESOURCE MANAGEMENT IN
THE CARIBBEAN

PAPERS:

"The Patrimonial Sea as a Regional Concept,"
Ambassador Jorge Castaneda, Permanent Mission of
Mexico to the United Nations, Geneva

"Applications of the Latin American Sea-bed
Draft Treaty to Ocean Development in the
Caribbean," David Krieger, Center for the Study
of Democratic Institutions, Santa Barbara

11:30 a.m. - 11:45 a.m. - Coffee break

11:45 a.m. - 1:00 p.m.

Topic to be announced, Reynaldo Galindo Pohl,
Permanent Representative of El Salvador to the
United Nations

CONCLUSION