



Chris Newbert

**The Association of Marine Laboratories
of the Caribbean (AMLC):**

**A Source of Scientific Data, Information, and
Resources for the Greater Caribbean**

**Paul W. Sammarco
Executive Director, AMLC**

**Louisiana Universities Marine Consortium – LUMCON
Chauvin, Louisiana
USA**





Overview

- . **A non-profit scientific organization**
- . **Membership - > 30 marine research, education, and resource mgt. institutions**
 - **Each institution gen. assoc. w. other inst.'s or organizations**
- . **Representing ~20 countries**
- . **> 300 individual professional members, Greater Caribbean region**

Founded 1957



Institute of Marine Biology, University of Puerto Rico, La Parguera,
Puerto Rico. "Carite" at dock, "Physalia" just beyond.

Dr. Juan Rivero, First President

Dr. Juan Gonzalez, First Secretary-Treasurer

Inaugural AMLC Meeting – UPR-M



Purpose / Mission

- . **Advance common interest in the marine sciences across the Greater Caribbean**
- . **Assist & initiate cooperative research & education programs**
- . **Exchange of scientific / technical information**
- . **Foster relations among members**
- . **Publish conference proceedings and newsletter**
- * **Cooperate with governments and other organizations**

Scientific Meetings

- **Biennial**
- **Rotated between countries represented by our institutions**
- **Annual Executive Board Meetings, rotated**
- **Publications –**
 - **Conference Abstracts**
 - **Conference Proceedings**

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Biological Abstracts, Zoological Record
y muchos otros / and many others

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Revista de BIOLOGÍA TROPICAL

International Journal of Tropical Biology and Conservation

Memorias de la
30^{va} Reunión Científica de la Asociación de
Laboratorios Marinos del Caribe (AMLC)

Proceedings of
30th Scientific Meeting
of the Association of
Marine Laboratories
of the Caribbean
(AMLC)



La Parguera, Puerto Rico

Jorge Cortés
Editor Científico / Scientific Editor

**Paula González
& Vanessa Nielsen**
Editoras Asistentes / Assistant Editors

SAN JOSÉ, COSTA RICA

AMLC
Conference Proceedings
Revista de Biología Tropical
**Int. Scientific Journal -
Peer-Reviewed**

Barbados Bellairs Research Institute



http://www.google.com/imgres?imgurl=http://www.mcgill.ca/files/researchoffice/BellairsInstitute.jpg&imgrefurl=http://www.mcgill.ca/researchoffice/facilities/offcampus/&usq=__X7_ZiOlzO8fEzlu5z1hx9_rq0Bg=&h=302&w=403&sz=63&hl=en&start=1&itbs=1&tbnid=nlHUxbsx2LLUM:&tbnh=93&tbnw=124&prev=/images%3Fq%3DBellairs%2BResearch%2BInstitute%2BBarbados%26hl%3Den%26sa%3DG%26gbv%3D2%26tbs%3Disch:1



Belize

Glover's Research Station

Bermuda

Bermuda Institute of Ocean Sciences

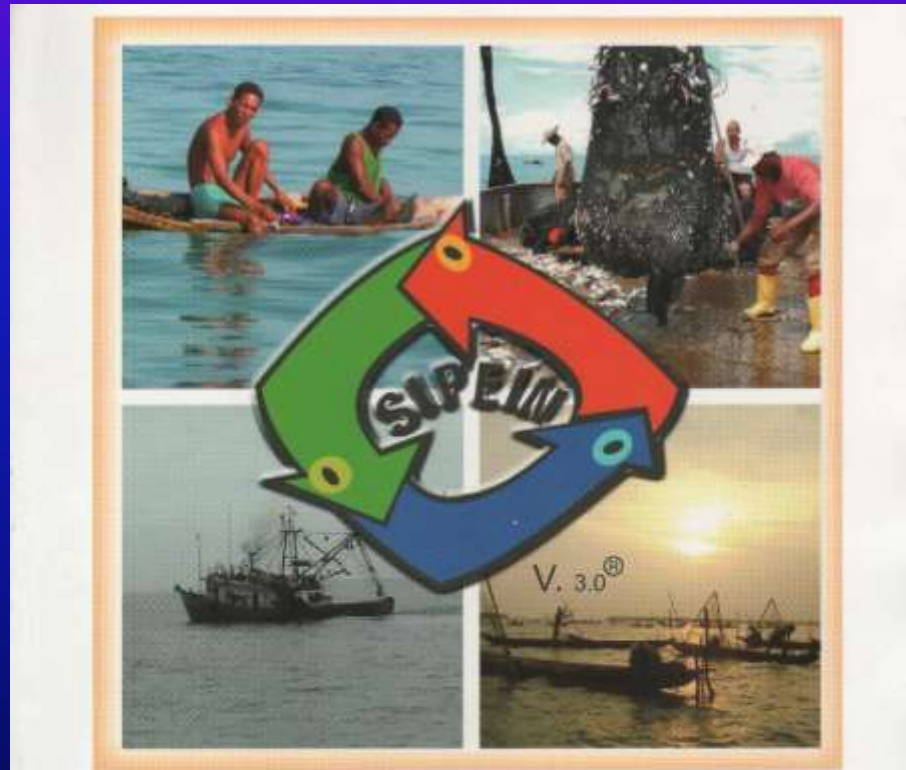


Bermuda Department of Conservation Services



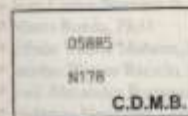
Colombia

Instituto de Investigaciones Marinas y Costeras (INVEMAR)



Manual del Sistema de Información
Pesquera del INVEMAR:

*Una Herramienta para el Diseño
de Sistemas de Manejo Pesquero*



...Sr.

Pesquero

... en sistemas
... A.E.S.



Ministerio de Investigaciónes Científicas y Tecnológicas
"Punto de Encuentro" - "Voces de la Academia"



CIENCIAS
COLOMBIA



INCODER

Commonwealth of Dominica, West Indies

Institute for Tropical Marine Ecology



Costa Rica

Centro de Investigacion en Ciencias del Mar y Limnologia (CIMAR)



Dominican Republic

Centro de Investigacion de Biologia Marina



http://2.bp.blogspot.com/_gppxFhXOKOU/SKwM4jh4zI/AAAAAAAAABZo/P2A9NoIX-ig/s400/7F9EC994-347E-4729-AC33-1D39C71B6D8E_jpg_460_390__CROPz0x460y390.jpeg

Grenada

Marine Biology Program - St. George University



Jamaica

Discovery Bay Marine Laboratory



Port Royal Laboratory





Mexico

**Centro de
Investigaciones
y de
Estudios Avanzados
de IPN -
Unidad Merida**

Netherlands Antilles

Curacao

The CARMABI Foundation



www.versgeperst.com/rubriek/nieuws/page/108

Curacao Sea Aquarium



http://imgpe.trivago.com/uploadimages/48/01/4801399_mx.jpeg

Bonaire

CIEE Research Station



tropical marine ecology & conservation

<http://www.cieebonaire.org/>

Panama

Smithsonian Tropical Research Institute (STRI)



Tupper Center



Galeta Lab

Barro Colorado

Center for Tropical
Paleoecology and Archaeology

Bocas del Toro
Research Station

San Salvador, Bahamas Gerace Research Center



**Centre for the Study of Archaeology, Biology,
and Marine Science**

<http://www.geraceresearchcentre.com/>

Trinidad and Tobago Institute of Marine Affairs



e.g., IMA's Fisheries and Aquaculture Research Program

Turks and Caicos Islands

Center for Marine Resource Studies

School for Field Studies



http://www.fieldstudies.org/pages/115_center_for_marine_resource_studies_turks_caicos.cfm



http://www.fieldstudies.org/pages/5776_sfs_at_work.cfm

USA



**Keys Marine Lab
Florida Inst. Oceanography**

<http://www.keysmarinelab.org/>



**Dept. Marine Sciences
Florida International University**

<http://www2.fiu.edu/~marine/>

CarWASSH **FIU**

An initiative including the participation of 23 Caribbean countries or territories with the common goal of establishing a Long-Term water quality monitoring program for the Caribbean coastal ecosystems.

Southeast Envntl. Research Center, FIU

<http://serc.fiu.edu/carwassh/index.htm>



**Louisiana Universities Marine Consortium
(LUMCON)**

www.lumcon.edu

USA



Mote Marine Laboratory

<http://isurus.mote.org/Keys/research.phtml>



**National Coral Reef Inst.
Nova SE Univ. Oceanogr. Center**

<http://www.nova.edu/ncri/>



The Living Ocean Foundation

<http://www.livingoceansfoundation.org/>



**Rosenstiel Sch. Mar. Atmosph. Sci.
University of Miami**



USA Labs



Bahamas
Perry Institute for Marine Science

http://www.oar.noaa.gov/spotlite/archive/2009/images/lee_stockingIsland.jpg



Dept. Marine Sciences
Univ. Puerto Rico - Mayaguez

new.ulitmatereef.net/.../showthread.php?t=124688



Maclean Marine Science Center
Univ. Virgin Islands - USVI

www.uvi.edu/sites/uvi/pages/CMES-Home.aspx?s=RE



Virgin Islands Env'tl. Resource Station
USVI

www.islands.org/viers/palm%20and%20cabin%203.jpg

Venezuela

Instituto Oceanografico Universidad de Oriente



AMLC

Unique Characteristics

- . Our 33 institutions represent contacts w. much larger institutions – e.g, universities, agencies**
- . Each institution has thousands of connections with researchers in marine science**
 - Current and historical**
 - With extensive experience in the Greater Caribbean**
- . Many disciplines of marine science are represented**

Potential Interactions with the CSC and ASC

- **Available for scientific advice on environmental matters**
 - **within a country or from several countries**
- **Multi-national, multi-lingual, & multi-cultural**
- **Proven performance of participation in coordinated Caribbean-wide research programs**
 - **e.g., CARICOMP**



Acknowledgements

AMLC
Dr. Robin Mahon, CERMES
CERMES
CSC
ASC

Yann Arthus-Bertrand

Personal Long-Term Vision for AMLC

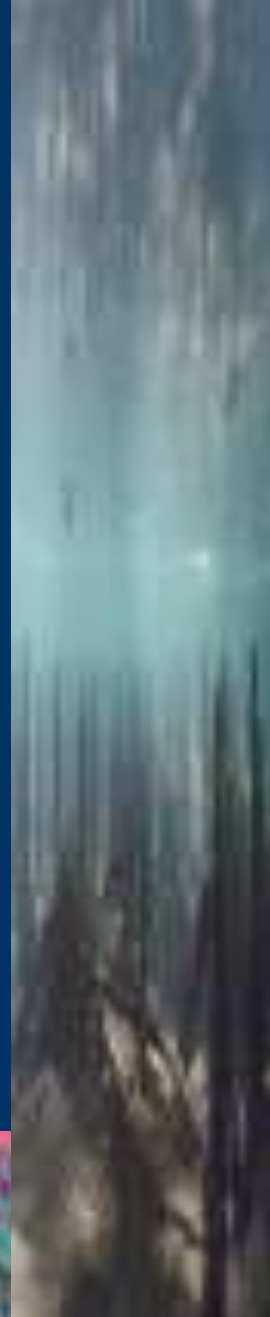
- Capable of assessing large-scale environmental problems that transcend geo-political boundaries
- May eventually be able to identify environmental issues requiring attention by some member countries
- May eventually be able to offer recommendations on how to address such issues
- Multi-national approach
- Unbiased approach, science-based only.
- Currently under discussion and debate

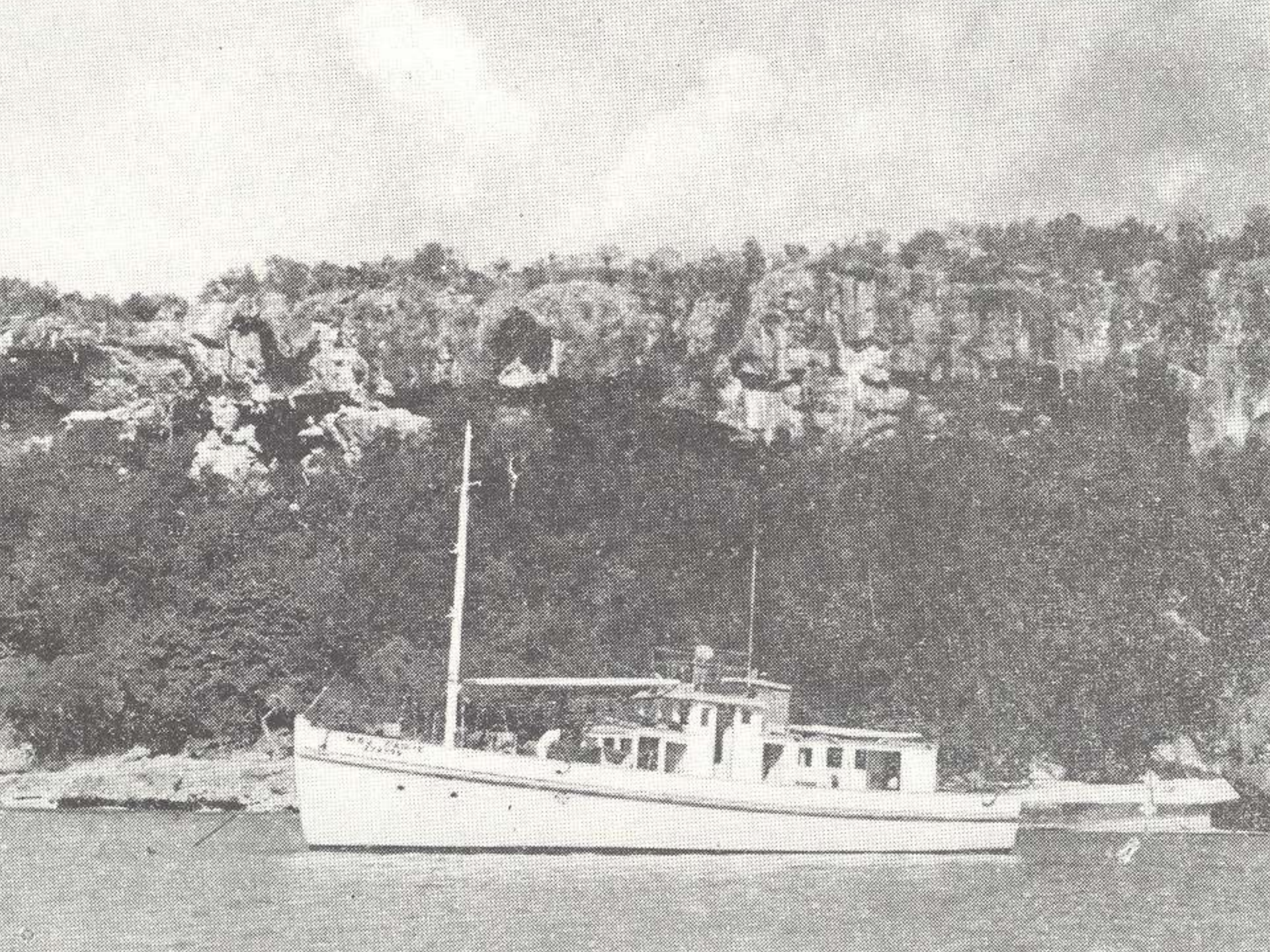
an initiative promoted, coordinated, and
financed
by

The Southeast Environmental Research Center
at Florida International University

with the support of the
Association of Marine Laboratories of the
Caribbean,
the Caribbean Community Climate Change
Center

and the participation of
23 Caribbean countries or territories
with the common goal of
establishing a Long-Term
water quality monitoring program
for
the Caribbean coastal ecosystems.







MAYAGUEZ,



Juan G.
Gonzalez
the 1st
Secretary-
Treasurer
of the
AIMLC
1957-1969

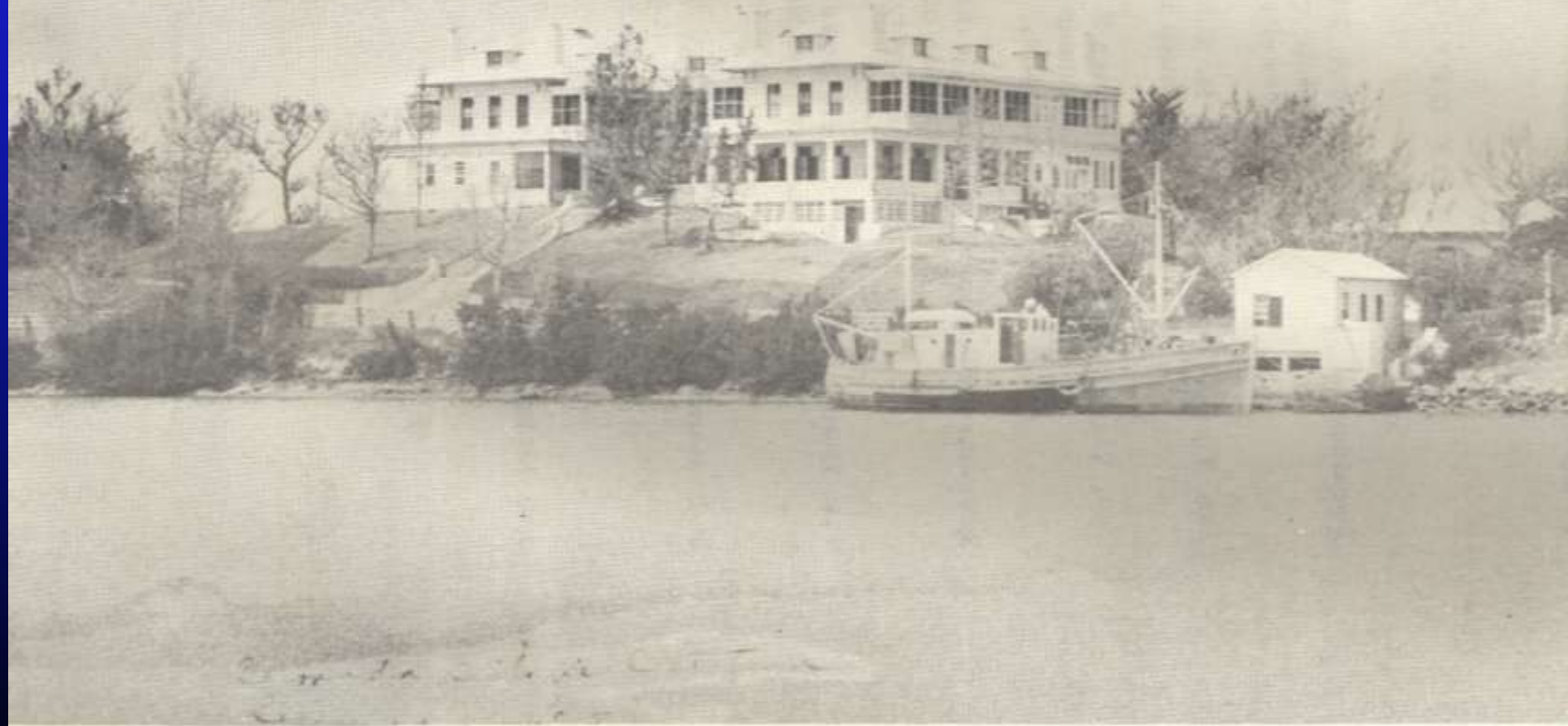


Universidad de Oriente
Santiago de Cuba
(M. Helz Piferer) Biólogo

Universidad de Oriente, Santiago de Cuba, seat of the Marine Laboratory.



Caribbean Marine Biological Laboratory, Piscadera Bay, Curacao, N. A.



Bermuda Biological Station, Bermuda, B. W. L.



Lerner Marine Laboratory, Bimini, Bahama Island.



**LERNER MARINE LABORATORY
BIMINI BAHAMAS BRITISH WEST INDIES**



Estación de Investigaciones Marinas de Margarita, Venezuela; site of the Sixth Meeting of the Association of Island Marine Laboratories of the Caribbean.



Bermuda Biological Station, Bermuda , B. W. L.



- Juan Rivero as a young Professor



Eneida
and
Juan
Rivero
Today

Juan Gonzalez on a Field Trip



Dr. Robert E. Coker



Dr. John B. Lewis, 2007



Dr. Ivan Goodbody



Dr./Sir Jacques S. Zaneveld
(1910-2001) in 1971



Albert E. Parr (1890-1991)





Dr. John E.
“Jack” Randall



Dr. Peter
W. Glynn

AMLC Meeting Dedicated to Dr. Thomas F. Goreau (1924-1970)





Charlene

Long

When she

joined the

AMLC

In 1971



Members of the Association of Island Marine Laboratories pose on the steps of the Biological Station at St. George's West, Bermuda

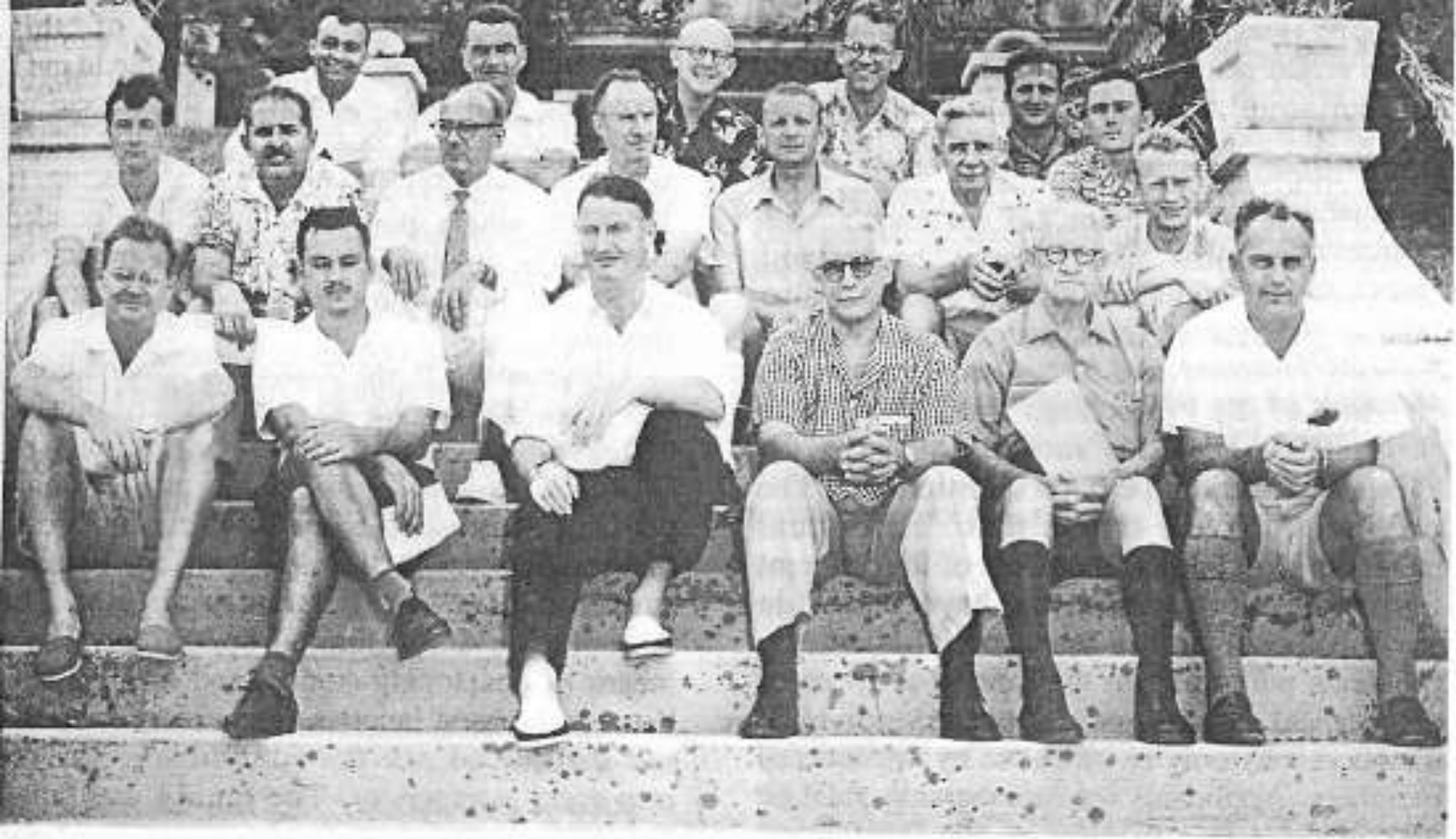
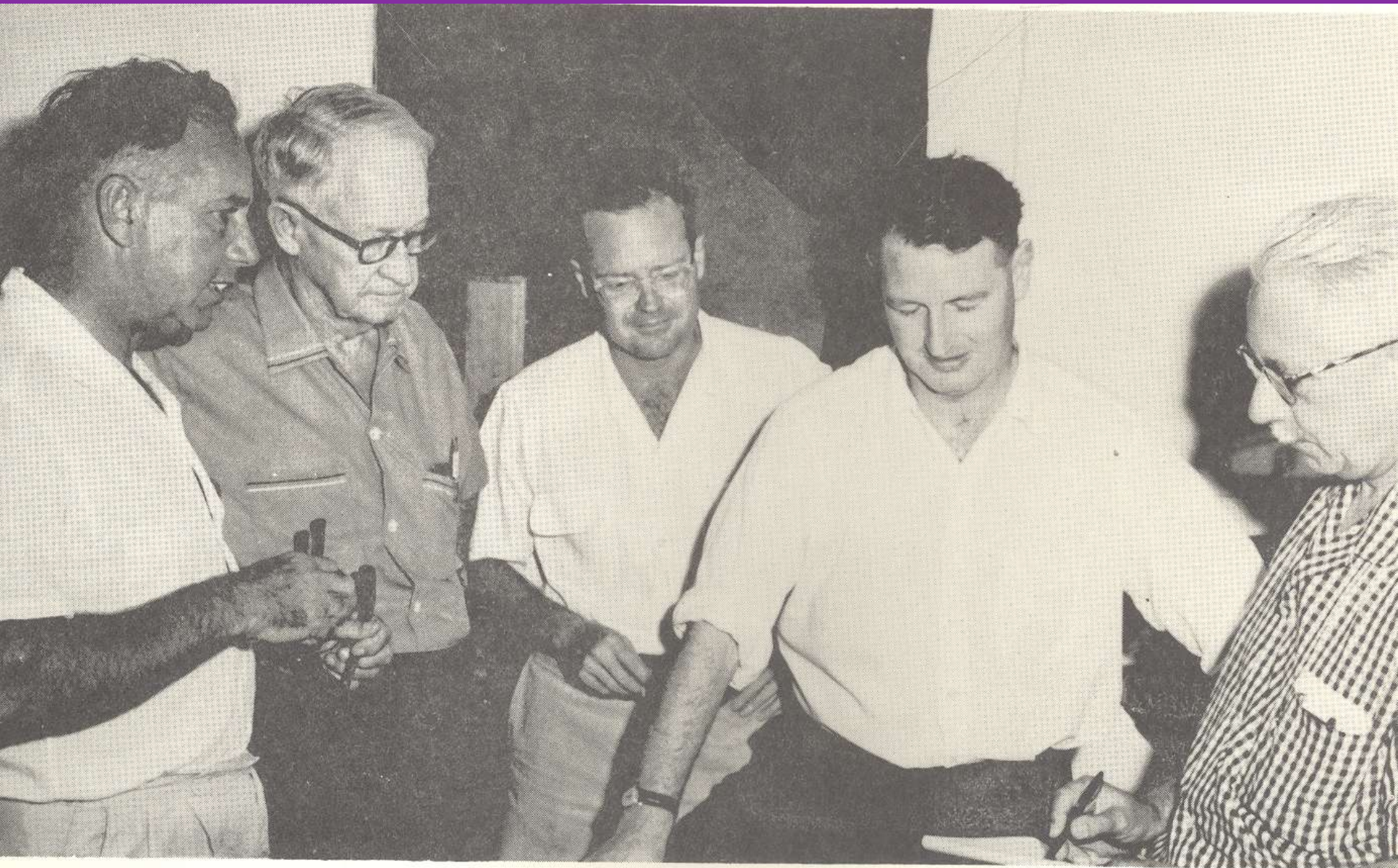


Fig. 2. Participants at the Association's meeting in Bermuda in 1958. Front row left to right: Bill Sutcliffe (Bermuda), Juan Rivero (Puerto Rico), David Steven (Jamaica), Luis Howell Rivero (Cuba), Robert Coker (Puerto Rico), Louis Mowbray (Bermuda); middle row: Ivan Goodbody (Jamaica), José Suarez Caabro (Cuba), Carlos González Núñez (Dominican Republic), Norman Newell (Bimini), Jacques Zaneveld (Curaçao), Colonel William E. Stevens (Bermuda), John Lewis (Barbados); back row: Luis Rivas (Venezuela), Alexandre Ivanov (Bermuda), John Vernberg (U.S.A.), Raymond McCallister (Bermuda), David Menzell (Bermuda), Juan Gonzalez (Puerto Rico).



Members of the A. I. M. L. outline a cooperative project.



SCIENTIFIC GATHERING — Members of the Association of Island Marine Laboratories pose on the steps of the Biological Station yesterday. The scientists, who come from all over the Caribbean area have been holding a series of meetings at the station. Sitting at the left of the front row is the Biological Station's head, Dr. William Sutcliffe. At the right of the front row is Mr. Louis Mowbray curator of the Aquarium.

(Bermuda News Bureau)

EVICTION

Polo had to take time off from his job as chairman of a fair

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Contractors



Los delegados de Puerto Rico a la conferencia de biología marina cambian impresiones con el doctor William Sutcliffe, director de la Estación

Biológica de Bermuda. De izquierda a derecha: doctor R. E. Coker, doctor William Sutcliffe, doctor Juan A. Rivero y Gerardo González.

Dr. Juan A. Rivero

Preside Asociación Laboratorios Marinos

MAYAGUEZ, (por E. Rosado Riera)—El doctor Juan A. Rivero, del Instituto de Biología Marina de la Universidad de Puerto Rico, fue electo presidente de la Asociación de Laboratorios Marinos, en reunión celebrada en Bermuda. Otros miembros de la directiva son: doctor William Sutcliffe, de Bermuda, primer vicepresidente, el doctor Jacques Zanveld, de Curazao; Gerardo González, secretario-tesoro, de Puerto Rico. Otros miembros: doctor Luis Howell Rivero, R. E. Coker, David Steven.

La Asociación de laboratorios Marinos es una organización internacional de carácter científico, cuyos propósitos primordiales son el estudio de los recursos marinos, la vida en el mar en su aspecto científico y el auspicio de proyectos de in-

vestigación sobre ciencias marinas.

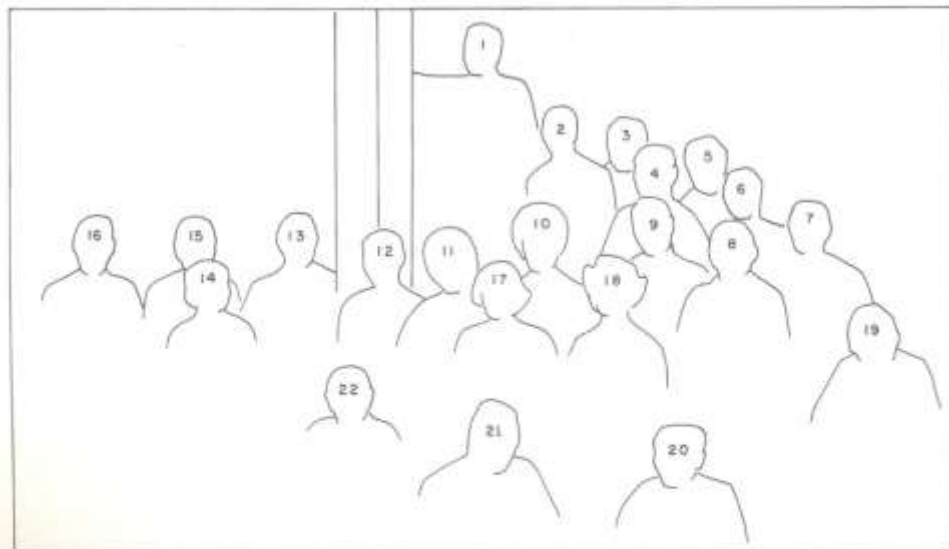
De 18 trabajos ofrecidos a los delegados sobre diversas investigaciones realizadas por los miembros de la entidad, 6, correspondieron a Puerto Rico. Los trabajos mencionados fueron suscritos por Ramón Maguilef, Gerardo González, Juan A. Rivero, y Paul y Lillian Burkholder. Solamente pueden pertenecer a esta Asociación Laboratorios Marinos debidamente reconocidos con sede en islas donde se lleven a cabo trabajos de investigación los siguientes científicos: doctor Luis Rivero y Felipe Martín, de Venezuela; David Menzel, Raymond MacAllister y el coronel Elliot Stevens, de Bermuda; John Vernberg, de Duke; Gerardo González de Puerto Rico; y Alexander Ivanoff, del Museo

de Historia Natural de París.

Los 20 delegados fueron hospedados en la Estación de Investigaciones Biológicas de Bermuda, y su director, el doctor William Sutcliffe y de los señores J. W. Sykes, y William E. S. Zull,



Official representatives and accompanying participants to the Third Meeting of the Association of Island Marine Laboratories.



1. Dr. Juan A. Rivero 2. Dr. Taiso Okuda 3. Mr. Edgar Ramos Seda 4. Dr. Luis Howell Rivero 5. Dr. Ivan Goodbody
 6. Dr. John E. Randall 7. Dr. John R. Beers 8. Dr. Manuel Díaz Piferres 9. Dr. John Olive 10. Mrs. F. St. Clair
 11. Miss M. J. Roede 12. Dr. Fernando Cervigón 13. Dr. Ingvar Kristensen 14. Miss Liesje Ypma 15. Dr. Fryderyk
 Pautech 16. Dr. Franz Weibesahn 17. Mrs. Robert Mathewson 18. Mrs. Germaine L. Warmke 19. Dr. John B. Lewis
 20. Dr. Robert Mathewson 21. Dr. C. R. Robins 22. Mr. P. J. Bermúdez. Not present for the photograph were the
 following: Mr. C. A. Carluzzi, Miss E. Ferraz, Dr. and Mrs. I. J. Hermans, Dr. G. T. Haneveld, Dr. and Mrs. B.
 de Jong, Dr. F. Mago Leccia, Mr. J. A. Luongo, Dr. J. D. Weaver, Mr. P. v. d. Werf and Miss Evelyn Zoppi.

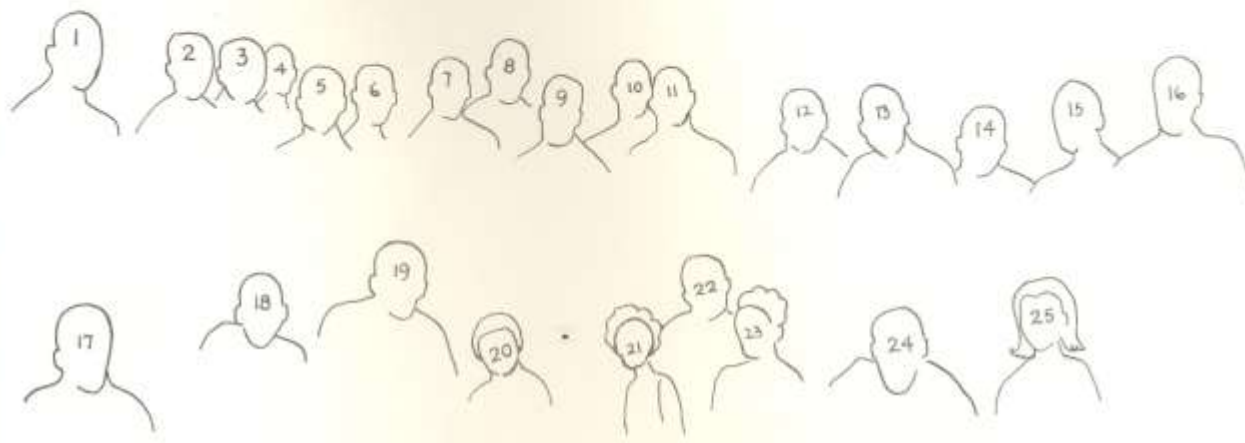


Participants in Fifth Meeting of the Association of Island Marine Laboratories of the Caribbean at Bimini. Standing (left to right): Dr. John M. Arnold, Mrs. Arnold, Mrs. Mathewson, Dr. Ingvar Kristensen, Dr. Fred Mackenzie, Mrs. G. L. Warmke, Dr. Raymond B. Manning, Dr. Carlos M. Vilar Alvarez, Mr. William C. Cummings, Dr. Fernando Cervigón, Dr. James Bohlke, Dr. Peter W. Glynn, Dr. John E. Randall, Dr. Anthony J. Provenzano, Jr., Dr. John R. Beers, Mrs. Lenore Tate, and Dr. Ivan M. Goodbody. Seated or kneeling (left to right): Dr. Walter H. Hodge, Dr. Juan A. Rivero, Dr. Samuel F. Clark, Dr. John B. Lewis, and Dr. Jack T. Spencer. In circular inset above: Dr. Robert F. Mathewson of the Lerner Marine Laboratory and newly elected president of the Association of Island Marine Laboratories of the Caribbean.



View of some of the participants of the Sixth Meeting of the Association of Island Marine Laboratories of the Caribbean

1. John B. Lewis 2. Joseph Jay Ewald 3. C. P. Idyll 4. Dean E. Holt 5. Rafael Antonio Curra 6. Antonio José Villegas 7. Héctor L. Gámez 8. William C. Cummings 9. George A. Seiglie 10. John R. Beers 11. Pedro J. Bermúdez 12. Fernando Cervigón 13. Manuel Puebla 14. Francisco Mago Leccia 15. Luis E. Valdés V. 16. John E. Randall 17. F. Creutzberg 18. Piet Roos 19. Juan G. González 20. Helen Hayes 21. Idelisa Bonnelly de Calventi 22. Donald A. Thomson 23. Sophie Jakowska 24. Gustavo Ascanio 25. Helen A. Randall



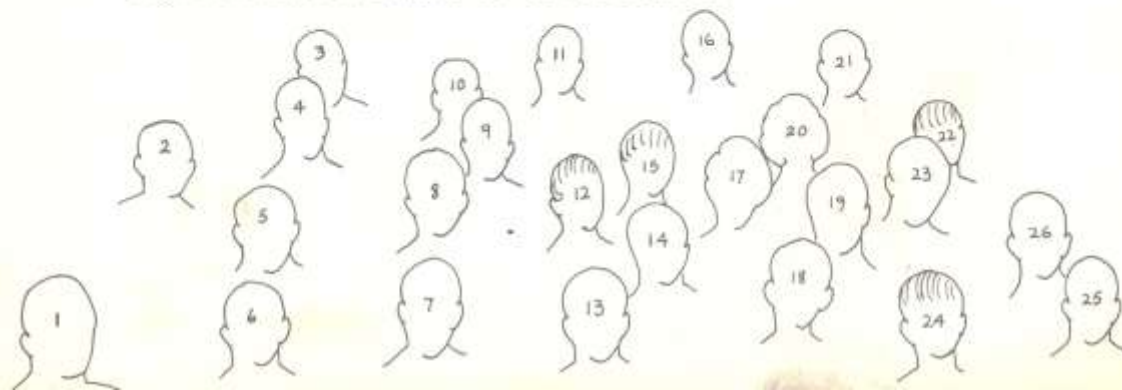


View of some of the participants of the Seventh Meeting of the Association of Island Marine Laboratories of the Caribbean at Barbados, W. I.



View of some of the participants of the Seventh Meeting of the Association of Island Marine Laboratories of the Caribbean at Barbados, W. I.

1. Thomas F. Goreau
2. Neil J. Maloney
3. Warren F. Rathjen
4. Peter Bacon
5. Walton Smith
6. Merton C. Ingham
7. Donald Phelps
8. Frank J. Schwarz
9. Fred Creutzberg
10. Taizo Okuda
11. Meredith Jones
12. Sophie Jakowska
13. Albert Brooks
14. Barry Wade
15. Helen Hayes
16. John H. Wickstead
17. George Warner
18. John B. Lewis
19. John Grahame
20. Joan Marsden
21. David Steven
22. Juanita Y. Spires
23. Ivan M. Goodbody
24. Cynthia Page
25. Manuel Díaz-Piferrer
26. Juan G. González.





Inaugurating the Bert and Lucy Student Achievement Award



R/V Crawford



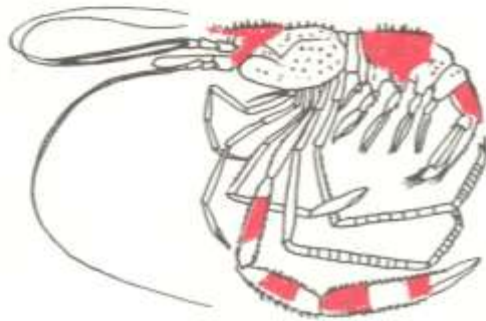


ASSOCIATION OF ISLAND MARINE LABORATORIES

Second Meeting

INTER-ISLAND MARINE BIOLOGICAL CONFERENCE

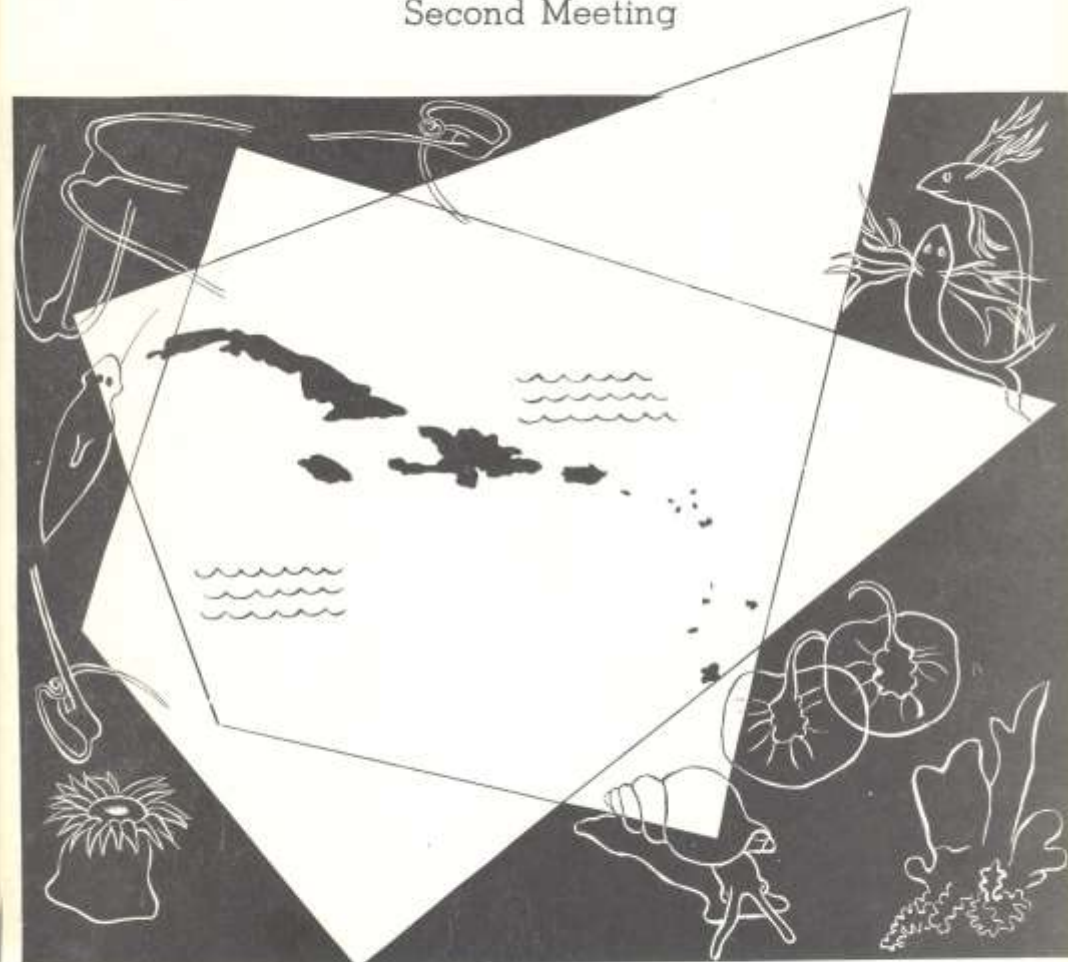
UNIVERSITY OF PUERTO RICO
OFFICE OF NAVAL RESEARCH
LA PARGUERA, PUERTO RICO
MARCH 31 - APRIL 6, 1957



REPORT
BY

INSTITUTE OF MARINE BIOLOGY
COLLEGE OF AGRICULTURE AND MECHANIC ARTS
UNIVERSITY OF PUERTO RICO
MAYAGUEZ, PUERTO RICO

JULY 15, 1957



BERMUDA BIOLOGICAL STATION

BERMUDA, B. W. I

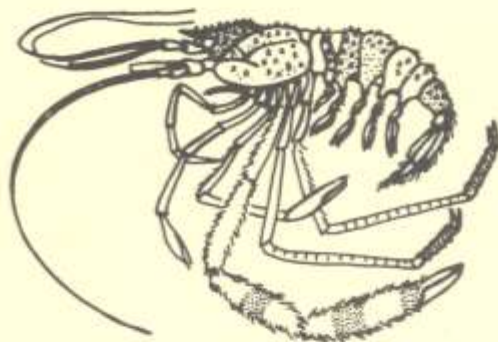
September 17-21, 1958

ASSOCIATION OF ISLAND MARINE LABORATORIES

OF

THE CARIBBEAN

Eighth Meeting



University of the West Indies

Kingston, Jamaica

Aug. 31 to Sept. 4, 1969

Date of publication: March, 1973

**ASSOCIATION OF ISLAND MARINE
LABORATORIES OF THE CARIBBEAN**

SEVENTEENTH MEETING



ROSENSTIEL SCHOOL OF MARINE AND ATMOSPHERIC SCIENCE
UNIVERSITY OF MIAMI

MIAMI, FLORIDA, USA

16-20 MAY 1983

ERNEST H. WILLIAMS — EDITOR

REVISTA DE BIOLOGIA TROPICAL

Publicación de la *Asociación de Laboratorios Marinos del Caribe*
Laboratorio de Biología Marina, Universidad de Costa Rica



UNIVERSIDAD DE COSTA RICA

REVISTA DE BIOLOGIA TROPICAL

MARINE RESEARCH IN THE CARIBBEAN
INVESTIGACION MARINA EN EL CARIBE



MEMORIES OF THE 25TH ANNUAL
AND ANNIVERSARY MEETING,
ASSOCIATION OF MARINE LABORATORIES OF THE CARIBBEAN

MEMORIAS DE LA 25ª REUNION ANUAL
Y DE ANIVERSARIO,
ASOCIACION DE LABORATORIOS MARINOS DEL CARIBE