A DIRECTORY

TO

MARINE LABORATORIES

OF THE

UNITED STATES

AND

CANADA

A DIRECTORY

TO

MARINE LABORATORIES OF THE UNITED STATES AND CANADA

by

Robert W. Hiatt

Contribution No. 4, Hawaii Marine Laboratory

During a recent tour of the coasts of the United States and Southern Canada for the purpose of becoming acquainted with the physical plants, personnel, teaching programs and research projects of the various marine laboratories, I became aware of a need for some published information on these important institutions of marine science in North America. In preparing this directory to the marine laboratories of the United States and Canada I have attempted to set forth in a concise fashion the type of information which should be available to marine scientists for a variety of uses, e.g., exchange of reprints, general correspondence about comparable problems, selection of experienced personnel by administrators, selection of laboratories for research during summers or sabbatical leaves, selection of laboratories offering courses in the marine sciences, and for becoming acquainted generally with the number, types, and programs of the several marine laboratories. Naturally, the first edition of such a project as this will require corrections and additions. No laboratory or member of its professional staff has been omitted intentionally. I hope that such corrections as can be made by users will be sent along to me so that the next edition, should there be sufficient interest to justify it, may contain fewer errors than the present one. No segregation of disciplines has been made, but rather the personnel has been grouped as marine scientists.

The list of laboratories contains many comparatively new ones and omits older ones which have recently been abandoned. Among the laboratories no longer extant are the University of Maine Marine Laboratory, Ellsworth, Maine, the Isles of Shoals Marine Biological Laboratory, Portsmouth, New Hampshire, and the USFWS Fisheries Laboratory, College Park, Maryland. Two laboratories, formerly engaged in marine investigations, have turned their interest to subjects which remove them from a roster of truly marine laboratories. They are the Mount Desert Island Biological Laboratory, Salisbury Cove, Maine, and the Long Island Biological Association Biological Laboratory, Cold Spring Harbor, New York.

The laboratories are listed in alphabetical order, but since many are commonly known by incomplete names, an index to them is included. The persons affiliated with each laboratory in 1949 are listed. For information concerning their respective field of marine science and their current research project refer to the alphabetical list of personnel at the end of the directory.

Information listed for each marine scientist includes his address at a marine laboratory and his permanent address, should it be different, his special field of training, and his current research project if the information was available.

An addendum includes those persons about whom information, for one reason or another, was not included in the alphabetical list.

To the Directors of the laboratories and the scientific staffs who provided me with the information contained in this directory, and who extended their fine hospitality to my wife and myself on our visit to the laboratories, my hearty thanks are due. Special thanks are due to Mrs. Charles Cutress, who typed and assisted with the arrangement of the manuscript.

Robert W. Hiatt, Chairman
Department of Zoology & Entomology
and Director, Hawaii Marine Laboratory

March, 1950
Honolulu, T. H.

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Laboratories

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Personnel

Name of laboratory: The Allan Hancock Foundation for Scientific Research.

Location: University Park, Los Angeles 7, Calif.

Director: Allan Hancock (J. W. Buchanan, Director of Research).

Financial support: Endowment.

Season of operation: All Year.

Function of laboratory: Research.

Capacity for visiting investigators: Limited (write to Director of Research).

Research facilities available: Excellent collections of tropical America fauna for taxonomic study; large library.

Expenses for laboratory accommodations: (write to Director of Research).

Expenses for room and board: Not available.

Staff: Yale Dawson
F. E. Durham
K. O. Emery
John Garth
H. S. Gentry
Olga Hartman
A. C. Howard
Nina Loomis
Dorothy Luhrs
Irene McCulloch
R. C. Osburn

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Name of laboratory: Atlantic Biological Station.

Location: St. Andrews, New Brunswick.

Director: A. W. H. Needler.

Financial support: Fisheries Research Board of Canada.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Very limited (write to Director).

Research facilities available: Standard laboratory equipment for marine biological and oceanographic research; circulating sea water; fishing and research vessels; library.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Aprox. $20.00 per week.

Staff: (see following page).

Staff: L. R. Day
P. F. Elson
H.D. Fisher
H. B. Hachey
C. J. Kerswill
A. H. Leim
R. R. Logie
H. J. MacLellan
W. R. Martin
F. D. McCracken
R. A. McKenzie
J. C. Medcof
G. F. M. Smith
H. C. White
D. G. Wilder

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Name of laboratory: Atlantic Fisheries Experimental Station.

Location: 211 Lower Water St., Halifax, Nova Scotia, Canada.

Director: S. A. Beatty.

Financial support: Dominion Govt. of Canada Parliamentary Grant.

Season of operation: All year.

Function of laboratory: Research almost exclusively.

Courses offered:
General Bacteriological Metabolism (given at Dalhousie University. Staff of laboratory guides graduate work of students at Dalhousie University).

Capacity for visiting investigators: None at present (write to Director).

Research facilities available: Excellently equipped laboratories for research in fishery technology; pilot plants; library.

Expenses for laboratory accommodations: None providing work is done in any field of interest to the Station.

Expenses for room and board: $20.00 per week.

Staff: C. H. Castell
W. J. Dyer
M. A. Foley
W. A. MacCallum
F. A. Vandenheuvel
A. L. Wood

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Name of laboratory: Bears Bluff Laboratories.

Location: Wadmalaw Island, South Carolina.

Director: G. Robert Lunz.

Financial support: State of South Carolina; private funds.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Laboratory space and more common apparatus; motor vessel and skiffs, collecting gear; small library; large experimental ponds.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: No charge for guest houses (write to Director); kitchen available.

Staff: J. C. Green.

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Name of laboratory: Bermuda Biological Station for Research.

Location: St. Georges West, Bermuda.

Director: Louis W. Hutchins.

Financial support: Bermuda Colonial Parliament, Rockefeller Foundation, other grants and endowments.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Several (write to Director).

Research facilities available: Standard laboratory equipment for biological and chemical research; library; motor vessels and skiffs; temperature controlled rooms; circulating sea water. (Investigators should submit list of needs).

Expenses for laboratory accommodations: $75 per month for senior investigators, $25 per month for assistants.

Expenses for room and board: Rooms, $9.00 per person per week; housekeeping apts. and cott. for families from $50.00 to $125.00 per month. Board, $18.00 per week.

Staff: Edwin P. Creaser

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Name of laboratory: Bingham Oceanographic Laboratory.

Location: Yale University, Box 2025 Yale Station, New Haven, Conn.

Director: Daniel Merriman.

Financial support: Yale University; ONR; State of Conn.; other private sources.

Season of operation: All year.

Function of laboratory: Research and teaching (graduate level).

Courses offered: Oceanography
Ichthyology

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Standard laboratory equipment for marine biological research. No vessel or circulating sea water.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Not available.

Staff: G. B. Deevey
J. H. Olson
G. E. Pickford
G. A. Riley
E. F. Thompson

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Name of laboratory: Boothbay Harbor Fishery Laboratory of the USFWS.

Location: Boothbay Harbor, Maine.

Director: John B. Glud.

Financial support: U. S. Gov't.; Maine Dept. of Sea & Shore Fisheries; Fishing Industry funds.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None.

Research facilities available: Standard marine laboratory equipment; circulating sea water; motor boats.

Staff: Leslie Scattergood
Harlan Spear
Richard E. Tiller
Parker Trefethen
Walter Welch

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Name of laboratory: California State Fisheries Laboratory.

Location: Terminal Island, Calif.

Director: Frances N. Clark.

Financial support: Commercial fishing licenses and privilege tax paid by fish processors of Calif.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None.

Staff: R. D. Collyer
D. H. Fry
H. C. Godsil
E. K. Holmberg
J. B. Phillips
W. E. Ripley
P. M. Roedel

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Name of laboratory: Carolina Marine Laboratory of the Woman's College of the University of North Carolina.

Location: Beaufort, N. C.

Director: Archie D. Shaftesbury.

Financial support: Woman's College of the University of North Carolina.

Season of operation: Summer.

Function of laboratory: Teaching.

Courses offered: (write to Director).

Capacity for visiting investigators: None.

Research facilities available: None.

Expenses for laboratory accommodations: None available.

Expenses for room and board: (write to Director).

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Name of laboratory: Chesapeake Bay Institute of the Johns Hopkins University.

Location: 1315 St. Paul Street; Field laboratory - RFD 2, Annapolis, Md.

Director: Donald Pritchard.

Financial support: ONR; States of Maryland and Virginia.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:
- Elementary and Advanced Hydrodynamics
- Elementary and Advanced Physical Oceanography
- Engineering Oceanography
- Descriptive Oceanography
- Chemistry of Sea Water
- Waves and Tides
- Field Work in Physical Oceanography

Capacity for visiting investigators: Two.

Research facilities available: Limited chemical laboratory facilities; office space; laboratory vessel and motor cruiser outfitted for sea going collections and research.

Expenses for laboratory accommodations: Undetermined (write to Director).

Expenses for room and board: Undetermined (write to Director).

Staff: Alfred Armstrong, Wayne V. Burt, Dayton E. Carritt, Horace H. Whaley

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Name of laboratory: Chesapeake Biological Laboratory.

Location: Solomons, Maryland.

Director: R. V. Truitt.

Financial support: State of Maryland; grants for specific projects.

Season of operation: All year.

Function of laboratory: Research almost exclusively (teaching only in summer period).

Courses offered:
- Marine Zoology
- Economic Zoology
- Algae and Diatoms

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Standard laboratory equipment for marine research; motor boats and skiffs; experimental fish ponds; hydrographic equipment.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Board, approx. $2.50 per day; for room information write to Director.

Staff: G. F. Beaven, Coit M. Coker, Alice W. Cronin, L. Eugene Cronin, Harold J. Elser, George F. Kelly, Galen H. Maxfield, Fred W. Sieling, R. D. Van Deusen

Name of laboratory: Coastal Rivers Salmon Research Laboratory of the Oregon Fish Commission Division of Research.

Location: Bay City, Oregon.

Director: D. L. McKernan, Director of Research; John I. Hodges, in charge Bay City Lab.

Financial support: Oregon State general funds.

Season of operation: All year.

Function of laboratory: Research.

Staff: John Brooke
Kenneth Henry

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Name of laboratory: Division of Fish and Game of the Territory of Hawaii Laboratory.

Location: Honolulu, T. H.

Director: Vernon E. Brock.

Financial support: Territorial legislature.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None

Research facilities available: Limited laboratory space and equipment; sea going research vessel well equipped for fishing and hydrographic collecting.

Staff: Yoshio Yamaguchi.

Name of laboratory: Duke University Marine Laboratory.

Location: Beaufort, North Carolina.

Director: Vacant.

Financial support: Duke University; Rockefeller Foundation.

Season of operation: June through August.

Function of laboratory: Teaching and research.

Courses offered:
- Structure and Classification of Algae
- Plant Ecology
- Marine Ecology
- Marine Invertebrate Zoology
- Marine Invertebrate Embryology

Capacity for visiting investigators: Eight.

Research facilities available: Standard laboratory equipment for marine biological research; circulating sea water; small library; herbarium; motor boat; skiffs.

Expenses for laboratory accommodations: $10.00 for first week, $5.00 weekly thereafter for research table.

Expenses for room and board: Room, $17.50 (2 in room) or $25.00 (single); board, $90.00 for six weeks.

Staff: H. L. Blomquist
C. G. Bookhout
I. E. Gray
H. J. Oosting

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Name of laboratory: Gulf Coast Research Laboratory.

Location: Box 336, Ocean Springs, Miss.

Director: R. L. Caylor.

Financial support: State appropriations.

Season of operation: June through August.

Function of laboratory: Teaching and research.

Courses offered:

Marine Zoology	Endocrinology
Taxonomic Botany	Algology
Marine Sedimentation	Parasitology

Capacity for visiting investigators: (write to Director).

Research facilities available: Limited (write to Director).

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: (write to Director).

Staff:

E. H. Behre	J. C. Rice
D. Demaree	Eloise Rowland
Paul Dunn	F. A. Verrelman
John M. Frazier	W. E. Wade
H. J. Jacob	J. F. Walker
Cecil Marion	

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Name of laboratory: Hawaii Marine Laboratory.

Location: Coconut Island, Hawaii.

Director: Robert W. Hiatt, University of Hawaii, Honolulu, T. H.

Financial support: University of Hawaii; private donations.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:

General Ichthyology	Methods of Fishery Investigations
Taxonomy of Marine Invertebrates	Population Dynamics
Ecology of Reef and Shore Fauna	Fisheries Management
	Oceanography
Comparative Invertebrate Physiology	Development of Marine Invertebrates
Physiological Ecology	

Capacity for visiting investigators: Six to twelve.

Research facilities available: Standard laboratory facilities for most types of marine research; motor vessel, skiffs; all types of oceanographic collecting and recording gear; large tidal ponds; circulating sea water in large tanks; library.

Expenses for laboratory accommodations: No charge for approved work.

Expenses for room and board: No charge for room; kitchen facilities provided.

Staff: A. H. Banner
W. A. Gosline
S. C. Hsiao
M. W. de Laubenfels
D. C. Matthews
B. T. Scheer
A. L. Tester

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Name of laboratory: Hopkins Marine Station of Stanford University.

Location: Pacific Grove, Calif.

Director: Lawrence R. Blinks.

Financial support: Timothy Hopkins bequest and Stanford general funds.

Season of operation: All year; teaching June 20-Sept. 1.

Function of laboratory: Teaching and research.

Courses offered:
Physiological Methods
General and Comparative Physiology
General Microbiology
Ecology of Marine Animals.
General Ichthyology
Algology
Invertebrate Zoology

Capacity for visiting investigators: Eight to ten; fewer during summer.

Research facilities available: Standard laboratory equipment for marine research; circulating sea water; library; small skiffs.

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: Not available through the Station.

Staff: Donald Abbott
Rolf L. Bolin
A. C. Giese
J. L. Stokes
C. B. van Niel

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Name of laboratory: The Institute of Marine Science of the University of Texas.

Location: Port Aransas, Texas.

Director: Gordon Gunter (Acting).

Financial support: University of Texas; Texas A & M Research Foundation.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:
Marine Biology
Advanced Marine Biology
Advanced Marine Ivertebrate Zoology
Marine Ecology
Fisheries Biology

Capacity for visiting investigators: Five.

Research facilities available: Standard laboratory equipment for marine biology and physiology; circulating sea water; hydrographic equipment.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Quarters furnished free, kitchen facilities available.

Staff: Joel W. Hedgpeth (on leave) E. H. Powell, Jr.
E. J. Lund

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Name of laboratory: The Lerner Marine Laboratory.

Location: Bimini, Bahamas, B.W.I. Mailing address: Lerner Marine Laboratory, 1105 duPont Building, Miami 32, Florida.

Director: C. M. Breder, Jr. (Amer. Mus. Nat. Hist., Central Park West at 79th St., New York 24, N. Y.).

Financial support: Endowment.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Limited amount of standard equipment for biological research (workers should submit a list of their needs); circulating sea water; aquaria and outdoor pools; small library; skiffs and field collecting gear.

Expenses for laboratory accommodations. No charge for approved applicants.

Expenses for room and board: No charge for approved applicants.

Staff: John C. Armstrong
Francesca R. LaMonte
John T. Nichols
Priscilla Rasquin

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Name of laboratory: Louisiana State University Marine Biological Laboratory.

Location: Grand Isle, La.

Director: Harry J. Bennett.

Financial support: Louisiana State University.

Season of operation: June through July.

Function of laboratory: Teaching.

Courses offered:
Marine Biology
Special Problems Courses

Capacity for visiting investigators: One or two during summer.

Research facilities available: None.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: No charge for housing; meals cost approx. $1.25 per day.

Staff: H. Bruce Boudreaux

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Name of laboratory: Maine Department of Sea and Shore Fisheries, Fisheries Laboratory.

Location: Boothbay Harbor, Maine.

Director: Clyde C. Taylor.

Financial support: Marine gasoline tax; special legislative funds.

Season of operation: All year,

Function of laboratory: Research almost exclusively.

Courses offered: Occasional graduate students are sent here by universities for directed research.

Capacity for visiting investigators: Two.

Research facilities available: Standard laboratory equipment; circulating sea water; rearing tanks; motor boat with collecting gear. Any special equipment must be furnished by the investigator.

Expenses for laboratory accommodations: None if work is approved by Maine Dept. of Sea & Shore Fisheries.

Expenses for room and board: Not available.

Staff: Frederick J. Baird
Richard Davey
Philip Goggins
Donald J. Harriman

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Name of laboratory: Marine Biological Laboratory.

Location: Woods Hole, Mass.

Director: Charles Packard

Financial support: Endowment; fees, cooperating universities.

Season of operation: All year; teaching in summers only.

Function of laboratory: Teaching and research.

Courses offered:
Embryology
Physiology
Marine Botany
Invertebrate Zoology

Capacity for visiting investigators: 375 investigators and their assistants.

Research facilities available: Excellently equipped laboratory rooms for all types of marine biological research; extensive library; collecting service.

Expenses for laboratory accommodations: Based on the summer period of three months, the following accommodations are available upon application to the Director:

Research rooms (Brick Building and Old Main)
Single investigator, $175 to $210.
Two or three investigators, $225 to $300.
Over three in one room, $50 each.
For each paid technician, $50.
For each unpaid technician, $25.

Research rooms (Rockefeller Building and Old Lecture Hall)
Depending on size of room, $100 to $150.

General research laboratories (for young investigators under direct supervision of senior investigators)
Table fee, $60.

Reading desks (Library)
$15.00 for the first week, $5.00 per week thereafter.

Expenses for room and board: The following are based on weekly rates:

Dormitory rooms
Two or more persons in a room, $4.00 for a cot, $5.00 for a bed.
Rooms for mixed groups, $10.00 to $16.00, depending on number of persons and the building.

Board
$14.00 at the General Mess.

Staff: No permanent staff at the Laboratory. One year around project, supported by outside funds, conducted by Dr. Albert Szent-Gyorgyi.

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Name of laboratory: Marine Biological Laboratory of the Florida State University.

Location: Alligator Harbor; P.O. address, Tallahassee, Florida.

Director: Harold J. Humm.

Financial support: Florida State University.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:

- Survey in Marine Biology (only undergraduate course)
- Animal Ecology
- Marine Algae
- Plankton
- Invertebrate Zoology
- Parasites of Marine Animals
- Plant Ecology of the Gulf Coast
- Ecology of Coastal Birds
- Biology of Fishes
- Oceanography

Capacity for visiting investigators: Eight.

Research facilities available: Well equipped laboratories and cubicles in new building for biological research; motor boats; shop.

Expenses for laboratory accommodations: No charge for approved work.

Expenses for room and board: Residential building and cooking facilities at laboratory; charges not determined (write to Director).

Staff: Irene Bolick, Ezda Deviney, Herman Kurz, Henry Stephenson

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Name of laboratory: Marine Biological Laboratory of the USFWS.

Location: Milford, Conn.

Director: Victor L. Loosanoff.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Excellently equipped laboratory with all standard facilities, including circulating warm sea water in the winter time; large tidal ponds; two motor vessels.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Not available.

Staff: H. C. Davis
W. S. Miller
C. A. Nomejko
P. B. Smith

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Name of laboratory: Marine Fisheries Investigation of the Oregon Fish Commission Division of Research.

Location: Astoria, Oregon

Director: D. L. McKernan, Director of Research; G. Y. Harry, in charge Astoria Lab.

Financial support: Oregon State general fund.

Season of operation: All year.

Function of laboratory: Research.

Staff: J. van Hyning
Sigurd J. Westrheim

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Name of laboratory: Narragansett Marine Laboratory.

Location: Kingston, Rhode Island.

Director: Charles J. Fish.

Financial support: State of Rhode Island; ONR; USFWS.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:
Methods of Fisheries Research
Plankton Biology
Introduction to Oceanography
Principles of Taxonomy
Marine Algology

Capacity for visiting investigators: Four.

Research facilities available: Standard laboratory equipment for marine research; motor vessel; circulating sea water.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Not available.

Staff: Marie P. Fish
Elmer A. Palmatier
David M. Pratt
Richard D. Wood
Donald J. Zinn

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Name of laboratory: Oregon Institute of Marine Biology.

Location: Charleston, Oregon.

Director: F. A. Gilfillan; (Ivan Pratt, Resident Manager).

Financial support: State funds.

Season of operation: June 20 to August 12.

Function of laboratory: Teaching and research.

Courses offered:
Taxonomy and Morphology of Marine Algae
Systematic Botany
Marine Ecology
Field Zoology
Invertebrate Zoology

Capacity for visiting investigators: Five or six.

Research facilities available: Some equipment available but must be arranged for in advance; circulating sea water; named collections; library.

Expenses for laboratory accommodations: $10.00 for use of research table for eight weeks.

Expenses for room and board: Approximately $114.50 for eight weeks; family space limited (write to Director).

Staff: James A. Macnab
Harry K. Phinney
Ivan Pratt

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Name of laboratory: Pacific Biological Station.

Location: Nanaimo, British Columbia, Canada.

Director: J. L. Hart.

Financial support: Fisheries Research Board of Canada.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Excellently equipped marine laboratory; motor vessels and collecting gear; library; circulating sea water.

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: (write to Director).

Staff:
J. R. Brett
T. H. Butler
W. H. Cameron
R. E. Foerster
J. S. T. Gibson
J. L. Hart
J. G. Hunter
K. S. Ketchen
J. A. Lanigan
J. A. McConnell
V. A. McMahon
R. G. McMynn
Ferris Neave
D. N. Outram
J. M. Partlo
G. C. Pike
J. G. Robertson
J. C. Stevenson
F. H. C. Taylor
J. P. Tully
F. C. Withler

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Name of laboratory: Pacific Fisheries Experimental Station.

Location: 898 Richards St., Vancouver, B. C.

Director: Neal M. Carter.

Financial support: Dominion Govt. of Canada Parliamentary Grant.

Season of operation: All year.

Function of laboratory: Research almost exclusively.

Courses offered:

A. Special courses arranged at request of Dominion Dept. of Fisheries for new field personnel (in groups, once every year or two).

B. A few lectures and laboratory demonstrations to certain Fishery Technology students at Univ. of British Columbia.

Capacity for visiting investigators: Almost none (write to Director).

Research facilities available: Several well equipped laboratories, canning, smoking, and refrigeration pilot plants; library.

Staff:
B. E. Bailey
N. E. Cooke
J. S. M. Harrison
A. W. Lantz
S. W. Roach
P. J. Schmidt
B. Southcott
L. A. Swain
H. L. A. Tarr
O. C. Young

Name of laboratory: Pacific Marine Station.

Location: Dillon Beach, Calif.

Director: Alden E. Noble.

Financial support: Endowment and student fees.

Season of operation: All year; teaching during summer.

Function of laboratory: Teaching and research.

Courses offered:

Protozoology	Invertebrate Zoology
Parasitology	Experimental Embryology
Advanced Invertebrate Zoology	Marine Algology
Animal Ecology	Animal Taxonomy
Marine Biology	Biological Oceanography

Capacity for visiting investigators: Eight.

Research facilities available: Standard laboratory equipment; circulating sea water; motor boats; small museum; small library.

Expenses for laboratory accommodations: Approx. $5.00 per week.

Expenses for room and board: $15 to $25 per summer session for room; community mess approx. $6 per week.

Staff:

J. W. Hedgpeth	Earl H. Myers
J. E. Lynch	R. A. Moore
Robert Menzies	E. E. Stanford

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Name of laboratory: Pacific Oceanic Fishery Investigations Laboratory.

Location: University of Hawaii, Honolulu, T. H.

Director: O. E. Sette.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research almost exclusively.

Courses offered: Senior staff members participate in graduate research seminars and guide thesis research in the University Department of Zoology and Entomology.

Capacity for visiting investigators: Some (write to Director).

Research facilities available: Excellently equipped laboratories for biological, chemical, and physical oceanography, fishery technology; low temperature rooms; three sea going fishing and research vessels; library; collection of pelagic fishes.

Expenses for laboratory accommodations: None if work is approved.

Expenses for room and board: Not available.

Staff: Charles Butler
Carl Carlson
Frederick Cleaver
Townsend Cromwell
William Hoyer
Frederick June
Joseph King
David Miyauchi
Harvey Moore
John Reintjes
Bill Shimada
Wilvan Van Campen

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Name of laboratory: Pomona College Biological Laboratory.

Location: Now held at Wm. G. Kerckhoff Marine Laboratory by lease arrangement.

Director: W. E. Pequegnot, Pomona College, Claremont, Calif.

Financial support: General funds of Pomona College.

Season of operation: Summer.

Function of laboratory: Teaching.

Courses offered:
General Zoology
Marine Zoology
Marine Invertebrates
Marine Vertebrates

Capacity for visiting investigators: None.

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Name of laboratory: Rutgers University Marine Laboratory.

Location: Cape May, New Jersey.

Director: Thurlow C. Nelson.

Financial support: Rutgers University.

Season of operation: Summer.

Function of laboratory: Research.

Capacity for visiting investigators: (write to Director).

Research facilities available: (write to Director).

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: (write to Director).

Name of laboratory: The Scripps Institution of Oceanography of the University of California.

Location: La Jolla, Calif.

Director: Carl Eckart.

Financial support: University of California, ONR, Sardine Fishing Industry, other outside grants.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:

Introduction to Physical Oceanography	Waves
Submarine Geology	Tides
Biology of the Sea	Marine Meteorology
Chemistry of Sea Water	Marine Geology
Marine Vertebrates	Chemical Oceanography
Principles of Underwater Sound	Marine Microbiology
Chemical Methods	Marine Botany
Statistics	Marine Invertebrates
Physical Oceanography	Marine Biochemistry
	Ichthyology

Capacity for visiting investigators: Space available (write to Director).

Research facilities available: Excellently equipped laboratories for all phases of oceanographic science; several sea going research ships, fully equipped for oceanographic research; library; museum; circulating sea water; machine shop.

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: (write to Director).

Staff:

Robert S. Arthur	G. F. McEwen
D. Carrot	John L. McHugh
J. D. Cochrane	Walter Munk
Wesley Coe	Fred B. Phleger, Jr.
Gifford C. Ewing	Norris W. Rakestraw
Dennis L. Fox	Roger R. Revelle
J. Frautschy	Marston C. Sargent
Carl L. Hubbs	Francis P. Shepard
Douglas L. Inman	Warren C. Thompson
John Isaacs	Claude Zobell
Martin W. Johnson	
J. Ludwig	

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Name of laboratory: Shellfish Studies Laboratory of the Oregon Fish Commission Division of Research.

Location: Newport, Oregon

Director: D. L. McKernan, Dir. of Res.; Roger Tollefson, in charge Newport Lab.

Financial support: Oregon State general fund.

Season of operation: All year.

Function of laboratory: Research.

Staff: Lowell D. Marriage
Donald Twohy

- -

Name of laboratory: Sister Lake Marine Laboratory.

Location: Box 65, Houma, La.

Director: H. Malcolm Owen.

Financial support: State funds.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None.

Research facilities available: Well equipped for studies on marine physiology and ecology.

Staff: E. J. Broda
W. L. Rhiel
W. H. Tolbert
L. L. Walters

- -

Name of laboratory: South Pacific Fishery Investigations.

Location: 450-B Jordan Hall, Stanford, Calif.
Field station at Point Loma, San Diego (address USFWS, c/o Scripps Institution of Oceanography, La Jolla, Calif.).

Director: John C. Marr.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None.

Staff:

At Stanford

Howard H. Ecklos
Frances E. Felin
O. L. Wallis
Theodore M. Widrig

At Point Loma

Elbert H. Ahlstrom
Margaret M. Calderwood
Robert Counts
David Kramer
James Thrailkill

- -

Name of laboratory: Southern Coastal Salmon and Striped Bass Investigations of the Oregon Fish Commission Division of Research.

Location: Coos Bay, Oregon.

Director: D. L. McKernan, Dir. of Res.; John I. Hodges, in charge Coos Bay Lab.

Financial support: Oregon State general funds.

Season of operation: All year.

Function of laboratory: Research.

Staff: Ray Morgan
Robert Rulifson

- -

Name of laboratory: Texas A & M Research Foundation.

Location: Grand Isle, La.

Director: J. G. Mackin.

Financial support: Texas A & M Research Foundation.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None.

Research facilities available: Excellently equipped laboratories for physiological, chemical and biological research; several motor vessels; one amphibious airplane; hydrographic equipment.

Staff: J. D. Ballard
J. L. Boswell
Jack Clark
John Dietrich
Joseph Prokop
E. Shräder
D. W. Wray

Name of laboratory: Texas Game, Fish and Oyster Commission Marine Laboratory.

Location: Rockport, Texas.

Director: J. L. Baughman.

Financial support: Texas State Fish and Game fund.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Two or three.

Research facilities available: Limited laboratory equipment for marine biological research; circulating sea water; power boats and skiffs; small library; floating laboratory.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: Not available.

Staff: A. W. Anderson, Jr.
B. B. Baker, Jr.
F. M. Daugherty, Jr.
Dewey Miles

- -

Name of laboratory: USFWS Gulf Investigations.

Location: City Pier, Sarasota, Florida.

Director: William W. Anderson.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Chemical and culture laboratory with standard equipment; motor vessel and hydrographic gear.

Expenses for room and board: Not available.

Staff: John M. Arnison

Name of laboratory: U. S. Fisheries Laboratory.

Location: Woods Hole, Mass.

Director: Paul S. Galtsoff.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Six to ten.

Research facilities available: Standard laboratory and field equipment for marine research; circulating sea water; 180 foot vessel (Albatross III).

Expenses for laboratory accommodations: No fee.

Expenses for room and board: In Woods Hole, room approx. $7-12 per week; board at MBL about $14.50 per week.

Staff: Edgar L. Arnold, Jr.
Raymond J. Buller
J. B. Colton
William F. Royce
Leslie Scattergood
Howard A. Shuck

- -

Name of laboratory: U. S. Fisheries Laboratory.

Location: P.O. Box 1826, Pensacola, Florida.

Director: Philip A. Butler.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Five.

Research facilities available: Standard laboratory equipment for marine biology and physiology; circulating sea water; skiffs.

Expenses for laboratory accommodations: Nominal (write to Director).

Expenses for room and board: Single rooms available at nominal rates which include the use of laboratory space.

Staff: John R. Wiggins.

Name of laboratory: U. S. Fisheries Laboratory.

Location: Beaufort, North Carolina.

Director: C. E. Atkinson.

Financial support: USFWS; AEC.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Extensive (write to Director).

Research facilities available: Standard biological and chemical laboratories; circulating sea water; outside concrete ponds; motor vessels; skiffs.

Expenses for laboratory accommodations: No charge.

Expenses for room and board: No charge for room; meals obtained outside laboratory.

Staff: W. A. Chipman.

- -

Name of laboratory: University of Miami Marine Laboratory.

Location: Coral Gables, Florida.

Director: F. G. Walton Smith.

Financial support: Univ. of Miami, Florida State Board of Conservation, U.S. Government, West Indian Governments, Industrial Organizations.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:

- Marine Zoology
- Marine Botany
- Marine and Freshwater Plankton
- Invertebrate Embryology
- Ichthyology
- General Oceanography
- Fisheries Practice and Technology
- Biochemistry of Marine Organisms
- Taxonomy of Marine Invertebrates
- Phycology
- Marine Ecology
- Fisheries Biology and Management
- Chemical Oceanography
- Physiology of Marine Organisms
- Systematic Ichthyology

Capacity for visiting investigators: Limited (write to Director).

Research facilities available: Standard instruments for oceanography, fisheries and marine biology; two motor vessels and floating laboratory; named collections; library.

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: (write to Director of Housing, University of Miami, Coral Gables, Florida).

Staff: Fred W. Davis
Herman Doochin
Clarence P. Idyll
Robert M. Ingle
M. Jones
Ernest S. Reynolds
Luis R. Rivas
John W. Sutton
James Q. Tierney
Robert H. Williams

- -

Name of laboratory: University of North Carolina Institute of Fisheries Research.

Location: Morehead City, N. C.

Director: William A. Ellison, Jr.

Financial support: The Knapp Foundation; State funds.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: (write to Director).

Research facilities available: Standard equipment for oceanography, fisheries and marine biology; motor vessel; circulating sea water; library.

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: (write to Director).

Staff: Alfred C. Broad
Alphonse F. Chestnut
Eugene W. Roelofs
Harden F. Taylor

- -

Name of laboratory: University of Washington Oceanographic Laboratories.

Location: University of Washington, Seattle, and Friday Harbor, Wash.

Director: Thomas G. Thompson.

Financial support: University of Washington.

Season of operation: All year (Teaching at Friday Harbor in the summer).

Function of laboratory: Teaching and research.

Courses offered:
Chemical Oceanography
Problems in Fisheries Biology
Advanced Invertebrate Embryology
Advanced Invertebrate Zoology
Marine Microbiology
General Oceanography

[illegible]

Capacity for visiting investigators: Approx. twenty-four.

Research facilities available: Well-equipped laboratory and field apparatus for marine research; circulating sea water; large library; research vessel; skiffs.

Expenses for laboratory accommodations: $45.00 per quarter for a laboratory table; small, private laboratories, $60.00 per quarter.

Expenses for room and board: No organized room and board in Seattle. At Friday Harbor family cabins are $40.00 to $60.00 per month; rooms for single persons approximately $20.00 per season. Board, $12.50 per week.

Staff:
- Clifford A. Barnes
- L. G. Barth
- Phil E. Church
- W. A. Clemens
- Allan C. DeLacy
- Robert L. Fernald
- J. Hoover Mackin
- Arthur W. Martin
- Erling J. Ordal
- Dixie Lee Ray
- Rex J. Robinson
- Emery F. Swan
- Clinton L. Utterback
- Arthur H. Whiteley
- Dora P. Henry
- Victor Scheffer

- -

Name of laboratory: University of Washington School of Fisheries.

Location: Univ. of Washington, Seattle 5, Wash.

Director: Richard Van Cleve (Acting).

Financial support: State of Washington.

Season of operation: September to June.

Function of laboratory: Teaching and research.

Courses offered:
- Early Life History of Fish
- Ecology of Fishes
- Propagation and Nutrition of Fish
- Fisheries Technology
- By-products Utilization
- Aquatic Invertebrates of Commercial Importance
- Anatomy, Physiology and Phylogeny of Fishes
- Fish Taxonomy
- Population Dynamics of Fishes

Capacity for visiting investigators: (write to Acting Director).

Research facilities available: Standard laboratory equipment for all types of marine biological study; cold storage and pilot plant equipment for technological research; circulating sea water with temperature control; research vessel; rearing ponds.

Expenses for laboratory accommodations: (write to Acting Director).

Expenses for room and board: Not available.

Staff: A. C. DeLacy
L. R. Donaldson
W. H. Hastings
J. E. Lynch
A. D. Welander

- -

Name of laboratory: Virginia Fisheries Laboratory.

Location: Gloucester Point, Virginia.

Director: Nelson Marshall.

Financial support: College of William and Mary; State of Virginia.

Season of operation: All year.

Function of laboratory: Teaching and research.

Courses offered:
Fisheries Biology
Biology of Fishes
Marine and Freshwater Invertebrates
Hydrobiology
Chemical and Physical Oceanography
(all courses sponsored by College of William and Mary)

Capacity for visiting investigators: Six.

Research facilities available: Standard laboratory equipment for marine research; circulating sea water; constant temperature chamber; motor vessels for hydrographic and biological research.

Expenses for laboratory accommodations: No charge for approved research.

Expenses for room and board: Dormitory bed at laboratory for $3.50 per week. For information on board write to Director.

Staff: Jay D. Andrews
A. R. Armstrong
Dexter Haven
William H. Mossman
Willard A. Van Engel

- -

Name of laboratory: Walla Walla College Biological Station.

Location: Anacortes, Washington.

Director: Ernest S. Booth.

Financial support: Walla Walla College and School of Tropical and Preventive Medicine, Loma Linda, California.

Season of operation: June through August.

Function of laboratory: Teaching and research.

Courses offered:

Ichthyology	Botany
Limnology	Fisheries Biology
Marine Invertebrate Zoology	Ecology

Capacity for visiting investigators: Six to ten.

Research facilities available: Standard laboratory equipment; motor boats and collecting equipment; small museum; small library.

Expenses for laboratory accommodations: $62 for six weeks.

Expenses for room and board: Board, $11 per week; room, $3 per week.

Staff: Laurence M. Ashley, Elwood R. Booth, Beatrice I. Emery, Bruce W. Halstead, Raymond A. Underhill

- -

Name of laboratory: Washington State Fisheries Laboratory.

Location: Fisheries Hall No. 3, University of Washington, Seattle, Washington.

Director: Robert R. Parker.

Financial support: State of Washington general fund.

Season of operation: All year.

Function of laboratory: Research.

Staff: R. W. Williams

- -

Name of laboratory: Washington State Shellfish Laboratory.

Location: Gig Harbor, Washington

Director: Cedric E. Lindsay.

Financial support: State of Washington general fund; Oyster Reserve sales.

Season of operation: All year.

Function of laboratory: Research.

Staff: David McMillin

Name of laboratory: William F. Clapp Laboratories, Inc.

Location: Washington Street, Duxbury, Mass.

Director: William F. Clapp.

Financial support: Donations from Industry.

Season of operation: All year.

Function of laboratory: Research on marine fouling.

Capacity for visiting investigators: Some (write to Director).

Research facilities available: Standard laboratory equipment for marine biological research; circulating sea water; marine borer and fouling exposure stations.

Expenses for laboratory accommodations: (write to Director).

Expenses for room and board: Not available.

Staff: Irving C. Bailey
Dorothy J. Brown
C. Irene Damon
A. S. Rhoads
Albert P. Richards

- -

Name of laboratory: Wm. G. Kerckhoff Marine Laboratory of the California Institute of Technology.

Location: Corona del Mar, Calif.

Director: On leave (G. W. Beadle, Ch. Division of Biology in charge).

Financial support: Institute general funds; endowment.

Season of operation: All year; teaching June 15 to Sept. 15.

Function of laboratory: Teaching and research.

Courses offered: Invertebrate and Vertebrate Zoology.

Capacity for visiting investigators: Six to eight.

Research facilities available: Standard laboratory equipment; circulating sea water; vessel; small library.

Expenses for laboratory accommodations: Vary (write to G. W. Beadle).

Expenses for room and board: Arranged (write to G. W. Beadle).

Staff: G. E. MacGinitie (on leave)
Albert Tyler

Name of laboratory: Woods Hole Oceanographic Institution.

Location: Woods Hole, Mass.

Director: Columbus O'D. Iselin.

Financial support: Rockefeller Foundation; Carnegie Foundation; U. S. Gov't. agencies; other private support.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: Fifteen.

Research facilities available: Excellently equipped laboratories and sea going vessels for oceanographic research; machine shops; library.

Expenses for laboratory accommodations: None.

Expenses for room and board: Approx. $20.00 per week.

Staff:
Arnold Arons
John C. Ayers
Dean F. Bumpus
Cornelia L. Carey
George L. Clarke
W. M. Ewing
C. J. Fish
Frederick C. Fuglister
B. J. Haurwitz
J. B. Hersey
L. W. Hutchins
B. H. Ketchum
R. B. Montgomery
H. B. Moore
F. B. Phleger
M. J. Pollak
A. C. Redfield
G. A. Riley
W. C. Schroeder
Mary Sears
H. R. Seiwell
F. M. Soule
A. F. Spilhaus
H. C. Stetson
H. M. Stommel
H. J. Turner
A. C. Vine
W. S. von Arx
E. E. Watson
Elsie Wattie
A. H. Woodcock
George Woollard

Ahlstrom, Dr. Elbert H. USFWS South Pacific Fishery Investigations Scripps Inst. of Oceanog. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the sardine, Sardinops caerulea.
Anderson, Mr. A.W., Jr. Texas Game, Fish and Oyster Commission Laboratory Rockport, Texas	Marine Biology Studies on Fouling by Teredos. Food Habits of Texas Fishes.
Anderson, Mr. William W. USFWS Gulf Investigations City Pier Sarasota, Florida	Marine Biology, Administration (Chief, Gulf Fishery Investigations). Investigation of "Red Tide" Phenomena.
Andrews, Mr. Jay D. Virginia Fisheries Laboratory Gloucester Point, Va.	Marine Invertebrate Zoology Set and Survival of Oysters.
Armstrong, Dr. Alfred Chesapeake Bay Institute Johns Hopkins University 1315 St. Paul St. Baltimore, Md. or RFD 2, Annapolis, Md. or College of William and Mary Williamsburg, Va.	Chemical Oceanography Phosphate Distribution in the Major Tributaries in the Southern Portion of the Chesapeake Bay and the Relation of this Distribution to Silt Load.
Armstrong, Mr. John C. The Lerner Marine Laboratory Bimini, Bahamas, BWI or American Museum of Natural History Central Park West at 79th St. New York, N.Y.	Marine Invertebrate Zoology
Arnison, Mr. John M. USFWS Gulf Investigations City Pier, Sarasota, Florida	Chemist Investigation of "Red Tide" Phenomena.
Arnold, Mr. Edgar L., Jr. Fisheries Laboratory Woods Hole, Mass.	Fisheries Biology Age and Growth of Haddock.
Arons, Dr. Arnold Woods Hole Oceanographic Institution Woods Hole, Mass.	Physical Oceanography Explosive Phenomena in Sea Water.

Arthur, Mr. Robert S. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Waves.
Ashley, Dr. Laurence M. Walla Walla College Biol. Sta. Anacortes, Washington or Walla Walla College College Place, Washington	Ichthyology, Limnology
Atkinson, Mr. C. E. U. S. Fishery Laboratory Beaufort, N. C.	Fishery Biology Biology of the Shad.
Ayers, Dr. John C. Woods Hole Oceanogr. Institution Woods Hole, Mass.	Oceanography Circulation in Estuaries.
Bailey, Dr. B. E. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B. C.	Biochemist Nutritive Values, Pharmaceutical Products.
Bailey, Mr. Irving C. Wm. F. Clapp Laboratories, Inc. Washington St., Duxbury, Mass.	Biologist Marine Fouling.
Baird, Mr. Frederick J. Maine Dept. of Sea and Shore Fisheries, Fisheries Lab. Boothbay Harbor, Maine	Fishery Biology Smelt and Scallop Investigation.
Baker, Mr. B. B., Jr. Texas Game, Fish and Oyster Commission Laboratory Rockport, Texas	Marine Invertebrate Zoology Life History and Ecology of *O. virginica* with Emphasis on Cultivation.
Ball, Dr. Eric G. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biochemistry Harvard Univ. Med. School	Biochemistry Chromoproteins in Marine Organisms.
Ballard, Mr. I. D. Texas A & M Research Foundation Laboratory Grand Isle, La.	Chemist Causes of Oyster Mortality.

Ballard, Dr. William W. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology Dartmouth College	Embryology
Banner, Dr. Albert H. Hawaii Marine Laboratory University of Hawaii Honolulu, T.H.	Plankton, Marine Invertebrates Taxonomy of Crangonid Shrimps, Mysids and Euphausiids.
Barnes, Dr. Clifford A Univ. of Wash. Oceanog. Labs. Friday Harbor and Seattle, Wash.	Physical Oceanography
Barron, Dr. E.S. Guzman Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biochemistry Univ. of Chicago	Biochemistry Cellular Respiration.
Baughman, Mr. J.L. Texas Game, Fish and Oyster Commission Laboratory Rockport, Texas	Fishery Biology, Administration (Director)
Beatty, Dr. S.A. Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	Administration (Director)
Beaven, Mr. G.F. Chosapeake Biological Laboratory Solomons, Md.	Biologist Oyster Investigations.
Behre, Dr. E.H. Gulf Coast Research Laboratory Box 336 Ocean Springs, Miss.	Marine Zoology
Bennett, Dr. Harry J. Louisiana State Univ. Marine Biological Laboratory Grand Isle, La.	Marine Biology, Administration (Director)
Blinks, Dr. Lawrence R. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif.	Physiology, Administration (Director) Photosynthesis by Non-green Pigments. Electrical Potentials of Cells.

Blomquist, Dr. H.L. Duke Univ. Marine Lab. Beaufort, No. Carolina or Dept. of Botany, Duke Univ. Durham, No. Carolina	Botany
Bolin, Dr. Rolf L. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif.	Ichthyology, Ecology Systematic Review of the Myctophidae of the World.
Bookhout, Dr. C.G. Duke Univ. Marine Laboratory Beaufort, No. Carolina or Dept. of Zool., Duke Univ. Durham, No. Carolina	Marine Invertebrate Zoology Embryology and Histology of Marine Annelids.
Booth, Mr. Elwood R. Walla Walla Coll. Biol. Sta. Anacortes, Wash. or Walla Walla College College Place, Wash.	Marine Invertebrate Zoology
Booth, Dr. Ernest S. Walla Walla Coll. Biol. Sta. Anacortes, Wash. or Walla Walla College College Place, Washington	Ecology, Administration (Director)
Boswell, Mr. J.L. Texas A & M Research Found. Lab. Grand Isle, La.	Biologist Causes of Oyster Mortality.
Boudreaux, Dr. H. Bruce Louisiana State Univ. Marine Biological Lab. Grand Isle, La.	Marine Biology
Broda, Mr. E.J. Sister Lake Marine Laboratory of the State of Louisiana Box 65, Houma, La.	Biologist Causes of Oyster Mortality.
Breder, Dr. C.M., Jr. The Lerner Marine Laboratory Bimini, Bahamas, B.W.I. or American Museum of Nat. Hist. Central Park West at 79th St. New York, N.Y.	Ichthyology, Administration (Director)

Broad, Mr. Alfred C. Univ. of No. Carolina Institute of Fisheries Research Morehead City, N.C.	Invertebrate Zoology Shrimp Investigations.
Brock, Mr. Vernon E. Division of Fish and Game Honolulu, T.H.	Fishery Biology, Administration (Chief) Biometrical Studies on Central Pacific Tunas.
Brooke, Mr. John Coastal Rivers Salmon Research Division of Research, Oregon Game Commission Bay City, Oregon	Fishery Biology
Brown, Miss Dorothy J. Wm. F. Clapp Laboratories, Inc. Washington St. Duxbury, Mass.	Marine Biology Marine Fouling Organisms.
Brown, Dr. F.A., Jr. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology, Northwestern U.	Invertebrate Zoology Invertebrate Endocrinology
Buller, Mr. Raymond J. U.S. Fisheries Laboratory Woods Hole, Mass.	Fishery Biology Census of Fish Populations on George's Bank.
Bumpus, Dr. Dean F. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Biological Oceanography Coastal Circulation Cape Hatteras to Florida. Productivity of Mediterranean Sea.
Burbanck, Dr. W.D. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, Drury College	Invertebrate Zoology
Burt, Mr. Wayne V. Chesapeake Bay Institute Johns Hopkins Univ. 1315 St. Paul Street Baltimore, Md. or RFD 2, Annapolis, Md.	Oceanography A Study of the Significance of Extinction Measurements of Water Samples in Terms of Silt Load, and the Employment of These Measurements as an Index of Water Source and Circulation.

Butler, Mr. Charles Pacific Oceanic Fisheries Investigation University of Hawaii Honolulu, T.H.	Fishery Technology
Butler, Dr. Phillip A. U.S. Fisheries Laboratory P.O. Box 1826 Pensacola, Florida	Marine Invertebrate Zoology Life History and Ecology of Oysters.
Butler, Mr. T.H. Pacific Biological Station Nanaimo, B.C.	Invertebrate Zoology Crustacean Investigations.
Calderwood, Miss Margaret M. USFWS South Pacific Fishery Inv. Scripps Inst. of Oceanog. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the Sardine (Sardinops caerulea).
Carey, Dr. Cornelia L. Woods Hole Oceanographyic Inst. Woods Hole, Mass.	Marine Bacteriology
Carlson, Mr. Carl Pacific Oceanic Fisheries Investigation University of Hawaii Honolulu, T.H.	Fishery Engineering
Carricker, Dr. Melbourne R. Rutgers Univ. Marine Lab. Cape May, New Jersey	Invertebrate Zoology Oyster Biology
Carritt, Dr. Dayton E. Chesapeake Bay Institute The Johns Hopkins University 1315 St. Paul St., Baltimore, Md. or RFD 2, Annapolis, Md.	Chemical Oceanography Development of Instruments for Potentiometric Measurements of Dissolved Oxygen Content. Phosphate Adsorption by Silt.
Carter, Dr. N.M. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B.C.	Chemist, Administration (Director)
Castell, Mr. C.H. Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	Bacteriology Fisheries Bacteriology.

Caylor, Dr. Richard L. Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss. or Delta State Teachers College Cleveland, Miss.	Botany, Administration (Director)
Chestnut, Mr. Alphonse F. U. of N. Carolina Institute of Fishery Research Morehead City, N. C.	Invertebrate Zoology Mollusc Investigations.
Chipman, Dr. Walter A. U.S. Fishery Laboratory Beaufort, N. Carolina	Invertebrate Physiology Oyster Physiology.
Church, Dr. Philip E. Univ. Wash. Oceanographic Labs. Friday Harbor and Seattle, Wash.	Meteorology.
Clapp, Dr. William F. Wm. F. Clapp Laboratories, Inc. Washington St., Duxbury, Mass.	Biology, Administration (Director) Marine Fouling Organisms.
Clark, Dr. Frances N. Calif. State Fisheries Lab. Terminal Island, California	Fishery Biology, Administration (Director) Life History and Abundance of the Sardine.
Clark, Mr. John Texas A & M Research Foundation Laboratory Grand Isle, La.	Marine Biology Causes of Oyster Mortality.
Clarke, Dr. George L. Woods Hole Oceanogr. Institution Woods Hole, Mass. or Dept. Biology, Harvard Univ.	Marine Biology Ecology of Salt Ponds.
Cleaver, Mr. Fred Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Fishery Biology Spawning and Early Life History of Tunas. Relation of Distribution and Behavior of Tunas to Hydrographic Features.
Cochrane, Mr. J. D. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Waves.
Coe, Dr. Wesley Scripps Institution of Oceanogr. La Jolla, Calif.	Marine Invertebrate Zoology Taxonomy and Biology of Marine Invertebrates.

Coker, Mr. Coit M. Chesapeake Biological Laboratory Solomons, Md.	Fishery Biology Fishery Investigations.
Collyer, Mr. R.D. California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Statistical Analysis of Marine Sport Fishing.
Colton, Mr. J.B. Fisheries Laboratory Woods Hole, Mass.	Oceanography Hydrographic Problems Relating to Fisheries.
Colwin, Dr. Arthur L. Marine Biological Laboratory Woods Hole, Mass or Dept. of Zoology Queens College	Embryology Development of Hemichordates.
Conklin, Dr. E.G. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology Princeton Univ. Princeton, N.J.	Marine Embryology
Cooke, Mr. N.E. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B.C.	Chemist Biochemistry, Utilization of Waste Products.
Costello, Dr. Donald P. Marine Biological Laboratory Woods Hole, Mass. or Dept. Zoology, U. No Carolina Chapel Hill, N.C.	Embryology
Counts, Mr. Robert U.S.F.W.S. South Pacific Fishery Investigations Scripps Inst. of Oceanog. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the Sardine (Sardinops caerulea).
Creaser, Dr. Edwin P. Bermuda Biological Sta. for Research St. George's, Bermuda	Marine Invertebrate Zoology Biology of the Spiny Lobster.
Cromwell, Mr. Townsend Pacific Oceanic Fisheries Invest. Univ. of Hawaii, Honolulu, T.H.	Physical and Chemical Oceanography Hydrography of the Central Pacific in Relation to the Distribution of Tunas.

Cronin, Miss Alice W. Chesapeake Biological Laboratory Solomons, Md.	Chemistry
Cronin, Dr. L. Eugene Chesapeake Biological Laboratory Solomons, Md.	Marine Biology Crab Investigations.
Damon, Miss C. Irene Wm. F. Clapp Laboratories, Inc. Washington St. Duxbury, Mass.	Marine Biology Marine Fouling Organisms.
Daugherty, Mr. F.M., Jr. Texas Game, Fish and Oyster Commission Laboratory Rockport, Texas	Marine Invertebrate Zoology. Life History and Ecology of C. sapidus. Comparative Study of Shrimp Trawls.
Davey, Mr. Richard Maine Dept. of Sea and Shore Fisheries, Fisheries Lab. Boothbay Harbor, Maine	Bacteriology Coastal Pollution Studies.
Davis, Mr. Fred Univ. of Miami Marine Lab. Coral Gables, Florida	Chemistry Commercial Potentialities of Sargassum.
Davis, Mr. H.C. Marine Biol. Lab., USFWS Milford, Connecticut	Embryology Larvology of Lamellibranchs.
Dawson, Dr. E. Yale The Allan Hancock Foundation for Scientific Research University Park, Los Angeles, Calif.	Botany Marine Algae.
Day, Mr. L.R. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology of Tuna and Billfish.
Deevey, Dr. G.B. Bingham Oceanographic Lab. Yale Univ., New Haven Conn.	Zooplankton
DeLacy, Dr. A.C. School of Fisheries, U. Wash. Seattle, Wash.	Ichthyology Biology of Puget Sound Fish Populations.

Demaree, Dr. Delzie Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Botany
Dietrich, Mr. John Texas A & M Research Foundation Lab. Grand Isle, La.	Electrical Engineer Causes of Oyster Mortality.
Doty, Dr. Maxwell S. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Botany Northwestern Univ.	Marine Botany
Dunn, Dr. Paul Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss. or Mississippi State College State College, Miss.	Marine Geology
Durham, Dr. Floyd E. The Allan Hancock Foundation for Scientific Research University Park, Los Angeles, Calif.	Vertebrate Zoology Taxonomy and Ecology of the Mammalia.
Dyer, Dr. W.J. Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	Biochemistry Biochemistry of Fish Processing.
Eckart, Dr. Carl Scripps Institution of Oceanog. La Jolla, Calif.	Physical Oceanography, Administration (Director) Acoustics.
Eckles, Mr. Howard H. USFWS South Pacific Fishery Investigations 450-B Jordan Hall Stanford, Calif.	Fishery Biology Biology of the Sardine (<u>Sardinops caerulea</u>).
Ellison, Mr. William A., Jr. Univ. of No. Carolian Institute of Fisheries Research Morehead City, N.C.	Fishery Biology, Administration (Director)
Elser, Mr. Harold J. Chesapeake Biological Laboratory Solomons, Md.	Marine Biology

Elson, Dr. P. F. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology of Salmon.
Emery, Miss Beatrice I. Walla Walla College Biol. Sta. Anacortes, Wash. or Walla Walla College College Place, Washington	Botany
Emery, Dr. Kenneth O. The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Physical Oceanography Submarine Geology.
Ewing, Mr. Gifford C. Scripps Institution of Oceanog. La Jolla, Calif.	Physical Oceanography
Ewing, Dr. W. M. Woods Hole Oceanography Inst. Woods Hole, Mass. or Dept. of Geology Columbia Univ., New York, N.Y.	Submarine Geophysics
Felin, Miss Frances E. USFWS South Pacific Fishery Investigations 450-B Jordan Hall Stanford, Calif.	Fishery Biology Age and Growth of the Sardine (*Sardinops caerulea*).
Fish, Dr. Charles J. Narragansett Marine Lab. Kingston, Rhode Island	Marine Biology, Physical Oceanography, Administration (Director) Biology of Atlantic Neritic and Oceanic Zooplankton. Bibliography of Oceanography.
Fish, Dr. Marie Poland Narragansett Marine Lab. Kingston, Rhode Island	Ichthyology Biology of Sound Production by Marine Animals.
Fisher, Mr. H. D. Atlantic Biological Station St. Andrews, New Brunswick	Marine Zoology Biology of Seals.

Fisher, Dr. Walter K.	Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif.	Invertebrate Zoology Taxonomy of Echinoderms, Gephyreans, and Sipunculoids.
Foley, Mr. M. A.	Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	Engineering Mechanical Engineering.
Fox, Dr. Dennis L.	Scripps Institution of Oceanogr. La Jolla, Calif.	Marine Biochemistry Comparative Biochemistry and Physiology of Marine Animals; Biochemistry of Pigments.
Frautschy, Mr. Jeffery D.	Scripps Institution of Oceanog. La Jolla, Calif.	Physical Oceanography Instruments, Sediments.
Fry, Dr. D. H.	California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Life History of King and Silver Salmon.
Fuglister, Mr. Frederick C.	Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography Circulation, Western North Atlantic.
Galtsoff, Dr. Paul S.	U.S. Fisheries Laboratory Woods Hole, Mass.	Marine Physiology, Administration (Director) Physiology of Lamellibranchs.
Garrey, Dr. W. E.	Marine Biological Laboratory Woods Hole, Mass. or Dept. of Physiology Vanderbilt Univ. Med. School Nashville, Tenn.	Physiology
Garth, Dr. John	The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Invertebrate Zoology Systematics of the Brachyura.
Gentry, Dr. H. S.	The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Botany Mexican Land Plants.

Giese, Dr. Arthur C. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif. or Dept. of Biology Stanford University	Physiology
Glud, Mr. John B. Boothbay Harbor Fishery Lab. of the USDI Fish and Wildlife Service Boothbay Harbor, Maine	Invertebrate Zoology, Administration (Director) Clam Investigations (Chief).
Godsil, Dr. Harry C. California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Statistical Analysés of Catch Records of Commercial Fisheries.
Goggins, Mr. Philip Maine Dept. of Sea and Shore Fisheries, Fisheries Lab. Boothbay Harbor, Maine	Bacteriology Coastal Pollution Studies.
Goodchild, Dr. C. G. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology South West Missouri State Coll. Springfield, Mo.	Invertebrate Zoology
Gosline, Dr. William A. Hawaii Marine Laboratory University of Hawaii Honolulu, T.H.	Ichthyology Taxonomy of Hawaiian Fishes.
Gray, Dr. I. E. Duke Univ. Marine Laboratory Beaufort, N. Carolina or Dept. of Zoology, Duke Univ. Durham, N. Carolina	Marine Ecology
Green, Mr. J. C. Bears Bluff Laboratories Wadmalaw Island, So. Carolina	Marine Biology Oyster Cultivation Methods.
Gunter, Dr. Gordon The Institute of Marine Science of the University of Texas Port Aransas, Texas	Marine Biology, Administration (Acting Director) Oyster Mortality. Distribution of Marine Fishes.

Hachey, Mr. H. B. Atlantic Biological Station St. Andrews, New Brunswick	Physical Oceanography Temperature Structure.
Halstead, Dr. Bruce W. Walla Walla College Biol. Sta. Anacortes, Washington or School of Tropical and Preventive Medicine Loma Linda, Calif.	Fisheries Biology, Ichthyology
Harriman, Mr. Donald J. Maine Dept. of Sea and Shore Fisheries, Fisheries Lab. Boothbay Harbor, Maine	Marine Invertebrate Zoology Clam Investigations, Venus and Mya.
Harrison, Mr. J. S. M. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B. C.	Research Engineer Canning & Curing Technology.
Harry, Mr. George Y. Marine Fisheries Investigation Division of Research, Oregon Fish Commission Astoria, Oregon	Fishery Biology, Administration (In charge)
Hart, Dr. J. L. Pacific Biological Station Nanaimo, B.C.	Fishery Biology, Administration (Director) Trawl Fishery Investigation.
Hartman, Dr. Olga The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Invertebrate Zoology Systematics of Polychaetous Annelids.
Hastings, Dr. W. H. School of Fisheries, U. Wash. Seattle, Wash.	Fisheries Technology Vitamin and Amino Acid Assay.
Haurwitz, Dr. B. J. Woods Hole Oceanographic Inst. Woods Hole, Mass. or Dept. Meteorology, N.Y Univ. New York, N.Y.	Physical Oceanography, Meteorology. Marine Meteorology.
Haven, Mr. Dexter Virginia Fisheries Laboratory Gloucester Point, Va.	Fishery Biology Life History of the Croaker.

Hedgpeth, Mr. Joel W. Pacific Marine Station Dillon Beach, Calif. or Dept. of Zoology, Univ. Calif. Berkeley, Calif.	Invertebrate Zoology Taxonomy of Pycnogonids; Ecology
Henry, Mr. Kenneth Coastal Rivers Salmon Research Div. of Research, Ore. Game Comm. Bay City, Oregon	Fishery Biology
Hersey, Dr. J. B. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography Submarine Acoustics.
Hiatt, Dr. Robert W. Hawaii Marine Laboratory University of Hawaii Honolulu, T.H.	Marine Ecology, Administration (Director) Biology of Baitfish, Engraulis purpureus.
Hodges, Mr. John I. Coastal Rivers Salmon Research Div. of Research, Ore. Game Comm. Bay City, Oregon	Fishery Biology
Holmberg, Mr. E. K. California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Life History and Abundance of Pacific Tunas.
Hopkins, Dr. A. E. Biloxi Oyster Laboratory Biloxi, Mississippi	Marine Invertebrate Zoology Studies on the Mortality of Oysters.
Howard, Dr. A. C. The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Invertebrate Zoology Systematics of Mollusca.
Hoyer, Mr. William Pacific Oceanic Fisheries Inv. University of Hawaii Honolulu, T.H.	Refrigeration Engineering
Hsiao, Dr. Sidney C. Hawaii Marine Laboratory University of Hawaii Honolulu, T. H.	Oceanography, Invertebrate Embryology

Hubbs, Dr. Carl L. Scripps Institution of Oceanogr. La Jolla, Calif.	Ichthyology Systematics and Ecology of Fishes.
Hutchins, Dr. Louis W. Bermuda Biol. Sta. for Research St. George's, Bermuda or Woods Hole Oceanographic Inst. Woods Hole, Mass	Marine Biology, Administration (Director) Biology of Fouling Organisms.
Idyll, Dr. Clarence P. University of Miami Marine Lab. Coral Gables, Florida	Fishery Biology
Ingle, Mr. Robert Univ. of Miami Marine Laboratory Coral Gables, Florida	Marine Zoology Studies on the Oyster Industry of Florida.
Inman, Mr. Douglas L. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography
Isaacs, Mr. John Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Waves, Instruments.
Iselin, Mr. Columbus O'D. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography, Administration (Director)
Jacob, Mr. H. J. Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Botany
Johnson, Dr. Martin W. Scripps Institution of Oceanogr. La Jolla, Calif.	Marine Biology Systematics and Ecology of Marine Zooplankton.
Jones, Mr. M. Univ. of Miami Marine Laboratory Coral Gables, Florida	Chemical Oceanography
June, Mr. Fred Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T.H.	Fishery Biology Spawning and Early Life History of Tunas.

Kelly, Mr. George F. Chesapeake Biological Laboratory Solomons, Md.	Biologist Hydrography.
Kerswell, Dr. C. J. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology and Abundance of Salmon.
Ketchum, Dr. Bostwick H. Marine Biological Laboratory Woods Hole, Mass. Woods Hole Oceanographic Inst.	Marine Botany and Bacteriology Bacteriology of Polluted Water.
King, Mr. Joseph Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Marine Biology Food and Feeding Habits of Tunas.
Kleinholz, Dr. L. H. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, Reed College Portland, Oregon	Invertebrate Physiology
Kopac, Dr. M. J. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, N.Y. Univ. New York, N.Y.	Physiology Structure and Function of Coll Components.
Kramer, Mr. David USFWS South Pacific Fishery Investigations Scripps Inst. of Oceanogr. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the Sardine (Sardinops caerulea).
La Monte, Miss Francesca R. The Lerner Marine Laboratory Bimini, Bahamas, B.W.I. or American Museum of Nat. Hist. Central Park West at 79th St. New York, N.Y.	Ichthyology
Lantz, Mr. A. W. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B .C.	Research Engineer Smoking, Curing and Processing Equipment.

de Laubenfels, Dr. Max W. Hawaii Marine Laboratory University of Hawaii Honolulu, T. H.	Systematics of Invertebrates Sponges of Hawaii and Central Pacific.
Leim, Dr. A. H. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology and Abundance of Herring.
Lillie, Dr. R. S. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Physiology Univ. of Chicago, Chicago, Ill.	General Physiology
Lindsay, Mr. Cedric E. State Shellfish Laboratory Gig Harbor, Washington	Marine Invertebrate Zoology, Administration (Director) Oyster Cultivation.
Lochhead, Dr. John H. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology, U. of Vermont Burlington, Vt.	Invertebrate Zoology
Loewi, Dr. Otto Marine Biological Laboratory Woods Hole, Mass. or Dept. of Pharmacology New York Univ. School of Med. New York, N. Y.	Physiology
Logie, Mr. R. R. Atlantic Biological Station St. Andrews, New Brunswick	Marine Invertebrate Zoology Biology and Cultivation of Oysters.
Loosanoff, Dr. Victor L. Marine Biological Laboratory USFWS, Milford, Connecticut	Marine Biology, Administration (Director) Ecology and Physiology of Mollusks.
Loomis, Miss Nina The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Botany Marine Algae

Ludwig, Mr. J. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Sediments.
Lund, Dr. E. J. The Institute of Marine Science of the Univ. of Texas Port Aransas, Texas	Marine Physiology Oyster Physiology
Lunz, Mr. G. R. Boars Bluff Laboratories Wadmalaw Island, So. Carolina	Marine Invertebrate Zoology, Administration (Director) Oyster Cultivation Methods.
Lynch, Dr. J. E. School of Fisheries, U. of Wash. Seattle, Washington	Invertebrate Zoology Biology of Aquatic Invertebrates.
MacCallum, Mr. W. A. Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	Engineering Refrigeration Engineering.
MacGinitie, Mr. George E. Wm. G. Kerckhoff Marine Lab. Corona Del Mar, Calif.	Marine Invertebrate Zoology Marine Ecology.
Mackin, Dr. J. G. Texas A & M Research Foundation Laboratory Grand Isle, Louisiana	Limnologist, Administration (Director) Causes of Oyster Mortality.
MacLellan, Mr. H. J. Atlantic Biological Station St. Andrews, New Brunswick	Physical Oceanography
MacNab, Dr. James A. Oregon Institute of Marine Biology Charleston, Oregon or Lower Columbia Jr. College Longview, Washington	Marine Ecology
Marion, Mr. Cecil Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Marine Geology
Marr, Mr. John C. USFWS South Pacific Fishery Invest. 450-B Jordan Hall, Stanford, Calif.	Fishery Biology, Administration (Chief of Investigations)

Marriage, Mr. Lowell D. Shellfish Studies Division of Research, Oregon Fish Commission Newport, Oregon	Invertebrate Zoology
Martin, Dr. Arthur W. Univ. of Washington Oceanogr. Laboratories Friday Harbor and Seattle, Wash.	Physiology
Martin, Dr. W. R. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology and Abundance of Groundfish.
Mathews, Dr. A. P. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biochemistry Univ. of Cincinnati Cincinnati, Ohio	Biochemistry
Matthews, Dr. Donald C. Hawaii Marine Laboratory University of Hawaii Honolulu, T. H.	Invertebrate Zoology Spermatogenesis in Crustacea.
Maxfield, Mr. Galen H. Chesapeake Biological Laboratory Solomons, Md.	Fishery Biology Fishery Investigations.
McCracken, Mr. F. D. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology and Abundance of Groundfish.
McCulloch, Dr. Irene The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Invertebrate Zoology Systematics of Foraminifera and Mollusca.
McEwen, Dr. G. F. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography
McHugh, Mr. John L. Scripps Institution of Oceanogr. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the sardine (Sardinops caerulea). The Biology of Anchovies.

McKenzie, Mr. R. A. Atlantic Biological Station St. Andrews, New Brunswick	Fishery Biology Biology and Abundance of Smelt.
McKernan, Mr. Donald L. Division of Research, Oregon Fish Commission Rt. 1, Box 31 A Clackamas, Oregon	Fishery Biology, Administration (Director of Research)
McMillin, Mr. David State Shellfish Laboratory Gig Harbor, Washington	Marine Invertebrate Zoology Oyster Cultivation.
Medcof, Dr. J. C. Atlantic Biological Station St. Andrews, New Brunswick	Marine Invertebrate Zoology Biology of Clams and Scallops.
Menzies, Mr. R. J. Pacific Marine Station Dillon Beach, Calif. or The Allan Hancock Foundation for Scientific Research Los Angeles, Calif.	Invertebrate Zoology Taxonomy of Marine Isopods.
Merriman, Dr. Daniel Bingham Oceanographic Laboratory Yale University New Haven, Conn.	Ichthyology, Administration (Director) Life History and Population Studies of Fishes.
Metz, Dr. Charles B. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology Y ale University New Haven, Conn.	Embryology
Miles, Mr. Dewey Texas Game, Fish and Oyster Commission Laboratory Rockport, Texas	Fishery Biology Life History of Trout, Redfish and the Flounder.
Miller, Dr. James A. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Anatomy Emory University Atlanta, Georgia	Embryology

Miller, Mr. W. S. Marine Biological Laboratory, USFWS Milford, Connecticut	Marine Biology Ecology and Physiology of Mollusks.
Miyauchi, Mr. David Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Chemistry
Montgomery, Dr. R. G. Woods Hole Oceanogr. Inst. Woods Hole, Mass.	Physical Oceanography, Meteorology Theory of Fog Formation Over Sea Water.
Moore, Mr. Harvey C. Pacific Oceanic Fishery Invest. University of Hawaii Honolulu, T. H.	Fishery Biology Studies on the Age of Tunas.
Moore, Dr. Arthur R. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif. or Dept. of Physiology Univ. of Portland Portland, Oregon	Physiology
Moore, Dr. Hilary B. Woods Hole Oceanographic Inst. Woods Hole, Mass. or Univ. of Miami Marine Lab. Coral Gables, Fla.	Biological Oceanography Biology of the Scattering Layer.
Moore, Dr. R. A. Pacific Marine Station Dillon Beach, Calif.	Embryology
Morgan, Mr. Ray Southern Coastal Salmon and Striped Bass Investigations Division of Research, Oregon Game Commission Coos Bay, Oregon	Fishery Biology
Mossman, Mr. William H. Virginia Fisheries Laboratory Gloucester Point, Va.	Fishery Biology Spawning of Shad.

Moul, Dr. Edwin T. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Botany, Rutgers Univ. New Brunswick, N.J.	Marine Botany
Munk, Dr. Walter H. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Waves.
Myers, Dr. Earl H. Pacific Marine Station Dillon Beach, Calif. or Dept. of Paleontology, U. of Calif. Berkely, Calif.	Invertebrate Zoology Biology of Foraminifera.
Needler, Dr. A. W. H. Atlantic Biological Station St. Andrews, New Brunswick	Administration (Director)
Nelson, Dr. Thurlow C. Rutgers Univ. Marine Lab. Cape May, New Jersey or Dept. of Zoology, Rutgers Univ. New Brunswick, N.J.	Marine Ecology Oyster Biology.
Neurath, Dr. Hans Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biochemistry Duke Univ. Med. School Durham, N. C.	Physiology Proteolytic Enzymes.
Nichols, Mr. John T. The Lerner Marine Laboratory Bimini, Bahamas, B.W.I. or American Museum of Natural Hist. Central Park West at 79th St. New York, N.Y.	Ichthyology
Noble, Dr. Alden E. Pacific Marine Station Dillon Beach, Calif. or College of the Pacific Stockton, Calif.	Invertebrate Zoology, Administration (Director) Marine Trematode Life Cycles.
Nomejko, Mr. C. A. Marine Biological Lab., USFWS Milford, Connecticut	Marine Biology Ecology of Oysters and Starfish.

Nomejko, Mr. C. A.	Marine Biology
Marine Biological Lab., USFWS Miford, Connecticut	Ecology of Oysters and Starfish.
Olsen, Dr. J. H.	Ichthyology
Bingham Oceanographic Laboratory Yale Univ., New Haven, Conn.	Fish Taxonomy & Ecology.
Oosting, Dr. H. J.	Plant Ecology
Duke University Marine Lab. Beaufort, No. Carolina or Dept. of Botany, Duke Univ. Durham, No. Carolina	
Ordal, Dr. Erling	Bacteriology
Univ. of Wash. Oceanogr. Labs. Friday Harbor & Seattle, Wash. or Dept. of Bacteriology Univ. of Wash., Seattle, Wash.	
Osburn, Dr. Raymond C.	Invertebrate Zoology
The Allan Hancock Foundation for Scientific Research University Park Los Angeles, Calif.	Systematics of the Bryozoa.
Owen, Dr. H. Malcolm	Marine Biology, Administration (Director)
Sister Lake Marine Laboratory of the State of Louisiana Box 65, Houma, La.	Causes of Oyster Mortality.
Packard, Dr. Charles	Zoology, Administration (Director)
Marine Biological Laboratory Woods Hole, Mass.	
Parker, Dr. G. H.	Neurophysiology
Marine Biological Laboratory Woods Hole, Mass. or Dept. Zoology, Harvard Univ. Cambridge, Mass.	
Parker, Mr. Robert R.	Fishery Biology
State Fisheries Laboratory Fisheries Hall No. 3 Univ. of Wash, Seattle, Wash.	Marine Fisheries.

Parpart, Dr. Arthur K.	Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology Princeton Univ., Princeton, N.J.	Physiology Properties of Cell Membranes.
Partlo, Mr. J. M.	Pacific Biological Station Nanaimo, B.C.	Fishery Biology Albacore Tuna Investigation.
Phillips, Mr. J. B.	California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Life History and Identification of Rockfish (Sebastodes).
Phinney, Dr. Harry K.	Oregon Institute of Marine Biol. Charleston, Oregon or Oregon State College Corvallis, Oregon	Botany
Phleger, Dr. Fred B., Jr.	Scripps Institution of Oceanogr. La Jolla, Calif.	Submarine Geology Foraminifera of Deep Cores and Waters Above the Bottom.
Pickford, Dr. Grace E.	Bingham Oceanographic Lab. Y ale Univ., New Haven, Conn.	Marine Zoology Fish Endocrinology Taxonomy and Anatomy of Cephalopods.
Pierce, Dr. Madeline E.	Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology, Vassar College Poughkeepsie, N. Y.	Invertebrate Zoology
Pike, Mr. G. C.	Pacific Biological Station Nanaimo, B. C.	Marine Biology Whale Investigations.
Pitts, Dr. Robert F.	Marine Biological Laboratory Woods Hole, Mass. or Dept. of Physiology Syracuse Univ., Coll. of Med. Syracuse, N. Y.	Physiology Electrolyte and Water Balance in Marine Organisms.
Pollack, Mr. M. J.	Woods Hole Oceanogr. Insitution Woods Hole, Mass.	Physical Oceanography Circulation of Mediterranean Sea.

Powell, Mr. E. H., Jr. The Institute of Marine Science of the University of Texas Port Aransas, Texas	Marine Biology Field Experiments on Oyster Mortality.
Pratt, Dr. David M. Narragansett Marine Laboratory Kingston, Rhode Island	Marine Biology Productivity in Neritic Waters.
Pratt, Dr. Ivan Oregon Institute of Marine Biol. Charleston, Oregon or Oregon State College Corvallis, Oregon	Invertebrate Zoology
Pritchard, Dr. Donald W. Chesapeake Bay Institute The Johns Hopkins University 1315 St. Paul St., Baltimore Md. or RFD 2, Annapolis, Md.	Physical Oceanography; Administration (Director) A Study of the Theoretical Dynamics of Estuarine Waters.
Prokop, Mr. Joseph Texas A & M Research Foundation Laboratory Grand Isle, La.	Bacteriologist Causes of Oyster Mortality.
Rakestrow, Dr. Norris W. Scripps Institution of Oceanogr. La Jolla, Calif.	Chemical Oceanography
Ray, Dr. Dixie Lee Univ. of Washington Oceanographic Laboratories Friday Harbor & Seattle, Wash. or Dept. of Zoology Univ. of Wash., Seattle, Wash.	Marine Invertebrate Zoology
Redfield, Dr. Alfred C. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Marine Physiology, Administration (Supervision of Biological Program Tidal Currents.
Reid, Dr. W. M. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, Monmouth Coll. Monmouth, Ill.	Invertebrate Zoology

Reintjes, Mr. John	Fishery Biology
Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Biology of the Baitfish, Pranesus insularum.
Revelle, Dr. Roger R.	Physical Oceanography, Administration (Associate Director)
Scripps Institution of Oceanogr. La Jolla, Calif.	Submarine Geology, General Oceanography.
Reynolds, Mr. Ernest S.	Marine Biology
University of Miami Marine Lab. Coral Gables, Florida	
Rhiel, Mr. W. L.	Marine Biology
Sister Lake Marine Laboratory of the State of Louisiana Box 65, Houma, La.	Causes of Oyster Mortality.
Rhoads, Dr. A. S.	Marine Biology
Wm. F. Clapp Laboratories, Inc. Washington St., Duxbury, Mass.	Marine Fouling Organisms.
Rice, Dr. J. C.	Pharmacology, Physiology
Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	
Richards, Mr. Albert P.	Marine Biology
Wm. F. Clapp Laboratories, Inc. Washington St., Duxbury, Mass.	Marine Fouling Organisms.
Riley, Dr. Gordon A.	Marine Plankton
Bingham Oceanographic Laboratory Yale Univ., New Haven, Conn. or Woods Hole Oceanographic Inst. Woods Hole, Mass.	Plankton Ecology. Phytoplankton Prodution.
Ripley, Mr. W. E.	Fishery Biology
California State Fisheries Lab. Terminal Island, Calif.	Life History of Flatfishes and Savings Gear in the Trawl Fishery.
Rivas, Dr. Luis R.	Ichthyology
University of Miami Marine Lab. Coral Gables, Florida	

Roach, Mr. S. W. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B.C.	Research Engineer Canning, Curing & General Processing.
Robinson, Dr. Rex J. Univ. of Wash. Oceanogr. Labs. Friday Harbor and Seattle, Wash.	Chemical Oceanography.
Roedel, Mr. Phil M. California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Life History and Abundance of Mackerel.
Roelofs, Dr. Eugene W. Univ. of No. Carolina Institute of Fisheries Research Morehead City, N. C.	Fishery Biology Finfish and Hydrobiological Investigations.
Rowland, Miss Eloise Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Parasitology
Royce, Dr. William F. U.S. Fisheries Laboratory Woods Hole, Mass.	Fishery Biology North Atlantic Fisheries Investigation
Rulifson, Mr. Robert Southern Coastal Salmon and Striped Bass Investigations Division of Research, Oregon Game Commission. Coos Bay, Oregon	Fishery Biology
Sargent, Dr. Marston C. Scripps Institution of Oceanogr. La Jolla, Calif.	Marine Botany Biology of Marine Plankton.
Scattergood, Mr. Leslie Boothbay Harbor Fishery Lab. of the USDI Fish and Wildlife Service Boothbay Harbor, Maine	Fishery Biology Herring Investigations.
Schaefer, Mr. Milner B. Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Fishery Biology, Oceanography Biology of Skipjack and Yellow-fin Tuna.

Scheer, Dr. Bradley T. Hawaii Marine Laboratory University of Hawaii Honolulu, T. H.	Marine Physiology Carbohydrate Metabolism in Marine Invertebrates.
Schmidt, Mr. P. J. Pacific Fisheries Exper. Sta. 898 Richards St. Vancouver, B. C.	Chemistry
Schroeder, Mr. W. C. Woods Hole Oceanographic Instit. Woods Hole, Mass.	Fishery Biology Experimental Fishing.
Schuck, Mr. Howard A. U.S. Fisheries Laboratory Woods Hole, Mass.	Fishery Biology Population Studies on Codfish and Haddock.
Sears, Dr. Mary Woods Hole Oceanographic Instit. Woods Hole, Mass.	Marine Biology, Plankton Hydrography and Ecology of Pisco Bay, Peru. Siphonophores.
Seiwell, Dr. H. R. Woods Hole Oceanographic Instit. Woods Hole, Mass.	Physical Oceanography Statistical Studies of Sea and Swell.
Sette, Mr. Oscar E. Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Fishery Biology, Administration (Director) Biology of Skipjack and Yellow-fin Tuna.
Shaftesbury, Dr. Archie D. Carolina Marine Laboratory of the Woman's College of the Univ. of No. Carolina Beaufort, North Carolina	Marine Biology, Administration (Director)
Shepard, Dr. Francis P. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Submarine Geology.
Shimada, Mr. Bill Pacific Oceanic Fisheries Invest. University of Hawaii Honolulu, T. H.	Fishery Biology Studies on Tagging and the Migration of Tunas.

Shrader, Mr. E. Texas A & M Research Foundation Laboratory Grand Isle, La.	Chemistry Causes of Oyster Mortality.
Sieling, Mr. Fred W. Chesapeake Biological Laboratory Solomons, Md.	Marine Biology Oyster Investigations.
Skogsberg, Dr. Tage Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif.	Invertebrate Zoology Life History of Hydroids. Taxonomy of Crustacea.
Smith, Dr. F. G. Walton University of Miami Marine Lab. Coral Gables, Florida	Marine Zoology, Administration (Director)
Smith, Dr. G. F. M. Atlantic Biological Station St. Andrews, New Brunswick	Fisheries Statistics
Smith, Dr. Gilbert M. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif. or Dept. of Biology, Stanford Univ. Stanford, Calif.	Algology Taxonomy of Pacific Coast Algae. Physiology of Chlamydomonas.
Smith, Mr. P. B. Marine Biological Laboratory, USFWS Milford, Connecticut	Marine Biology Physiology of Oysters.
Soule, Mr. Floyd M. Woods Hole Oceanographic Inst. Woods Hole, Mass. or U.S. Coast Guard Washington, D. C.	Physical Oceanography Hydrography of Grand Banks and Vicinity.
Southcott, Miss B. Pacific Fisheries Exper. Sta. 898 Richards St. Vancouver, B. C.	Bacteriology, Spoilage, Preservation.
Spear, Mr. Harlan Boothbay Harbor Fishery Laboratory of the USFWS Boothbay Harbor, Maine	Invertebrate Zoology Clam Investigations, Census and Mortality Studies.

Spilhaus, Mr. A. F. Woods Hole Oceanographic Inst, Woods Hole, Mass. or University of Minnesota Minneapolis, Minn.	Physical Oceanography, Instruments
Stanford, Mr. E. E. Pacific Marine Station Dillon Beach, Calif. or College of the Pacific Stockton, Calif.	Botany Marine Algae.
Steinbach, Dr. H. Burr Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology Univ. of Minnesota Minneapolis, Minn.	Physiology Ionic Environment of the Cell.
Stetson, Mr. Henry C. Woods Hole Oceanographic Inst. Woods Hole, Mass. or Museum of Comparative Zoology Harvard University Cambridge, Mass.	Submarine Geology Marine Sedimentation.
Stevenson, Mr. J. C. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Herring Investigation.
Stokes, Dr. J. L. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif.	Microbiology Methylene Blue Effects on Metabolism.
Stommel, Mr. Henry M. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography Theory of Turbulence.
Sutton, Mr. John Univ. of Miami Marine Laboratory Coral Gables, Florida	Fishery Biology Studies on the Mullet in Florida.
Swain, Dr. L. A. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B. C.	Chemistry Fats, Oils, and Vitamins.

Swan, Dr. Emery F. Univ. of Washington Oceanogr. Laboratories Friday Harbor and Seattle, Wash.	Marine Invertebrate Zoology
Szent-Gyorgyi, Dr. Albert Marine Biological Laboratory Woods Hole, Mass.	Physiology (Director Institute for Muscle Research at MBL) Properties of Muscle.
Talbert, Mr. W. H. Sister Lake Marine Laboratory of the State of Louisiana Box 65, H uma, La.	Biologist Causes of Oyster Mortality.
Tarr, Dr. H. L. A. Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B. C.	Bacteriology Bacteriology, Preservation, Spoilage, Microbiology.
Taylor, Mr. Clyde C. Maine Dept. of Sea and Shore Fisheries, Fisheries Lab. Boothbay Harbor, Maine	Marine Invertebrate Zoology, Administration (Director) Biology of the Maine Lobster.
Taylor, Dr. Harden F. Univ. of No. Carolina Institute of Fisheries Research Morehead City, N. C.	Fishery Biology Survey of No. Carolina Coastal Fisheries.
Taylor, Dr. William R. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Botany, Univ. Michigan Ann Arbor, Mich.	Algology
Tester, Dr. Albert L. Hawaii Marine Laboratory University of Hawaii Honolulu, T. H.	Fishery Biology Biology and Population Dynamics of Baitfish, Engraulis purpureus.
Thompson, Dr. E. F. Bingham Oceanographic Laboratory Yale Univ., New Haven, Conn.	Ichthyology Causes of Vitamin A Fluctuations in Fishes. Life History of Winter Flounders.

Thompson, Dr. Thomas G. Univ. of Wash. Oceanogr. Labs. Friday Harbor and Seattle, Wash.	Chemical Oceanography, Administration (Director)
Thompson, Mr. Warren C. Scripps Institution of Oceanogr. La Jolla, Calif.	Physical Oceanography Sediments.
Thrailkill, Mr. James USFWS South Pacific Fishery Investigations Scripps Institution of Oceanogr. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the Sardine (Sardinops caerulea).
Tiller, Dr. Richard E. Boothbay Harbor Fishery Lab. of the USDI Fish and Wildlife Service Boothbay Harbor, Maine	Invertebrate Zoology Clam Investigations Management Studies.
Tollefson, Mr. Roger Shellfish Studies Division of Research, Oregon Fish Commission Newport, Oregon	Invertebrate Zoology, Administration (In Charge)
Trefethen, Mr. Parker Boothbay Harbor Fishery Laboratory of the USDI Fish and Wildlife Service Boothbay Harbor, Maine	Fishery Biology Herring Investigations.
Truitt, Dr. R. V. Chesapeake Biological Laboratory Solomons, Md.	Marine Biology, Administration (Director)
Turner, Mr. H. J. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Marine Biology Ecology of Shellfish.
Tully, Dr. J. P. Pacific Biological Station Nanaimo, B. C.	Chemical Oceanography
Twohy, Mr. Donald Shellfish Studies Division of Research, Oregon Fish Commission Newport, Oregon	Invertebrate Zoology

Tyler, Dr. Albert Marine Biological Laboratory Woods Hole, Mass. or Calif. Institute of Technology Pasadena, Calif.	Experimental Embryology Mechanism of Fertilization in Marine Organisms.
Underhill, Mr. Raymond Walla Walla College Biol. Sta. Anacortes, Washington or Walla Walla College College Place, Washington	Marine Invertobrate Zoology
Utterback, Dr. C. L. Univ. of Washington Oceanographic Laboratories Friday Harbor and Seattle, Wash.	Physical Oceanography
Van Cleve, Dr. Richard School of Fisheries, Univ. of Washington Seattle, Wash.	Fisheries Biology, Administration (Acting Director) Biology of Puget Sound Fish Populations.
Vandenheuvel, Mr. F. A. Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	Chemistry Marine Oil Research
Van Dousen, Mr. R. D. Chesapeake Biological Lab. Solomons, Md.	Marine Biology Natural Resources Inventory.
Van Engel, Mr. Willard A. Virginia Fisheries Laboratory Gloucestor Pt., Va.	Marine Invertebrate Zoology Studies on Blue Crab Populations.
Van Hyning, Mr. John Marine Fisheries Investigation Division of Research, Oregon Fish Commission Astoria, Oregon	Fishery Biology
Van Niel, Dr. C. B. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif.	Microbiology Methodisms of Metabolic Pathways.
Verrelman, Mr. F. A. Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Marine Biology

Vine, Mr. Allyn C. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography, Instruments Underwater Acoustics. Development of Oceanographic Instruments.
von Arx, Mr. W. S. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography, Hydrodynamics. Current Measuring Techniques. Model Studies of Circulation in Shallow Water.
Wade, Mr. W. E. Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Botany
Wald, Dr. George Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, Harvard Univ. Cambridge, Mass.	Physiology Chemistry of Animal Pigments.
Walker, Dr. J. F. Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss.	Marine Biology
Wallis, Mr. O. L. USFWS South Pacific Fishery Investigations 450-B Jordan Hall Stanford, Calif.	Fishery Biology Biology of the Sardine (<u>Sardinops caerulea</u>).
Walters, Mr. L L. Sister Lake Marine Laboratory of the State of Louisiana Box 65, Houma, La.	Marine Biology Causes of Oyster Mortality.
Waterman, Dr. T. H. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, Yale Univ. New Haven, Conn.	Invertebrate Zoology
Watson, Mr. E. E. Woods Hole Oceanographic Inst. Woods Hole, Mass.	Physical Oceanography, Hydrodynamics. Current Measurements.
Wattie, Miss Elsie Woods Hole Oceanographic Inst. Woods Hole, Mass.	Bacteriology Shellfish Pollution.

Welander, Dr. A. D. School of Fisheries, Univ. Wash. Seattle, Wash.	Ichthyology Fishes of Western Central Pacific.
Welch, Mr. Walter Boothbay Harbor Fishery Lab. of the USDI Fish and Wildlife Service Boothbay Harbor, Maine	Invertebrate Zoology Clam Investigations, Statistics of Fishery Larval Studies.
Westrheim, Mr. Sigurd J. Marine Fisheries Investigation Division of Research Oregon Fish Commission Astoria, Oregon	Fishery Biology
Whaley, Mr. Horace H. Chesapeake Bay Institute The Johns Hopkins University 1315 St. Paul St. Baltimore, Md. or RFD 2, Annapolis, Md.	Marine Biology The Study of the Effect of Cuprinol on Oyster Cults to Increase Setting Potential.
Whitaker, Dr. Douglas M. Hopkins Marine Station of Stanford Univ. Pacific Grove, Calif. or Dept. of Biology Stanford, Univ. Stanford, Calif.	Experimental Embryology
White, Mr. H. C. Atlantic Biological Laboratory St. Andrews, New Brunswick	Fishery Biology Effect of Kingfishers on Salmon Fingerlings.
Widrig, Mr. Theodore M. USFWS South Pacific Fishery Investigations 450-B Jordan Hall Stanford, Calif.	Statistician
Wiggins, Mr. John R. U.S. Fisheries Laboratory P.O. Box 1826 Pensacola, Florida	Marine Invertebrate Zoology Biology of Oysters.
Wilder, Dr. D. G. Atlantic Biological Station St. Andrews, New Brunswick	Marine Invertebrate Zoology, Administration (Assistant Director) Biology of the Lobster.

Williams, Dr. Robert H.	University of Miami Marine Lab. Coral Gables, Florida	Chemical Oceanography, Ecology
Williams, Mr. R. W.	State Fisheries Laboratory Fisheries Hall No. 3 Univ. of Washington Seattle, Wash.	Fishery Biology Marine Fisheries.
Wood, Mr. A. L.	Atlantic Fisheries Exper. Sta. Halifax, Nova Scotia	Engineering Applied Field Engineering.
Wood, Dr. R. D.	Marine Biological Laboratory Woods Hole, Mass. or Dept. of Botany Rhode Island State College Kingston, Rhode Island	Marine Botany
Woodcock, Mr. A. H.	Woods Hole Oceanographic Inst. Woods Hole, Mass.	Meteorology Distribution of Sea Salt in the Atmosphere.
Woollard, Mr. George P.	Woods Hole Oceanographic Inst. Woods Hole, Mass. or Univ. of Wisconsin Madison, Wisconsin	Geophysics Underwater Acoustics. Gravity Measurements.
Wray, Mr. D. W.	Texas A & M Research Foundation Laboratory Grand Isle, La.	Marine Biology Causes of Oyster Mortality.
Wrinch, Dr. Dorothy	Marine Biological Laboratory Woods Hole, Mass. or Smith College Northampton, Mass.	Crystallography and Biogeometry.
Yamaguchi, Mr. Yoshio	Division of Fish and Game Honolulu, T. H.	Fishery Biology Studies on the Biology of the Scad.
Young, Mr. O. C.	Pacific Fisheries Exp. Sta. 898 Richards St., Vancouver, B.C.	Research Engineer Refrigeration, Insulation.

Zinn, Dr. Donald J. Narragansett Marine Laboratory Kingston, Rhode Island	Marine Biology Ecology of *Venus mercenaria*.
Zobell, Dr. Claude E. Scripps Institution of Oceanography La Jolla, Calif.	Marine Microbiology

ADDENDUM

Bolick, Miss Irene Marine Biological Laboratory Florida State University Tallahassee, Fla.	Marine Invertebrate Zoology
Brett, Mr. J. R. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Studies on Skeena River Salmon.
Cameron, Mr. W. M. Pacific Biological Station Nanaimo, B. C.	Oceanography Oceanography of Chatham Sound.
Devinney, Miss Ezda M. Marine Biological Laboratory Florida State University Tallahassee, Florida	Marine Zoology Regeneration.
Gibson, Mr. J. S. T. Pacific Biological Station Nanaimo, B. C.	Fishery Biology
Humm, Dr. Harold J. Marine Biological Laboratory Florida State University Tallahassee, Florida	Marine Algology Agar Production.
Hunter, Mr. J. G. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Salmon Investigations.
Jacobs, Dr. Merkel H. Marine Biological Laboratory Woods Hole, Mass. or Dept. of Physiology, U. of Penn. Philadelphia, Pa.	Physiology

Kurz, Dr. Herman Marine Biological Laboratory Florida State University Tallahassee, Florida	Plant Ecology
Lanigan, Mr. J. A. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Herring Investigations.
McConnell, Mr. J. A. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Studies on Skeena River Salmon.
McMahon, Mr. V. A. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Studies on the Migration of Salmon.
McMynn, Mr. R. G. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Herring Investigations.
Outram, Mr. D. N. Pacific Biological Station Nanaimo, B. C.	Fishery Biology
Robertson, Mr. J. G. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Salmon Investigations.
Stephenson, Mr. Henry Marine Biological Laboratory Florida State University Tallahassee, Florida	Ecology
Taylor, Mr. F. H. C. Pacific Biological Station Nanaimo, B. C.	Fishery Biology
Withler, Mr. F. C. Pacific Biological Station Nanaimo, B. C.	Fishery Biology Salmon Investigations.