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A DIRECTORY
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MARINE LABORATORIES
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AND
CANADA



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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.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in financial operations. This section also highlights the need for regular audits and reviews to identify any discrepancies or irregularities.

2. The second part of the document focuses on the implementation of robust internal controls. It outlines various measures that can be taken to minimize the risk of fraud and errors, such as segregation of duties, authorization procedures, and regular reconciliations. The document stresses that these controls should be tailored to the specific needs and risks of the organization.

3. The third part of the document addresses the role of technology in enhancing financial reporting and analysis. It discusses how modern software solutions can streamline data collection, processing, and reporting, thereby improving the accuracy and timeliness of financial information. The document also mentions the importance of data security and access controls in this context.

4. The fourth part of the document discusses the importance of communication and collaboration between different departments and stakeholders. It emphasizes that clear communication is essential for ensuring that all parties are aware of their responsibilities and the overall financial goals of the organization. The document suggests regular meetings and reports to facilitate this communication.

5. The fifth part of the document discusses the importance of staying up-to-date with the latest financial regulations and standards. It emphasizes that compliance is a critical aspect of financial reporting and that organizations must have a system in place to monitor and update their practices accordingly. The document suggests that organizations should seek professional advice when needed to ensure full compliance.

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QUESTION 1

1. The following table shows the number of people who visited the National Gallery in London in each year from 1990 to 2000. The number of people is given in thousands.

Year	Number of people (in thousands)
1990	120
1991	125
1992	130
1993	135
1994	140
1995	145
1996	150
1997	155
1998	160
1999	165
2000	170

2. The following table shows the number of people who visited the British Museum in each year from 1990 to 2000. The number of people is given in thousands.

Year	Number of people (in thousands)
1990	100
1991	105
1992	110
1993	115
1994	120
1995	125
1996	130
1997	135
1998	140
1999	145
2000	150

3. The following table shows the number of people who visited the Tate Gallery in each year from 1990 to 2000. The number of people is given in thousands.

Year	Number of people (in thousands)
1990	80
1991	85
1992	90
1993	95
1994	100
1995	105
1996	110
1997	115
1998	120
1999	125
2000	130

4. The following table shows the number of people who visited the Victoria and Albert Museum in each year from 1990 to 2000. The number of people is given in thousands.

Year	Number of people (in thousands)
1990	60
1991	65
1992	70
1993	75
1994	80
1995	85
1996	90
1997	95
1998	100
1999	105
2000	110

5. The following table shows the number of people who visited the Natural History Museum in each year from 1990 to 2000. The number of people is given in thousands.

Year	Number of people (in thousands)
1990	40
1991	45
1992	50
1993	55
1994	60
1995	65
1996	70
1997	75
1998	80
1999	85
2000	90

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- 1. The first part of the text discusses the importance of maintaining accurate records of all transactions.
- 2. It is essential to ensure that all data is entered correctly and that the system is regularly updated.
- 3. The second part of the text describes the various methods used to collect and analyze data.
- 4. These methods include surveys, interviews, and focus groups, each with its own strengths and weaknesses.
- 5. The third part of the text discusses the challenges of data collection and analysis, such as bias and sampling error.
- 6. It is important to be aware of these challenges and to take steps to minimize their impact.
- 7. The final part of the text discusses the importance of data security and privacy.
- 8. It is essential to protect sensitive information and to ensure that data is only used for its intended purpose.

Conclusion

The text concludes by emphasizing the importance of data in decision-making and the need for a systematic approach to data collection and analysis.

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

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).

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

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. A. MacCallum
W. J. Dyer	F. A. Vandenheuvel
M. A. Foley	A. L. Wood

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.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

3. The third part of the document discusses the importance of maintaining accurate records of all transactions and activities.

4. The fourth part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

5. The fifth part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

6. The sixth part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

7. The seventh part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

8. The eighth part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

9. The ninth part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

10. The tenth part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

11. The eleventh part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

12. The twelfth part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

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.

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

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.

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

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).

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.

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The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in financial operations.

In addition, the document outlines the various methods used to collect and analyze data, including surveys, interviews, and focus groups. These methods are designed to gather comprehensive information about the subjects being studied, allowing for a more thorough understanding of the underlying issues.

The analysis of the collected data reveals several key findings that have significant implications for the field. These findings include the identification of common trends and patterns, as well as the discovery of areas that require further research and attention.

Based on these findings, the document provides a series of recommendations and suggestions for future research and practice. These recommendations are intended to guide researchers and practitioners in their efforts to address the identified issues and improve the overall quality of the work.

Finally, the document concludes by highlighting the importance of ongoing communication and collaboration among all stakeholders involved in the research process. It stresses that a collaborative approach is essential for ensuring that the research is both relevant and impactful.

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	Marine Invertebrate Zoology Marine Invertebrate Embryology
Plant Ecology	
Marine Ecology	

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

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	

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	Fisheries Management
Fauna	Oceanography
Comparative Invertebrate	Development of Marine Invertebrates
Physiology	
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.

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



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	Ecology of Marine Animals.
General and Comparative	General Ichthyology
Physiology	Algology
General Microbiology	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	J. L. Stokes
Rolf L. Bolin	C. B. van Niel
A. C. Giese	



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.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to ensure the validity of the results.

3. The third part of the document describes the different types of data that are collected and analyzed. It includes information on both quantitative and qualitative data, as well as the specific variables being measured.

4. The fourth part of the document discusses the various statistical techniques used to analyze the data. It covers both descriptive and inferential statistics, as well as the use of regression analysis and other advanced methods.

5. The fifth part of the document describes the different ways in which the results of the analysis are presented and communicated. It includes information on the use of tables, graphs, and other visual aids to make the data more accessible and understandable.

6. The sixth part of the document discusses the various challenges and limitations associated with data collection and analysis. It highlights the need for careful planning and execution to ensure the quality and reliability of the data.

7. The seventh part of the document describes the different ways in which the results of the analysis are used to inform decision-making and policy development. It includes information on the use of data to identify trends, assess risks, and evaluate the effectiveness of various programs and initiatives.

8. The eighth part of the document discusses the various ethical considerations that must be taken into account when collecting and analyzing data. It highlights the need for transparency, accountability, and respect for individual privacy and rights.

9. The ninth part of the document describes the different ways in which the results of the analysis are used to inform the public and other stakeholders. It includes information on the use of data to raise awareness, educate the public, and influence policy-making.

10. The tenth part of the document discusses the various future directions and opportunities for data collection and analysis. It highlights the need for continued research and innovation in this field to ensure that the organization remains at the forefront of data-driven decision-making.

Courses offered:

Marine Biology	Marine Ecology
Advanced Marine Biology	Fisheries Biology
Advanced Marine Invertebrate Zoology	

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

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 John T. Nichols
Francesca R. LaMonte Priscilla Rasquin

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

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

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

Marine Botany

Physiology

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.

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)	Parasites of Marine Animals
Animal Ecology	Plant Ecology of the Gulf Coast
Marine Algae	Ecology of Coastal Birds
Plankton	Biology of Fishes
Invertebrate Zoology	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

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.



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes the use of specialized software tools and manual data entry processes. The goal is to ensure that the data is both accurate and comprehensive, covering all relevant aspects of the study.

The third part of the document focuses on the results of the data analysis. It presents several key findings that have emerged from the study. These findings are supported by statistical data and visual representations, such as charts and graphs, which help to illustrate the trends and patterns in the data.

Finally, the document concludes with a discussion of the implications of the findings. It suggests that the results have significant implications for the field of study and offers recommendations for further research. The author also acknowledges the limitations of the study and provides a clear path forward for future investigations.

The overall structure of the document is designed to be clear and concise, allowing the reader to easily follow the progression of the study from the initial data collection to the final conclusions. Each section is clearly defined and includes relevant details to support the main points.

Appendix A: Detailed Data Tables and Statistical Analysis

This appendix provides a comprehensive overview of the data used in the study. It includes several tables that present the raw data, as well as detailed statistical analysis of the results. The tables are organized in a way that makes it easy to compare and contrast different data points and understand the overall trends.

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

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 Hying
Sigurd J. Westrheim

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.

equivalent to the following: $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

where $\delta(x)$ is the Dirac delta function, which is zero everywhere except at $x=0$, where it is infinite, and its integral over the entire real line is 1.

Using the definition of the Dirac delta function, we can write:

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

where $f(x)$ is a continuous function at $x=a$.

Properties of the Dirac delta function

1. $\int_{-\infty}^{\infty} \delta(x) dx = 1$

$$\int_{-\infty}^{\infty} \delta(x) dx = 1$$

2. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

3. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

4. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

5. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

Applications of the Dirac delta function

1. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

2. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

3. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

4. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

$$\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$

5. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

6. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

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

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	P. J. Schmidt
N. E. Cooke	B. Southcott
J. S. M. Harrison	L. A. Swain
A. W. Lantz	H. L. A. Tarr
S. W. Roach	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 Algae
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

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.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. This section outlines the various methods and tools used to collect and store data, ensuring that all information is readily accessible and secure.

2. The second part of the document focuses on the analysis and interpretation of the collected data. It describes the process of identifying trends, patterns, and anomalies, and how these insights are used to inform decision-making. This section also discusses the challenges associated with data analysis, such as the need for skilled personnel and the potential for bias or misinterpretation.

3. The third part of the document addresses the legal and ethical considerations surrounding data collection and analysis. It highlights the importance of obtaining proper consent from individuals whose data is being collected, and the need to adhere to applicable laws and regulations. This section also discusses the potential for data breaches and the steps that should be taken to prevent and respond to such incidents.

4. The fourth part of the document discusses the future of data collection and analysis. It explores emerging technologies and trends, such as artificial intelligence and big data, and how these are expected to impact the field. This section also discusses the ongoing need for innovation and improvement in data collection and analysis methods.

5. The fifth part of the document provides a summary of the key findings and conclusions of the study. It reiterates the importance of accurate record-keeping and the need for transparency and accountability. It also discusses the implications of the findings for future research and practice, and offers recommendations for how to improve data collection and analysis processes.

Expenses for laboratory accommodations: None if work is approved.

Expenses for room and board: Not available.

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

Name of laboratory: Pomona College Biological Laboratory.

Location: Now held at Wm. G. Kerekhoff 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 Invertebrates

Marine Zoology

Marine Vertebrates

Capacity for visiting investigators: None.

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. Cochran	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	



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

Location: Newport, Oregon

1. The first part of the document discusses the importance of maintaining accurate records of all transactions.

2. It is essential to ensure that all data is entered correctly and consistently.

3. Regular audits should be conducted to verify the accuracy of the records.

4. The second part of the document outlines the procedures for handling discrepancies.

5. Any errors identified during an audit should be investigated immediately.

6. The third part of the document provides a detailed description of the accounting system.

7. This section includes a list of all accounts and their respective balances.

8. The fourth part of the document discusses the methods used for data collection.

9. Data is collected through a combination of manual entry and automated systems.

10. The fifth part of the document describes the reporting process.

11. Reports are generated on a regular basis to provide management with up-to-date information.

12. The sixth part of the document discusses the security measures in place.

13. All data is stored securely and access is restricted to authorized personnel only.

14. The seventh part of the document discusses the future plans for the system.

15. It is planned to upgrade the system to a more advanced version in the near future.

16. The eighth part of the document discusses the conclusion of the project.

17. The project has been completed successfully and all objectives have been met.

18. The final part of the document discusses the next steps for the organization.

Director: D. L. McKernan, Dir. of Res.; Roger Tollofson, 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.).

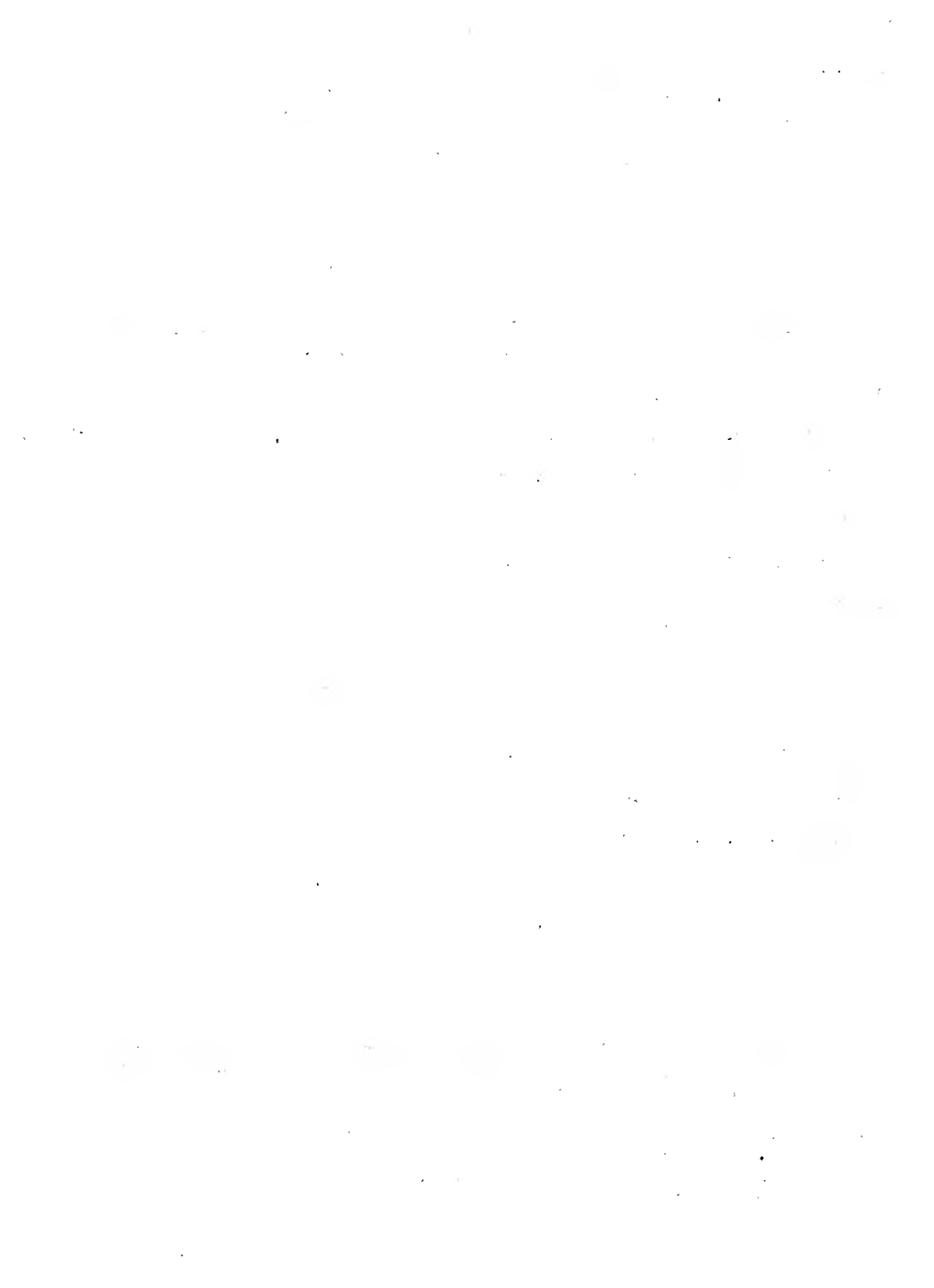
Director: John C. Marr.

Financial support: USFWS.

Season of operation: All year.

Function of laboratory: Research.

Capacity for visiting investigators: None.



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in financial management.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to ensure the validity of the results.

3. The third part of the document describes the different types of data that are collected and analyzed. It includes information on both quantitative and qualitative data, as well as the various sources from which the data is gathered.

4. The fourth part of the document discusses the various statistical methods and techniques used to analyze the data. It covers topics such as descriptive statistics, inferential statistics, and regression analysis.

5. The fifth part of the document discusses the various ways in which the results of the analysis can be presented and communicated. It includes information on the use of tables, graphs, and charts to effectively convey the findings.

6. The sixth part of the document discusses the various ways in which the results of the analysis can be used to inform decision-making. It highlights the importance of using the data to identify trends and patterns that can be used to guide future actions.

7. The seventh part of the document discusses the various ways in which the results of the analysis can be used to evaluate the performance of an organization. It includes information on the use of key performance indicators (KPIs) and other metrics to measure success.

8. The eighth part of the document discusses the various ways in which the results of the analysis can be used to improve the efficiency and effectiveness of an organization. It includes information on the use of data to identify areas for improvement and to develop strategies to address these areas.

9. The ninth part of the document discusses the various ways in which the results of the analysis can be used to inform policy-making. It includes information on the use of data to identify trends and patterns that can be used to guide the development of policies.

10. The tenth part of the document discusses the various ways in which the results of the analysis can be used to inform research. It includes information on the use of data to identify areas for further research and to develop hypotheses for testing.

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.

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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.

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

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	Ernest S. Reynolds
Herman Doochin	Luis R. Rivas
Clarence P. Idyll	John W. Sutton
Robert M. Ingle	James Q. Tierney
M. Jones	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	Eugene W. Roelofs
Alphonse F. Chestnut	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	Advanced Invertebrate Zoology
Problems in Fisheries Biology	Marine Microbiology
Advanced Invertebrate Embryology	General Oceanography

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

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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	Aquatic Invertebrates of Commercial
Ecology of Fishes	Importance
Propagation and Nutrition of Fish	Anatomy, Physiology and Phylogeny of
Fisheries Technology	Fishes
By-products Utilization	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.

Dear Mother, I received your letter of the 12th and was glad to hear from you. I am well and hope these few lines will find you all the same.

I am still in the hospital and the doctors say I am getting better. I shall be home soon.

I have not much news to write at present. The weather is very cold here now.

I shall write again when I have more news to tell you. I love you all very much.

Yours affectionately,

I am sure you will be glad to hear that I am getting on my feet again. I shall be home in a few days.

I shall be home in a few days. I shall be home in a few days.

I shall be home in a few days. I shall be home in a few days.

I shall be home in a few days. I shall be home in a few days.

I shall be home in a few days. I shall be home in a few days.

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



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	Hydrobiology
Biology of Fishes	Chemical and Physical Oceanography
Marine and Freshwater Invertebrates	(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	William H. Mossman
A. R. Armstrong	Willard A. Van Engel
Dexter Haven	



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	Bruce W. Halstead
Elwood R. Booth	Raymond A. Underhill
Beatrice I. Emery	

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

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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	A. S. Rhoads
Dorothy J. Brown	Albert P. Richards
C. Irene Damon	

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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.

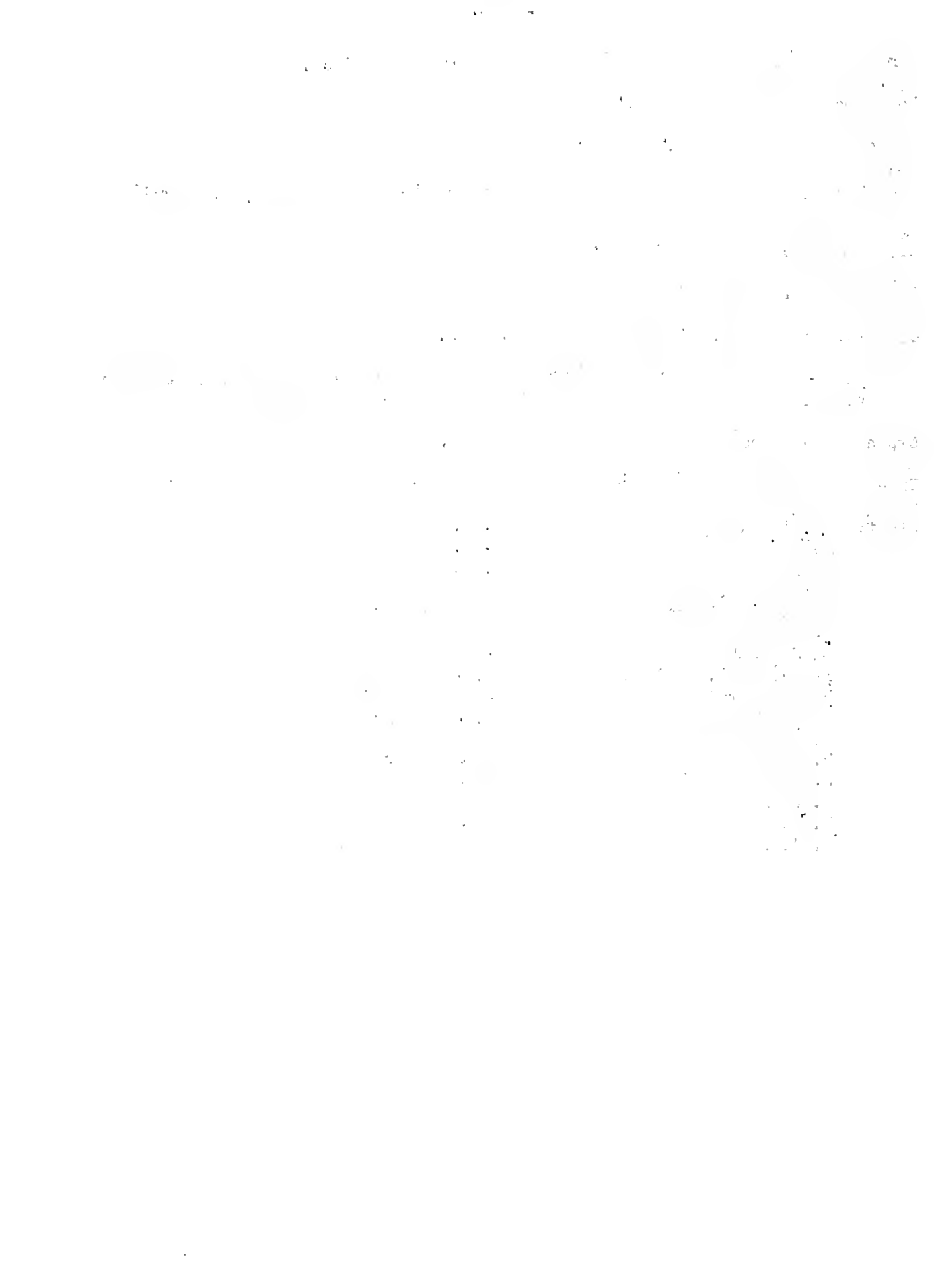
Capacity for visiting investigators: Fifteen.

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



Ahlstrom, Dr. Elbert H. USEFS South Pacific Fishery Investigations Scripps Inst. of Oceanog. La Jolla, Calif.	Fishery Biology Studies on the Eggs and Larvae of the sardine, <u>Sardinops caerulea</u> .
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. USEFS 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. USEFS 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 Insti- tution Woods Hole, Mass.	Physical Oceanography Explosive Phenomena in Sea Water.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for a systematic approach to data collection and the importance of using reliable and valid measurement instruments.

3. The third part of the document describes the process of data analysis and interpretation. It discusses the various statistical techniques used to analyze the data and the importance of interpreting the results in the context of the research objectives.

4. The fourth part of the document discusses the ethical considerations involved in conducting research. It emphasizes the need for researchers to adhere to ethical principles and to obtain informed consent from all participants.

5. The fifth part of the document discusses the importance of reporting research findings. It emphasizes the need for researchers to provide a clear and concise summary of their findings and to discuss the implications of their research.

6. The sixth part of the document discusses the role of research in the development of theory and practice. It emphasizes the need for researchers to engage in a continuous process of learning and improvement.

7. The seventh part of the document discusses the importance of collaboration and teamwork in research. It emphasizes the need for researchers to work together and to share their knowledge and resources.

8. The eighth part of the document discusses the importance of staying current in the field of research. It emphasizes the need for researchers to keep up-to-date with the latest research findings and to engage in ongoing professional development.

9. The ninth part of the document discusses the importance of communication in research. It emphasizes the need for researchers to communicate their findings effectively to their colleagues and to the public.

10. The tenth part of the document discusses the importance of reflection and self-evaluation in research. It emphasizes the need for researchers to reflect on their own work and to evaluate their performance.

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

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- Blomquist, Dr. H.L. Botany
Duke Univ. Marine Lab.
Beaufort, No. Carolina
or Dept. of Botany, Duke Univ.
Durham, No. Carolina
- Bolin, Dr. Rolf L. Ichthyology, Ecology
Hopkins Marine Station of
Stanford Univ.
Pacific Grove, Calif. Systematic Review of the Myctophidae
of the World.
- Bookhout, Dr. C.G. Marine Invertebrate Zoology
Embryology and Histology of Marine
Annelids.
- Booth, Mr. Elwood R. Marine Invertebrate Zoology
Walla Walla Coll. Biol. Sta.
Anacortes, Wash.
or Walla Walla College
College Place, Wash.
- Booth, Dr. Ernest S. Ecology, Administration (Director)
Walla Walla Coll. Biol. Sta.
Anacortes, Wash.
or Walla Walla College
College Place, Washington
- Boswell, Mr. J.L. Biologist
Texas A & M Research Found. Lab. Causes of Oyster Mortality.
Grand Isle, La.
- Boudreaux, Dr. H. Bruce Marine Biology
Louisiana State Univ. Marine
Biological Lab.
Grand Isle, La.
- Broda, Mr. E.J. Biologist
Sister Lake Marine Laboratory Causes of Oyster Mortality.
of the State of Louisiana
Box 65, Houma, La.
- Breder, Dr. C.M., Jr. Ichthyology, Administration
(Director)
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.

Broad, Mr. Alfred C.	Invertebrate Zoology
Univ. of No. Carolina Institute of Fisheries Research Morehead City, N.C.	Shrimp Investigations.
Brock, Mr. Vernon E.	Fishery Biology, Administration (Chief)
Division of Fish and Game Honolulu, T.H.	Biometrical Studies on Central Pacific Tunas.
Brooke, Mr. John	Fishery Biology
Coastal Rivers Salmon Research Division of Research, Oregon Game Commission Bay City, Oregon	
Brown, Miss Dorothy J.	Marine Biology
Wm. F. Clapp Laboratories, Inc. Washington St. Duxbury, Mass.	Marine Fouling Organisms.
Brown, Dr. F.A., Jr.	Invertebrate Zoology
Marine Biological Laboratory Woods Hole, Mass. or Dept. of Zoology, Northwestern U.	Invertebrate Endocrinology
Buller, Mr. Raymond J.	Fishery Biology
U.S. Fisheries Laboratory Woods Hole, Mass.	Census of Fish Populations on George's Bank.
Bumpus, Dr. Dean F.	Biological Oceanography
Woods Hole Oceanographic Inst. Woods Hole, Mass.	Coastal Circulation Cape Hatteras to Florida. Productivity of Mediterranean Sea.
Burbanck, Dr. W.D.	Invertebrate Zoology
Marine Biological Laboratory Woods Hole, Mass. or Dept. of Biology, Drury College	
Burt, Mr. Wayne V.	Oceanography
Chesapeake Bay Institute Johns Hopkins Univ. 1315 St. Paul Street Baltimore, Md. or RFD 2, Annapolis, Md.	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	Fishery Technology
Pacific Oceanic Fisheries Investigation University of Hawaii Honolulu, T.H.	
Butler, Dr. Phillip A.	Marine Invertebrate Zoology
U.S. Fisheries Laboratory P.O. Box 1826 Pensacola, Florida	
Butler, Mr. T.H.	Invertebrate Zoology
Pacific Biological Station Nanaimo, B.C.	
Calderwood, Miss Margaret M.	Fishery Biology
USFWS South Pacific Fishery Inv. Scripps Inst. of Oceanog. La Jolla, Calif.	
Carey, Dr. Cornelia L.	Marine Bacteriology
Woods Hole Oceanographic Inst. Woods Hole, Mass.	
Carlson, Mr. Carl	Fishery Engineering
Pacific Oceanic Fisheries Investigation University of Hawaii Honolulu, T.H.	
Carricker, Dr. Melbourne R.	Invertebrate Zoology
Rutgers Univ. Marine Lab. Cape May, New Jersey	
Carritt, Dr. Dayton E.	Chemical Oceanography
Chesapeake Bay Institute The Johns Hopkins University 1315 St. Paul St., Baltimore, Md. or RFD 2, Annapolis, Md.	
Carter, Dr. N.M.	Development of Instruments for Potentiometric Measurements of Dissolved Oxygen Content.
Phosphate Adsorption by Silt.	
Carter, Dr. N.M.	Chemist, Administration (Director)
Pacific Fisheries Exp. Sta. 898 Richards St. Vancouver, B.C.	
Castell, Mr. C.H.	Bacteriology
Atlantic Fisheries Exp. Sta. Halifax, Nova Scotia	
Fisheries Bacteriology.	

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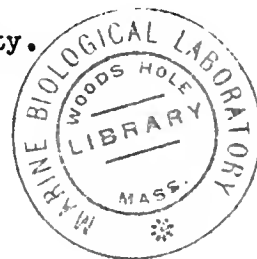
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Caylor, Dr. Richard L.	Botany, Administration (Director)
Gulf Coast Research Laboratory Box 336, Ocean Springs, Miss. or Delta State Teachers College Cleveland, Miss.	
Chestnut, Mr. Alphonse F.	Invertebrate Zoology
U. of N. Carolina Institute of Fishery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



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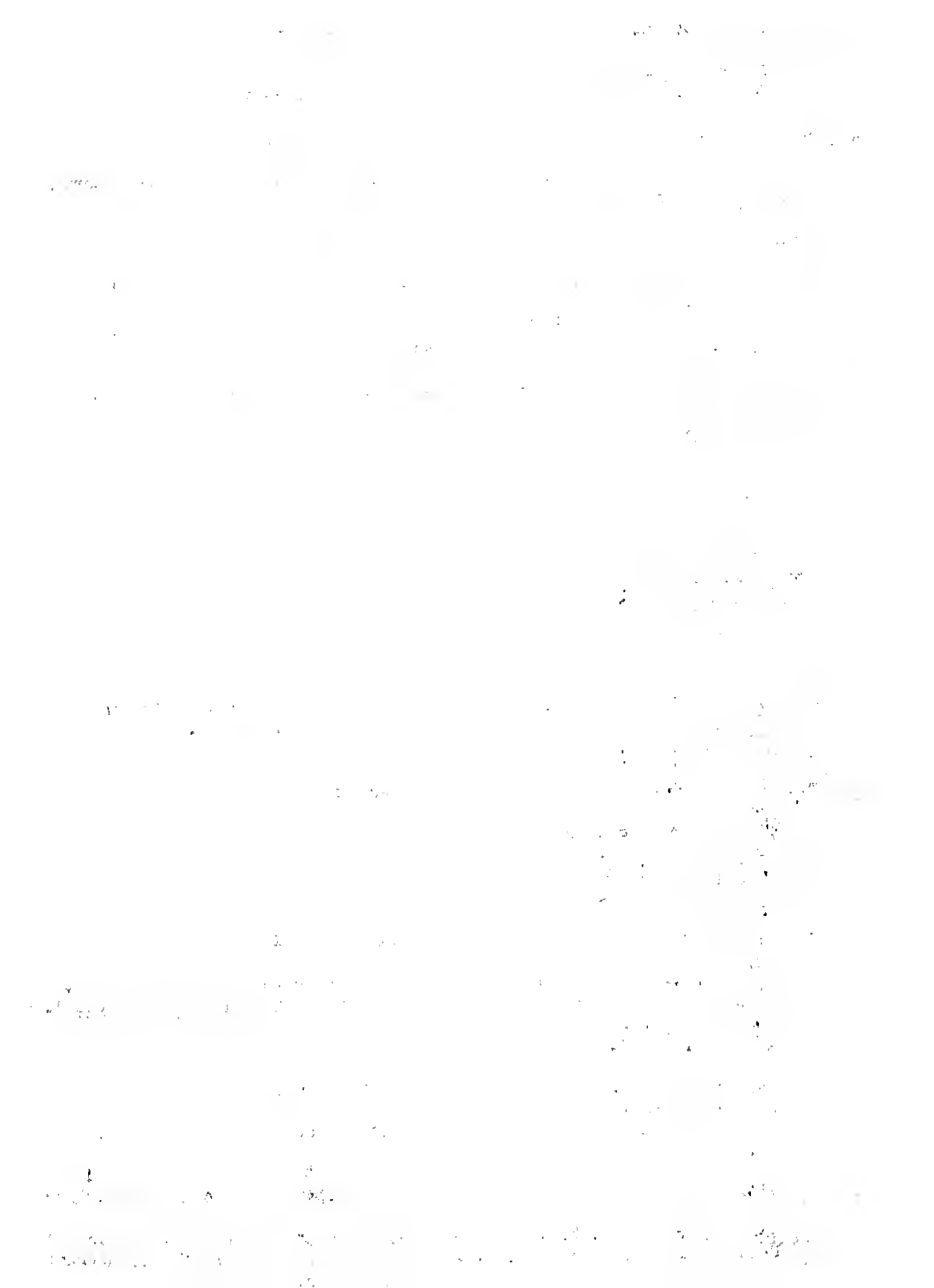
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Coker, Mr. Coit M. Chesapeake Biological Laboratory Solomons, Md.	Fishery Biology Fishery Investigations.
Collyer, Mr. R.D. California State Fisheries Lab. Terminal Island, Calif.	Fishery Biology Statistical Analysis of Marine Sport Fishing.
Colton, 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 F. 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 (<u>Sardinops caerulea</u>).
Cresser, Dr. Edwin P. Bermuda Biological Sta. for Research St. George's, Bermuda	Marine Invertebrate Zoology Biology of the Spiny Lobster.
Cronwell, 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.	Chemistry
Chesapeake Biological Laboratory Solomons, Md.	
Cronin, Dr. L. Eugene	Marine Biology
Chesapeake Biological Laboratory Solomons, Md.	Crab Investigations.
Damon, Miss C. Irene	Marine Biology
Wm. F. Clapp Laboratories, Inc. Washington St. Duxbury, Mass.	Marine Fouling Organisms.
Daugherty, Mr. F.M., Jr.	Marine Invertebrate Zoology.
Texas Game, Fish and Oyster Commission Laboratory Rockport, Texas	Life History and Ecology of <u>C. sapidus</u> . Comparative Study of Shrimp Trawls.
Davey, Mr. Richard	Bacteriology
Maine Dept. of Sea and Shore Fisheries, Fisheries Lab. Boothbay Harbor, Maine	Coastal Pollution Studies.
Davis, Mr. Fred	Chemistry
Univ. of Miami Marine Lab. Coral Gables, Florida	Commercial Potentialities of <u>Sargassum</u> .
Davis, Mr. H.C.	Embryology
Marine Biol. Lab., USFWS Milford, Connecticut	Larvology of Lamellibranchs.
Dawson, Dr. E. Yale	Botany
The Allan Hancock Foundation for Scientific Research University Park, Los Angeles, Calif.	Marine Algae.
Day, Mr. L.R.	Fishery Biology
Atlantic Biological Station St. Andrews, New Brunswick	Biology of Tuna and Billfish.
Deevey, Dr. G.B.	Zooplankton
Bingham Oceanographic Lab. Yale Univ., New Haven Conn.	
DeLacy, Dr. A.C.	Ichthyology
School of Fisheries, U. Wash. Seattle, Wash.	Biology of Puget Sound Fish Populations.

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

the same as the one in the previous problem. If $\mathbf{r}(t)$ is the position vector of the particle at time t , then

$$\mathbf{r}(t) = \int \mathbf{v}(t) dt$$

so that

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

1. The first part of the document is a list of items.

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

Dear Sir,

Reference is made to your letter of the 15th inst.

in relation to the above mentioned subject.

The matter is being considered by the relevant authorities.

Yours faithfully,

(Signature)

(Signature)

(Name)

(Name)

(Address)

(Address)

(City)

(City)

(Phone)

(Phone)

(Fax)

(Fax)

(E-mail)

(E-mail)

(Website)

(Website)

(Social Media)

(Social Media)

(Notes)

(Notes)

(Additional Information)

(Date)

(Time)

(Time)

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(Time)

(Time)

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

The first part of the report deals with the general situation in the country. It is noted that the economy is still in a state of depression, and that the government has taken various measures to stimulate it. The report also discusses the social conditions, which are generally poor, and the need for social reforms.

In the second part, the report discusses the progress of the government's policies. It is noted that the government has succeeded in reducing the rate of inflation, and that the economy has begun to show signs of recovery. However, it is also noted that the government has not succeeded in reducing the unemployment rate, and that the social conditions remain poor.

The third part of the report discusses the foreign relations of the country. It is noted that the country has maintained a policy of non-alignment, and that it has established friendly relations with various countries. The report also discusses the country's participation in the United Nations, and its role in the maintenance of international peace and security.

Finally, the report discusses the government's plans for the future. It is noted that the government is committed to the development of the country, and to the improvement of the living standards of its people. The report also discusses the government's plans to carry out social reforms, and to improve the education system.

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

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

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and government operations. The text notes that such records are not only required by law but also serve as a critical tool for monitoring performance and ensuring that resources are used efficiently and effectively.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for standardized procedures to ensure the reliability and consistency of the information gathered. The text describes how data is collected through various channels, including direct observation, interviews, and the use of specialized software. It also discusses the importance of data validation and quality control to minimize errors and ensure that the information is accurate and trustworthy.

3. The third part of the document focuses on the analysis and interpretation of the collected data. It explains how the data is processed and analyzed to identify trends, patterns, and key findings. The text notes that this process often involves the use of statistical methods and data visualization techniques to make the information more accessible and understandable. It also discusses the importance of contextualizing the data within the relevant framework to draw meaningful conclusions and inform decision-making.

4. The fourth part of the document discusses the reporting and communication of the findings. It emphasizes that the results of the analysis must be presented in a clear, concise, and transparent manner to ensure that all stakeholders can understand and act upon the information. The text describes the various formats and channels used for reporting, including written reports, presentations, and public forums. It also notes the importance of providing supporting evidence and documentation to back up the findings and conclusions.

5. The fifth part of the document discusses the implications and applications of the findings. It explains how the information gathered can be used to inform policy-making, improve service delivery, and enhance the overall effectiveness of the organization. The text notes that the findings can also be used to identify areas for improvement and to develop targeted interventions to address any identified issues. It emphasizes that the ultimate goal is to use the information to drive positive change and improve the lives of the people served.

6. The sixth part of the document discusses the challenges and limitations of the process. It acknowledges that there are many factors that can affect the quality and reliability of the data, including human error, incomplete information, and changing circumstances. The text notes that it is important to be aware of these challenges and to take steps to minimize their impact. It also discusses the importance of ongoing monitoring and evaluation to ensure that the process remains effective and relevant over time.

7. The seventh part of the document discusses the future of the process and the role of technology. It notes that advances in data collection and analysis tools are making the process more efficient and effective. The text describes how new technologies, such as artificial intelligence and machine learning, are being used to automate tasks and improve the accuracy of the analysis. It also discusses the importance of staying up-to-date on the latest developments in the field to ensure that the process remains at the forefront of best practices.

8. The eighth part of the document discusses the importance of collaboration and partnership. It notes that the process is often a complex and multi-faceted one that requires the input and expertise of many different stakeholders. The text describes how collaboration and partnership are essential for ensuring that the process is comprehensive and effective. It also notes that building strong relationships and trust between stakeholders is a key to successful outcomes.

9. The ninth part of the document discusses the importance of transparency and accountability. It notes that the process is often subject to public scrutiny and that it is important to be open and honest about the findings and conclusions. The text describes how transparency and accountability are essential for building trust and credibility with the public. It also notes that providing clear and accessible information is a key to ensuring that the process is seen as fair and equitable.

10. The tenth part of the document discusses the importance of continuous improvement. It notes that the process is not a one-time event but rather an ongoing one that requires regular review and evaluation. The text describes how continuous improvement is essential for ensuring that the process remains effective and relevant over time. It also notes that seeking feedback from stakeholders and using it to make improvements is a key to success.

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.

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

1. Introduction

2. Background

3. Methodology

4. Results

5. Discussion

6. Conclusion

7. References

8. Appendix

9. Index

10. Summary

11. Abstract

12. Keywords

13. Author's Note

14. Correspondence

15. Conflict of Interest

16. Disclaimer

17. Copyright

18. Open Access

19. Supplementary Material

20. References

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

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

The following is a list of the members of the American Medical Association for the year 1908. The members are listed in alphabetical order by their last names. Each entry includes the member's name, their address, and their profession. The list is organized into several columns, with the names in the first column, addresses in the second, and professions in the third. The members are listed in the following order: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

A. J. [Name], [Address], [Profession]

B. J. [Name], [Address], [Profession]

C. J. [Name], [Address], [Profession]

D. J. [Name], [Address], [Profession]

E. J. [Name], [Address], [Profession]

F. J. [Name], [Address], [Profession]

G. J. [Name], [Address], [Profession]

H. J. [Name], [Address], [Profession]

I. J. [Name], [Address], [Profession]

J. J. [Name], [Address], [Profession]

K. J. [Name], [Address], [Profession]

L. J. [Name], [Address], [Profession]

M. J. [Name], [Address], [Profession]

N. J. [Name], [Address], [Profession]

O. J. [Name], [Address], [Profession]

P. J. [Name], [Address], [Profession]

Q. J. [Name], [Address], [Profession]

R. J. [Name], [Address], [Profession]

S. J. [Name], [Address], [Profession]

T. J. [Name], [Address], [Profession]

U. J. [Name], [Address], [Profession]

V. J. [Name], [Address], [Profession]

W. J. [Name], [Address], [Profession]

X. J. [Name], [Address], [Profession]

Y. J. [Name], [Address], [Profession]

Z. J. [Name], [Address], [Profession]

- McKonzie, 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
Yale 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

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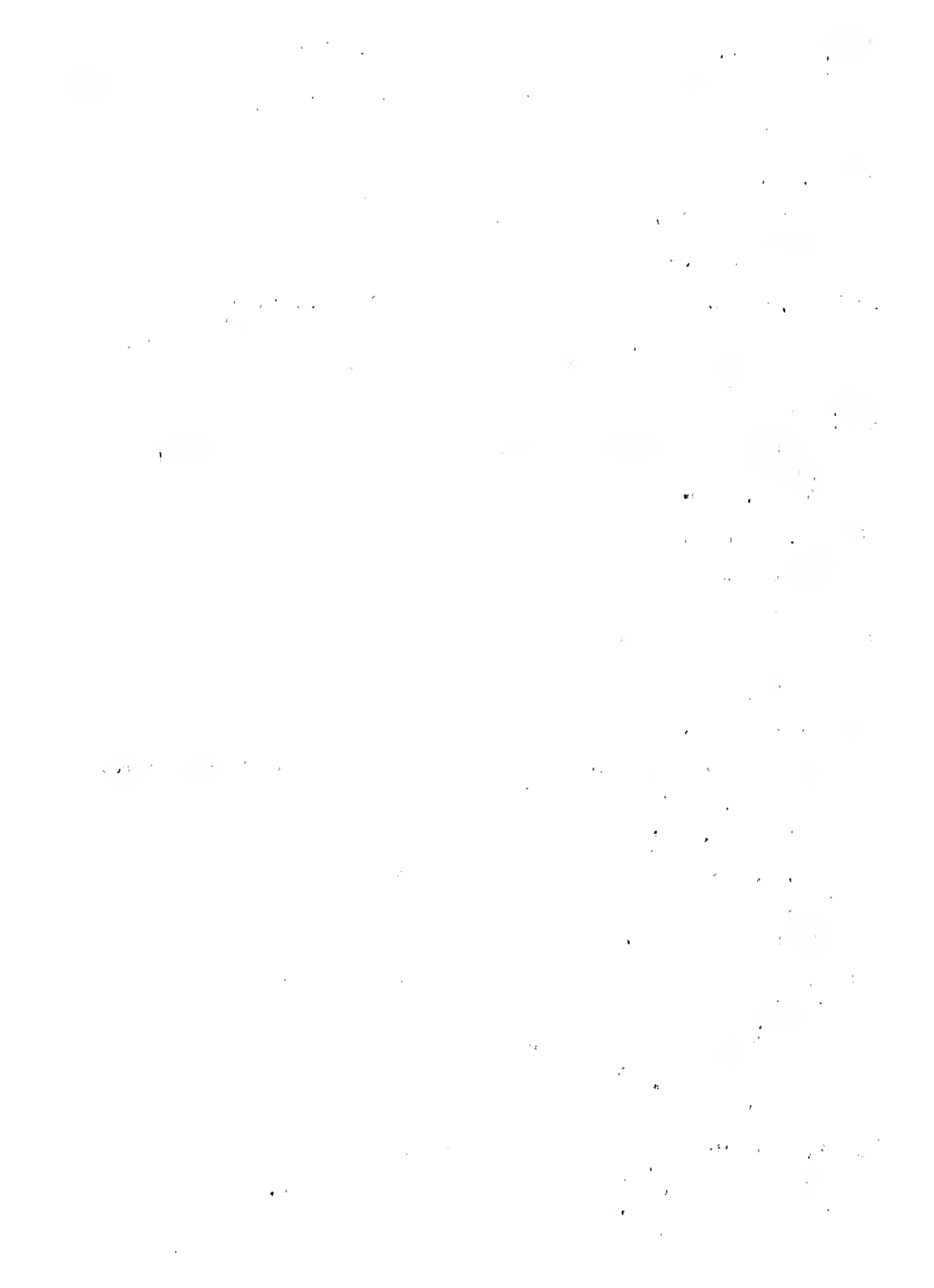
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- Miller, Mr. W. S. Marine Biology
Ecology and Physiology of Mollusks.
Marine Biological Laboratory,
USFWS
Milford, Connecticut
- Miyauchi, Mr. David Chemistry
Pacific Oceanic Fisheries Invest.
University of Hawaii
Honolulu, T. H.
- Montgomery, Dr.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



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

1. The first part of the document discusses the importance of maintaining accurate records.

2. It is essential to ensure that all data is entered correctly and consistently.

3. Regular audits should be conducted to verify the integrity of the information.

4. Any discrepancies should be investigated and resolved promptly.

5. The final section outlines the procedures for handling sensitive data.

6. It is crucial to implement robust security measures to protect against unauthorized access.

7. All personnel involved in the process must be trained on the relevant protocols.

8. The document concludes with a summary of the key points and a call to action.

The second part of the document details the specific steps for data collection.

9. This includes identifying the sources of data and the methods to be used.

10. It is important to establish clear communication channels with all stakeholders.

11. The collection process should be monitored closely to ensure it remains on track.

12. Any changes to the plan should be documented and approved by the relevant authority.

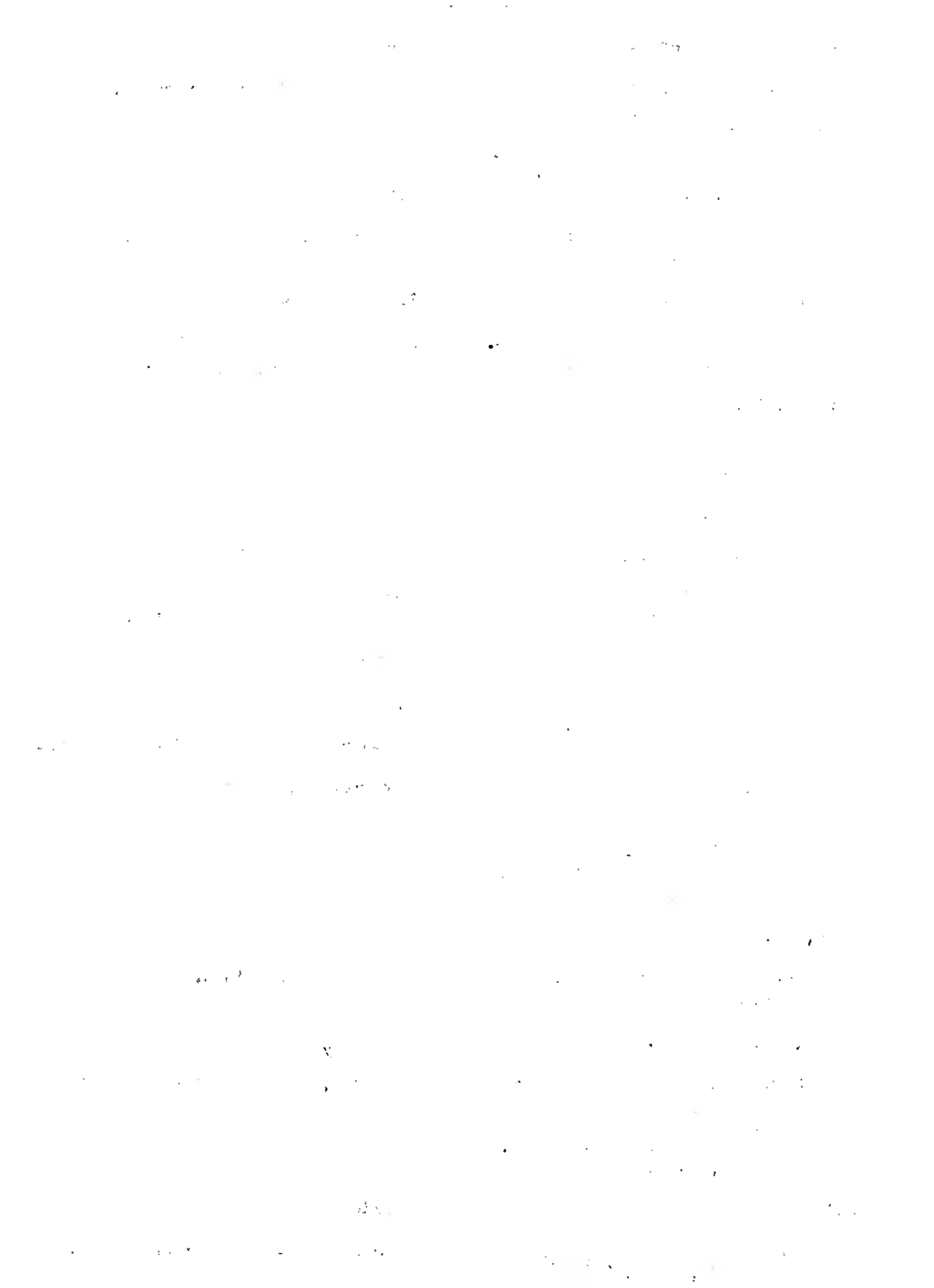
13. The data collected should be analyzed to identify trends and patterns.

14. The results of the analysis should be used to inform decision-making.

15. The document also provides guidance on how to present the findings effectively.

16. The final page contains a list of references and a glossary of terms.

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.



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

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

1. 项目背景与目标

2. 项目范围与边界

3. 项目组织与角色

4. 项目资源与预算

5. 项目进度计划

6. 项目风险管理

7. 项目沟通与报告

8. 项目变更管理

9. 项目质量管理

10. 项目收尾与评估

11. 项目附录

12. 项目参考文献

13. 项目索引

14. 项目变更记录

15. 项目会议纪要

16. 项目里程碑

17. 项目风险评估

18. 项目沟通计划

19. 项目变更日志

20. 项目质量管理计划

21. 项目附录 A

22. 项目附录 B

23. 项目附录 C

24. 项目附录 D

25. 项目附录 E

26. 项目附录 F

27. 项目附录 G

28. 项目附录 H

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36. 项目附录 P

37. 项目附录 Q

38. 项目附录 R

39. 项目附录 S

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

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

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

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial data and for providing a clear audit trail.

2. The second part of the document outlines the various methods used to collect and analyze data. These methods include direct observation, interviews, and the use of specialized software tools.

3. The third part of the document describes the process of data entry and the steps taken to ensure that the data is entered accurately and completely. This includes the use of data validation techniques and the implementation of error-checking procedures.

4. The fourth part of the document discusses the importance of data security and the measures taken to protect the data from unauthorized access and loss. This includes the use of encryption, firewalls, and regular backups.

5. The fifth part of the document describes the process of data analysis and the various techniques used to extract meaningful information from the data. This includes the use of statistical methods and data visualization tools.

6. The sixth part of the document discusses the importance of data quality and the steps taken to ensure that the data is accurate, complete, and consistent. This includes the use of data cleaning techniques and the implementation of data quality control procedures.

7. The seventh part of the document describes the process of data reporting and the steps taken to ensure that the data is presented in a clear and concise manner. This includes the use of data visualization techniques and the implementation of reporting standards.

8. The eighth part of the document discusses the importance of data privacy and the measures taken to protect the data from unauthorized disclosure. This includes the use of access controls and the implementation of data privacy policies.

9. The ninth part of the document describes the process of data archiving and the steps taken to ensure that the data is stored securely and for a long period of time. This includes the use of archival storage technologies and the implementation of data retention policies.

10. The tenth part of the document discusses the importance of data backup and the steps taken to ensure that the data is backed up regularly and can be restored in the event of a disaster. This includes the use of backup software and the implementation of disaster recovery plans.

11. The eleventh part of the document describes the process of data migration and the steps taken to ensure that the data is moved from one system to another without any loss or corruption. This includes the use of data migration tools and the implementation of migration procedures.

12. The twelfth part of the document discusses the importance of data integration and the steps taken to ensure that data from different systems is combined and analyzed together. This includes the use of data integration tools and the implementation of integration procedures.

13. The thirteenth part of the document describes the process of data governance and the steps taken to ensure that the data is managed in a consistent and effective manner. This includes the use of data governance frameworks and the implementation of governance procedures.

14. The fourteenth part of the document discusses the importance of data compliance and the steps taken to ensure that the data is used in accordance with applicable laws and regulations. This includes the use of data compliance tools and the implementation of compliance procedures.

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

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

Additionally, it is noted that regular audits are essential to identify any discrepancies or errors early on. This proactive approach helps in maintaining the integrity of the financial statements and prevents any potential issues from escalating.

Conclusion

In conclusion, the successful implementation of a robust financial reporting system is crucial for the long-term success of any organization. By adhering to the principles outlined in this document, companies can ensure that their financial data is accurate, reliable, and compliant with all relevant regulations.

The key to achieving this is through a combination of clear policies, consistent procedures, and a commitment to high standards of accuracy. Regular training and updates to the system are also necessary to keep pace with changing requirements and technologies.

Appendix A

This appendix provides a detailed overview of the various components and processes involved in the financial reporting system. It includes a list of the primary data sources, the flow of information from collection to reporting, and the specific roles and responsibilities of the personnel involved at each stage.

The information presented here is intended to serve as a comprehensive guide for all stakeholders, ensuring that everyone has a clear understanding of how the system operates and what is expected of them.

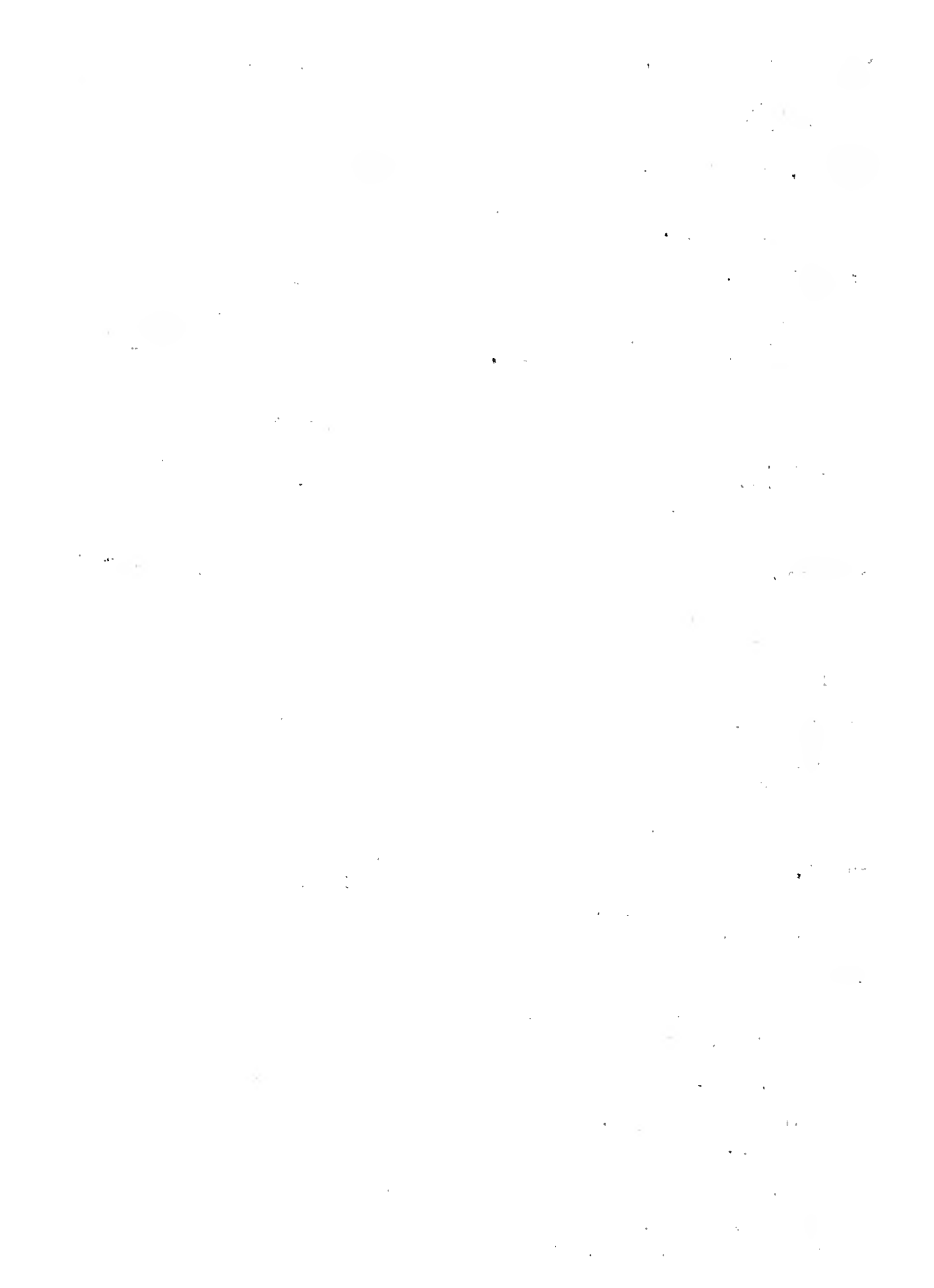
Appendix B

This section contains a collection of sample forms and templates used throughout the financial reporting process. These include standardized receipts, invoices, and internal reporting forms, all designed to ensure consistency and ease of use across the organization.

By utilizing these standardized documents, the organization can minimize the risk of errors and ensure that all data is captured in a uniform and structured manner.

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

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</u> <u>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. Theodoro 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.

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is scattered across the page and cannot be transcribed accurately.]

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

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Zinn, Dr. Donald J.	Marine Biology
Narrangansett Marine Laboratory Kingston, Rhode Island	Ecology of <u>Venus mercenaria</u> .
Zobell, Dr. Claude E.	Marine Microbiology
Scripps Institution of Oceanography La Jolla, Calif.	

ADDENDUM

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

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

1. The first part of the document discusses the importance of maintaining accurate records.

2. It is essential to ensure that all data is entered correctly and consistently.

3. Regular audits should be conducted to verify the accuracy of the information.

4. Proper labeling and organization of files are crucial for easy retrieval.

5. Security measures should be implemented to protect sensitive data from unauthorized access.

6. Training staff on data management procedures is necessary for compliance.

7. The use of standardized forms helps in maintaining uniformity in data collection.

8. It is important to have a clear policy regarding data retention and disposal.

9. Regular updates to software and hardware are required for optimal performance.

10. Collaboration between departments is key to ensuring data integrity and accuracy.

11. The final section outlines the responsibilities of each team member in the data management process.

12. Overall, a systematic approach to data management is essential for organizational success.

13. The second part of the document focuses on the implementation of data management systems.

14. This involves selecting the right software and hardware solutions for the organization's needs.

15. It is important to involve all stakeholders in the decision-making process.

16. A pilot program should be run to test the system before full-scale implementation.

17. Training and support are critical for the successful adoption of new systems.

18. Regular communication and feedback loops should be established during the implementation phase.

19. The implementation plan should include a timeline and milestones for each stage.

20. It is essential to have a contingency plan in case of any unforeseen issues.

21. The final part of the document provides a summary of the key points discussed.

22. In conclusion, effective data management is a continuous process that requires ongoing attention.

23. By following the guidelines outlined in this document, organizations can ensure the accuracy and security of their data.

24. Thank you for your attention, and we look forward to your feedback on these recommendations.

