Directory of source materials for the history of oceanography
## UNESCO TECHNICAL PAPERS IN MARINE SCIENCE

Numbers 2, 3, 5, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17, 18, 20, 21, 22, 23, 24, 27, 28, 29, 30 and 32 are out of stock. For full titles see inside back cover. Numbers 1, 4, 8 and 14 are incorporated in No. 27.

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Directory of source materials for the history of oceanography

Anita McConnell
Project Co-ordinator

Unesco 1990
PREFACE

This series, the *Unesco Technical Papers in Marine Science*, is produced by the Unesco Division of Marine Sciences as a means of informing the scientific community of recent advances in oceanographic research and on recommended research programmes and methods.

The texts in this series are prepared in co-operation with non-governmental scientific organizations. Many of the texts result from research activities of the Scientific Committee on Oceanic Research (SCOR) and are submitted to Unesco for printing following final approval by SCOR of the relevant working group report.

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ABSTRACT

This Directory lists institutions holding original source material for the history of oceanography, dating from 1600 to 1950. These materials include apparatus, collections of geological and biological samples and specimens, data, documents and written archives, and photographs. For each institution (listed by country) the Directory gives name, address, accessibility and services offered, and details of the holdings, mentioning important items. The Directory is intended to help scientists to locate earlier material relating to their present topic or area of study, to show historians where surviving records may be found, and to remind institutions holding this unique material of its value.

RESUME

Dans le présent répertoire sont inventoriés les établissements qui détiennent des matériels de référence originaux pour l'histoire de l'océanographie, datant de 1600 à 1950. Il s'agit notamment d'instruments, de collections d'échantillons et de spécimens géologiques et biologiques, de données, de documents et d'archives écrites, et de photographies. Pour chacun des établissements (dont la liste est établie par pays), le répertoire donne le nom, l'adresse, la communicabilité et les services offerts ainsi que des renseignements détaillés sur les matériels que détiennent l'établissement, mention étant faite des pièces importantes. Le répertoire vise à aider les chercheurs à localiser les matériels de référence anciens correspondant à leur sujet ou à leur domaine d'étude, à indiquer aux historiens où ils peuvent trouver les archives qui sont conservées, et à rappeler la valeur de ces matériels rares aux établissements qui les détiennent.

RESUMEN ANALITICO

En este Directorio figuran las instituciones que poseen fuentes originales de historia de la oceanografía entre 1600 y 1950. Los materiales comprenden aparatos, colecciones de muestras y especímenes biológicos y geológicos, datos, documentos y archivos escritos y fotografías. Se presentan las instituciones por país, consignándose su nombre y dirección, la manera de acceder a ellas y los servicios que proporcionan, sus fondos y los principales materiales que contienen. Gracias a este Directorio, los historiadores y especialistas podrán localizar los registros y materiales antiguos relacionados con su tema de estudio y las instituciones cobrarán conciencia del valor de los materiales que poseen.
В настоящем справочнике перечислены учреждения, которые имеют материалы, являющиеся первоисточниками по истории океанографии за период с 1600 г. по 1950 г. Эти материалы включают аппаратуру, коллекции геологических и биологических проб и образцов, данные, документы, а также печатные архивы и фотографии. Для каждого учреждения (перечислены по странам) в справочнике указываются название, адрес, доступность и предлагаемые услуги, а также приводятся подробные данные об имеющихся фондах с указанием наиболее важных единиц хранения. Справочник предназначен для оказания помощи ученым в поиске предыдущих материалов, касающихся их современной темы или области исследования, и для предоставления историкам информации о том, где могут быть найдены сохранившиеся архивы, а также для того, чтобы напомнить учреждениям, располагающим такими уникальными материалами, о их ценности.

**РЕЗЮМЕ**

В настоящем справочнике перечислены учреждения, которые имеют материалы, являющиеся первоисточниками по истории океанографии за период с 1600 г. по 1950 г. Эти материалы включают аппаратуру, коллекции геологических и биологических проб и образцов, данные, документы, а также печатные архивы и фотографии. Для каждого учреждения (перечислены по странам) в справочнике указываются название, адрес, доступность и предлагаемые услуги, а также приводятся подробные данные об имеющихся фондах с указанием наиболее важных единиц хранения. Справочник предназначен для оказания помощи ученым в поиске предыдущих материалов, касающихся их современной темы или области исследования, и для предоставления историкам информации о том, где могут быть найдены сохранившиеся архивы, а также для того, чтобы напомнить учреждениям, располагающим такими уникальными материалами, о их ценности.

**مستخلص**

يورد هذا الدليل قائمة بالمؤسسات التي تتوفر لديها مراجع أصلية خاصة بتاريخ الاقتباسات، يرجع تاريخها إلى ما بين عامي 1600 و1960. وتتضمن هذه المواد معلوماتية وجماعات من البيانات والتخصص الجيولوجي والبيولوجي والبيانات ووسائل مخطوطة مكتوبة ومصوراً فوتوغرافية. ويقدم الدليل بيانات عن كل مؤسسة (تتضمن أسمها وعنوانها والسجل الإنتاجي بها) وتفاصيل عن مقتنياتها مع نص المواد可怕的. ويهدف الدليل إلى مساعدة العلميين على تحديد موقع المواد القديمة المتعلقة بموضوعاتهم أو مجال دراساتهم الحالي، ويطلع المؤرخين على مواقع السجلات التي لم تنشر، وتذكير المؤسسات التي تقتني هذه المواد الفريدة بما لها من قيمة.

**摘要**

本书所列的是藏有1600年到1950年期间海洋学历史原始资料的机构名单。这些资料包括仪器收集的地质与生物标本、资料、文件和手稿档案以及图片。以国家为单位列出的每个机构均注明名称、地址、联系办法与提供的服务、和入藏物品详细情况并举出重要物品的名称。本书旨在帮助科学工作者找到与其目前的研究课题及领域有关的早期资料，告诉历史工作者到哪里能够找到尚存的记录，并向藏有这类仅有资料的机构说明其价值。
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INTRODUCTION

Source materials for the history of oceanography include documents and written archives, photographs, instruments and apparatus, collections of geological and biological samples and specimens. It is difficult to know what has survived, and where it is now held. The idea of compiling a Directory which would list the locations of this evidence from the past was discussed informally in 1987 at the IVth International Congress for the History of Oceanography, in Hamburg. Preliminary enquiries suggested that it would be a worthwhile project, and with the active support of Unesco a Working Party was set up to implement it.

The Directory is intended to help scientists to find original earlier material appertaining to their present topics or areas of study; to publicise the primary resources that are available to historians; and to remind establishments holding this unique material of its value in these respects.

Members of the Working Party knew from their own experience how widely dispersed the original material has become. It was necessary to devise a questionnaire that could be answered by staff of marine and fisheries laboratories, museums, university departments, learned societies, national and local libraries and archives, meteorological institutions, and manufacturers, around the world. Our definition of oceanography included fishing and whaling techniques, since these were often used in the past by marine biologists, but we excluded studies of fresh water, nautical, submarine geology, and underwater engineering. The questionnaire, which is reproduced below, went out in English, with a guide to how it should be filled in, and a covering letter, written in English, French or Spanish, as appropriate. Replies came back in various languages.

Each Working Party member was responsible for identifying and mailing institutions in his or her area. The returned forms were then sent to me for translation, analysis and condensation into a format that would serve as the Directory entry. Some thirty percent of the questionnaires were returned and of these two-thirds of the replies proved to be useful. I discarded those from institutions whose holdings were too recent, or judged inappropriate, or giving a nil response.

Not all the world's coastal nations are represented here, for some have only recently embarked upon oceanographic research. Regrettably, we were unable to find anyone to assist with the countries of southern Africa or the USSR. However, this being a search for historical evidence, we did find information in Austria, dating from the years when the Austro-Hungarian empire extended to the Adriatic Sea, and its government and scientists were active in oceanographic research. Similarly, we included Switzerland, whose scientists devised apparatus and methods for investigating their lakes, which was subsequently adapted to work in the open sea. Our thanks then, to the hundreds of people round the world who took the time and trouble to fill in yet another questionnaire.

On behalf of UNESCO, and for myself, I thank the members of the Working Party, and the Directors of their respective institutions, without whom this worthwhile project would never have materialised:

Madame Jaquelinc Carpine-Lancre, Musee Oceanographique, Monaco
Mrs Deborah Day, Scripps Institution of Oceanography, California, USA
Miss Margaret Deacon, Department of Oceanography, University of Southampton
Mr Martin Ehrlich, INIDEP, Mar del Plata, Argentina
Mrs Christiane Groeben, Stazione Zoologica, Naples, Italy
Dr Ian Jones, Marine Studies Centre, University of Sydney, Sydney, Australia
Professor Eric Mills, Department of Oceanography, Dalhousie University, Halifax, Canada
Dr Selim Morcos, Division of Marine Sciences, UNESCO, Paris, France.

Personal and sincere thanks are due to other professional colleagues, who tested my draft questionnaires and layouts, and offered advice; to Dr Colin Summerhayes, Director of the Deacon Laboratory, Wormley, UK, for the use of his printing facilities, and the help of Mrs Jean Jones and Mrs Sheolagh Collyet who with endless patience supervised my days at the word-processor; and finally to Dr Dale Krause, Director of the Marine Sciences Division at UNESCO and his staff. Readers may be assured that we have all done our best, but inevitably some valuable sources, for one reason or another, will have escaped our net.

Anita McConnell
Project Co-ordinator
LAYOUT OF ENTRIES AND KEY TO ABBREVIATIONS

NAME OF INSTITUTION
ADDRESS
TELEPHONE       TELEX
ACCESS           Either 'Open' or 'Restricted', see Note 1.
SERVICES         Catalogue or handlist, photography or xerox copying facility. See Note 2.
HOLDINGS         Defines the general type of material held as 'Apparatus', 'Samples' or 'Documents'.
TIMESPAN         Unless specified, includes material from 1600 to 1950.
AREA             As defined, or 'Unrestricted'.
DETAIL           Codified from page 2 of the questionnaire, see Note 3.

Note 1. Some institutions limit access to scientists, scholars or other approved persons. Even where the holding institution is a public museum or library, the material may be in a distant store and not immediately available. Enquirers are strongly recommended to write in the first instance.

Note 2. SERVICES key: C = catalogue or handlist. (free) = available free of charge.
P = photography. M = microfilm. X = xerox or photocopy.

Note 3. DETAIL key:

A APPARATUS
a Depth measurement
b Water collection
c Temperature measurement
d Current measurement
e Wave measurement
f Tide measurement
g Seafloor corers and grabs
h Photometers
i Salinity measurement
j Cameras, microphones
k Sonar Imaging apparatus
l Nets
m Laboratory equipment
n Deck machinery
o Sonar apparatus
p Meteorological apparatus
q Shore tide gauges
r Seafloor seismometers
S SAMPLES
a Seawater
b Sea floor
c Biological
d Ice-derived
D DATA
a Magnetic tape
b Still and moving photography
c Log books and diaries
d Drawings
e Derived reports
M MANUSCRIPTS AND DOCUMENTS
a Portrait originals, personal papers
b Government and other official papers
c Plans for cruises and other work
d History of the Institution
T TRANSPORT
a Oceanographic ships
b Oceanographic submersibles
c In-sea position finding
d Ocean/met balloons

2
INTRODUCTION

Les sources documentaires pour l'histoire de l'océanographie se composent d'archives, de photographies, d'instruments et d'appareils, de collections d'échantillons et de spécimens géologiques et biologiques. Il n'est pas facile de savoir ce qui en subsiste et où cela est actuellement conservé. L'idée de compiler un répertoire comportant une liste des lieux où sont gardés ces témoins du passé a été évoquée lors du quatrième Congrès International sur l'histoire de l'océanographie tenu à Hambourg en 1887. L'opinion des spécialistes consultés étant favorable au projet, on a mis en place, avec le soutien de l'Unesco, un groupe de travail chargé de le mener à bien.

Ce répertoire est destiné à faciliter aux scientifiques la recherche des pièces originales, relativement anciennes, touchant leurs sujets ou domaines d'études actuels, à faire connaître aux historiens les sources primaires disponibles et enfin à rappeler aux organismes les dépôts de valeur qui revêt, à tous ces égards, ce matériel irremplaçable.

Les membres du groupe de travail savalent, par leur expérience personnelle, que le degré de dispersion a abouti le matériel original. Le questionnaire devait être rédigé de telle sorte qu'il pût être rempli aussi bien par le personnel des laboratoires marins ou des pêches que par celui des musées, des facultés d'universités, des sociétés savantes, des bibliothèques et des archives nationales ou locales, des services météorologiques et des fabricants d'équipements, dans le monde entier. Dans notre définition de l'océanographie nous avons inclus les techniques de pêche - même baleinière - du fait qu'elles étaient autrefois souvent pratiquées par les spécialistes en biologie marine, mais nous avons exclu les études portant sur l'eau douce, la navigation, ainsi que la géologie et l'ingénierie sous-marines. Le questionnaire reproduit dans les pages suivantes a été expédié en anglais, accompagné d'une notice sur la manière de le remplir et d'une lettre explicative en anglais, français ou espagnol selon le cas. En retour, les réponses étaient rédigées en diverses langues.

Chaque membre du groupe de travail devait déterminer, dans sa région, les institutions à interroger et leur adresser le questionnaire. Les réponses étaient ensuite transmises pour être traduites, analysées et réduites au format des rubriques du répertoire. J'ai éliminé le matériel envoyé par des organismes dont les fonds étaient trop récents ou jugés non pertinents ou dont les réponses étaient simplement négatives.

Toutes les nations du monde ayant un littoral marin ne figurent pas ici car certaines ont entrepris trop récemment leurs recherches en océanographie. A notre grand regret nous n'avons pu trouver de collaborateur pour les pays de l'Amérique du Sud ou de l'URSS. Dans cette recherche de témoignages historiques nous avons toutefois découvert des Informations en Autriche, du temps où l'empire austro-hongrois s'étendait jusqu'à la mer Adriatique et où son gouvernement et ses scientifiques se livraient à des recherches océanographiques. Nous avons, pour des raisons similaires, inclu la Suisse, dont les scientifiques ont inventé des appareils et des méthodes pour l'étude des lacs, que l'on a par la suite adaptées aux recherches sur la haute mer. Nos remerciements s'adressent donc aux centaines de personnes du monde entier qui ont pris le temps et la peine de remplir (encore) un questionnaire.

Au nom de l'Unesco, et en mon propre nom, je remercie les membres du groupe de travail et les directeurs des organismes auxquels ils appartiennent, sans l'aide desquels ce projet intéressant n'aurait jamais vu le jour. Ce sont:

Madame Jacqueline Carplne-Lancre, du Musée océanographique de Monaco
Madame Deborah Day, de la Scripps Institution of Oceanography, Californie, Etats-Unis d'Amérique
Mademoiselle Margaret Deacon, du Département d'océanographie, Université de Southampton, Royaume-Uni
Monsieur Martin Ehrlich, de l'INIDEP de Mar del Plata, Argentine
Madame Christiane Grooten, de la Stazione Zoologica de Naples, Italie
Monsieur Ian Jones, du Marine Studies Centre de l'Université de Sydney, Australie
Monsieur le Professeur Eric Mills, du Département d'océanographie de Dalhousie University de Halifax, Canada
Monsieur Selim Moros, de la Division des sciences de la mer de l'Unesco à Paris, France

Personnellement, je remercie sincèrement d'autres de mes collègues qui, ayant testé mes projets de questionnaire et de rubriques, m'ont donné des conseils, ainsi que Monsieur Colin Summerhayes, Directeur du Deacon Laboratory de Wormley (Royaume-Uni) qui m'a permis d'utiliser son matériel d'impression et Madames Jean Jones et Sheelagh Colley qui m'a aidé avec une infinie patience, assistés pendant des journées de travail sur la machine à traitement de texte. Je remercie enfin Monsieur Dale Krause, Directeur de la Division des sciences de la mer de l'Unesco, et son personnel. Le lecteur peut être sûr que nous avons fait de notre mieux, même si nous n'avons pu éviter que, pour une raison ou une autre, certaines excellentes sources soient passées entre les mailles de nos filets.

Anita McConnell
Coordonnatrice du projet
**DISPOSITION DES ENTREES ET CLE DES ABBREVIATIONS**

**NOM DE L'ORGANISME**

**ADRESSE**

**NUMERO DE TELEPHONE**

**NUMERO DE TELEX**

**CONDITIONS D'ACCES**

Soit 'libre' soit 'réservé', voir Note 1.

**SERVICES**

Fichiers ou liste, photographie ou photocopie, voir Note 2.

**FONDS**

Préciser le genre de matériel catalogué 'appareils', 'échantillons' ou 'documents'.

**PERIODE**

A défaut d'indication, le matériel date de la période 1600 à 1950.

**REGION**

Soit à définir, soit 'sans frontières'.

**DETAILS**

Codifiés selon la page 2 du questionnaire, voir Note 3. Autres remarques tirées des 'Caractéristiques' de la page 1.

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**Nota 1.** Certains organismes ne permettent l'accès qu'aux scientifiques, aux savants et à d'autres personnes qui ont reçu leur assentiment. Même si l'organisme détenteur est un musée ou une bibliothèque publics, il arrive que le matériel, gardé dans une réserve éloignée, ne soit pas immédiatement disponible. On recommande instamment aux intéressés de commencer par envoyer une demande écrite.


**Nota 3.** Clé de la rubrique DETAILS:

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<tr>
<td>a</td>
<td>Portraits originaux, papiers personnels</td>
</tr>
<tr>
<td>b</td>
<td>Documents officiels et administratifs</td>
</tr>
<tr>
<td>c</td>
<td>Programmes de campagnes et autres travaux</td>
</tr>
<tr>
<td>d</td>
<td>Histoire de l'institution</td>
</tr>
</tbody>
</table>

**T | PLATES-FORMES**

| a | Navires océanographiques |
| b | Submersibles océanographiques |
| c | Positionnement en mer |
| d | Ballons océanographiques/météorologiques |
QUESTIONNAIRE

Request for information

Please return by 1988 to

IDENTIFICATION

Name of institution: .........................................................

Full postal address: ...........................................................

Telephone: ........................................ Telex ............. Answerback code

HOLDINGS

Do you have original: documentary materials YES / NO

apparatus YES / NO
collections of specimens YES / NO

What time-period do the original materials cover? ......................

Are the holdings restricted to certain oceans or seas? YES / NO

If so, which? ........................................................................

What is your collecting policy?

ACCESSIBILITY OF THE HOLDINGS

Are there restrictions on access? YES / NO

What are the opening hours?

Is there a published catalogue or hand-list? YES / NO Is it free? YES / NO

Do you supply or sell photographs YES / NO

microfilm YES / NO
	xerox or photocopies YES / NO

KEY FEATURES

Please summarise, and name any people, expeditions or topics which are of major importance in your holdings.


WHAT ORIGINAL SOURCE MATERIALS DATING BETWEEN 1600 AND 1950 DOES YOUR INSTITUTION HOLD? Circle YES or NO for each main class on the left.

If you can be more specific tick the items in the right-hand column.

APPARATUS

Depth measurement  
Water collection  
Temperature measurement

Current measurement  
Wave measurement  
Tide measurement  
Seafloor corers and grabs  
Photometers  
Salinity measurement  
Cameras, microphones  
Loran imaging apparatus  
Nets  
Lab equipment  
Deck machinery  
Sonar apparatus  
Met apparatus  
Shore tide gauges  
Sea-floor seismometers

TRANSPORT

YES / NO

SHIPS

Submersibles

In-sea position-finding

Balloons

SAMPLES

YES / NO

Seawater

Sea floor

Biological

Ice-derived

DATA

YES / NO

Magnetic tape

Still and moving photography

Log books and diaries

Drawings

Derived reports

MANUSCRIPTS AND DOCUMENTS

YES / NO

Portrait originals, personal papers

Government and other official papers

Plans for cruises and other work

History of the institution

OTHER MATERIAL NOT INCLUDED ABOVE

Thankyou for your co-operation

Institute name ..............................................................

Please print your own name in case we need to contact you again.

- Page 1 -
ARGENTINA

1. **MUSEO ARGENTINO DE CIENCIAS NATURALES 'B. RIVADAVIA' Y INSTITUTO NACIONAL DE CIENCIAS NATURALES**
   Avenida Angel Gallardo 470, 1405 Buenos Aires
   T. 982-5243
   **Access:** Open  
   **Services:** P, M, X  
   **Holding:** Apparatus, Samples, Documents  
   **Time span:** From 1823  
   **Area:** Unrestricted  
   **Detail:** N, m; S, M, d. No other information.

AUSTRALIA

2. **NEW SOUTH WALES, ARCHIVES AUTHORITY OF NEW SOUTH WALES**
   The State Archives, 2 Globe St., The Rocks, Sydney, NSW 2000
   T. (02) 237-0254
   **Access:** Restricted  
   **Services:** C, P, M, X  
   **Holding:** Documents  
   **Time span:** From 1900  
   **Area:** New South Wales coastal waters  
   **Detail:** D, f, M. Coast and harbour tide and sounding records; harbour dredging and works records; maps and plans.

3. **SOUTH AUSTRALIA, SOUTH AUSTRALIAN DEPT. OF FISHERIES**
   GPO Box 1625, Adelaide, SA 5001
   T. (08) 227-0833
   **Access:** Restricted  
   **Services:** P, M, X  
   **Holding:** Documents  
   **Time span:** No information  
   **Area:** No Information  
   **Detail:** M, b, d. No other information.

4. **SOUTH AUSTRALIA, PUBLIC RECORD OFFICE OF SOUTH AUSTRALIA**
   P.O. Box 713, North Adelaide, SA 5006
   T. (08) 287-8220
   **Access:** Restricted  
   **Services:** P, M  
   **Holding:** Documents  
   **Time span:** From 1856  
   **Area:** Local coastal waters  
   **Detail:** M. Material is in "Dept. of Marine & Harbours" and "Observatory" Record Groups.

5. **SOUTH AUSTRALIA, THE FLINDERS INSTITUTE FOR ATMOSPHERIC AND MARINE SCIENCES**
   The Flinders University, Bedford Park, SA 5042
   T. (08) 275-3911
   **Access:** Open  
   **Services:** C (free)  
   **Holding:** Documents  
   **Time span:** From 1880  
   **Area:** Australian coast  
   **Detail:** M. Tide records.

6. **SOUTH AUSTRALIA, SOUTH AUSTRALIAN MUSEUM**
   North Terrace, Adelaide, SA 5000
   T. (08) 223-8911
   **Access:** Open  
   **Services:** P, M, X  
   **Holding:** Samples  
   **Time span:** From 1880  
   **Area:** Unrestricted  
   **Detail:** M. Sir Douglas Mawson's BANZARE Expedition (1929-31), collection of biological material.

7. **SOUTH AUSTRALIA, UNIVERSITY OF ADELAIDE (DEPT OF BOTANY)**
   State Herbarium, Botanic Gardens, North Terrace, Adelaide, SA 5000
   T. No information
   **Access:** Restricted  
   **Services:** C (free) part  
   **Holding:** Samples  
   **Time span:** From 1945  
   **Area:** Mainly Southern Australian waters  
   **Detail:** S. H B S Womersley's collection of algae.

8. **TASMANIA, ARCHIVES OFFICE OF TASMANIA**
   91 Murray Street, Hobart, Tasmania 7000
   T. (002) 307488
   **Access:** Restricted  
   **Services:** P, M, X  
   **Holding:** Documents  
   **Time span:** From 1820  
   **Area:** Tasmanian waters, Southern Oceans  
   **Detail:** D, b, c, f, M, b. Tasmanian Marine Boards and other government or semi-government organisations. Log books of whaling expeditions.

9. **TASMANIA, DEPARTMENT OF SEA FISHERIES, TASMANIA**
   23 Old Wharf, Hobart, Tasmania 7000
   T. 30-3520
   **Access:** Restricted  
   **Services:** None  
   **Holding:** Documents  
   **Time span:** From 1940  
   **Area:** Tasmanian coastal waters  
   **Detail:** M, b, c. Historical material on Tasmanian fisheries is being studied, publication will follow.
10. VICTORIA, PUBLIC RECORD OFFICE
19th level, Nauru House, 80 Collins Street, Melbourne, Victoria 3000
T. 655-6863 Tx. -
Access: Restricted Services: C, P, M, X
Holdings: Documents
Timespan: From 1836
Area: Unrestricted
Detail: M. Archives of state government agencies. Researchers must identify the responsible agency for oceanography or fisheries activities.

11. VICTORIA, STATE LIBRARY OF VICTORIA (AUSTRALIAN MANUSCRIPTS COLLECTION)
328 Swanston Street, Melbourne, Victoria 3000
T. (03) 669-9014 Tx. -
Access: Restricted Services: P, M, X
Holdings: Documents
Timespan: From 1835
Area: No information
Detail: Dc, Ma. A 'Challenger' (1872-76) journal; papers of Captain John King Davis, navigator and Arctic seaman; complete output of Australian joint copying project, including Admiralty records.

12. VICTORIA, STATE LIBRARY OF VICTORIA (MAP SECTION)
328 Swanston Street, Melbourne, Victoria 3000
T. (03) 669-9954 Tx. -
Access: Restricted Services: C, P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: D. Published charts but some with manuscript annotations.

13. VICTORIA, STATE LIBRARY OF VICTORIA (PICTURE COLLECTION)
328 Swanston Street, Melbourne, Victoria 3000
T. (03) 669-9928 Tx. -
Access: Open Services: P
Holdings: Documents
Timespan: From 1830
Area: Australia, mainly Victoria

14. VICTORIA, UNIVERSITY OF MELBOURNE (SCHOOL OF BOTANY)
Parkville, Victoria 3052
T. (03) 344-5067 Tx. -
Access: Restricted Services: X
Holdings: Samples, Documents
Timespan: From 1920s
Area: Southern Oceans, East Indian Ocean, Central and Western Pacific.
Detail: Sc, Db, d, Md. Marine plant collections.

15. NATURHISTORISCHES MUSEUM WIEN (FISH COLLECTION)
Burgring 7, POB 417, A-1014 Wien
T. 93-45-41 Tx. 134441 natur a
Access: Restricted Services: P
Holdings: Apparatus, Samples, Documents
Timespan: From 1840
Area: Unrestricted
Detail: Ac, Sc, Db. Collections from most or all Austro-Hungarian cruisers: 'Novara', 'Aurora', 'Leopard', 'Fasan', 'Zenta'.

16. NATURHISTORISCHES MUSEUM WIEN (GEOLOGY AND PALAEOLOGY DIVISION)
Burgring 7, POB 417, A-1014 Wien
T. (0222) 93-06-20 Tx. (1)134441 natur a
Access: Open Services: P
Holdings: Samples
Timespan: 1870-1900
Area: Eastern Mediterranean and Red Sea.

17. NATURHISTORISCHES MUSEUM WIEN (ZOLOGICAL SECTION 3)
Burgring 7, A-1014 Wien
T. 93-45-41 x328 Tx. 134441 natur a
Access: Restricted Services: P
Holdings: Samples
Timespan: 1850-1900
Area: Unrestricted
Detail: Sc. 'Novara' Expedition, 'Pola' Expedition, Jan Mayen Nordpol Expedition.

18. ÖSTERREICHISCHES STAATSARCHIV (HAUS-, HOF- UND STAATSARCHIV)
Minoritenplatz 1, A-1010 Wien
T. 53115 x2516 Tx. -
Access: Open Services: C(free), P, M, X
Holdings: Documents
Timespan: No Information
Area: Unrestricted

AUSTRIA
Detail: De; Ma,b. Scientific expeditions, navigation and fisheries including Ostindische Kompagnie. Published listing "Quellen zur Geschichte Afrikas, Asiens und Ozeaniens im Österreichischen Staatsarchiv bis 1918" (Munich 1986).

BELGIUM

19. INSTITUT ROYALE DES SCIENCES NATURELLES DE BELGIQUE (SECTION OCÉANOGRAPHIE)
29, rue Vautier, B-1040 Bruxelles
T. (02) 648-0475
Access: Restricted
Holdings: Apparatus, Samples, Documents
Timespan: From 19th century
Area: North Sea, Polar Sea
Detail: Kb,c,g,l,o; Sc; Db,c; Ma,b. A de Gerlache, Gilson, Capart; 'Belgica' Expedition to Arctic and Antarctic. Systematic exploration of the North Sea (Gilson). Southern Atlantic Expedition (Capart).

20. NATIONAL MARITIME MUSEUM
Steemplein 1, B-2000 Antwerp
T. (03) 232-0850
Access: Restricted
Holdings: Apparatus, Samples, Documents
Timespan: From Early Middle Ages
Area: Unrestricted
Detail: A; S; D; M. A de Gerlache, Belgian Antarctic Expedition (1897-99). History of regional navigation.

21. MUSEUM OF SCIENCE AND TECHNOLOGY
State University, Gent. Kortemeer 9, B-9000 Gent
T. (091) 25-76-51 x296
Access: Open
Holdings: Apparatus, Documents
Timespan: From 18th century
Area: Unrestricted
Detail: Mercator, A de Gerlache, Meeuwissen. 19th century diving suit.

CANADA

22. CANADIAN HYDROGRAPHIC SERVICE (HYDROGRAPHIC DATA CENTRE)
Bedford Institute of Oceanography, PO Box 1006, Dartmouth, NS, B2Y 4A2
T. (1-902) 426-2397
Access: Restricted
Holdings: Apparatus, Documents
Timespan: From 1900
Area: Arctic Ocean, Canadian Arctic Archipelago, Atlantic Coast of Canada, Gulf of St Lawrence, Baffin Bay, Lincoln Sea, Labrador Sea, Davis Strait.
Detail: A; Da,b,d,e; Mb.

23. DEPARTMENT OF FISHERIES AND OCEANS (BIOLOGICAL STATION)
St Andrews, NB, E0G 2X0
T. (506) 529-8854
Access: Restricted
Holdings: Documents
Timespan: From 1918
Area: Northwest Atlantic
Detail: Mb,c,d. St Andrews Biological Station, the first permanent Canadian marine biological station, established 1918.

24. HUDSON'S BAY COMPANY ARCHIVES
Provincial Archives of Manitoba, 200 Vaughan Street, Winnipeg, Manitoba, R3C 1T5
T. (204) 945-4949
Access: Restricted
Holdings: Documents
Timespan: From 1710
Area: White Sea, Northwest Passage, North Atlantic, North Pacific
Detail: Do. Ships' logs, correspondence, scientific and shipping records.

25. MARITIME HISTORY ARCHIVE
Memorial University, St Johns, Newfoundland, A1C 5S7
T. (709) 737-8428
Access: Restricted
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: D; M. Newfoundland mercantile records. Great Britain Board of Trade records.

26. NATIONAL ARCHIVES OF CANADA (CARTOGRAPHIC AND ARCHITECTURAL ARCHIVES DIVISION)
395 Wellington Street, Ottawa, Ontario, K1A 0N3
T. (613) 995-1077
Access: Open
Holdings: Documents
Timespan: From 1490
Area: Oceans bordering Canada
27. NATIONAL ARCHIVES OF CANADA (GOVT. ARCHIVES DIVISION)
395 Wellington Street, Ottawa, Ontario, K1A 0N3
T. (613) 995-1077 Tx. 0533367 prcna
Access: No Information Services: No Information
Holdings: Documents
Timespan: From 1880
Area: No information
Detail: Relevant material can be found under the following heads: RG42 Marine Branch, RG12 Dept. of Transport, RG23 Dept. of Fisheries and Oceans, RG93 Atmospheric Environment Service, RG24 Dept. of National Defence, RG51 International Joint Commission (Canada-USA), RG77 National Research Council, RG33 Royal Commissions, RG69 Water Resources Branch, RG139 Canadian Hydrographic Service, RG108 Environment Canada, RG45 Geological Survey of Canada, RG92 Geographical Branch, RG85 Northern Affairs Program, RG22 Indian Affairs and Northern Development.

28. MARITIME MUSEUM OF BRITISH COLUMBIA
28 Bastion Square, Victoria, British Columbia, V8W 1H9
T. (604) 385-4222 Tx. -
Access: Restricted Services: P, X
Holdings: Apparatus
Timespan: From 1750
Area: Unrestricted
Detail: Ac,d,f,l,p; Ta; Ma,b,c,d.

29. NATIONAL MUSEUM OF NATURAL SCIENCES
PO Box 3443, Stn. D, Ottawa, Ontario, K1P 6P4
T. (613) 954-4947 Tx. -
Access: Restricted Services: C(free), P, M, X
Holdings: Samples, Documents
Timespan: From 1863
Area: Unrestricted
Detail: Sc; Do,c,d,e. Canadian Arctic Expedition (1913-18) collections. Canadian Fisheries Research Board collections from 1918. J F Whiteaves, Gulf of St. Lawrence (1867-73) collections. Many other Pacific, Arctic and N Atlantic Expeditions.

30. MARITIME MUSEUM OF THE ATLANTIC
1675 Lower Water Street, Halifax, NS B3J 1S3
T. (902) 429-8210 Tx. -
Access: Restricted Services: P, X
Holdings: Apparatus
Timespan: From 1900
Area: Atlantic Coast
Detail: Ac,d,f,l; Ta. No other information.

31. NATIONAL DEFENCE HEADQUARTERS (DIRECTORATE OF HISTORY)
101 Colonel Bydrive, Ottawa, Ontario, K1A 0K2
T. (613) 998-7057 Tx. -
Access: Restricted Services: X
Holdings: Documents
Timespan: From 1867
Area: Canadian coastal waters
Detail: M. No other information.

32. NOVA SCOTIA MUSEUM
1747 Summer Street, Halifax, NS B3H 3A6
T. (902) 429-4610 Tx. -
Access: Open Services: C(free), P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1870
Area: North Atlantic
Detail: Ac,d,m,n; Ta; Sc; Do,c,a; Md. HMS 'Challenger', cableship 'Minna', US Fish Commission collections. Retired Research Vessel 'Acadia' (kept at the Maritime Museum of the Atlantic).

33. INSTITUTO HIDROGRAFICO DE LA ARMADA DE CHILE (SALA HISTORICO Y ARCHIVO HIDROGRAFICO)
Casilla 324, Valparaiso
T. (034) 251056 Tx. 230362 hidro cl
Access: Restricted Services: X
Holdings: Apparatus, Documents
Timespan: From 1834
Area: Pacific Ocean, Antarctica
Detail: Ac,d,m,p; Da,c; Ma,b,c,d. Physical and descriptive oceanography, tides and currents.

34. QUANZHOU MUSEUM OF OVERSEAS COMMUNICATIONS
Quanzhou, Fujian
T. 33905 Tx. -
Access: Open Services: C,P,X
Holdings: Apparatus, Samples, Documents
Timespan: No Information
Area: Unrestricted
Detail: Study of overseas communications history, history of scientific and technical exchanges between China and foreign countries.
35. THIRD INSTITUTE OF OCEANOGRAPHY  
178 Daxue Road, PO Box 70, Xiamen, Fujian  
T. Xiamen 24880 Tx. 361005

Access: Open Services: P, X
Holdings: Samples, Documents
Timespan: 1960-1990
Area: Fujian coastal waters and Taiwan Strait
Detail: St, De, Ma. Zhou Guilian, Su Xianze.

36. AARHUS UNIVERSITY (GEOLOGISK INSTITUT)  
Ny Munkegade, Bygn 520, DK-8000 Aarhus C  
T. (06) 12-88-99 Tx. -

Access: Restricted Services: None
Holdings: Documents
Timespan: 1940-44
Area: Danish North Sea coast
Detail: Db. No other information.

37. DANISH MARITIME MUSEUM  
Kronberg Castle, DK-3000 Helsingør  
T. (01) 21-06-85 Tx. -

Access: Open Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1400
Area: Unrestricted
Detail: Aa, c, d, De, d, e; Ma. Non-naval history, models, photos, charts, drawings; company and personal archives.

38. DANISH METEOROLOGICAL INSTITUTE  
Lynbyvej 100, DK-2100 Copenhagen Ø  
T. 01-292-100 Tx. -

Access: Open Services: P, X
Holdings: Apparatus, Documents
Timespan: From 1890
Area: Unrestricted
Detail: Ac, l, q; De, M.

39. FISKEHEI OG SØFARTSMUSEET, SALTVANDSAKVARIE Tarpahagevej, DK-6710 Esbjerg V  
T. (455) 15-06-66 Tx. -

Access: Open Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1890
Area: Danish waters
Detail: Aa, b, c, d, i, l, n, o; S; M.

40. FYSISK OCEANOGRafi, N HØJERSLEV  
Haraldskade 6, DK-2200 Copenhagen N  
T. (01) 83-39-92 Tx. 16469 mcpghl dk

Access: Open Services: X
Holdings: Apparatus, Documents
Timespan: From 1880
Area: Unrestricted
Detail: Ab, h; Dd. Martin Knudsen, Bjerrum, N Jerlov.

41. NATIONAL ARCHIVES, 4TH DEPARTMENT  
Rigsdagsgården 9, DK-1219 Copenhagen K  
T. 01-93-01-11 x411 Tx. 15009 kglbib dk

Access: Open Services: X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Dc, e; Ma, c. Anton Frederik Bruun, Johannes Schmidt, Komiteen for den Danske Dybhavsexpedition ('Galathea' Expedition).

42. THE ROYAL LIBRARY (DEPARTMENT OF MANUSCRIPTS)  
PO Box 2149, DK-1219 Copenhagen K  
T. (01) 93-01-11 x411 Tx. 15009 kglbib dk

Access: Open Services: X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Dc. Danish material.

43. SVENDBORG OG OMEGENS MUSEUM  
Grobbemgårdsvej 13, DK-5700 Svendborg  
T. 09210261 Tx. -

Access: Open Services: P, X
Holdings: Documents
Timespan: 1800-1950
Area: Svendborg Sound and local waters
Detail: Aa, l, q; Db, c, d, e; Ma, b, c, d.

44. UNIVERSITY OF COPENHAGEN (ZOOLOGICAL MUSEUM)  
Universitetsparken 15, DK-2100 Copenhagen Ø  
T. (45-01) 35-41-11 Tx.-

Access: Open Services: None
Holdings: Samples, Documents
Timespan: From 1761
Area: Unrestricted
Detail: Sc; D; M. Danish 'Ingolf' Expedition (1895-6); 'Dana' Expedition (1928-30); 'Galathea' Expedition, (1950-52). Documents relating to Danish zoology.
EIRE

45. ROYAL DUBLIN SOCIETY
Bainbridge, Dublin 4
T. 01-680645 Tx 90352 rds ei
Access: Restricted Services: X
Holdings: Apparatus
Timespan: c1890
Area: Irish waters
Detail: Two Negretti & Zambra thermometers used in fisheries research sponsored by the Society during the late 19th century.

46. ROYAL IRISH ACADEMY
19 Dawson Street, Dublin 2
T. (Dublin) 764222 Tx. -
Access: Open Services: X
Holdings: Samples, Documents
Timespan: From 1850
Area: Seas around Ireland, Atlantic Ocean

47. UNIVERSITY COLLEGE CORK (ZOOLOGICAL MUSEUM)
Zoology Department, University College, Lee Mattings, Prospect Row, Cork
T. (010353) 21-276871 Tx. 76050 unlc el
Access: Restricted Services: None
Holdings: Samples, Documents
Timespan: From 1850
Area: Unrestricted
Detail: Pacific; Av Nordmann (1850s) Black Sea; Munsterhjelm (early 1900s) North Atlantic collections.

FINLAND

48. ÅLANDS SJÖFARTSMUSEUM
Hamngatan 2, SF- 22100 Mariehamn
T. 28-11-930 Tx. -
Access: Restricted Services: P, X
Holdings: Apparatus, Documents
Timespan: From 1800
Area: Local coastal waters
Detail: Material related to Åland Islands.

49. FINNISH INSTITUTE OF MARINE RESEARCH (LIBRARY)
PO Box 33, SF- 00931 Helsinki
T. 358-0-331044 TX. 125731 imr sf
Access: Restricted Services: No information
Holdings: Apparatus, Samples, Documents
Timespan: From 1898
Area: Baltic Sea
Detail: Rolf Witting; Kuri Buch; Henrik Renqvist; Stina Gripenberg; Sven G Segerstråle; Ilmo Hela; Folke Koroleff; Erkki Palosuo; Eugenie Lisitin. Original Instruments designed at the Institute. Physics, chemistry, biology, sea ice and some early sedimentary studies.

50. HANGON MUSEO
Bulevardi 15, SF- 10900 Hanko
T. 358-11-83131 Tx. -
Access: Open Services: C, P, X
Holdings: Apparatus, Documents
Timespan: From 1700
Area: Baltic Sea
Detail: Fishing industry.

51. HELSINKI UNIVERSITY (ZOOLOGICAL MUSEUM)
P Rautatiekatu 13, SF- 00100 Helsinki
T. 40271 Tx. -
Access: Open Services: None
Holdings: Samples
Timespan: From 1850
Area: Northern Baltic and some from elsewhere
Detail: Lai; Db.c.d.e; M. Museum ship 'Sigyn', 3-masted barque built 1887.

FRANCE

52. SJÖHISTORISKA MUSEET VID ÅBO AKADEMI
Biskopsgatan 13, SF- 20500 Abo
T. 921-654152 Tx. -
Access: Open Services: C, P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1800
Area: Local coastal waters
Detail: Aa,c,i,l; Da.b.c.d; Ma.b.e.

53. ARCHIVES DÉPARTEMENTALES DE LA CHARENTE-MARITIME
136-144 rue de Coureilles, F- 17000 La Rochelle
T. 46-45-17-77 Tx. -
Access: Open Services: None
Holdings: Documents
Timespan: 17th and 18th centuries
Area: Atlantic Ocean
Detail: La Rochelle and Marennes Admiralty records; mercantile navigation and fisheries; log-books; wreck reports.

54. ARCHIVES DÉPARTEMENTALES DES CÔTES-DU-NORD
7 rue François Merlet, F- 22000 St-Brieuc
T. 96-78-78-77 Tx. -
55. ARCHIVES DÉPARTEMENTALES DE L'HÉRAULT
2 avenue de Castelnau, BP 1268, F-34011 Montpellier Cedex
T. 67-79-65-45

Access: Open
Services: C, P, M, X
Holdings: Documents
Timespan: 1760-1940
Area: Local coast
Detail: Mb. Project to drain part of St-Brieuc Bay; other official maritime archives.

56. ARCHIVES DÉPARTEMENTALES DE LA SEINE-MARITIME
Cours Clemenceau, F-76101 Rouen
T. 35-03-54-95

Access: Open
Services: C, P, M, X
Holdings: Documents
Timespan: 19th and 20th centuries
Area: Local coast
Detail: Ma,b,c,d. Coastal engineering; archives of societies and expeditions; maritime administration.

57. ARCHIVES MUNICIPALES DE BORDEAUX
71 rue du Loup, F-33000 Bordeaux
T. 56-90-91-60

Access: Open
Services: C,(free), P, X
Holdings: Documents
Timespan: 1898-1908
Area: North Atlantic
Detail: Dc, Ma. Archive of the "Société de géographie commerciale" has relevant material. Records of the "Société d'océanographie du Golfe de Gascogne".

58. COLLÈGE DE FRANCE, LABORATORY OF MARINE BIOLOGY (LIBRARY AND HERBARIUM)
F-29110 Concarneau
T. 98-97-06-59

Access: Restricted
Services: X
Holdings: Apparatus, Samples, Documents
Timespan: From 1859
Area: No information
Detail: Sc, Ma,d. Marine biology, embryology, biochemistry. Cronan herbarium (seaweeds).

59. IFREMER
BP 1049, F-44037 Nantes Cedex
T. 40-37-40-00

Access: Restricted
Services: No information
Holdings: Apparatus, Samples, Documents
Timespan: From 1918
Area: Atlantic and East Indian Oceans, Mediterranean Sea
Detail: Ab,c,d,g,l; Sc; Mc.

60. INSTITUT OCÉANOGRAPHIQUE
195 rue St Jacques, 75005 Paris
T. (01) 43-25-63-10

Access: Restricted
Services: X
Holdings: Documents
Timespan: From 1830s
Area: Unrestricted
Detail: A; Sc; Db; Ma,d. A large collection of stereoscopic slides, dating back to the early 20th century, taken during the expeditions of Cdt Charcot and Prince Albert I. Expeditions of Prince Albert I of Monaco (from 1885) and Cdt J B Charcot (early 20th century). Reports of expeditions 'L'Astrolabe' (1826-1829), 'La Recherche' (1838-1840), 'L'Uruguay' (1844-1845), 'Travailleur' and 'Talisman' (1906-1910).

61. MUSÉE FRANÇAIS DE LA PHOTOGRAPHIE
78, rue de Paris, BP 3, F-91570 Bievres
T. (1) 69-41-10-60

Access: Restricted
Services: P
Holdings: Documents
Timespan: From 19th century
Area: No information
Detail: Db. Gabriel Bertrand's photographs of Prince Albert of Monaco's oceanographic research, c1900.

62. MUSEUM D'HISTOIRE NATURELLE
12, rue Fontaine Neuve, F-66000 Perpignan
T. 68-35 63 30 x6536

Access: Restricted
Services: None
Holdings: Samples
Timespan: 19th century
Area: Unrestricted
Detail: Sc. Mollusc collections of Massot, Bucquoy, Peprat (Mediterranean) and Lavigne (New Caledonia).

63. MUSÉE DE LA MARINE (SERVICE D'ÉTUDES ET DOCUMENTATIONS)
Palais de Chaillot, Place du Trocadero, F-75116 Paris
T. 45-53-31-70

Access: Restricted
Services: P, X
Holdings: Documents
Timespan: From 17th century
Area: Atlantic Ocean
Detail: No information

64. MUSEUM NATIONAL D'HISTOIRE NATURELLE (CENTRE CNRS, ANTHROPOLOGIE MARITIME)
43 rue Cuvier, F-75005 Paris
T. (1) 43-31-40-10

13
65. **MUSEUM NATIONAL D'HISTOIRE NATURELLE (ICHTYOLOGIE GÉNÉRALE ET APPLIQUÉE)**
   43 rue Cuvier, F- 75231 Paris Cedex 05
   T. (1) 43-31-40-10Tx. -
   Access: Restricted Services: C(free), P, X
   Holdings: Samples, Documents
   Timespan: From 1750
   Area: Mediterranean Sea
   Detail: Sc; D. Fish collections from Cuvier, Valenciennes, and from the major national and international expeditions.

66. **MUSÉE NAVAL DE LA CITADELLE**
   F- 83990 St-Tropez
   T. 94-97-06-53 Tx. -
   Access: Open Services: C, P
   Holdings: Apparatus, Documents
   Timespan: To 1944
   Area: Mediterranean Sea
   Detail: Ao,b; Dd; Ma,b,c. Local navigation, harbour, fishing.

67. **MUSÉE DE LA PÊCHE**
   BP118, F- 29181 Concarneau
   T. 98-97-10-20 Tx. -
   Access: Open Services: No information
   Holdings: Apparatus, Documents
   Timespan: From 19th century
   Area: Unrestricted
   Detail: At, Db,c. Fishing gear.

68. **MUSÉE DE ST-MALO ET MUSÉE INTERNATIONAL DU LONG-COURS CAP-HORNIER**
   Château-Hotel de Ville, BP 147, F- 35408 St-Malo Cedex
   T. 99-40-71-11 Tx. -
   Access: Restricted Services: P, X
   Holdings: Documents
   Timespan: From 1600
   Area: Unrestricted

69. **UNIVERSITÉ PIERRE ET MARIE CURIE - CNRS UA 117 (LABORATOIRE ARAGO)**
   F- 66650 Banyuls-sur-mer
   T. 68-88-00-40 Tx. 505020 aragoba l

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**GERMANY, DEMOCRATIC REPUBLIC**

70. **MEERESMUSEUM FUR MEERESKUNDE UND FISCHEREI DER DDR**
    Katharinenberg 14, DDR- 2300 Stralsund
    T. Stralsund 5135 Tx. -
    Access: Open Services: None
    Holdings: Apparatus
    Timespan: c1930
    Area: Unrestricted
    Detail: Ad,g. No other Information.

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**GERMANY, FEDERAL REPUBLIC**

71. **DEUTSCHES MUSEUM (SPECIAL COLLECTIONS AND MARITIME DEPARTMENTS)**
    Museumsinsel 1, D- 8000 München
    T. (089) 2179-220 Tx. 05-24211 d
    Holdings: Apparatus, Samples, Documents
    Timespan: From 19th century
    Area: Baltic Sea, North and South Atlantic Ocean
    Detail: Aa,b,c,d,f,h,j,k,l; Sa,b; Db,d; Ma,d. Otto Krömml, Victor Hensen, Georg Wust. 'Meteor' cruises previous to World War 2. Baltic research.

72. **UNIVERSITÄT KIEL (INSTITUT FÜR MEERESKUNDE)**
    Düsternbrooker Weg 20, D- 2300 Kiel 1
    T. (0431) 597-3902 Tx. 292619 ifmk d
    Holdings: Apparatus, Samples, Documents
    Timespan: From 1870
    Area: Baltic Sea, North and South Atlantic Ocean
    Detail: Aa,b,c,d,f,h,j,k,l; Sa,b; Db,d; Ma,d. Otto Krümmel, Victor Hensen, Georg Wust. 'Meteor' cruises previous to World War 2. Baltic research.

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**GREECE**

73. **NATIONAL CENTRE FOR MARINE RESEARCH**
    Aghios Kosmas, Hellinikon, GR- 16604
    T. 9820214 Tx. 224135 ncmr gr
ITALY

77. **CNR, ISTITUTO SPERIMENTALE TALASSOGRASSICO**
Viale R. Gessl 2, 34123 Trieste
T. (040) 305 312 Tx. -
Access: Restricted Services: None
Holdings: Apparatus
Timespan: From 1900
Area: Mediterranean Sea
Detail: No other information.

ICELAND

74. **THE NATIONAL ARCHIVES OF ICELAND**
Laugavegur 162, 105 Reykjavik
T. 91-623393 Tx. -
Access: No information Services: No information
Holdings: Documents
Timespan: No information
Area: No Information
Detail: M. Yearly reports of Bjarni Saemundsson from 1890s to 1940, mainly on marine biology and commercial fisheries, also ocean temperatures.

INDIA

75. **NATIONAL ARCHIVES OF INDIA**
Janpath, 110001 New Delhi
T. 383436 Tx. -
Access: Open Services: C, P, X
Holdings: Apparatus, Documents
Timespan: To 19th century
Area: No Information
Detail: No other information.

INDONESIA

76. **CENTRE FOR OCEANOLOGICAL RESEARCH AND DEVELOPMENT (LIPI)**
Jalan Pasir Porth 1, Ancol Timur, PO Box 580, DAK, Jakarta 11001
T. 683-850 Tx. 45875 pdin la
Access: Restricted Services: None
Holdings: Samples, Documents
Timespan: From 1899
Area: Indonesian coastal waters
Detail: No other information.

77. **CIVICO MUSEO NAVALE DIDATTICO**
Via San Vittore 21, 20123 Milano
T. (2) 481 7270 Tx. -
Access: Restricted Services: None
Holdings: Apparatus, Documents
Timespan: 19th and 20th centuries
Area: Mediterranean Sea
Detail: M. Yearly reports of Bjarni Saemundsson from 1890s to 1940, mainly on marine biology and commercial fisheries, also ocean temperatures.

78. **MUSEO CIVICO DI STORIA DELLA SCIENZA**
Piazza dei Giudici 1, 50122 Firenze
T. (055) 29-34-93 Tx. -
Access: Open Services: C, P, X
Holdings: Apparatus, Documents
Timespan: No information
Area: No Information
Detail: No other information.

80. **MUSEO CIVICO DI STORIA NATURALE 'GIACOMO DORIA'**
Via Brigata Liguria 9, 16121 Genova
T. (010) 564-567 Tx. -
Access: Restricted Services: None
Holdings: Apparatus, Samples, Documents
Timespan: 1800-1938
Area: Mediterranean
Detail: No other information.

81. **MUSEO TECHNICO NAVALE**
Viale Amendola 1, 19100 La Spezia
T. (0187) 36151 x2251 Tx.-
Access: Open Services: None
Holdings: Apparatus, Samples, Documents
Timespan: 1800-1938
Area: Mediterranean
Detail: No other information.

15
82. STAZIONE ZOOLOGICA ‘ANTON DOHRN’ (ARCHIVES)
Villa Comunale, 80121 Napoli
T. (081) 5833274 Tx. 720256 szn I
Access: Restricted Services: P, M, X
Holdings: Samples, Documents
Timespan: From 1870
Area: Mediterranean Sea
Details: Sc; Dd; Gc; f. Gaetano Chierici; F A Krupp; Italian Navy. Oceanographical expeditions in the Mediterranean. Collection of preserved biological specimens; collection of algae.

83. UNIVERSITY OF BOLOGNA (LIBRARY)
Via Zamboni 35, 40126 Bologna
T. (051) 243420
Access: Open Services: C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Details: Ma,d. Archive of L F Marsigli (1658-1730) (published catalogue) and material relating to other naturalists.

MONACO

84. INTERNATIONAL HYDROGRAPHIC BUREAU (LIBRARY)
7, avenue Président J F Kennedy, BP 445, MC- 98011 Monaco Cedex
T. (33) 93-50-65-87 Tx. 479164 inhorg mc
Access: Open Services: No information
Holdings: Documents
Timespan: From 1921
Area: Unrestricted
Details: Md. No other information.

85. MUSÉE OCÉANOGRAPHIQUE (BIBLIOTHÈQUE)
Avenue St-Martin, Monaco-Ville, MC- 98000
T. 93-30-15-14 x49 Tx. 469037 remona mc
Access: Restricted Services: P, X
Holdings: Documents
Timespan: From 1890
Area: Unrestricted
Details: Dc; Ma,c,d. Prince Albert I of Monaco's cruises and research. Monaco oceanographic museum records.

86. MUSÉE OCÉANOGRAPHIQUE (SERVICE DES COLLECTIONS)
Avenue St-Martin, Monaco-Ville, MC- 98000
T. 93-30-15-14 x25 Tx. 469037 remona mc
Access: Restricted Services: C, P, X
Holdings: Apparatus, Samples, Documents

NETHERLANDS

87. FISHERY MUSEUM, INSTITUTE FOR THE NORTH SEA FISHERY OF THE NETHERLANDS
Westhavenkade 53-54, NL- 3131 AG Vlaardingen
T. (010) 434-8722
Access: Restricted Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1860
Area: North Sea
Details: Ab,k,l, n,o,p; Ta; Db,c,d,e; Ma,b. Fish, fishing methods, boats and social background of fisheries.

88. INSTITUTE FOR TAXONOMIC ZOOLOGY
Postbus 4766, NL- 1009 AT Amsterdam
T. (020) 525-7234
Access: Restricted Services: C(part)
Holdings: Samples, Documents
Timespan: From 1850
Area: Unrestricted
Details: Ab,c,d,p; Tc; Dc,e; Ma,d.

89. KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT
Postbus 201, NL- 3730 AE De Bilt
T. 3130-766911
Access: Restricted Services: C(free), X
Holdings: Apparatus, Documents
Timespan: From 1850
Area: Unrestricted
Details: Ab,c,d,p; Tc; Do,a; Ma,d.

90. NEDERLANDS INSTITUTE FOR FISHERY INVESTIGATIONS
Haringkade 1, PO Box 68, NL- 1970 AB Ijmuiden
T. (31) 2550-64646
Access: Open Services: P, X
Holdings: Apparatus, Documents
Timespan: From 1880
Area: North Sea
Details: Ab,c,d,h,i,m. P P C Hoek, first Director, first General Secretary of ICES (1902-07). North Sea fisheries. ICES Foundation Archives (kept at the Hague) may be seen here by appointment.
91. UNIVERSITEITS BIBLIOTHEEK VAN AMSTERDAM (KAARTENZAAL)
Singel 425, NL-1012 WP Amsterdam
T. (020) 525-2354 x55 Tx. -
Holdings: Documents
Timespan: From 1550
Area: Unrestricted

NEW ZEALAND

92. FISHERIES RESEARCH CENTRE
PO Box 297, Wellington
T. (04) 861-029 Tx. 30049 malfrc nz
Access: Restricted Services: X
Holdings: Documents
Timespan: 1901-07
Area: New Zealand coastal waters
Detail: Do. New Zealand government trawling expeditions, 1900-01 and 1907.

93. UNIVERSITY OF OTAGO, PORTOBELLO MARINE LABORATORY
PO Box 8, Portobello, Dunedin
T. (024) 780-011 Tx. -
Access: Open Services: P, X
Holdings: Documents
Timespan: From 1900
Area: Southeast New Zealand coastal waters
Detail: Db,e, Ma,d. G M Thomson and other early researchers. Materials relating to institution's establishment originally as Portobello Fish Hatchery and Biological Station.

NORWAY

94. 'FRAM' MUSEUM
Bygdøy, N- 0286 Oslo 2
T. No Information Tx.-
Access: Open Services: C, P, M
Holdings: Apparatus, Samples, Documents
Timespan: 1893-1912
Area: Polar Seas, Antarctica
Detail: Ta. Fridtjof Nansen (Arctic Polar Sea), Otto Sverdrup (Canadian Arctic Sea), Roald Amundsen (Antarctic Polar Sea).

95. GEOFYSISK INSTITUTT (AVD OSEANOGRafi)
Allergt 70, N- 5000 Bergen
T. No Information Tx.-
Access: Open Services: No information
Holdings: Apparatus, Documents
Timespan: From 1600
Area: Northern Seas
Detail: Aa,b,c,d,f,h;i; Da,b,c,d,e; Ma,d. Helland-Hansen, Haakon Mosby. Expeditions in northern seas, mainly Norwegian Sea.

96. INSTITUTE OF MARINE RESEARCH, DIRECTORATE OF FISHERIES
PO Box 1870, Nordnes, 5024 Bergen
T. 47-5-327760 Tx. 42297 ocean n
Access: Restricted Services: P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: North Atlantic, Barents and Arctic Seas, Norwegian coast
Detail: Aa,c,d,f,i,m,o; Sc; Da,b,c,d; Ma,b,c,d. Norwegian fishery research expeditions in North Atlantic, Barents Sea, Norwegian Sea, since 1900.

97. SANDEFJORD MARITIME MUSEUM (COMMANDER CHR. CHRISTENSEN'S WHALING MUSEUM)
Prinseringsgaten 99, N- 3200 Sandefjord
T. 034-63251 Tx. -
Access: Restricted Services: P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: 19th and 20th centuries
Area: Unrestricted
Detail: No Information

98. UNIVERSITY OF OSLO (INSTITUTE OF GEOPHYSICS)
PB 1022, Blindern, N- 0315 Oslo 3
T. (02) 45-58-23 Tx. -
Access: Open Services: None
Holdings: Apparatus
Timespan: 1900-20
Area: Unrestricted
Detail: Aa,d. No other information.

PHILIPPINES

99. NATIONAL MAPPING AND RESOURCE INFORMATION AUTHORITY (OCEANOGRAPHIC SURVEYS DIVISION)
421 Barraca Street, Binondo, PO Box 1620 Manila
T. 47-96-11 Tx. 722-7373 cgs ph
100. NATIONAL MUSEUM OF THE PHILIPPINES (BOTANY AND ZOOLOGY DIVISION)
Executive House, Rizal Park, PO Box 2659
Manila
T. 977-307  Tx. -
Access: Open  Services: P, M
Holdings: Apparatus, Documents
Time span: From 1947
Area: No Information
Detail: Al; Ta; Df.

101. UNIVERSITY OF SAN CARLOS
Cebu City 6401
T. 7-24-10  Tx. -
Access: Restricted  Services: None
Holdings: Samples
Time span: From 1950
Area: No Information
Detail: Sc. Corals.

102. ARCHIWUM AKT NOWYCH
Niepodlegosci ul 162, 02-554 Warszawa
T. 49-50-07  Tx. -
Access: Restricted  Services: X
Holdings: Documents
Time span: From 1918
Area: Unrestricted
Detail: D. Records of various ministries of industry, navigation and commerce. Shipping company records. Archives 132, 286, 286(ii), 313, 547, 246, 247, 299,518, 828 have relevant material.

103. ARCHIWUM PAŃSTWOWE IN GDANSK
Ul. Waly Płastowskie 5, 80-958 Gdańsk
T. 31-74-64  Tx. -
Access: Open  Services: C(free), m, X
Holdings: Documents
Time span: From 18th century
Area: Baltic Sea, Atlantic Ocean
Detail: Dc; Mb, d. Records of 18th century shipwreck and damage in Baltic and North Seas. Shipping industry records from 19th and 20th centuries.

104. ARCHIWUM PAŃSTWOWE IN SZCZECIN
Ul św Wojciecha 13, 70-410 Szczecin
T. 36-770  Tx. -
Access: Open  Services: M
Holdings: Documents
Time span: From 1800
Area: North Sea
Detail: D. Cartographic documents.

105. AQUARIO 'VASCO DA GAMA'
Rua Direita, Dafundo, 1495 Lisboa
T. (01) 419-6337  Tx. -
Access: Open  Services: X
Holdings: Apparatus, Samples, Documents
Time span: From 1896
Area: Portuguese coastal waters
Detail: Aa,b,c,d,l,j,m; Sc; Da,d,e; Ma,c,d. Dom Carlos I, 'Amelia' Expeditions, 1896-1903, collections, data and other documents. Fishing techniques and apparatus.

106. INSTITUTO HIDROGRÁFICO
Rua das Trinas 49, 1296 Lisboa Codex
T. 601191/6  Tx. 65990 hidrog p
Access: Restricted  Services: M, X
Holdings: Apparatus, Samples, Documents
Time span: From 1917
Area: Atlantic Ocean, Pacific Ocean
Detail: Aa,c,d,f,g,h,i,m,n;o; Sa,c; Da,d,e; Md. Hydrography and oceanography generally.

107. MUSEU MUNICIPAL DE FUNCHAL
Rua de Mouraria 31, 9000 Funchal, Madeira
T. 091-29761  Tx. 72349 funcal p
Access: Open  Services: X
Holdings: Samples, Documents
Time span: From 1930
Area: Northeast Atlantic Ocean, especially round Madeira and other islands
Detail: No information. Fish collections from RRS 'Challenger' and RRS 'Discovery' expeditions to the area (published).

108. MUZEUL DE ISTORIE NATURALA 'GRIGORE ANTIPA'
Sos. Kiseleff 1, 79744 Bucuresti
T. 50-47-25  Tx. -
109. ROMANIAN MARINE RESEARCH INSTITUTE
Lenin 300, RO-8700, Constantza 3
T. 40-916-43288 Tx. 14342
Access: Restricted Services: None
Holdings: Specimens, Documents
Time span: From 1929
Area: Black Sea
Detail: Sc; Mab. Grigore Antipa, first Romanian Black Sea Expedition, 1893. Papers of I Borcea (1929-32) and M Ceian (1931-50).

SPAIN

110. ARCHIVO HISTORICO NACIONAL
Serrano 115, 28006 Madrid
T. 261-7052 Tx. -
Access: Open Services: C, P, M, X
Holdings: Documents
Time span: 16th century and from 18th century
Area: Unrestricted
Detail: Do; M. Isaac Pera) (inventor of sub-marine). Federico de Botella (late 19th century) hydrographic charts of Spain and Portugal. Alsedo y Herrera Expedition, South America, (1771 etc). Maps, plans, drawings of ports, coasts, navigation routes, exploration of North and South America.

111. BIBLIOTECA NACIONAL
Paseo de Recoletos 20, 28001 Madrid
T. 275-6800 Tx. -
Access: No information Services: No information
Holdings: Documents
Time span: No information
Area: No information
Detail: Only a few manuscripts in "Cartografía y Geografía modernas" section are relevant.

112. INSTITUTO ESPAÑOL DE OCEANOGRAFÍA: CENTRO OCEANOGRAFICO DE BALEARES
Muelle de Ponienta s/n, Apt 291, 07080 Palma de Mallorca
T. 71-401877 Tx. 69493 ieob e
Access: Restricted Services: X
Holdings: Apparatus, Samples, Documents
Time span: From 1886
Area: Southern Bay of Biscay
Detail: Afi.m; Sc; Db,d; Mb,d. Prof. A Gonzales de Linares, founder and first director of the laboratory. Prof. J Rioja, second director.

113. INSTITUTO ESPAÑOL DE OCEANOGRAFÍA: CENTRO OCEANOGRAFÍA DE FUENGIROLA
Puerto Pesquero, Fuengirola, Malaga
T. (952) 478148 Tx. 79280 ieoa e
Access: Restricted Services: None
Holdings: Apparatus, Samples, Documents
Time span: From 1920
Area: No information
Detail: Ab,d,f,l; Md. No other information.

114. INSTITUTO ESPAÑOL DE OCEANOGRAFÍA: LABORATORIO DE SANTANDER
Promontorio de San Martín, Apt 240, 39080 Santander
T. (42) 275033 Tx. 35998 leos e
Access: Restricted Services: X
Holdings: Apparatus, Samples, Documents
Time span: From 1886
Area: Southern Bay of Biscay
Detail: Afl.m; Sc; Db,d; Mb,d. Prof. A Gonzalez de Linares, founder and first director of the laboratory. Prof. J Rioja, second director.

115. MUSEO MARITIMO DEL CANTÁBRICO
Calle San Martín de Bajamar s/n, 39004 Santander, Cantabria
T. 942-274962 Tx. -
Access: Open Services: No information
Holdings: Apparatus, Samples, Documents
Time span: From 1886
Area: Cantabrian coast
Detail: Md. Material relating to the earlier "Estación de Biología Marítima", Santander.

116. MUSEO NACIONAL DE CIENCIAS NATURALES
Calle José Gutierrez Abascal 2, 28006 Madrid
T. (91) 411-1328 Tx. -
Access: Open Services: C(free) P, X
Holdings: Apparatus, Samples, Documents
Time span: From 1775
Area: Unrestricted
Detail: Aj; Sc; Dd,e; Ma,b,c,d. 'Malaspina' Expedition (1850), photographs and drawings.
117. MUSEO NAVAL (LIBRARY, MANUSCRIPTS SECTION)
Montalbán 2, 28014 Madrid
T. (1) 521-0419 Tx.-
Access: Open Services: C, P, M, X
Holdings: Documents
Timespan: 18th and 19th centuries
Area: Mediterranean Sea, Atlantic Ocean, Pacific Ocean
Detail: Dc,d,e; Ma,b,c,d. Alejandro Malaspina’s Expedition (1789-1794). Antonio de Córdoba’s Expedition to Magellan Strait. Spanish 18th century expeditions.

118. BENGT HJELMQVIST
Åry Herrgård, S- 36043 Aryd
T. (00946) 470-74-70 Tx. -
Access: Restricted Services: X
Holdings: Documents
Timespan: 1890-1954
Area: Unrestricted

119. GÖTEBORG UNIVERSITY LIBRARY (MANUSCRIPTS DEPARTMENT)
Box 5096, S- 40222 Göteborg
T. (031) 63-17-13 Tx. 20896 ubgbg s
Holdings: Documents
Timespan: 1850-1905
Area: Unrestricted

120. INSTRUMENTFAB A B LYTH
Helgalunden 17, S-11658 Stockholm
T. (08) 43-43-47 Tx.
124425 lythkompass s
Access: Restricted Services: None
Holdings: Apparatus, Documents
Timespan: From 1861
Area: Unrestricted
Detail: Ad. Ma,d. No other information.

121. LANDSARKIVET
Box 135, S- 75104 Uppsala
T. (018) 152170 Tx. -
Access: No Information Services: X
Timespan: No information
Area: No Information
Detail: Mb. No other information.

122. SJÖFARTSMUSEET I GÖTEBORG
Karl Johansgaten 1-3, S- 41459 Göteborg
T. (0) 31-61-10-00 Tx. -
Access: Restricted Services: No information
Holdings: Apparatus
Timespan: From 1920
Area: Unrestricted
Detail: Aa,b,c,d,g,h,i; Ta; Sb. Hans Pettersson. Swedish Deep Sea Expedition in ‘Albatross’ (1847-48). Relief map from the ‘Museum für Meereskunde’ in Berlin, based on data from ‘Meteor’ Expedition (1925-27).

123. STATENS SJÖHISTORISKA MUSEUM
Muselvagen 3, S-11527 Stockholm
T. 46(0)6-22-39-80 Tx. -
Access: Open Services: X
Holdings: Documents
Timespan: No information
Area: No information
Detail: Db,c,d; Ma,c,d. ‘Vanadis’ Expedition (1883). ‘Vega’ Expedition (1878-80), with Palander collection.

124. SWEDISH METEOROLOGICAL AND HYDROGRAPHICAL INSTITUTE (OCEANOGRAPHICAL LABORATORY)
PO Box 2212, S- 40314 Göteborg
T. 4631-630349 Tx. 27108 natlis1 s
Access: Restricted Services: C,X
Holdings: Apparatus, Documents
Timespan: From 1864
Area: Baltic, Kattegat, Skagerrak, North Sea, Barents Sea
Detail: Ab,d,i,m; Da,c.e; Ma,b,c,d. Notes and manuscripts of Prof. Otto Pettersson and Prof. Hans Pettersson. Swedish expeditions in Baltic, North and Barents Sea. Material from Swedish Deep-Sea Expedition (circumnavigation) (1947-8). Observation logbooks of meteorology and oceanography on Swedish light vessels from 1864.

125. MUSÉE D’HISTOIRE DES SCIENCES
128 rue de Lausanne, CH- 1202 Genève
T. (022) 31-69-85 Tx. -
Access: Restricted Services: P, X
Holdings: Apparatus, Documents
Timespan: From 1861
Area: Unrestricted

126. MUSÉE DU LEMAN
Musées de la ville de Nyon, Place du Château 5, CH- 1260 Nyon
T. (022) 613881 Tx. -
Access: Restricted Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 19th century
Area: Lake Leman
Detail: Aa,b,c,d,e,l,h,j,k,l,m,n,o,q,r, Sc; Db,d; Ma. F A Forel, Mercanton, Plantamour, J D Colladon (1802-93).

SWITZERLAND
THAILAND

127. CHULALONGKORN UNIVERSITY (MARINE SCIENCE DEPARTMENT)
Faculty of Science, Phya Thai Road, Bangkok 10500
T. 2511951 Tx. 20217
Access: Open Services: P, X
Holdings: Documents
Timespan: From 1936
Area: Gulf of Thailand, South China Seas, Andaman Sea
Detail: Db,c,d,e,f; Ma,b,c,d.

TUNISIA

128. INSTITUT NATIONAL SCIENTIFIQUE ET TECHNIQUE D'OCEANOGRAPHIE ET DE PECHE (MUSEE)
Rue 2 Mars 1934, Salammbô 2025
T. (01) 730-420 Tx. 14739
Access: Restricted Services: C(free) P, M, X
Holdings: Apparatus, Documents
Timespan: No Information
Area: No Information
Detail: Aa,b,c,d,I; Tb; Dd,e; Ma,c,d.

UNITED KINGDOM (ENGLAND AND WALES)

129. BEDFORDSHIRE RECORD OFFICE
County Hall, Bedford, MK42 9AP
T. (0234) 228833
Access: Open Services: C, P, M, X
Holdings: Documents
Timespan: 1885-1940
Area: Unrestricted
Detail: Ma. Papers of G Herbert Fowler (1861-1940).

130. BODLEIAN LIBRARY (DEPARTMENT OF WESTERN MANUSCRIPTS)
Broad Street, Oxford OX1 3BG
T. (0965) 277000 Tx. 83656
Access: Restricted Services: P, M, X
Holdings: Documents
Timespan: From 1690
Area: Unrestricted
Detail: De; Ma. Papers of 17th century scientists who were interested in the Mediterranean and the problem of the current in the strait of Gibraltar - Thomas Smith and John Greaves; also correspondence and papers of Sir Henry Sheeres and Richard Bolland at Tangier (Rawlinson mss); correspondence of W J Sollas, member of the Funafuti Expedition (1896). Some papers of James Rennell. Papers of Sir Alister Hardy. Archives of the British Association for the Advancement of Science. Correspondence and papers of John Wallis, 17th century astronomer who also wrote on tides.

131. BRITISH ANTARCTIC SURVEY
High Cross, Madingley Road, Cambridge, CB3 0ET
T. (0223) 61188
Access: Restricted Services: C, P, X
Holdings: Documents
Timespan: From 1944
Area: Southern Ocean
Detail: De; Md. Sea ice observations. Little oceanographic work was carried out before 1950.

132. BRITISH GEOLOGICAL SURVEY (LIBRARY)
Nicker Hill, Keyworth, Nottingham NG12 5GG
T. 06077-6111 x3205 Tx. 378173
Access: Open for data Services: X, P
Holdings: Documents
Timespan: From 1835
Area: British Isles
Detail: Dc,d,e; Ma,b,d. Correspondence of Sir Charles Lyell, Sir Archibald Geikie, P H Gosse, T H Huxley and others. Notebook of Edward Forbes (1844-54). Ms copy of Robert Sibbald's "Natural History of Scotland". Sea level changes. Development of marine fauna.

133. BRITISH LIBRARY (DEPARTMENT OF MANUSCRIPTS)
Great Russell Street, London WC1B 3DG
T. (01) 323-7513/4 Tx. 21462
Access: Restricted Services: C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Dc,d,e; Ma,b,c. William Dampier (Sloane mss); correspondence of James Croll, Capt. C J Phipps (Arctic voyage of 1773); Captain Cook, journal of 3rd voyage; letterbook of John Wallis (1651-1701). C Wynn Peirson's letters to Macmillan & Co (1872-1880). Jean Andre Peyssonnel's "Traite sur le corail" (1751).

134. BRITISH MUSEUM (NATURAL HISTORY) (BOTANY DEPARTMENT)
Cromwell Road, London SW7 5BD
T. (01) 938-9352
Access: Open Services: C, P, M, X
Holdings: Documents
Timespan: From 1835
Area: Unrestricted
135. BRITISH MUSEUM (NATURAL HISTORY) (ZOOLOGY DEPARTMENT)
Cromwell Road, London SW7 5BD
T. (01) 938-9296  Tx. -
Access: Restricted  Services: P, M, X
Holdings: Samples, Documents
Timespan: From 1870
Area: Unrestricted
Detail: Sa,b,c,d; Ma,c,d. Collections made on the voyages of 'Terra Nova' (1910-12), 'Discovery' (1901-4), RRS 'Discovery II' (1930-37), 'Munihino' (1949), HMS 'Challenger', HMS 'Penguin', 'Valdivia' etc.

136. BRITISH MUSEUM (NATURAL HISTORY) (GENERAL LIBRARY)
Cromwell Road, London SW7 5BD
T. (01) 938-9191  Tx. 01929437 nhpubs g
Access: Restricted  Services: C(part), P, X
Holdings: Documents
Timespan: From 1768
Area: Unrestricted
Detail: Sa,b,c,d; Ma,c,d. Photographs taken on the voyage of HMS 'Challenger' (1872-6). Papers of A C L G Gunther (1850-1914). Correspondence, 1861-1725; notebooks and correspondence of W H Wollaston; papers of Sir William Thomson (Lord Kelvin); Charles Darwin; James Hornell and George Parker Bidder (marine biology); P H Gosse.

137. BRITISH MUSEUM (NATURAL HISTORY)
(DEPARTMENTS OF LIBRARY SERVICES, MINERALOGY AND PALAEONTOLOGY)
Cromwell Road, London SW7 5BD
T. 1) 938-9123  Tx. 0129437 nhpubs g
Access: Restricted  Services: C(part), P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1830
Area: Unrestricted
Detail: Sa,b,c,d; Ma,b,c,d. Logbooks and diaries kept by scientists on the 'Challenger' Expedition (1872-6); library, manuscripts and sediments collection of Sir John Murray; material collected by RRS 'Discovery' and RRS 'Discovery II' (1925-29). Rocks and sediments from the 'Terra Nova' (1910-12) and other expeditions. Lists of soundings from 'Dacia' (1883), 'Egeria' (1887-88), 'Flying Fish' (1887), HMS 'Iris' (1912), 'Knight Errant' (1880), 'HMS 'Penguin' (1896), HMS 'Porcupine' (1869-70), HMS 'Ramblar' (1905), HMS 'Sealark' (1905), USS 'Tuscarora' (1873-78) and others. Challenger Office letterbooks. Notes of H B Guppy on the Solomon Islands and ocean soundings. Autograph diary of John Rattray, SS 'Buccaneer' (1865-66).

138. BRUCE CASTLE MUSEUM
Lordship Lane, London N 17 8NU
T. (01) 808-8772  Tx. -
Access: Restricted  Services: P, X
Holdings: Documents
Timespan: 1864-1950
Area: No Information
Detail: Sa,b,c,d; Ma,c,d. Business archives of R W Monro Ltd, instrument makers.

139. CAMBRIDGE UNIVERSITY LIBRARY
(MANUSCRIPTS DEPARTMENT)
West Road, Cambridge CB3 5DR
T. (0223) 337733  Tx. 81395
Access: Open  Services: C, P, M, X
Holdings: Documents
Timespan: From 1661
Area: Unrestricted
Detail: Sa,b,c,d; Ma; Sa,b,c,d. Correspondence and papers of Sir Isaac Newton (1661-1725); notebooks and correspondence of W H Wollaston; papers of Sir William Thomson (Lord Kelvin); Charles Darwin; James Hornell and George Parker Bidder (marine biology); P H Gosse.

140. CAMBRIDGE UNIVERSITY, TRINITY COLLEGE LIBRARY
Trinity College, Cambridge CB2 1TQ
T. (0223) 338488  Tx. -
Access: Open  Services: P, X
Holdings: Documents
Timespan: 1817-1853
Area: Mainly Atlantic Ocean and North Sea
Detail: Sa,b,c,d; Ma; Sa,b,c,d. Correspondence and papers of William Whewell who worked on the theory and observation of tides during the 1830s and 1840s.
141. CHELTENHAM PUBLIC LIBRARY
Clarence Street, Cheltenham,
Gloucester GL50 3JT 
T. (0242) 582269 Tx. - 
Access: Restricted Services: X
Holdings: Documents 
Timespan: 1862-1860 
Area: UK and India 
Detail: Ma. Some papers of Francis Day, ichthyologist, including a natural history journal of Jonathan Couch, 2 volumes, 1862-66, 1 volume of letters and papers on the fishes of Malabar, 2 volumes of correspondence, press cuttings etc.

142. CHRISTS COLLEGE
Cambridge, CB2 3BU 
T. (0223) 334900 Tx. - 
Access: Restricted Services: X
Holdings: Documents 
Timespan: 1872-76 
Area: Circumnavigation track of HMS 'Challenger'
Detail: Db. Photograph albums of the 'Challenger' Expedition collected by J Y Buchanan, (1872-76).

143. CHURCHILL ARCHIVES CENTRE
Churchill College, Storeys Way, Cambridge
CB3 0DS 
T. (0223) 336078 Tx. - 
Access: Restricted Services: X
Holdings: Documents 
Timespan: From 1915 
Area: No information 
Detail: Ma. Scientific and personal papers of Sir Edward Crisp Bullard.

144. CORNWALL COUNTY RECORD OFFICE
County Hall, Truro TR1 3AY 
T. (0872) 74282 x3127 Tx. - 
Access: Restricted Services: P, M, X
Holdings: Documents 
Timespan: From 1889 
Area: Local 
Detail: Ma,b. Sea Fisheries Committee, minutes and papers. Local fishing records and merchant fishing records over a longer period.

145. FOREIGN AND COMMONWEALTH LIBRARY
Cornwall House, Stamford Street, London SE1 9NS 
T. (01) 211-0117 Tx. - 
Access: Open Services: X
Holdings: Documents 
Timespan: 19th and 20th centuries 
Area: Former UK colonies and Dependencies 
Detail: Mb. Some unpublished reports on fisheries in former British colonies and dependent territories.

146. HACKNEY ARCHIVES DEPARTMENT
Rose Lipman Library, De Beauvoir Road, London N1 5SQ 
T. (01) 241-2886 Tx. - 
Holdings: Documents 
Timespan: From 1860 
Area: No information 

147. THE HANCOCK MUSEUM
The University, Newcastle upon Tyne, NE2 4PT 
T. (091) 232-2359 Tx. - 
Access: Restricted Services: C, P, X
Holdings: Samples, Documents 
Timespan: From 1830 
Area: Mainly North Sea and British Isles 
Detail: Sb,c, Dd, Ma. Marine biology. Joshua Alder: collections of marine Algae, Hydrozoa, Crustacea, Mollusca (esp nudibranchs), manuscripts; George French Angas; George Barlee; George Stowardson Brady; Hugh Canning; Albany Hancock; George Hodge; M V Lebouri A M Norman; HMS 'Porcupine'.

148. HORNIMAN MUSEUM AND LIBRARY
London Road, Forest Hill, London SE23 3PQ 
T. (01) 699-1872 Tx. - 
Access: Open Services: None
Holdings: Samples, Documents 
Timespan: From 1875 
Area: No information 

149. HULL CITY RECORD OFFICE
79 Lowgate, Kingston upon Hull, HU1 2AA 
T. (0482) 222015 Tx. - 
Holdings: Documents 
Timespan: From 1850 
Area: Humber estuary. North Sea, N W Europe 
Detail: D; M. Records of the Humber Conservancy from 1850 onwards. Company records of trawling owners, including catch data.

150. IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE (ARCHIVES)
South Kensington, London SW7 2AZ 
T. (01) 589-5111 x2039 Tx. - 
Access: Restricted Services: C
Holdings: Documents 
Timespan: 1846-1855
151. INDIA OFFICE LIBRARY AND RECORDS
Orbit House, 197 Blackfriars Road, London SE1 8NG
T. (01) 928-9531  Fax. 21462 brief g
Access: Open  Services: C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Atlantic, Indian Ocean, Persian Gulf
Detail: Dc,d; Ma,b,c. Records of East India Company voyages between London and Asian ports.

152. INSTITUTE OF OCEANOGRAPHIC SCIENCES, DEACON LABORATORY
Wormley, Godalming, Surrey GU8 5UB
T. (042 879) 4141  Fax. 858833
Access: Restricted  Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: Unrestricted
Detail: A; Sa,c, Db,c,d,e; Ma,b,c,d. Papers and correspondence of John Ellis, J Couch, J Day Stackhouse, G Montagu, and others.

153. INSTITUTION OF CIVIL ENGINEERS
1-7 Great George Street, London SW1P 3AA
T. (01) 222-7722
Access: Restricted  Services: C, P, X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Db,d; Ma,d. Wave measurements. Portraits.

154. ISLE OF WIGHT COUNTY RECORD OFFICE
26 Hillside, Newport, Isle of Wight PO30 2EB
T. (0983) 821000 x3820 Tx. -
Access: Open  Services: X
Holdings: Documents
Timespan: 1870-1913
Area: No Information

155. LANCASHIRE RECORD OFFICE
Bow Lane, Preston, Lancashire PR1 2RE
T. (0772) 54868 x3028 Tx. -
Access: Restricted  Services: C, P, M, X
Holdings: Documents
Timespan: From 1891
Area: Irish Sea
Detail: Dc,o; M. Records of the Lancashire and Western Sea Fisheries Joint Committee, from 1891.

156. LINNEAN SOCIETY OF LONDON (LIBRARY)
Burlington House, Piccadilly, London W1V 0LQ
T. (01) 434-4479  Fax. -
Access: Restricted  Services: X
Holdings: Samples, Documents
Timespan: From 1740
Area: Unrestricted
Detail: Dc,o,d; Ma,c,d. Papers and correspondence of John Ellis, J Couch, J Day Stackhouse, G Montagu, and others.

157. LIVERPOOL RECORD OFFICE
William Brown Street, Liverpool L3 8EW
T. (051) 207-2147 x34  Fax. 629500
Access: Restricted  Services: C, P, M, X
Holdings: Documents
Timespan: 1768-1793
Area: Liverpool
Detail: D. Observations of tides and weather made by William Hutchinson (1715-1801), Dock Master at Liverpool between 1768 and 1793.

158. MAGDALENE COLLEGE (THE PEPYS LIBRARY)
Cambridge, CB3 0AG
T. (0223) 332100  Fax. -
Access: Restricted  Services: C, P, M
Holdings: Documents
Timespan: 1600-1703
Area: Unrestricted
Detail: Dc,d; M. Papers of Samuel Pepys, including Sir Henry Sheeres' manuscript on currents in the Strait of Gibraltar, 1675. Richard Bolland's "Mediterranean Journal" containing chart of the Strait of Gibraltar with observations on tides and currents. 1676.

159. MANCHESTER MUSEUM (ZOOLOGY DEPARTMENT)
The University, Manchester M13 9PL
T. (061) 275-2666  Fax. -
Access: Restricted  Services: No information
Holdings: Samples, Documents
Timespan: 1870-1920
Area: Atlantic Ocean, Mediterranean Sea
Detail: Sc; Ma,d. Mollusca specimens from HMS 'Challenger' (1872-76) and the Scottish National Antarctic Expedition (1902-04). Waters collection of Bryozoa. Halkyard and Sidebottomi collections of Foraminifera.
160. **MINISTRY OF AGRICULTURE, FISHERIES AND FOOD (FISHERIES LABORATORY)**
Conwy, LL 32 8UB
T. (0492) 593883 Tx. 97470 fshlow g
**Access:** Restricted **Services:** None
**Holdings:** Documents
**Timespan:** From 1913
**Area:** Local waters
**Details:** Db,d,e; Ma,b,d. Work on mussel purification, oyster and algal culture trials.

161. **MINISTRY OF AGRICULTURE, FISHERIES AND FOOD (FISHERIES LABORATORY)**
Lowestoft, Suffolk, NR33 OHT
T. (0502) 562244 Tx. 97470 fshlow g
**Access:** Restricted **Services:** X
**Holdings:** Apparatus, Documents
**Timespan:** From 1920
**Area:** North Sea and UK waters
**Details:** Ad; Do. Mimeographed reports of cruises of laboratory research vessels (in library). Current meter records obtained by Dr J N Carruthers in 1920s and 1930s. Some reversing thermometers.

162. **MINISTRY OF DEFENCE (HYDROGRAPHIC DEPARTMENT)**
Taunton, TA 2DN
T. 0823-337900
**Access:** Restricted **Services:** C, X
**Holdings:** Documents
**Timespan:** From 1791
**Area:** Unrestricted
**Details:** Db,c,d,e; Ma,b,c.d. Charts, logbooks, correspondence and papers of Admiralty surveyors. These include observations of tides and tidal streams, eg Graeme Spence: Tides of the Scilly Islands (1792); Captain W Hewett: observations in the North Sea (1840). Deep sea soundings, current, and temperature measurements. Individual items include: sounding books of HMS 'Challenger' (1872-6) with temperature observations and remark books; Captain Calveri's journals of cruises of HMS 'Porcupine' (1869 and 1870); T H Tizard's narrative of deep-sea exploration of the Faeroe Channel in HMS 'Triton' (1882); W L Wharton's current observations in the Dardanelles and Bosphorus (1872); T A B Spratt's Mediterranean correspondence (1844-63); correspondence relating to G H Fowler's voyages in HMS 'Triton' (1872-6) and to his initiative regarding the role of oceanographic work in the Hydrographic Department, 1918-21.

163. **THE NATIONAL LIBRARY OF WALES**
Aberystwyth, Dyfed, SY23 3BU
T. (0970) 623816 Tx. 35165 lgcnw g
**Access:** Open **Services:** P, M, X
**Holdings:** Documents
**Timespan:** No Information
**Area:** Unrestricted
**Details:** Db,c,d; Ma. Papers of shipbuilders, merchants and naval officers.

164. **NATIONAL MARITIME MUSEUM**
Greenwich, London SE10 9NF
T. (01) 658-4422 Tx. -
**Access:** Open **Services:** C, P, M, X
**Holdings:** Apparatus, Samples, Documents
**Timespan:** No information
**Area:** Unrestricted
**Details:** Ab,b,c,d; Sb; Db,c,d,e; Ma,b,c. 1840's Blot waterbottle. STC archive (includes submarine telegraphy). Papers of T H Tizard (navigating Lt on HMS 'Challenger' 1872-6). Journal of John Hynes, Paymaster on HMS 'Challenger', (1873-4). Some whaling logs and meteorological journals. Papers relating to Royal Navy 19th century exploration. Photograph albums from 'Challenger' Expedition (1872-76). A C Hardy's watercolours of marine life from the 'Discovery' Expedition (1925-27). Admiralty collection of ships' plans. 'Sir James Cailed', small boat in which Shackleton sailed from Elephant Island to South Georgia in 1915.

165. **NATIONAL METEOROLOGICAL ARCHIVE**
Eastern Road, Bracknell, Berkshire RG12 2UR
T. (0344) 420242 x2521 Tx. 849801
**Access:** Open **Services:** P, M, X
**Holdings:** Documents
**Timespan:** From 1800
**Area:** Unrestricted
**Details:** Da, c, Mb. Over 100 000 volumes of ships' weather logs held, from mid-19th century onwards.

166. **NATIONAL MUSEUMS AND GALLERIES ON MERSEYSIDE, LIVERPOOL MUSEUM**
William Brown Street, Liverpool L3 8EN
T. (051) 207-0001 Tx. -
**Access:** Restricted **Services:** X, P
**Holdings:** Apparatus, Samples, Documents
**Timespan:** From 1778
**Area:** Unrestricted
**Details:** Ab,d,f,q; Sb,c; Db,c,d,e; Ma. Maritime archives connected with the port of Liverpool and BICC plc archive (submarine cables). Models of cable-laying vessels 'Great Eastern' (1888) and 'Fee Cheu' (1878). Oceanographic apparatus including items from the former Liverpool Tidal Institute (now Proudman Oceanographic Laboratory) with some papers of A T Doodson. William Waddington's diatom collection; seaweeds of the Irish Sea. Invertebrate zoology: James Johnstone's fish pathology collection (early 20th century). 'Argo' Expedition to the West Indies (1876) specimens and manuscripts. Collecting diaries c1870 to 1910. Vertebrate zoology: collection of seabird cabinet skins. Collections from HMS 'Challenger' (1872-76).

167. **OXFORD UNIVERSITY MUSEUM (GEOLOGICAL COLLECTIONS)**
Parks Road, Oxford OX1 3PW
T. (0865) 272950 Tx. -
**Access:** Restricted **Services:** None
**Holdings:** Samples
**Timespan:** 1872-76
Ana: Circumnavigation track of HMS 'Challenger' (1872-76).

Detail: Sb. Geological samples from the voyage of HMS 'Challenger' (1872-76).

166. OXFORD UNIVERSITY MUSEUM
(ZOOLOGICAL COLLECTIONS)
Parks Road, Oxford OX1 3PW
T. (0865) 272950
Access: Restricted
Holdings: Samples, Documents
Timespan: From 1830
Area: Unrestricted
Detail: Sc; Ma. Indo-Pacific specimens from the voyage of HMS 'Challenger' (1872-76); Transit of Venus Expedition (1874); Material collected by Charles Darwin on the voyage of HMS 'Beagle'. Discovery Committee plankton samples, c1927-31.

169. OXFORD UNIVERSITY, PITT-RIVERS
MUSEUM
South Parks Road, OX1 3PP
T. (0865) 270927
Access: Restricted
Holdings: Samples, Documents
Timespan: From 1800
Area: Unrestricted
Detail: Db; M. Anthropological and ethnographical material, including photographs, collected by survey ships in the 19th century, including HMS 'Challenger', 'Alert', 'Flying Fish', 'Penguin', 'Dart', mainly from Pacific Ocean.

170. OXFORD UNIVERSITY (ZOOLOGICAL
DEPARTMENT)
South Parks Road, Oxford OX1 3PS
T. (0865) 271142
Access: Restricted
Holdings: Documents
Timespan: 1872-76
Area: No Information
Detail: Volume of 'Challenger' Expedition (1872-76) photographs.

171. PLYMOUTH MARINE LABORATORY
LIBRARY AND INFORMATION SERVICES
Citadel Hill, Plymouth PL1 2PB
T. (0752) 222772
Access: Restricted
Holdings: Apparatus, Samples, Documents
Timespan: From 1870
Area: Mainly British waters
Detail: A; Sc; Da,b,c,d,e; Ma,b,c,d. Archives of the Marine Biological Association of the UK (founded 1884) including correspondence and papers of E J Allen, G P Bidder, E T Browne. Diaries or notebooks of J T Cunningham, L R Crawshay and Walter Garstang.

172. PROUDMAN OCEANOGRAPHIC
LABORATORY
Bidston Observatory, Birkenhead,
Merseyside L43 7RA
T. (051) 653-8633
Access: Restricted
Holdings: Apparatus, Documents
Timespan: From 1867
Area: Liverpool coast
Detail: Af; D. Meteorological observations, observatory day-books. Doodson-Lege tidal prediction machine.

173. PUBLIC RECORD OFFICE
Ruskin Avenue, Kew, Richmond, Surrey
TW9 4DU
T. (01) 876-3444
Access: Open
Holdings: Documents
Timespan: From 1600
Area: Unrestricted

174. ROYAL ALBERT MEMORIAL MUSEUM
Queen Street, Exeter, Devon EX4 3RX
T. (0392) 265858
Access: Restricted
Holdings: Samples
Timespan: From 1800
Area: Unrestricted
Detail: Sc. Echinoderms: Sladen collection (including 'Challenger' material) 5800 specimens. Type material. Foraminifera: Carpenter collection (7000 microscope preparations). Type material. Mollusca: Type material. Montagu and genera collections (about 38 000 specimens).

175. ROYAL BOTANIC GARDENS (KEW
LIBRARY AND ARCHIVES DIVISION)
Kew, Richmond, Surrey TW9 3EA
T. (01) 940-1171
Access: Restricted
Holdings: Documents
Timespan: 1872-76
Area: Unrestricted
Detail: D; M. Voyage of HMS 'Challenger' (1872-76), letters etc: (i) Documents relating to the organisation of the expedition. (ii) Letters written during the expedition. (iii) "Climate of Kerguelen" by Nares. (iv) Documents relating to the period after the expedition. (v) Documents relating to the botanical collections. Journal kept in HMS 'Herald' (1847-51) by Berthold Carl Seeman (botanist) with papers and correspondence.
176. ROYAL GEOGRAPHICAL SOCIETY (ARCHIVES)
1 Kensington Gore, London SW7 2AR
T. (01) 589-5466 Tx. 933669 rgsldn g
Access: Restricted Services: C, P, M, X
Holdings: Documents
Timespan: From 1830
Area: Unrestricted
Detail: Db,c,d; Ma,c,d. Journals of the voyage of HMS 'Challenger' (1872-76) kept by Lt Pelham Aldrich, Lt Andrew Balfour and Chief Paymaster R R A Richards. Papers of H R Mill (1884-1944). Logs and other papers relating to the British National Antarctic Expedition, (SS 'Discovery')(1901-4). Society archives include correspondence from Sir John Murray, Vaughan Cornish, Fridtjof Nansen, Sir Charles Lyell and others. Index map to James Rennell's Atlantic Current Charts. Journals of Sir Clements Markham in HMS 'Alert' and HMS 'Valorous' (Arctic Expedition of 1875) with notes on deep sea sounding and apparatus developed in the years 1840-73.

177. ROYAL GEOGRAPHICAL SOCIETY (MAP ROOM)
1 Kensington Gore, London SW7 2AR
T. (01) 589-5466 Tx. 933669 rgsldn g
Access: Open Services: X, P
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: D. Extensive collection of maps and charts, particularly 19th century, covering all aspects of the world's oceans, including oceanographic, geophysical and meteorological items. Mostly printed but includes some manuscript items such as an undated diagram of currents in the Behring Straits.

178. ROYAL GREENWICH OBSERVATORY (ARCHIVES)
Herstmonceux Castle, Hailsham, East Sussex BN27 1RP. * Moving to Cambridge in 1989-90; archives likely to go to Cambridge University Library*
T. (0323) 833171 Tx. 87451 rgsldn g
Access: Open Services: C(free), P, M, X
Holdings: Documents
Timespan: From 1675
Area: Unrestricted
Detail: Dc,d; Ma,b,c,d. Records of oceanographic interest exist in the Observatory's own archive and in the Board of Longitude papers (18th century voyages), G B Airy (19th century tidal data), William Christie, Frank Dyson and Harold Spencer Jones. Log of William Wales, astronomer on Cook's second voyage.

179. THE ROYAL INSTITUTION (LIBRARY)
21 Albemarle Street, London W1X 4BS
T. (01) 409-2992 Tx. -
Access: Restricted Services: P, X
Holdings: Apparatus, Documents
Timespan: From 1800
Area: Unrestricted
Detail: Am; Dc,d,e; Ma,c,d. Atlantic cable; Michael Faraday; John Davy notebooks.

180. ROYAL INSTITUTION OF CORNWALL
County Museum and Art Gallery, River Street, Truro, Cornwall TR1 2SJ
T. (0872) 72205
Access: Open
Holdings: Documents
Timespan: 19th century
Area: Local
Detail: Db,d. Pilchard fishing industry in Cornwall (ship models, equipment, photographs etc). Notes on natural history and watercolours of British fishes by Jonathan Couch.

181. THE ROYAL SOCIETY
6 Carlton House Terrace, London SW1Y 5AG
T. (01) 839-5561 Tx. 917876
Holdings: Documents
Timespan: From 1660
Area: Unrestricted
Detail: Db,c,d,e; Ma,b,c,d. The Society's archives contain correspondence and papers on marine research from the mid-17th century to the 20th century; Robert Hooke, Robert Boyle, Sir Robert Moray, tidal observations and theories communicated to the Society in the 19th century. The Society was instrumental in the organisation of the 'Challenger' Expedition (1872-76) and in the publication of its results. It administers the Murray Bequest which in 1933-34 financed the John Murray Expedition to the Indian Ocean in 'Mahabiss' and supported other marine investigations including coral reef studies of the late 19th to early 20th centuries. Correspondence of Sir John William Lubbock.

182. SCIENCE MUSEUM (DEPARTMENT OF PHYSICAL SCIENCES)
Exhibition Road, South Kensington, London SW7 2DD
T. (01) 938-8000 Tx. 21200 scmlib g
Access: Restricted Services: C(free), P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1810
Area: Unrestricted
Detail: Aa,b,c,d,f,g,m,p,q; Sb; De.

183. SCIENCE MUSEUM LIBRARY
South Kensington, London SW7 5NH
T. (01) 938-8234 Tx. 21200 scmlib g
184. SCOTT POLAR RESEARCH INSTITUTE
University of Cambridge, Lensfield Road,
Cambridge CB2 1ER
T. (0223) 336540  Tx. -
Access: Restricted  Services: C, P, M, X
Holdings: Documents
Timespan: From 1900
Area: Mainly Arctic Ocean and Southern Ocean
Detail: Db, c, d; Ma, b, c, d. Manuscripts relating to Arctic and Antarctic exploration. Papers of H R Mill and W S Bruce.
Records of the Discovery Committee which carried out whaling research in the Inter-war period.

185. SOUTH HUMBERSIDE AREA RECORD OFFICE
Town Hall Square, Grimsby, South Humberside DN33 3LH
T. (0472) 353481  Tx. -
Access: Restricted  Services: P, X
Holdings: Documents
Timespan: From 1894
Area: Grimsby fishing grounds: (North Atlantic, Barents Sea, White Sea)
Detail: Ma. Grimsby trawler owners' company records.

186. TORQUAY MUSEUM
529 Babbacombe Road, Torquay TQ1 1HG
T. (0803)239758  Tx. -
Access: Restricted  Services: C
Holdings: Samples, Documents
Timespan: 1879-1906
Area: South Devon coast of the English Channel
Detail: Sb; D. Rocks from the English Channel, some collected by A R Hunt from material dredged by trawlers and published by him between 1879 and 1898; others from dredgings made by the Marine Biological Association, 1895-1906, and described by R H Worth FGS. Thin sections.

187. UNIVERSITY COLLEGE LONDON
(MANUSCRIPTS DEPARTMENT)
The Library, University College London,
Gower Street, London WC1E 6BT
T. (01) 387-7050 x2617  Tx. -
Access: Restricted  Services: C, P, M, X
Holdings: Documents
Timespan: From 1826
Area: Unrestricted

188. UNIVERSITY COLLEGE LONDON
(MUSEUM OF ZOOLOGY AND COMPARATIVE ANATOMY)
Biology Department, Medawar Building,
University College London, Gower Street,
London WC1E 6BT
T. (01) 387-7050  Tx. -
Access: Restricted  Services: None
Holdings: Samples, Documents
Timespan: From 1826
Area: No Information
Detail: Sc. R E Grant, Porifera spicules; E Ray Lankester, Limulus material; HMS 'Challenger' material; collections by E A Frazer and T A Stephenson on the Great Barrier Reef Expedition, 1928.

189. UNIVERSITY OF EXETER (DEPARTMENT OF BIOLOGICAL SCIENCES)
Hatherley Laboratories, Prince of Wales Road, Exeter EX4 4PS
T. (0392) 263789  Tx. 42894 exuniv g
Access: Open  Services: X
Holdings: Documents
Timespan: From 1800
Area: No information
Detail: D; M. Documentation on all Echinodermata from all oceans.

190 UNIVERSITY OF LEEDS
Leeds, LS2 9JT
T. (0532) 431571  Tx. 556473 unilds g
Access: Restricted  Services: None
Holdings: Documents
Timespan: From 1908
Area: North Sea coast of Britain
Detail: University Archive holds correspondence etc relating to property in Robin Hood's Bay and Whitby, formerly used as university field stations and as the site of the Wellcome Marine Laboratory (1967-82). The unpublished station list is held in the Department of Pure and Applied Biology.

191. UNIVERSITY OF LIVERPOOL (ARCHIVES)
Senate House, Abercromby Square, PO Box 147, Liverpool L69 3BX
T. (051) 794-2000  Tx. 627095 unilpl g
Access: Restricted  Services: P, X
Holdings: Apparatus, Documents
Timespan: From 1880
Area: No information
Detail: Ab; c, M. Manuscripts relating to Proudman Oceanographic Laboratory; Department of Oceanography; Marine Biological Station, Port Erin, Isle of Man. Notes on lectures by Professor J Proudman.
192. UNIVERSITY OF SOUTHAMPTON LIBRARY (HARTLEY LIBRARY AND ARCHIVES)
Highfield, Southampton, S09 5NH
T. (0703) 559122
Access: Restricted
Services: P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Do; Ma,b. Naval log books; papers of Prince Louis of Battenberg and Earl Mountbatten of Burma. Journal of William Mogg's Arctic voyages, 1821-25.

193. WELLCOME INSTITUTE FOR THE HISTORY OF MEDICINE (DEPARTMENT OF WESTERN MANUSCRIPTS)
183 Euston Road, London NW1 2BP
T. (01) 387-4477
Access: Open
Services: C, P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Do,d,e; Ma,c. E M Holmes, papers, including correspondence on marine algae; D G Lillie, marine biologist, 'Terra Nova' Expedition (1910-12) papers; G C Wallich, papers, mainly on marine biology; R N Rudmose-Brown, account of the Scottish National Antarctic Expedition (1902-04); Georges Claude.

194. WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, WHITBY MUSEUM
Pannett Park, Chubb Hill, Whitby, Yorkshire YO21 1RE
T. (0947) 602908
Access: Restricted
Services: None
Holdings: Documents
Timespan: No information
Area: Arctic Ocean
Detail: Do, M. Papers of William Scoresby the Elder and William Scoresby the Younger.

UNITED KINGDOM
(ISLE OF MAN AND NORTHERN IRELAND)

195. DEPARTMENT OF AGRICULTURE FOR NORTHERN IRELAND, FISHERIES RESEARCH LABORATORY
38 Castleroe Road, Coleraine
T. (0265) 44521
Access: Restricted
Services: X
Holdings: Samples, Documents
Timespan: 20th century
Area: North Atlantic and Irish Sea
Detail: D. Cruise reports and data for MAFF and DAFF vessels, and charter work. Little before 1950.

196. MANX MUSEUM
Douglas, Isle of Man
T. (0624) 75522
Access: Open
Services: None
Holdings: Apparatus, Samples, Documents
Timespan: From 1840
Area: Isle of Man, Irish Sea
Detail: At; Sb,c,d; Ma. Personal and family papers, and some sketches by Edward Forbes including two watercolours of Mediterranean fish. Specimens collected by local fishermen, with a few from the Marine Biological Station, Port Erin.

198. PUBLIC RECORD OFFICE OF NORTHERN IRELAND
66 Balmoral Avenue, Belfast BT9 6UY
T. (0232) 661621
Access: Open
Services: No information
Holdings: Documents
Timespan: From 1831
Area: Ireland's coastal waters

199. ULSTER MUSEUM
Botanic Gardens, Belfast, BT9 5AB
T. (0232) 381251
Access: Open
Services: P, M, X
Holdings: Documents
Timespan: Late 19th century
Area: Local waters
Detail: Papers on zoophytes by C Wyville Thomson. Papers of the Belfast Dredging Committee.

200. UNIVERSITY OF LIVERPOOL (DEPARTMENT OF MARINE BIOLOGY)
Port Erin, Isle of Man
T. (0624) 832027
Access: Restricted
Services: C, X
Holdings: Documents
Timespan: From 1902
Area: Irish Sea
Detail: D. Sea surface temperature data.

UNITED KINGDOM
(SCOTLAND)

201. DEPARTMENT OF AGRICULTURE AND FISHERIES FOR SCOTLAND
Marine Laboratory, PO Box 101, Victoria Road, Aberdeen AB9 8DB
T. (0224) 876544
Access: Restricted
Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1880
Area: North-east Atlantic
Papers relating to Scottish fisheries research, in particular the work of the Fishery Board for Scotland, 1882-1939, and the Scottish Home Department’s Fisheries Division, 1939-50. T W Fulton, A Bowman, R S Clark are among individuals represented; cruises of ‘Garland’, ‘Goldseeker’, ‘Explorer’, ‘Scotland’ and other research vessels also represented.

202. DUNDEE UNIVERSITY (ARCHIVES AND MANUSCRIPTS DEPARTMENT)
University Library, Dundee DD1 4HN
T. (0382) 23181
Access: Open
Holdings: Documents
Timespan: 1828-1914
Area: Northeast Scotland
Detail: Db, Ma. Sir D’Arcy Wentworth Thompson: some papers and photographs relating to his work in the Department of Natural History, University College, 1884-1914. Some papers relating to the whaling industry in the 19th century.

203. ELGIN MUSEUM
1 High Street, Elgin, Morayshire IV30 1WQ
T. (0343) 3675
Access: Restricted
Holdings: Documents
Timespan: 1832-1893
Area: Northeast Scotland
Detail: Sc, Ma. Correspondence of Dr George Gordon, Minister of Binnie, with A M Norman, J Gwyn Jeffreys, D’Arcy W Thompson, John Murray and others. Fossil fish collections.

204. GLASGOW UNIVERSITY (ARCHIVES)
Glasgow G12 8QG
T. (041) 330-5516
Access: Open
Holdings: Documents
Timespan: Unrestricted
Area: Unrestricted
Detail: Db, Ma. Papers of Sir John Graham Kerr, including items relating to the Millport Marine Station (Firth of Clyde). Negatives from the Scottish National Antarctic Expedition (1902-04) in ‘Scotland’. Sounding apparatus, tide gauge, and tidal analyser (1878), and other apparatus developed by Lord Kelvin.

205. GLASGOW UNIVERSITY (DEPARTMENT OF NATURAL PHILOSOPHY)
Glasgow G12 8QQ
T. (041) 339-8855 x5531
Access: Restricted
Holdings: Apparatus
Timespan: 19th century
Detail: Aa, f. Sounding apparatus, tide gauge, and tidal analyser (1878), and other apparatus developed by Lord Kelvin.

206. GLASGOW UNIVERSITY (LIBRARY)
Hillhead Street, Glasgow G12 8QE
T. (041) 339-8855 x5634
Access: Restricted
Holdings: Documents
Timespan: 1894-1938
Area: No information
Detail: Ma. Papers of Sir William Thomson (Lord Kelvin).

207. NATIONAL LIBRARY OF SCOTLAND (DEPARTMENT OF MANUSCRIPTS)
George IV Bridge, Edinburgh EH1 1EW
T. (031) 226-4531
Access: Open
Holdings: Samples, Documents
Timespan: From 1762
Area: Unrestricted
Detail: Db, c, d, e; Sc; Ma, b, c. Correspondence and papers of H and H M Cadell (1849-1930); Sir James M Wordie (1845-1959); N A Mackintosh (1924-54); F N Woodward (1919-85), including alginites; Alexander Dalrymple (1762-1807), T S Traill (1818-59); Sir John Murray (1882-1903); William Scoresby (1818-59); Edward Forbes (1841-54); Fridtjof Nansen (1892-1907). Plans of marine engineering works by the Stevenson family, 19th and 20th centuries. Business records and correspondence of John Bartholomew & Son, cartographers, from 1888.

208. NATIONAL LIBRARY OF SCOTLAND (DEPARTMENT OF PRINTED BOOKS)
George IV Bridge, Edinburgh EH1 1EW
T. (031) 226-4531
Access: Open
Holdings: Documents
Timespan: No information
Area: Arctic and Antarctic
Detail: Db. Photographs of whaling, mainly in Antarctica, in the Sir James Wordie collection.

209. NATIONAL MUSEUMS OF SCOTLAND, ROYAL MUSEUM OF SCOTLAND
Chambers Street, Edinburgh EH1 1JF
T. (031) 225-7534
Access: Restricted
Holdings: Apparatus, Samples, Documents
Timespan: 19th and 20th centuries
Area: Mainly North Sea and Polar regions
Detail: Aa, b, c, d, g, p; Tb; Sb, c; Db, c, d, e; Ma, c, d. Scottish National Antarctic Expedition (1902-04) and Scottish Oceanographical laboratory of William Spiers Bruce. HMS ‘Challenger’ (1872-76) photographs. Mollusca collected by Edward Forbes in the Aegean, by various survey ships, and by the Fishery Board for Scotland, 1901-20 and 1922-35.
210. NORTHEAST OF SCOTLAND MUSEUM SERVICE, ARBUTHNOT MUSEUM
St Peter Street, Peterhead, Aberdeenshire
AB46 0QE
T. (0779) 77778 Tx. -
Access: Restricted Services: P, X
Holdings: Documents
Timespan: 18th to 20th centuries
Area: Arctic, Antarctic, Davis Strait
Detail: Dc; Ma. The museum holds items brought back by
whalers, and whaling log-books.

211. ROYAL RESEARCH SHIP 'DISCOVERY'
Victoria Dock, Dundee
T. (0382) 201175 Tx. -
Access: Open Services: None
Holdings: Apparatus
Timespan: From 1901
Area: Antarctic waters
Detail: Am; Te. Built for Scott's Antarctic Expedition (1901-04),
Adapted in 1924 for oceanographic research in the South Atlantic,
1925-27. Further Antarctic voyages for BANZARE Expedition
(1928-30). In process of restoration.

212. ROYAL SCOTTISH GEOGRAPHICAL SOCIETY
10 Randolph Crescent, Edinburgh EH3 7TU
T. (031) 225-3330 Tx. -
Access: Open Services: None
Holdings: Documents
Timespan: c1902-04
Area: Unrestricted
Detail: Db; M. Material relating to W S Bruce and the voyage of
'Scotia' (1902-04); possibly slides; flag.

213. THE ROYAL SOCIETY OF EDINBURGH
22-24 George Street, Edinburgh EH2 2PQ
T. (031) 225-6057 Tx. -
Access: Restricted Services: X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Db,c; Ma,d. Correspondence on deep-sea deposits of the
Atlantic Ocean by Sir John Murray and James Chumley. Film of
whaling in the Faeroes.

214. SCOTTISH FISHERIES MUSEUM TRUST LTD
Harbourhead, Anstruther, Fife KY10 3AB
T. (0333) 310828 Tx. -
Access: Open Services: P
Holdings: Samples
Timespan: 1884-1899
Area: North Sea and English Channel
Detail: Sc. A few fish specimens collected by W C McIntosh.

215. SCOTTISH MARINE BIOLOGICAL ASSOCIATION, DUNSTAFFNAGE MARINE RESEARCH LABORATORY
PO Box 3, Oban, Argyll PA34 4AD
T. (0631) 2244 Tx. 76216 marlab g
Access: Restricted Services: X
Holdings: Documents
Timespan: From 1883
Area: Scottish waters
Detail: Db,o,d; Ma,b,c,d Papers relating to the foundation and
work of the Scottish Marine Station at Granton, and its work in the
Clyde, 1880s and 1890s. Archives of the Marine Biological
Station at Milford, from 1896. Papers of the Bute Marine
Biological Committee. Diaries of J T Cunningham (1883-1887).

216. SCOTTISH RECORD OFFICE
West Register House, Charlotte Square,
Edinburgh EH2 4DF
T. (031) 556-6585 x287 Tx. -
Access: Open Services: C(part), M, X
Holdings: Documents
Timespan: From 1809
Area: Scottish waters, North Atlantic, North Sea
Detail: Mb. Papers of the Fishery Board for Scotland. Source List
No. 9 covers documents on naval and maritime affairs.

217. STROMNESS MUSEUM
52 Alfred Street, Stromness, Orkney
T. (0856) 850025 Tx. -
Access: Restricted Services: None
Holdings: Samples
Timespan: From 1900
Area: Orkney coastal waters
Detail: Robert Rendell's collection of Orkney shells and
seaweeds.

218. UNIVERSITY OF ST ANDREWS, BELL-PETTIGREW MUSEUM (DEPT. OF BIOLOGY AND PRECLINICAL MEDICINE)
The University, St Andrews, Fife KY16 9TS
T. (0334) 76161 Tx. -
Access: Restricted Services: None
Holdings: Samples
Timespan: From c1820
Area: Unrestricted
Detail: Sc. Biological specimens including collections made by
W C McIntosh and Sir D'Arcy W Thompson.

219. UNIVERSITY OF ST ANDREWS (LIBRARY)
North Street, St Andrews, Fife KY16 9TR
T. (0334) 76161 Tx. -
Access: Restricted Services: C(part), P, M, X
Holdings: Documents
Timespan: 1880-1849
Area: North Sea and British coastal waters

Detail: Ma, b. Papers of William Carmichael McIntosh and Sir D'Arcy Wentworth Thompson. Published catalogue available includes material on the Fishery Board for Scotland and the International Council for the Exploration of the Sea.

220. UNIVERSITY OF EDINBURGH (UNIVERSITY LIBRARY)
George Square, Edinburgh EH8 9LJ
T. (031) 667-1011 Tx. 727442
Access: Open Services: C, P, M, X
Holdings: Documents
Timespan: From 1850
Area: Unrestricted
Detail: Da, d; Ma, b, c, d. Letters of Alexander Agassiz to Sir C Wyville Thomson and Sir John Murray. Papers relating to the voyage of HMS 'Challenger' (1872-76) and the Scottish Marine Station (1883-1901). Press cuttings of the Scottish National Antarctic Expedition (1902-04). Correspondence of Sir Charles Lyell and Sir Archibald Geikie including discussion of sea level changes. A few tape recordings of interviews with marine scientists.

221. UNIVERSITY MARINE BIOLOGICAL STATION
Millport, Isle of Cumbrae, KA28 0EG
T. (0475) 530581
Access: Open Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1880
Area: Clyde Sea area, Atlantic Ocean
Detail: Ab, c, d; Sc; Db; Md. History of Chesapeake Biological Laboratory, Solomons; diving equipment. Patuxent River and Chesapeake Bay fisheries and seafood processing.

222. AMERICAN MUSEUM OF NATURAL HISTORY (LIBRARY AND ARCHIVES)
Central Park West at 79th Street, New York NY 10024-5192
T. (212) 769-5419
Access: Restricted Services: P, X
Holdings: Documents
Timespan: From 1865
Area: Unrestricted
Detail: Dc, d; Ma, b, c. Louis and Alexander Agassiz. Thayer Expedition to Brazil; 'Albatross' East Pacific Expedition; Maldives Expedition; 'Blake' Expedition; 'Hassler' Expedition. No easy finding aid for original expedition material.

223. CALVERT MARINE MUSEUM
PO Box 97, Solomons, MD 20888
T. (301) 326-2042
Access: Open Services: P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1930
Area: Chesapeake Bay
Detail: Ab, c; Sc; Db; Md. History of Chesapeake Biological Laboratory, Solomons; diving equipment. Patuxent River and Chesapeake Bay fisheries and seafood processing.

224. CARNEGIE INSTITUTION OF WASHINGTON (DEPARTMENT OF TERRESTRIAL MAGNETISM)
5241 Broad Branch Road NW, Washington DC 20015
T. (202) 966-0863 Tx. 44027
Access: No Information Services: No Information
Holdings: Documents
Timespan: From 1902
Area: No Information
Detail: Department's early oceanographical work and voyages of SY 'Carnegie', but unsorted.

225. DARTMOUTH COLLEGE LIBRARY (SPECIAL COLLECTIONS)
Hanover, NH 03755
T. (603) 646-2037
Holdings: Documents
Timespan: 1850-1940
Area: Polar regions above 60°N and S latitudes
Detail: Db, c, d; Ma, b, c. Vilhjalmur Stefansson (1879-1962); Lady Franklin Bay Expedition (1881-4); Stefansson-Anderson Expedition (1908-12); Canadian Arctic Expedition (1913-18).

226. HARVARD UNIVERSITY, MUSEUM OF COMPARATIVE ZOOLOGY (LIBRARY)
26 Oxford Street, Cambridge MA 02138
T. (617) 495-2475
Access: Restricted Services: P, M, X
Holdings: Documents
Timespan: From 1865
Area: Unrestricted
Detail: Dc, d; Ma, b, c. Louis and Alexander Agassiz. Thayer Expedition to Brazil; 'Albatross' East Pacific Expedition; Maldives Expedition; 'Blake' Expedition; 'Hassler' Expedition. No easy finding aid for original expedition material.

227. KAHL SCIENTIFIC INSTRUMENT COMPANY
PO Box 1166, El Cajon, CA 92022-1166
T. (619) 444-2158 Tx. 697906
Access: No Information Services: No Information
Holdings: Apparatus, Documents
Timespan: No Information
Area: No Information
Detail: Ab, c; M
228. KITTERY HISTORICAL AND NAVAL MUSEUM
PO Box 453, Kittery ME 03904
T. (207) 439-3080 Tx. -
Access: Restricted Services: None
Holdings: Apparatus, Documents
Timespan: From 17th century
Area: Atlantic, Northern New England, New Hampshire and Maine coastal waters
Detail: A:J; T:a,b; D:b,c,d,e; M:a,b,c. Information and dives on local shipwrecks; log-books.

229. LIBRARY OF CONGRESS (MANUSCRIPT COLLECTION)
Washington DC 20540
T. (202) 287-5387 Tx. -
Access: Restricted Services: X
Holdings: Documents
Timespan: No Information
Area: No information
Detail: A D Badia (1806-67); Silas Bent (1820-87); G E Belknap (1832-1903); Benjamin Franklin (1706-90); M F Maury (1806-73); J Murray (1841-1914); H Wexler (1911-62); A T Waterman (1892-1967); C Wilkes (1798-1877); H C Gatty (1903-57); US Naval Observatory (1830-1900).

230. NATIONAL OCEAN SERVICE (NOAA)
Office of Oceanography and Marine Assessment N/O/MA 1, Room 315, WSC1, 6001 Executive Boulevard, Rockville MD 20852
T. (301) 443-8938 Tx. -
Access: Open Services: None
Holdings: Apparatus, Documents
Timespan: From 1807
Area: USA coastal waters
Detail: A:a,c,d,f,i,n,o,q; T:a,c; D; M:a,b. US Coast and Geodetic Survey relics. Tide predicting machine 1895 design.

231. NAVAL HISTORICAL CENTRE (OPERATIONAL ARCHIVES BRANCH)
Washington Navy Yard, Building 57, Washington DC 20374
T. (202) 433-3170 Tx. -
Access: Restricted Services: C(free), P, M, X
Holdings: Documents
Timespan: From 1941
Area: Unrestricted
Detail: T:a,b; D:c; M:a,b,c,d.

232. NAVAL HISTORICAL CENTER (PHOTOGRAPHIC SECTION)
Washington Navy Yard, Washington DC 20374-0571
T. (202) 433-2765 Tx. -
Access: Open Services: P, X
Holdings: Documents
Timespan: From 1837
Area: Unrestricted
Detail: A:a,b,o,d,g,l. C S Piggot's ocean bottom core sampler, c 1835, from Carnegie Institution, Washington. Ferret's Tide Predictor, c1882.

233. THE NAVY MUSEUM
Navy Yard, Building 76, Washington DC 20374-0571
T. (202) 433-4882 Tx. -
Access: Open Services: None
Holdings: Apparatus, Documents
Timespan: From 1600
Area: Unrestricted
Detail: M. Photographic coverage of persons, expeditions and ships, about 230 000 indexed images.

234. PRINCETON UNIVERSITY (LIBRARY)
1 Washington Road, PO Box 190, Princeton NJ 08544
T. (609) 452-3184 Tx. -
Holdings: Documents
Timespan: No Information
Area: Unrestricted
Detail: M. Harry Hess; Edward Grant Conklin (1863-1952); Philip Wylie (1902-71).

235. SAN FRANCISCO MARITIME NATIONAL HISTORICAL PARK
Fort Mason, Building 201, San Francisco CA 94123
T. (415) 556-3002 Tx. -
Access: No Information Services: P, X
Holdings: Apparatus, Documents
Timespan: 1879-1920
Area: Pacific Ocean
Detail: A:a,c; M. Louis Weulc Co. records (HDC-1).

236. SMITHSONIAN INSTITUTION, NATIONAL MUSEUM OF AMERICAN HISTORY (DIVISION OF PHYSICAL SCIENCES)
NMAH 5717, Smithsonian Institution, Washington DC 20560
T. (202) 357-2482 Tx. -
Access: Open Services: P, X
Holdings: Apparatus
Timespan: From 1837
Area: Unrestricted
Detail: A:a,b,o,d,g,l. C S Piggot's ocean bottom core sampler, c 1835, from Carnegie Institution, Washington. Ferret's Tide Predictor, c1882.
237. SMITHSONIAN INSTITUTION, NATIONAL MUSEUM OF NATURAL HISTORY
NMNH Smithsonian Institution, Washington DC 20560
T.  No Information Tx. -
Access: Restricted Services: None
Holdings: Samples, Documents
Timespan: From 1838
Area: Unrestricted
Detail: Sb,c; Db,c,d,e; Ma,b,c.d. Collections and station records of Fishery Steamer 'Albatross' and Government Vessels 'Oregon', 'Fish Hawk', Silver Bay', 'Anton Bruun'.

238. SMITHSONIAN INSTITUTION, OCEANOGRAPHIC SORTING CENTER
(PLANKTON CENTER)
NMNH Smithsonian Institution, Washington DC 20560
T. (301) 238-3797 Tx. -
Access: Restricted Services: No information
Holdings: Samples
Timespan: From late 19th century
Area: Gulf of Alaska, North Atlantic, North Pacific

239. STANFORD UNIVERSITY (DEPARTMENT OF SPECIAL COLLECTIONS AND UNIVERSITY ARCHIVES)
Cecil H Green Library, Stanford University, CA94305
T. (415) 723-4054 Tx. -
Holdings: Documents
Timespan: From 1873
Area: No information
Detail: M. David Starr Jordan (1851-1931); Edward F Ricketts (1897-1948); Stillman Berry (1887-1984); Cornelius van Niei; Oliver P Jenkens (1850-1935). Hopkins Marine Station. Oral history records.

240. TEXAS A & M UNIVERSITY (UNIVERSITY ARCHIVES)
Evans Library, College Station, TX 77843-5000
T. (409) 845-1815 Tx. -
Access: Open Services: C, X
Holdings: Documents
Timespan: From 1940
Area: Unrestricted
Detail: M. 55 oral history records.

241. UNITED STATES MERCHANT MARINE ACADEMY (LIBRARY)
Steamboat Road, Kings Point, NY 11024-1699
T. (516) 773-5503 Tx. -
Access: Restricted Services: None
Holdings: Documents
Timespan: From 1900
Area: No Information
Detail: Dc; Md. Ships' logs.

242. UNITED STATES NAVAL ACADEMY (MUSEUM)
Annapolis, MD 21402-5034
T. (301) 267-2108 Tx. -
Access: No information Services: P, X
Holdings: Documents
Timespan: From late 18th century
Area: No information
Detail: M. No other information.

243. UNITED STATES NAVAL LIBRARY (THE NIMITZ LIBRARY, SPECIAL COLLECTIONS)
Annapolis, MD 21402-5029
T. (301) 267-2220 Tx. -
Access: Open Services: P, X
Holdings: Documents
Timespan: 1759-1940s
Area: Unrestricted

244. UNIVERSITY OF CALIFORNIA (BODEGA MARINE LABORATORY)
PO Box 247, Bodega Bay CA 94923
T. (707) 875-2015 Tx. -
Access: Restricted Services: X
Holdings: Documents
Timespan: From late 1920s
Area: Central Californian coast
Detail: Db,d,e; M. 31 volumes of student reports with original photographs, data and drawings, from research studies.

245. UNIVERSITY OF CALIFORNIA, SAN DIEGO, SCRIPPS INSTITUTION OF OCEANOGRAPHY (ARCHIVES)
Mall Code C-0756, La Jolla CA 92093-0175
T. (619) 534-4878 Tx. 9103371271 ucwwd sio sdg
Access: Restricted Services: C(free), P, X
Holdings: Samples, Documents
Timespan: From 1850
Area: Unrestricted
246. UNIVERSITY OF SOUTHERN CALIFORNIA (HANCOCK LIBRARY OF BIOLOGY AND OCEANOGRAPHY)  
Los Angeles CA 90089-0372  
T. (213) 743-6005  
Access: Restricted  Services: X  
Holdings: Documents  
Time span: From 1940  
Area: Pacific rim  
Detail: D. "Velero IV Expeditions.

247. UNIVERSITY OF TEXAS AT AUSTIN (HARRY RANSOM RESEARCH CENTER)  
PO Box 7219, Austin TX 78713-7219  
T. (512) 471-9119  
Access: No information  Services: C, P, M, X  
Holdings: Documents  
Time span: From 1820  
Area: No information  

248. WOODS HOLE OCEANOGRAPHIC INSTITUTION (DATA LIBRARY)  
McLean Laboratory, Quissett Campus, Woods Hole MA 02543-1098  
T. (508) 546-1400 x2471  
Tx. 191679 oceaninst wooh  
Access: Restricted  Services: P, M, (for data only) X  
Holdings: Apparatus, Samples, Documents  
Time span: From 1897  
Area: No information  
Detail: Ta; Sb,c; Da.b,c,e; Ma,c,d. Ali WHOI cruises, flights and submarine dives including data reports from 1930. 'Alvin' archive, over 1 000 000 underwater photographs and related scientific work from over 2000 dives. World bottom photograph collection, over 4 000 000 negatives. New England climatological data from 1896.

249. INSTITUTE OF OCEANOGRAPHY AND FISHERIES  
PO Box 114, Moše Pijade 63, 59001 Split  
T. (058) 46-688  
Access: No information  Services: X  
Holdings: Apparatus, Samples, Documents  
Time span: From 1920  
Area: Adriatic Sea  
Detail: Ao,d,e,f,h,i,j,l,m,n; Ta; Sa; D; M,c,d

250. POMORSKI MUSEJ 'SERGEJ MAŠERA'  
Cankarjevo Nabrežje 3, Piran, 66330 SR Slovenija  
T. (0038) 66-73768  
Access: Open  Services: C, P  
Holdings: Documents  
Time span: No information  
Area: Unrestricted  
Detail: Dc; Mb.c,d.

251. RUDER BOŠKOVIC INSTITUTE, CENTRE FOR MARINE RESEARCH  
Ul Giordano Paliaga 5, 52210 Rovinj  
T. (052) 811-544  
Access: Restricted  Services: X  
Holdings: Apparatus, Samples, Documents  
Time span: From 1900  
Area: Adriatic Sea  
Detail: Ab,l,m; Sc; Dd; Ma. Herbarium Zaratin "Flora Marina Adriatica".
ADDENDUM

The following entries were received too late for inclusion in the main text.

ALGERIA

A. INSTITUTE DES SCIENCES DE LA MER ET DE L'AMENAGEMENT DU LITTORAL
   BP 90, 1er Novembre, Alger
   T. (02) 64-85-66 Tx. 67523 ismal dz
   Access: Open Services: P, X
   Holdings: Apparatus, Samples, Documents
   Timespan: 19th century
   Area: Unrestricted
   Detail: Aa,b,c,d,h,i,l,m,s: Sa,c; Ma,b.c.d. Inst. Maritime de Bou-
   Ismail; Prof. Bernard.

UNITED STATES OF AMERICA

E. LIBRARY OF CONGRESS (GEOGRAPHY AND MAP DIVISION)
   Washington DC 20540
   T. (202) 707-6277
   Holdings: Documents
   Timespan: From 1600
   Area: Unrestricted
   Detail: M. Nautical charts, sea atlases, coasting pilots, portolan charts.

BRAZIL

B. SERVIÇO DE DOCUMENTAÇÃO GERAL DA MARINHA (DEP. DE MUSEU NAVAL, ARQUIVO E BIBLIOTECA)
   Praça Barão de Ladario s/n, Ilha das Cobras, 20091 Rio de Janeiro
   T. (021) 233-9165 Tx. -
   Access: Restricted Services: C, P, M, X
   Timespan: 19th and 20th centuries
   Area: Atlantic Ocean, Antarctic
   Detail: Aa,b,c,d; Ta; Da,b,c,d,a; Ma,b,c.d. Material from Brazilian research institutes. Oceanographic ship 'Almirante Saldanha'.

C. SERVIÇO DE DOCUMENTAÇÃO GERAL DA MARINHA
   Rua D. Manuel 15, Centro, 20010 Rio de Janeiro
   T. (021) 221-7626 Tx. -
   Access: Restricted Services: C, P, X
   Holdings: Apparatus, Documents
   Timespan: 19th and 20th centuries
   Area: Unrestricted
   Detail: Aa,b,c,n; Dd,e; Ma,b,d. Material from the Brazilian Hydrographic Service.

EGYPT

F. NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES (NIOF)
   Mediterranean Branch, Kayet Bay, Alexandria
   T. (03) 801553 Tx. 93069 asrt-un
   Access: Open Services: C, P, X
   Holdings: Documents, Samples, Apparatus
   Timespan: 19th and 20th centuries
   Area: Unrestricted, with special emphasis on Mediterranean and Red Sea
   Detail: Apparatus from John Murray/Mabahiss Expedition 1933/34 and history of the institution.

ITALY

D. ISTITUTO IDROGRAFICO DELLA MARINA
   Passo Osservatorio 4, 16134 Genova
   T. (010) 265451 Tx. 270435 marid r
   Access: Restricted Services: No information
   Holdings: Apparatus, Documents
   Timespan: From 1872
   Area: No information
   Detail: Aa,b,c,d,g,m,o,p; M. Original apparatus designed by Admiral Magnaghi.

G. NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES (NIOF)
   Ghardaqa Research Station, Ghardaqa (Hurghada), Red Sea
   T. (062) 440414 Tx. 93069 asrt-un
   Access: Open Services: C, X
   Holdings: Documents, Samples, Apparatus
   Timespan: 19th and 20th centuries
   Area: Unrestricted, with special emphasis on Red Sea, Gulf of Aden and Indian Ocean
   Detail: Collections of fish and corals from the Red Sea, history of the Institution and John Murray/Mabahiss Expedition 1933/34
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