

International Association of Aquatic and Marine
Science Libraries and Information Centers

newsletter

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IAMSLIC '93

19th Annual Conference

Bethesda, Maryland

October 11-15, 1993

*Preserving the Past, Looking
to the Future*

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FROM THE PRESIDENT....

When Icelandic people meet and start conversation they start by talking about the weather. You have been aware of that in these columns as I have been writing about the weather in almost all of them. The reason for this is how big a role the weather plays in the minds of people living with harsh weather conditions and are depending on weather, like the fishermen, to be able make a living. All winter we wait for the summer with its bright nights, when you don't even have to sleep.

After rather cool but sunny summer the winter is slowly approaching again and that takes us to the usual duties from our summer vacations. Our annual conference is only a month away and that takes us to making arrangements for traveling, room and board in Washington during the conference days. I have never been to Washington but I know that there are lots of museums and libraries worth visiting. I know the organizers are making the final touch to the organization of the conference and I know it will be a good one like the previous conferences have been attending. You always make new friends at each conference and those contacts are invaluable when you return home and start your work again.

The conference program looks very promising. As the weather is

always at the top of the page, the pre-conference workshop is a very timely event. In the United States hurricane Evelyn has just reached the east coast with its destructing power and we have been reading news about floods, earthquakes and other natural disasters. Other events on the program are also very interesting and I am sure that everyone finds something of interest as always. I will particularly mention the papers on Polar libraries which are of interest to me personally as I live in the Polar region and I want especially to welcome the members of the Polar Libraries Colloquy to this IAMSLIC conference.

This newsletter is the first one under the editorship of our new editor, Richard Eissinger. I want welcome him to this difficult task of being the editor of the IAMSLIC Newsletter. I also want to urge members to contribute to the newsletter as I know there is always need for contributions.

Looking forward to seeing you in Washington!

- Eirikur T. Einarsson

The IAMS LIC newsletter is published quarterly, in March, June, September and December.

IAMS LIC assumes no responsibility for the statements and opinions advanced by contributions to IAMS LIC publications. Editorial views do not necessarily represent the official position of the association.

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From the Editors' Desk:

As your now former newsletter editor, I would like to welcome our new editor, Richard Eissinger. The newsletter is a big job and I'm sure that he is equal to it. After nine years of putting out the newsletter, I decided I'd had enough. The format of the newsletter hasn't changed in several years because I simply didn't have the time to devote to desktop publishing innovation. I was lucky to be able to slap those articles into little boxes and get it out the door every three months.

Thanks to all those who contributed information to the newsletter and a special thanks to Peter Brueggeman. Without his input we wouldn't have had a newsletter worth the cost of the postage. Thanks also to all of you who have provided positive feedback on the newsletter and even to those who pointed out the mistakes, typos, misprints and general screw-ups.

Please support our new editor - he has taken on a very large, time consuming job. Do him a big favor - meet his deadlines.

- Kristen Metzger

After patching together this September 1993 issue of the Newsletter, I have a great appreciation for the nine years of work that Kristen Metzger put into the job of Editor. I'm looking forward to the job, but I can use all the help I can get. Any suggestions or advice on what format you would like to see for the Newsletter, and especially any suggestion, advice or even criticism on the type of information you would like to see in the Newsletter would be most welcome.

The Newsletter provides this organization with a valuable vehicle for sharing information. This September 1993 issue of the IAMSLIC Newsletter is entirely made up of member contributed information. It is your newsletter and for it to continue being useful, members need to continue contributing articles and information.

All kinds of information are welcome. Regional news and information, conferences and workshops, publications, activities and descriptions of your institutions are all welcome additions to the Newsletter. The next issue will be sent out in the first week of December so start sending in those contributions now.

- Richard Eissinger

ELECTION OF IAMSLIC OFFICERS 1993-1994

Ballots for 1993-1994 officers were mailed in early September to all current IAMSLIC members. Also enclosed was a notice concerning a recommended change to the bylaws. Please return your ballot in the enclosed envelope or take it with you to the annual conference. No additional ballots will be available at the conference.

Nominations for President-Elect are:

**Janice Beattie
Natalie Wiest**

Nominations for Secretary are:

**Susan Berteaux
Pam Olson
Janet Webster**

Ballots for the election of 1993-1994 IAMSLIC Officers were mailed to all members in late August. Please return your ballots in the enclosed envelope or bring it to the annual conference. Additional ballots will not be available at the meeting. You must cast your vote with the numbered ballot received in the mail. If you have lost the return envelope, send your completed ballot to the Chair of the Nominating Committee:

**Kristen Metzger
Chair, Nominating Committee
Harbor Branch Oceanographic Institution, Inc.
5600 U.S. 1 North
Ft. Pierce FL 34946 USA**

TIME TO RENEW YOUR IAMSLIC MEMBERSHIP

Enclosed with this newsletter is your IAMSLIC renewal notice. Your dues expire on October 1st unless otherwise indicated on the notice. Please update the information provided and mail it along with your check made out to IAMSLIC before October 1st or bring your notice and check to the annual meeting in Bethesda, MD. Please save the organization money and don't wait for a second notice before renewing.

If your membership has already been paid for 93/94, your renewal notice will indicate that your dues expire on 10/1/94. If this is the case, you do not owe any money. However, please mail back the renewal notice with any changes to your address, FAX number, email address, etc. so they are correct for the next edition of the Membership Directory.

Handling the IAMSLIC renewals is a very time consuming task, and I receive no compensation for the many hours I spend dealing with 250 pieces of mail each year. There are several things that you can do to make my job easier. Renew on time; this means I don't have to send you a second notice and deal with your requests for issues you missed because you let your membership lapse. Be sure that you make the check out to IAMSLIC and not to me, so I don't have to cash the check and then write my own check to IAMSLIC. My work would be a lot easier if I didn't have to deal with vendors, so I would prefer you dealt with IAMSLIC directly. However, I understand that by maintaining your membership through a vendor you can avoid exchange problems since we require payment in U.S. dollars. If you must renew through a vendor, keep in mind that the renewal notice/invoice is mailed with this newsletter and does NOT get sent the your vendor. You should photocopy the renewal notice/invoice and send one copy to your vendor asking them to pay it. Send the second copy directly to me with any corrections and an indication the vendor you are using. I often get checks without the accompanying renewal notice, so I have to spend hours trying to figure out who the check is from. This is especially true with government agencies. If your organization is cutting the check and the paperwork is likely to get separated, I suggest you do the same thing as I suggested for those renewing through a vendor. Make a copy of the renewal notice/invoice and send one copy directly to me with any changes and any information that will help me identify the check when it arrives.

I have asked the Executive Board to consider allowing multiple year renewals. This would cut down on my work since I would have fewer checks to process each year. I expect it would also be of benefit for non-U.S. members since it would reduce the number of times they have to deal with getting their dues into U.S. dollars. There are issues of cash flow that need to be considered,

Thanks for your cooperation.

- Joe Wible

19TH ANNUAL IAMSLIC CONFERENCE

Preserving the Past, Looking to the Future

Nearly 1000 information packets were mailed around the world in early June for the 19th Annual IAMSLIC Conference, October 11-15, 1993, at the Hyatt Regency in Bethesda, Maryland. Final plans are now being made for an excellent conference. The agenda encompasses opportunities to learn new information, network with colleagues, view vendor exhibits and (of course) have fun.

It's time to return your registration forms. Registration Deadlines are September 3, 1993 at the fee of \$190, from September 3 - 17 the fee will be \$195, and after September 20 the fee will be \$210. No refunds after September 20.

If you have not yet made your hotel reservations, DO SO NOW. Even if your travel plans are uncertain, you can always cancel them later. The hotel is filling up fast and they will only hold our block of rooms until September 20.

For more information, contact:

Janice Beattie
Tel (301)713-2607
Fax (301)713-4598.

IAMSLIC '93
19th Annual Conference
Bethesda, Maryland
October 11-15, 1993
*Preserving the Past, Looking to
the Future*

MONDAY, OCTOBER 11, 1993

REGISTRATION: 8:30 a.m. - 5:00 p.m.

PRE-CONFERENCE WORKSHOP: 9:00 a.m. - 4:00 p.m.

DISASTER PREPAREDNESS.

Michael Trinkley, Chicora Institute.

Up-to-date information for libraries on preparing and implementing a disaster recovery plan.

EXECUTIVE BOARD MEETING

WELCOMING RECEPTION: 7:00 p.m. - 9:00 p.m.

TUESDAY, OCTOBER 12, 1993

REGISTRATION: 8:30 a.m. - 9:30 a.m.

WELCOME: Carol Watts, Director, NOAA Library

SESSIONS:

Document Delivery:

Lee Ann George, George Washington University

Karen Roubicek, Faxon Company

Martha Whittaker, UnCover Inc.

Jim Olivetti, OCLC Representative

The Marriage of Data Management & Library Science:

Bruce Gritton, Monterey Bay Aquarium Research Institute

Marine Policy:

GEMIM — Pauline Simpson

ASFA — Carol Watts, NOAA

U. S. Policies — Dorothy Bergamaschi, U.S. State Department

NOAA Programs:

National Marine Sanctuaries

Global Programs

Sea Level

International Fisheries

BUSINESS MEETING

RECEPTION: National Aquarium, Baltimore, Maryland.

Sponsored by Cambridge Scientific Abstracts (CSA)

WEDNESDAY, OCTOBER 13**SESSIONS:****Polar Libraries:**

Martha Andrews, Institute of Arctic & Alpine Research, Moderator.

Stuart Hibben, Cold Regions Bibliographic Project

Paul H. McCarthy, Rasmuson Library, University of Alaska

Sharon West, Rasmuson Library, University of Alaska

Eric Marshall, Freshwater Institute, Winnipeg

Archival Materials in Marine Science:

Trudy Peterson, National Archives

CD-ROMs — Comparisons of databases:

Peter Brueggeman, Scripps Institute of Oceanography

Elizabeth Fuseler, Colorado State University

James Markham, Univ. of California, Santa Barbara

Pam Mojfeld, University of Washington

Louise Richards, University of Washington

Saving our Coasts: Information for Conservation and Management through EPA's National Estuary Program

Natalie Wiest, Texas A&M University at Galveston

Janice Sieburth, University of Rhode Island

Darrell Brown, EPA, Office of Wetlands, Oceans, & Watersheds.

Barbara Butler, Oregon Institute of Marine Biology

Development & Implementation of SeaWiFS Records**Management System:**

Elaine Firestone, Goddard SpaceFlight Center

The Alvin Bibliography:

Susan Berteaux, Woods Hole Oceanographic Institution

Preserving Scientific Illustration:

Eva Jones, Harvard University

The Grey Literature:

David Coleman, University of Hawaii

Janet Webster, Oregon State University

BANQUET: The National Arboretum

THURSDAY, OCTOBER 14

SESSIONS:

Internet and Gateways:

Cathy Norton, Marine Biological Laboratory

Cheryl Burley, CIESIN

Interlibrary Loan and Networks:

G. W. Kamau, Kenyatta University

Tom Moritz, California Academy of Sciences

Sankare Yacouba, Centre De Recherches Oceanologiques, Cote d'Ivoire

BUSINESS MEETING

LIBRARY TOURS: (Select)

NOAA Library

Aquaculture Information Center, NAL

Smithsonian Institution — Natural History Library

EPA Library

Library of Congress

FRIDAY, OCTOBER 14

SESSIONS:

Serials Decisions — What to Cancel, What to Keep:

Stephanie Haas, University of Florida

Dwight Ittner, University of Alaska

Moving Projects — How and what to move:

Jean E. Crampon, University of Southern California

Bruce Keck, U. S. Geological Survey

Collections

Eileen N. McVey, Aquaculture Information Center, NAL

Ganeshan Rao, PIMRIS, University of South Pacific

Reference questions or "Send me everything you've got on sharks"...

Merrill Manke, Monterey Bay Aquarium

Reviewing the Oceanographic Literature Review

Kenneth T. Morse, University of Rhode Island

EXECUTIVE BOARD MEETING

LIBRARY TOURS: (Select)

NOAA Library

Aquaculture Information Center, NAL

Smithsonian Institution — Natural History Library

EPA Library

Library of Congress

NEWS FROM ORGANIZATIONS

ASFA BOARD MEETING REPORT

The 1993 meeting of the Aquatic Sciences and Fisheries Abstracts (ASFA) Board was held in Paris from 21-25 June 1993. The meeting was hosted by the Intergovernmental Oceanographic Commission (IOC), and was attended by representatives of the three other co-sponsors: the Food and Agriculture Organization (FAO), Rome; the United Nations Division for Ocean Affairs and the Law of the Sea, Office of Legal Affairs (UN/DOALOS/OLA), New York; and the United Nations Environment Programme (UNEP), Nairobi.

Also present were representatives of the ten National Partners were there including Canada, China, France, Germany, Japan, Norway, Portugal, Russia, United Kingdom, and the United States of America. Representatives of the Publisher, Cambridge Scientific Abstracts, were also present.

The AFSA Board agreed that FAO should continue to provide the Secretariat for the ASFA Board and was pleased to hear of enquiries from a number of countries to become National or Regional Partners. The Board also agreed to improve the coverage of some subjects within ASFA, and to increase the amount of grey literature being added.

The Board agreed to continue work on the revision of a number of the Aquatic Sciences and Fisheries Information System (ASFIS) tools, including in particular ASFIS-6, the ASFIS Thesaurus, and ASFIS-7, the ASFIS Geographic Authority List. They welcomed the recent publication of ASFIS-12, the *International Directory of Serial Publications in Aquatic Sciences and Fisheries*.

The AFSA Board accepted an invitation to have its next meeting in Tianjin, People's Republic of China, in October 1994.

ICLARM ON THE INTERNET

ICLARM Headquarters (International Center for Living Aquatic Resources Management) can receive and send messages now via Internet at:

ICLARM@CGNET.COM

- Linda Temprosa, ICLARM

FIJI OCEAN RESEARCH CENTER

A new ocean research center is to be established in Fiji. The Dutch-registered International Ocean Institute will operate under an agreement with the University of the South Pacific, and work closely with regional and international organizations.

The center will cover the South Pacific, including Australia and New Zealand, as well as South East Asia.

A memorandum of understanding has been signed in Suva between Fiji deputy prime minister, Filipe Bole, and the institute's director, Professor Rabin South.

A spokesman says the institute's work will focus on the development of training programmed, workshops, technology transfer and ocean-related research.

With funding from the United Nations Global Environment Facility, the Suva center will join the three others run by the institute in Madras -India, Bogota - Colombia and Dakar - Senegal.

CIESIN: CONSORTIUM FOR INTERNATIONAL EARTH SCIENCE INFORMATION NETWORK

CIESIN is a private, non-profit corporation whose mission is to facilitate access to, use, and understanding of global change data and information. The US Congress created CIESIN with a grant in 1989 to address two urgent national concerns: global change and the need to promote more efficient access to the results of governmentally funded science. CIESIN confers with researchers and policy makers to observe and learn about the problems associated with generating and using global change research results. It then uses these results to develop the support required to assist researchers and policy makers. Among the things that have already been learned are: global change research poses unique problems in terms of data access, integration, and analysis requirements; there is a need for issue-oriented global data sets that facilitate identifying appropriate regional and local study areas; improved methods are needed of relating what is learned through studies at the local and regional scales to the global level; and, communicating research results to policy makers and the public is improved if results are presented in simple, but relevant ways.

CIESIN currently provides online access to global change context data sets and data sets relevant to the human dimensions of global change ; access to special software for data

(continued on page 9)

(CIESIN continued)

manipulation and integration; training in the analysis and integration of data unique to global change research, including remote sensing data; information about recent developments on important global change issues; announcements of meetings on global change; networking capabilities with other scientists working on the same issues; and, exposure to the questions that policy makers are asking about important global change issues.

CIESIN's Information Gateway provides access to the data and information directories of an international collection of data archives through a unique software package that lists directory entries in a standard, easy to interpret format. To access the Information Gateway through the Internet, telnet to: gopher.ciesin.org. The first screen of the Information Gateway will then appear and provide you with instructions on how to continue.

For more information on these and other CIESIN products and services, contact CIESIN's Customer Service Department via email to: ciesin.info@ciesin.org. Tel: 517/797-2727. Fax: 517/797-2622. Address: 2250 Pierce Road, University Center, MI 48710.

PIMRIS: PACIFIC ISLANDS MARINE RESOURCES INFORMATION SYSTEM

Most of the IAMSLIC members know about PIMRIS, however for the benefit of the new comers I wish to provide a brief outline. PIMRIS is a Marine information net work responsible for the collection, organisation and dissemination of information specific to Pacific Island States. It is a cooperative project between South Pacific Forum Fisheries Agency (FFA), South Pacific Commission (SPC), South Pacific Applied Geosciences Commission (SOPAC), and The University of the South Pacific (USP). The PIMRIS Coordination Unit is based at USP. PIMRIS acknowledges the financial support from the Government of France to the SPC component and that from the International Centre for Ocean Development (ICOD) Canada to USP, FFA, and SOPAC.

PIMRIS helps research workers, fisheries officers, academics, students, general users in their information need relating to living as well as non-living marine resources. The services include: reference service; library consultancies; training in information management; literature searches; inter-library loans; document delivery; current awareness service; and publishing.

Links With Outside the Region PIMRIS also maintains its links with IAMSLIC members and others in Australia eg CSIRO and New Zealand; South East Asia eg ICLARM and SEAFDEC; US; Canada; UK and others as need arises.

PIMRIS DATABASE

A bibliographic database, describing Pacific related documents including a large number of unpublished items, have been developed by PIMRIS at USP. It is on CDS/ISIS and has 10,732 items listed. It is now only being distributed within the Island states, however, a availability at a larger scale is being considered for the long term.

Records have been contributed to this database from the cooperating regional institutions and 9 countries (American Samoa, Fiji, Kiribati, Niue, Papuan New Guinea, Tonga, Tuvalu, Vanuatu, and Western Samoa). Work is going on 5 more countries which will soon be able to contribute records too. A more detailed account on the database can be found in my paper in the Proceedings of the IAMSLIC conference of 1992.

PIMRIS OUTREACH

This involved in-country assistance to marine/fisheries departments in information management. All together 14 Pacific Island countries have been assisted so far. Most of the work in this area was done by the PIMRIS Information Officer, Ms Robyn McDowell, whom many of you would know. She has now finished her term with PIMRIS and has taken a librarian's position in the United Arab Emirates. PIMRIS acknowledges her contribution and wishes her good luck. An account of her experiences in the Outreach project can be found in the Proceedings from IAMSLIC Conference of 1991.

PIMRIS PRODUCTS

USP

USP Newsletter; Information packages on specific topics; recent acquisitions lists; subject bibliographies.

FFA

FFA News Digest; FFA Serials List

SOPAC

Selected bibliographies; current awareness; Serials list

SPC

SPC Fisheries Newsletter; Information Bulletins on Ciguatera, Trochus, Beche-de-mer, Pearl Oysters, etc; Serials List.

RECENT PUBLICATIONS at PIMRIS USP

"Manual for Fisheries Libraries in the South Pacific" (cost: Developing Countries-FJD5.00 and Developed countries - FJD10.00)

(continued on page 10)

(PIMRIS continued)

"Fiji Fisheries Bibliography" (cost: Developing Countries USD7.00 and Developed Countries USD10.00)

"Marine Resources and Development" (text book on the topic covering the Pacific region) (cost: Developing countries USD8.00 and Developed countries USD15.00)

Orders to:
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USP Library, P O Box 1168
Suva, Fiji.
Fax: (679) 300830
EMAIL: rao_g@usp.ac.fj

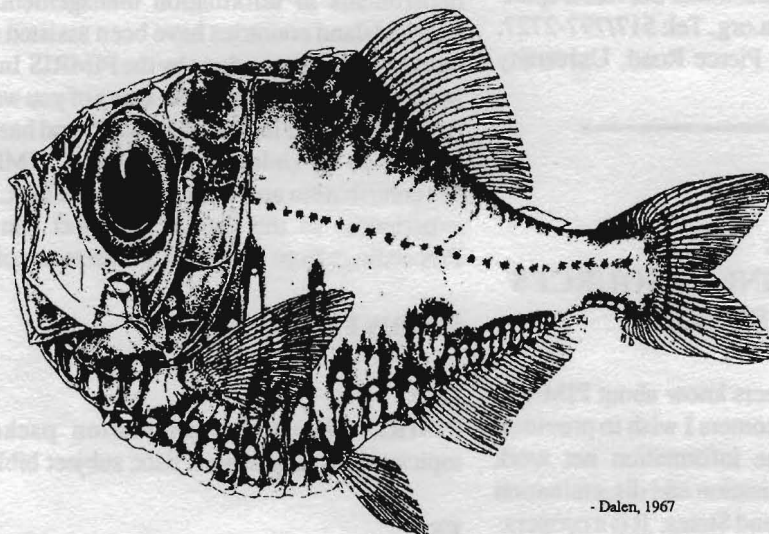
- Ganeshan Rao, PIMRIS Coordinator

MEETINGS & CONFERENCES

SEA COW CONFERENCE

Roger L. Reep and Peter M. McGuire (College of Veterinary Medicine, University of Florida) are organizing the First International Manatee Research Conference, to be held at the Hilton Hotel in Gainesville March 11-13, 1994. The gathering will promote the exchange of ideas and scientific data about manatee biology, behavior and evolution among established investigators, students and interested lay people. For more information, contact Reep or McGuire at:

(904) 392-4700



- Dalen, 1967

PACIFIC SALMON AND THEIR ECOSYSTEMS; STATUS AND FUTURE OPTIONS

10-12 January 1994
Seattle, Washington

Presentations by invited speakers and poster sessions open to all. For further information and registration packet contact:

Deanna J. Stouder, Fisheries Research Institute
WH-10, University of Washington, Seattle, Wa. 98195
Tel (206)685-2724
Fax (206)685-7471
Internet stouder@u.washington.edu

AUSTRALIAN NATURE CONSERVATION AGENCY

Recently the Australian Nature Conservation Agency changed their email address from anpsw.erin.gov.au to anca.erin.gov.au.

NETWORK & COMPUTER NEWS

LC MARVEL: MACHINE-ASSISTED REALIZATION OF THE VIRTUAL ELECTRONIC LIBRARY

The Library of Congress (LC) Machine-Assisted Realization of the Virtual Electronic Library (MARVEL) can be thought of as a global information system combining the vast collection of information available at and about LC with the many electronic resources accessible through the Internet. It aims to serve the staff of LC, the U.S. Congress, and constituents throughout the world. It is available on the Internet and is built using the Gopher software from the University of Minnesota. During the preliminary stages of development, the posting of information on LC MARVEL will be coordinated by the "LC MARVEL Design Team" in cooperation with service units and divisions throughout the Library. The Information Technology Services (ITS) service unit has sponsored this effort in conjunction with recommendations coming from the staff organization — The Internet Users Group (IUG). Once the initial design of LC MARVEL is complete, the responsibility for overseeing the system will transition from the "Design Team" to a more permanent "LC MARVEL Advisory Team." Paralleling that transition will be an effort to transfer of responsibility for publishing and maintaining specific menu items on the system to "information owners" throughout the Library.

Since the information offered by the system will be viewed by both staff members and users outside of the Library from workstations with varying ranges of characteristics and capabilities, the format of documents on LC MARVEL will, for the most part, adhere to the "lowest common denominator" — plain ASCII text. In some cases files will be listed that are not in ASCII format (i.e., graphic images from the Library's exhibits) which can be saved, but not viewed through LC MARVEL. It may be possible in the near future to view images and more richly formatted textual works. If you would like to consider publishing information on LC MARVEL or would like to make comments on any aspect of the system, please contact the LC MARVEL Design Team at the Internet address:

lcmarvel@seq1.loc.gov

Since LC MARVEL is still in an experimental state, please help us by reporting any operational or technical problems to the same Internet address.

AVAILABILITY AND HOW TO CONNECT

LC MARVEL will be available to the public on July 9. To access it via the Internet, telnet to "marvel.loc.gov" and login as "marvel". This will connect you to the generic telnet gopher client. Initially, only 10 ports for direct telnet connections will be available to outside users. However, it is also possible to connect to LC MARVEL using gopher client software, or from other gopher servers by pointing to MARVEL.LOC.GOV, Port 70 (the 10 user limit does not apply to this access method).

"Thanks to Eleanor and Peter for the update on the Library of Congress MARVEL system, which really does have some great information resources in it. However, since they limit the number of ports through which you can directly connect to the system, you should also be aware that it is accessible through Gopher systems, including InfoSlug. To connect this way, telnet to infoslug.ucsc.edu and login as "infoslug". In the menus, look under The Library/Other Libraries and you will find LC MARVEL, along with a variety of access points to other libraries."

-Steve Watkins, UC Santa Cruz Science Library

NCDC ONLINE ACCESS AND SURFACE INFORMATION SYSTEM

The US National Climatic Data Center (NCDC) in Asheville, NC has online line data and metadata available by FTP Internet access. Data are placed online as soon as possible after receipt or processing. These data are available without charge via FTP for immediate downloading (up to 50MB) or users can order data for off-line delivery (standard NCDC charges). Most datasets are available from NCDC in either enhanced BUFR or ASCII format. Data format translators are also available. In addition to data, station histories, data dictionaries, field experiment information, and data inventories are included.

The data available on-line, the period of record and processing time required are:

| <u>Data</u> <u>Before</u> | <u>Period of Record</u> | <u>Process Time</u> <u>Online</u> |
|-------------------------------------------------|-------------------------|--------------------------------------|
| Availability | | |
| Wind Profiler | | |
| Winds-60 | 31 days | 1 1/2 - 2 hours |
| Surface-60 | 31 days | 1 1/2 - 2 hours |
| Moments-60 | 7 days | 1 1/2 - 2 hours |
| Moments-6 | 7 days | 1 1/2 - 2 hours |
| NWS surface hourly | 1 year | 1 month |
| NWS rawinsonde | 1 year | 1-2 months |
| NWS precipitation | | |
| hourly | 1 year | 7-8 months |
| 15 minute | 1 year | 7-8 months |
| N American rawinsonde | from 1/1/92 | 24 hours |
| Cooperative Summary of the Day (TD 3200) | | |
| state files | 1992 | as required |
| Kansas | full | as required |
| General Circulation Model | | |
| carbon dioxide | 100 years | as required |
| Field Experiment | | |
| CaPE | 07-08/1992 | as required |
| STORM-FEST | 02-03/1992 | as required |

Access to the system is via Internet using telnet. Telnet to the address 192.67.134.72 or hurricane.ncdc.noaa.gov. The Login is: **storm**; the Password is: **research**.

To access the read library and the file dump program to decode the enhanced BUFR data on OASIS, FTP to the address: **192.67.134.72**. or **hurricane.ncdc.noaa.gov**. The Login is: **anonymous**; the Password is: **guest**. Change directory to get to the code; type "cd pub/E-BUFR/ebdump". Type "dir" to display the contents of the directory. Four files are listed: ebdump.tar, README, ebdump.vms, and README.vax. The README file contains instructions on the use of the read library and the ebdump program. The ebdump.tar and ebdump.vax files contain an archive of the source code. Follow FTP procedure to retrieve these files.

NCDC's Research Customer Service Group is the point of contact:

Tom Ross, 704-271-4994 or Neal Lott, 704-271-4995
tross@ncdc.noaa.gov nlott@ncdc.noaa.gov

CLEARINGHOUSE FOR SUBJECT-ORIENTED INTERNET RESOURCE GUIDES

The University of Michigan's University Library and School of Information and Library Studies are sponsoring a new Clearinghouse for Subject-Oriented Internet Resource Guides. The goals of the Clearinghouse are to serve as a common location for the many subject-oriented guides now produced by citizens of the Internet, and to increase use of these guides by providing multiple means of Internet access to them. Current access tools are anonymous FTP and Gopher (see below for further information).

CURRENTLY AVAILABLE GUIDES include such Internet classics as Not Just Cows (W. Drew) and The Electric Mystic's Guide to the Internet (M.Strangelove), as well as guides produced by information and library studies students at the University of Michigan. We will attempt to make available all subject-oriented Internet resource guides currently published via the Internet. The guides have been WAIS-indexed (viaGopher) for searching.

GUIDE CREATORS: If you are creating a guide to the Internet's resources in a particular subject, please consider making it available via the Clearinghouse. Information about how to do this is available from the Clearinghouse (via FTP and Gopher).

NET TRAINERS may find these guides useful in tailoring Internet workshops to the interests of specific audiences.

SYSTEMS BUILDERS and LIBRARIANS may find these guides serve as useful "blueprints" for designing subject-oriented Internet systems (e.g.branches in Gopher servers).

INTERNET USERS may find these guides useful for narrowing down the number of resources to investigate; some guides also provide quality assessments of the resources that the Internet offers.

ACCESSING THE CLEARINGHOUSE:

anonymous FTP:

host: una.hh.lib.umich.edu
path: /inetdirs

Gopher:

via U. Minnesota list of gophers
menu: North America/USA/Michigan

Gopher .link file:

Name=Clearinghouse of Subject-Oriented Internet Resource Guides (UMich)
Type=1
Port=70
Path=1/inetdirs
Host=una.hh.lib.umich.edu

Questions and comments are welcome; please contact:

Louis Rosenfeld (lou@umich.edu)

Contributions of aquatic science guides are welcomed by the clearinghouse.

A BIOLOGIST'S GUIDE TO INTERNET RESOURCES

The Biologist's Guide to Internet Resources is a comprehensive guide to software and data archives, electronic mailing lists and "newsgroups", and other services and sources of information and networking of interest to biologists, plus other documents published electronically on the Internet and elsewhere that can help scientists navigate the Internet and enhance their own research.

The most current version of this 20-page guide can always be found in various places on the Internet. Below are a few of them.

- In Usenet, look in sci.bio, sci.answers, or news.answers.
- Gopher to sunsite.unc.edu, and choose this sequence of menu items:

Sunsite Archives

Browse All Sunsite Archives

academic

biology

ecology+evolution

Or, from one of the gophers offering other biology gophers by topic, look for the menu item "Ecology and Evolution at UNC and Yale". There you will find "A Biologist's Guide to Internet Resources" stored two ways: as a single file, and nicely broken up into sections.

- Use FTP to rtfm.mit.edu. Use the username "anonymous" and your e-mail address as the password. Use the "cd" command to go to the pub/usenet/news.answers/biology/ directory and use "get guide" to copy the file to your computer. The file is actually stored as "guide.Z", which is a compressed binary file, but if you specify "guide" it will be uncompressed and translated to readable ASCII before it is transferred to your computer. You can also use anonymous FTP to sunsite.unc.edu, where this guide is stored as pub/academic/biology/ecology+evolution/FAQ.

- If all else fails, send e-mail to "mail-server@rtfm.mit.edu" with the message "send usenet/news.answers/biology/guide". Because the guide is nearly 2000 lines long, you will probably receive it in several parts: save each part to a file, delete the e-mail headers, and merge the files.

NABS

The North American Benthological Society (NABS) "Current and Selected Bibliographies on Benthic Biology" is now available in searchable form over the Internet via the University of Notre Dame Gopher server. The NABS Bibliographic Database is locatable using the following link:

Name=NABS database

Path=1/Notre Dame Academic and Research Data/Aquatic Biology

Host=gopher.nd.edu

Port=70

Type=1

At this time about 27,000 references have been used to form two searchable databases. The first of these, containing 5,264 references, was the source of a 1983 hardcopy publication. It is formed into a searchable database named "nb59to81". The database named "nb85to91" contains 22,000 references that have appeared in annual bibliography issues from 1985 through 1991.

For more information on the NABS BIBLIOGRAPHIC DATABASE project, contact: Ronald A. Hellenthal, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556-0369, email: ronald.a.hellenthal.1@nd.edu.

GLOBAL RELIEF DATA CD-ROM

The Global Relief Data (GRD) CD-ROM consolidates several databases onto one CD-ROM disc. The data are recorded on disc in original format and in easily accessible forms; included are several sample images derived from the data. GRD CD-ROM offers several digital gridded databases of global topography and bathymetry at various scales, digitized continental coastlines, gridded oceanic gravity anomalies, ocean-floor gazetteers, and digital topographic relief images in several formats. Software for DOS, Macintosh and UNIX workstations is provided to access the major topographic and geographic databases. Several shareware programs for Macintosh and DOS are provided to display images on disc. In addition, Mac users can access special topographic imaging software to generate full-color relief images.

The GRD CD-ROM databases include:

- International Hydrographic Organization (GEBCO) and US Bureau of Geographic Names gazetteers for ocean-floor features;
- Twenty Earth images in GIF, HDF, and TIFF formats corresponding to NGDC's Relief Globe Slide set;
- University of Texas digitization of crustal plate boundaries;
- Magnetic Lineations of the World's Ocean Basins;
- Fracture Zones and other features;
- Earthquake epicenters 1980-1990, $M > 4.5$;
- RGB separations for Mercator-projection color shaded relief image of the world;
- World Data Bank II coastlines, rivers & lakes, boundaries;
- World Vector Shoreline data
- Free-air gravity anomalies from SEASAT altimetry;
- Gridded free-air gravity anomalies from Gravity Atlas of the Southern Ocean;
- Gridded free-air gravity anomalies from GeoSat;
- ETOPO5 5-minute gridded elevations/bathymetry for the world;
- RAND and Scripps topographic databases;
- US Navy Fleet Numerical Oceanography Center 10-minute gridded modal height data for land masses;
- 30-second gridded elevations and coastal water depths for the 48 contiguous United States;
- Gridded bathymetric data (15 second lat-lon and 250-m UTM) from US EEZ surveys;
- Macintosh QuickTime animations of rotating color relief globe in 8- and 24-bit color.

Available as product number 1093A27001 for US\$100.00 from the National Geophysical Data Center, United States Department of Commerce, 325 Broadway, E/GC4 Code 917, Boulder, Colorado 80303-3328. Telephone inquiries to Robin Warnken at 303/497-6338, Fax 303/497-6513. Internet: rrw@mail.ngdc.noaa.gov.

ANTARCTIC ENVIRONMENTAL DOCUMENTS ONLINE

NSF's antarctic environmental documents — more than 100 — are online for free search and retrieval on STIS, the National Science Foundation's Science and Technology Information System. Investigators planning antarctic projects may find this information useful. Most of the documents deal with overall U.S. Antarctic Program issues such as waste management at stations and the installation of large fuel tanks, but some are specific to individual research projects, discussing such topics as use of vehicles, putting inorganic tracers in a lake, or handling food storage or human waste at camps.

To get on STIS from Internet, type 'telnet stis.nsf.gov' and at the login prompt type 'public.' From a modem choose 1200, 2400, or 9600 baud, 7-E-1, and dial 202-357-0359 or 202-357-0360. Or you can email a message to stisserv@nsf.gov (Internet) or stisserv@NSF (Bitnet), skip the subject line, and write text 'get index' to receive a list of documents on STIS and instructions for retrieving them.

Once in STIS, arrow to "Filters," tab to "Type," and enter 'Antarctic EAM' to display the list of documents. Then you can download document opp93000 for the list or do full text searches using single words or Boolean logic. Graphics are not in the STIS Antarctic EAM files. Paper copies of documents, including graphics, may be obtained from: Environmental Officer, Office of Polar Programs, National Science Foundation, Washington, D.C. 20550.

PUBLICATIONS & REVIEWS

SHARKS AND RAYS OF AUSTRALIA

MARINE MAMMALS ASHORE

Marine Mammals Ashore: A Field Guide for Strandings. J.R. Geraci & V.J. Lounsbury. Texas A&M University Sea Grant College Program. TAMU-SG-93-601. 1993. \$25 (\$30 for foreign orders).

Available from:

Sea Grant College Program
Texas A&M University
P.O. Box 1675
Galveston, TX 77553-1675

Sharks and Rays of Australia. Peter Last & John Stevens (CSIRO Division of Fisheries). CSIRO Publications, East Melbourne, Victoria, Australia. US \$95.00 (includes Postage and Handling).

"This guide to the sharks and rays of Australia is an invaluable source of information for anyone - from biologists, taxonomists, general interest readers to the recreational and professional fishermen, and fish biologists - who wants to know more about this ancient, unique and important groups of fishes. Sharks and Rays of Australia is the most comprehensive work on Australian sharks, rays and chimeras ever published, and quite possibly the most comprehensive text ever published on this group of fishes.

It provides the only major update of Australian chondrichthyans in over 50 years. It includes 97 species not identifiable from the current literature, many of which may be new to science. The earliest known chondrichthyans (sharks, rays and chimeras) evolved more than 400 million years ago. Today there are more 950 species in the seas and freshwater systems of the world. Of these, 296 species are known to live in Australian waters and almost all of the world's cartilaginous fish families are represented. Australia's coastal waters are home to most of the genera found in the Indian and Pacific Oceans, i.e., the oceans surrounding Africa, most of South-East Asia, including Japan, India, Indonesia and the Philippines, and the western coastline of the Americas.

The book includes more than three-quarters of the shark species found off New Zealand. Most of the large sharks found in other parts of the world, including off Europe are also found here."

Available from:

CSIRO Publications
PO Box 89, East Melbourne
Victoria, 3002, Australia

FAX: (+613) 419 0459
Phone : (+613) 418 7392
Internet: bookshop@isb.csiro.au

For further information contact: Kevin Jeans <kevin.jeans@isb.csiro.au>

THE BELUKHA WHALE

The Belukha Whale: Natural Behavior and Bioacoustics [Belukha. [Povedenie i bioakustika v prirode] by Bel'kovitch, V.M. and M.N. Sh'ekotov] Translated by Marina A. Svanidze. Edited by J. Christopher Haney and Cheri Recchia. 176p. 1993. ISBN 1-880224-07-0. Original Russian edition published in 1990. Cost is \$20.00 US plus \$2.00 US postage per copy.

...contains new original data concerning the behavior and bioacoustics of the belukha whale in natural environments, as well as data analysis of acoustic signals of the whales and methodological problems of ethological-acoustic research. Available from:

Office of the Research Librarian
Woods Hole Oceanographic Institution
ATTN: Alora Paul, Clark 131C
Woods Hole, MA 02543-1098 USA
Telephone: (508) 457-2000, ext. 2865
Omnet: WHOILIBRARY
Internet: apaul@whoi.edu

NEW UCB VERTEBRATE TYPE SPECIMEN CATALOG

The new vertebrate type specimen catalog lists all U.C. Berkeley Museum of Paleontology's vertebrate types. The catalog has been indexed with WAIS and will allow boolean and partial searches. The catalog is current. The Museum has built in many error checking mechanisms into its collections management system so the catalog should be very accurate.

The catalog contains taxonomic information (including class, order, family, genus and species information as well as identifier and year id'd), locality information (including state, county, country and time the specimen was found), and citation information (including citations and remarks).

The catalog is available from the U.C. Museum of Paleontology Gopher, located at ucml1.berkeley.edu.

For more information contact Robert Guralnick, Systems Administrator, Museum of Paleontology, University of California, Berkeley, CA 94720. Internet: robg@fossil.berkeley.edu. Tel(510) 642-9696.

GLOBAL NETWORKS

GLOBAL NETWORKS: Computers and International Communication. Edited by Linda M. Harasim. MIT Press; Cambridge, Massachusetts and London, England. 1993. 340 pp. US \$29.95. ISBN 0-262-08222-5.

"Those of you interested in issues and applications of global networks may find the recent book, GLOBAL NETWORKS, of value. The 21 chapters written by leaders in networking from around the world, examine global networks from a range of perspectives: design, policy, cross-cultural communication, and future directions and focus on applications of global networks in education, work, and social communication." - Linda Harasim.

AQUACULTURE SOURCEBOOK

Former IAMSILIC President Kay Hale is the co-author of a new book entitled:

Aquaculture Sourcebook: A Guide to North American Species. Edwin S. Iversen and Kay K. Hale. N.Y.: Van Nostrand Reinhold. 1992. US \$49.95. ISBN 0-442-00992-5.

FRESHWATER ECOLOGY BIBLIOGRAPHY

Of note on the IAMSILIC Listserv in August was a forwarding by of a LC Science Tracer Bullet entitled "Freshwater Ecology" compiled by Diana Niskern, Science and Technology Division at the Library of Congress, 10 First Street, S.E., Washington, D.C. 20540-5581. It provides a well done literature guide to freshwater ecosystems including lakes, ponds, streams, rivers, and certain types of wetlands.

USGS CD-ROMS

FN Zihlman and MP Pantea recently published "USGS explores CD-ROM technology" in *GEOTIMES* 38(7):17-19, July 1993. The article discusses the US Geological Survey's efforts in producing several non-bibliographic CD-ROMs in the USGS Open-File Report series and the Digital Data Series.

CD-ROM DRIVES, INKJET PRINTERS, AND MODEMS

Bruce Connolly wrote a sequel to earlier articles "Review roundup: catching up on CD-ROM drive, ink jet printer, and high-speed modem developments" in *ONLINE* 17(4):36-40, July 1993. Connolly's earlier articles were mentioned in the IAMSILIC Newsletter. His review roundups are worth reading because they distill a wide range of review literature and point out the products on the market receiving the highest review.

PAPYRUS BIBLIOGRAPHIC DATABASE SOFTWARE

Sue Stigleman wrote "Papyrus: good bibliographic value at a reasonable price" in *DATABASE* 16(3):82-87, June 1993. Papyrus bibliographic database software costs much less than other similar software and has a well-rounded set of features including flexible importing of references from other databases.

PALEOMAGNETISM DATABASES

Charles Barton wrote "IAGA data bases for paleomagnetism and rock magnetism" in *EOS, TRANSACTIONS, AMERICAN GEOPHYSICAL UNION* 74 (25): 273, 278, June 22, 1993. 10 database systems are described and contact information given.

William Harbet wrote "On-line searching of World Paleomagnetic Database available" in *EOS* 74(9):100-101, March 2, 1993. Harbet discusses how to telnet to the

World Paleomagnetic Database at 130.49.3.1 and login as the user "Search" in order to access the Database. After searching the Database, FTP can be used to retrieve data.

GRANTS AND GRANT WRITING SOURCES

Helen Gothberg and others wrote "New sources on grants and grant writing" in *REFERENCE SERVICES REVIEW* 21(2):17-42, Summer 1993. This article provides an overview of recent resources available since 1987 and updates an earlier 1984 work.

US STATE LISTS OF ENDANGERED SPECIES

Rebecca Gardner et al wrote "State lists of endangered, threatened, or rare species: an exploration of the literature" in *REFERENCE SERVICES REVIEW* 21(2):43-58, Summer 1993. An earlier 1990 bibliography by the authors (mentioned in IAMSILIC Newsletter) covered official state lists of endangered, threatened, or rare species. This article covers unofficial lists compiled by universities, institutes and Natural Heritage Programs.

CURRENT AWARENESS SERVICES COMPARED

Terry Hanson and others wrote "A Comparative review of two diskette-based current awareness services: Current Contents on Diskette and Reference Update" in *DATABASE* 16(3):73-81, June 1993. The authors conclude that both are high quality products but have a strong preference for Current Contents on Diskette because it is more flexible.

(Publications... continued on Page 18)

(PUBLICATIONS & REVIEWS continued)

AGROCHEMICALS & WATER POLLUTION RESOURCES

Stephanie Haas and Mae Clark wrote "Research journals and databases covering the field of agrochemicals and water pollution" in *SCIENCE & TECHNOLOGY LIBRARIES* 13(2):57-63, 1992. This article determines whether two core journal lists from ISI and a previous review article could be verified as being core lists by citation analysis of the literature. The article also examines which databases are useful to researchers working on groundwater contamination from agricultural chemicals.

REGULATIONS FOR DRUGS, BIOLOGICALS AND CHEMICALS IN AQUACULTURE

A guide entitled *FEDERAL REGULATION OF DRUGS, BIOLOGICALS, AND CHEMICALS USED IN AQUACULTURE PRODUCTION* is available. The guide summarizes the roles of various federal agencies in regulating animal drugs, feeds, pesticides, herbicides, vaccines, and related compounds used in aquaculture production. Send a self-addressed label with the request to: Aquaculture Information Center, Room 304, National Agricultural Library, 10301 Baltimore Blvd, Beltsville MD 20705-2351.

NOTICES

WORKSHOP INFORMATION REQUEST

IAMSLIC recently received a request from Karla McBride, a teacher in the Rochester, New York school system for information on marine oriented workshops for school teachers. If anyone knows of such workshops or information sources for these workshops please send a note to Ms. McBride or to the IAMSLIC editor:

Karla McBride
37 Sahara Drive
Rochester, NY 14624

ADDRESS CHANGE

Please note the following member's address correction:

Yoshito Tsuji
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