

## POSTER ABSTRACTS (9/11/02)

### **Digital Services at Maria Elena Caso Muñoz Library, ICML, U.N.A.M.**

**Allende, Pedro and Ramirez, Clara**

The Mazatlan Academic Unit Library was built in 1976 and provided some services in a very limited manner. It wasn't until 1983, when its formal organization began as a "Marine Science Library" and offering library services to internal and external users. Progressively, more documents were incorporated and from 1986, the thematic organization of the collection and its respective catalogue manuals was undertaken, using for that purpose an appropriate infrastructure. On November 6, 1991 the library was named " Maria Elena Caso Muñoz " in honour of a distinguished scientist who worked at the Institute of Marine Science and Limnology on the Mexico City campus. In 1994, the incorporation of the collection into the database was started. Actually there are about 650 titles of journals (more than 17,500 issues), approximately 2,800 books, more than 498 undergraduate and postgraduate theses, as well as more than 10,800 reprints. We are aware of the importance of a library specialized in marine science and limnology, in the last 6 years it has grown constantly, both in terms of space and the collection. Since 1996 the library has been affiliated with the IAMSLIC. From the year 2000, it has access to databases, full text (e-journals) such as ELSEVIER, KLUWER, EBSCO, SWESNET, IDEAL, etc. and abstracts such as the Cambridge Scientific Abstracts, current contents, etc., as well as software and updated technology. A consultation service to internal and external users is provided and offers a photocopying service, as well as advice in consulting the database on line of e-journals of both abstract and full text to which the UNAM is subscribed. Currently, book, theses, magazines, memoirs, and bulletin catalogues are available on our server's web page: <http://ola.icmyl.unam.mx/biblio>

### **The University of Alaska Science Library : a Digital-Millennium Solution to a Traditional Problem**

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A new science library is urgently needed on the Fairbanks campus of the University of Alaska. Three components of a traditional problem the new library will solve are (1) insufficient space for current services and available materials, and the non-existence of space for expanded services and new materials as demanded by continuing growth in research and instruction, (2) inadequate and substandard space for students and researchers to access information and convert it into knowledge, and (3) the need to consolidate physical and life sciences materials and services in the same location on campus as most of their users. Additional components of the problem are (4) inadequate network access by way of permanent workstations and network connectivity for users' portable computers, (5) a lack of information literacy instruction space and equipment, and (6) an incapacity for up-front directional, reference and circulation services. A digital-millennium solution to this multifaceted problem will take advantage of the considerable amount of thought and prognostication as to what a science library should be in a new age, when an increasing proportion of library-provided information resources are Web-based and online, and when much of the access to and use of library resources is at some distance from the physical library. Much of this forward thinking is presented in the paper-form and online literature, and its application to the problem is described. As it will take several years to obtain funding and construct, or renovate for, a new science library, there is time to do research and plan for one that will remain properly functional and flexible far into the new millennium. A detailed written prospectus for the University

of Alaska Science Library is introduced, and the need for critical review of it is explained. UASL aims to be a comprehensive, world-class gateway to science information resources in all forms and to the scientific record, specializing in information for high-latitude research and learning. Special emphasis will be on the aquatic and marine sciences and fisheries, as a great deal of research and teaching in these areas is based in the University of Alaska. Constructive feedback on the prospectus from librarians and scientists is solicited. They could address not only the physical and electronic features of UASL, but also collection development, including the provision of remotely accessible information resources for the physical, earth and life sciences in high-latitude countries.

## **Unique Marine Information Resources in the University of Hawaii's Pacific Collection.**

**Jane Barnwell**

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This poster presentation will highlight the rich marine information resources of the University of Hawaii at Manoa's world-renowned Pacific Collection. Included will be photographic images and other primary source materials from the *Trust Territory of the Pacific Islands (TTPI) Archives*, as well as reproductions of passages from rare early voyaging accounts illuminating observations about the marine environment during early contact periods. The wide range of unique material in the collection available to students and researchers will be explored, including both historical and contemporary government documents and an extensive collection of regional "grey literature." The *Hawaii-Pacific Journal Index* will be featured in the poster as a key resource providing keyword access to nearly 150 regional journals and magazines not indexed elsewhere. Information about the *Palau Marine Resources Bibliography*, a web-based project I am directing, will also be available.

## **Digitization of the Masters Theses and PhD. Dissertations of El Centro Interdisciplinario de Ciencias Marinas (CICIMAR)**

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El Centro Interdisciplinario de Ciencias Marinas (CICIMAR) is a marine science research institution of the federal government of Mexico founded in 1976 in La Paz, Baja California Sur, Mexico. CICIMAR supports postgraduate research at both the Masters and the PhD. level, from which the library has amassed a collection of theses and dissertations on a wide range of marine science topics, including marine ecosystems of the Mexican Pacific, conservation of marine resources, biodiversity, sustainable use of natural resources, and coastal zone management. Most of this primary, in-depth research is not available elsewhere and it constitutes an important resource, both for this region of Mexico, and for researchers worldwide. At present, the only access to this collection is on site in La Paz, while there is significant demand for them from numerous researchers throughout Mexico and elsewhere.

The Reuben Lasker Library proposes to digitize its entire collection of 218 theses and dissertations, creating a publicly accessible electronic

archive in Adobe Acrobat PDF format on their Website, and its availability has been announced to IAMSLIC and the international marine science research community, the project should be considered successful.

## **Digital Library System: Bridging the High Cost of Journals in a Developing Country**

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Due to the high cost of research journals, the objective is to acquire and publish in web format, marine science papers from the IAMSLIC and other databases to make these freely accessible, but restricted to the scientific community registered as users from a developing country. With the sponsoring of IAMSLIC, INOCAR pretends to get contributions of journal publications, single researchers, libraries, and research-educational institutions. INOCAR will manage the web site to warrant continuous update of the research works and users database. The users shall accomplish some requirements such as to come from a developing country and work in a research or educational center to take access to the system. The expected results are that the scientific community from developing countries could get the advances of scientific works from high level researchers and contribute to the progress of the marine science of these countries.

## **Digital Museum of Aquatic Organisms of Ecuador**

**Katiusca Briones**

**Juan Jose Nieto**

The main objective is to preserve and disseminate, for actual and future generations the rich aquatic bio-diversity of Ecuadorian sea, using image and information storage technology. The methodology consists of the identification, classification and labeled of biological organisms of Ecuador's coast and Galapagos Islands, for this, it will be used organisms preserved at INOCAR and/or contributions from other research centers and independent contributors. These labeled images will be stored in a database which structure will be developed based on the biological classification of the organisms; the data base will be continuously updated according with new contributions to the museum. The images bank was published in a web page, where the user may consult the database in function of different criteria. As result, the digital museum will provide to the scientific community and other specialists, with a reference guide, as well as to contribute to preserve a rich aquatic heritage.

## **Oceanographic Data Archeology: Contribution to the Preserve of the Ecuadorian Oceanographic Research**

**Katiusca Briones**

**Juan Jose Nieto**

The project "Oceanographic Data Archeology" developed by INOCAR has gotten as main objective to recover and to preserve the oceanographic data registered since 30 year of research. The process starts with the searching of data registered in paper, by this way, it was obtained a general inventory classified by research field, dates and study zones, which were registered in digital format for further migration to the data base of the National Oceanographic Data Center of Ecuador. As result, the data is under a secure format that warrant: backups to preserve, organize through the data-base scheme, and recovering facility. The used methodology in the data archeology had contributed to recover and preserve the disseminated, non-used, and under risk data, which did not bring statistics to the Ecuadorian oceanography.

## **Digital Library: Access System for Theses, Articles, and Books Published by CIBNOR students and researchers.**

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A main objective of the CIBNOR library is to expand available resources and existing services through the Internet. By allowing access to the collection of theses by graduates of our postgraduate program, and books and scientific research articles published by researchers, CIBNOR can benefit from the royalties. CIBNOR initially intends to digitize 172 master and doctorate theses, as well as 29 books published by CIBNOR on subjects from aquaculture, biotechnology, marine biology, and ecology of arid areas, among others. The purpose of the project is to make the digital collection, which are the result of years of research at the center, available to students, researchers, national and international organizations and the general public.

## **Information Networks in Africa: A Collaborative (FAO / SAIAB) Project Investigating Mechanisms of Document Exchange and the Preservation of**

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The lack of access to information and documentation has long been recognized as a constraint to research and development in fisheries and aquaculture in Africa. At the same time, most institutions are publishing valuable information in the form of internal reports and working documents i.e. the category of grey literature. There is very little dissemination of this information within the region. The South African Institute of Aquatic Biodiversity (SAIAB) library is a leading African document and book reference collection on all aspects of fish, fisheries and aquaculture. NISC SA compiles the FISHLIT bibliographic database in association with the South African Institute of Biodiversity. The resources of these two organisations can make a significant contribution towards improved access to information for the fisheries and aquaculture community in Africa.

With this in mind FAO Fisheries Department, has initiated a pilot project with SAIAB. The aim of this project is to facilitate mechanisms whereby institutions in the region can exchange information, have access to a broad collection of fisheries and aquaculture journals and ensure that the grey literature published in Africa is disseminated and preserved for future generations. This is being accomplished through the development of mechanisms for the exchange and supply of fisheries and Aquaculture information and documents between selected institutions in Africa. The desired outcomes of this project are to provide an overview of the document exchange options available and to propose mechanisms for the capture, dissemination and preservation of fisheries and aquaculture grey literature published in Africa.

## **E-Publishing Initiatives: Webpage Resource**

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Three years ago, the authors created a webpage linking to "Scholarly Electronic Publishing Initiatives" (SEPI) which has turned into a resource for librarians and patrons alike. The webpage was initially developed to help answer faculty members' questions about electronic journal publishing since many faculty were editors, or on editorial boards of scholarly societies, exploring the potential of electronic publishing. The webpage has developed into a first-stop resource point for looking at the wide variety of issues involved with electronic publishing, whether it be pre-prints, licensing, copyright, reference linking, preservation or much more.

<http://www.lib.ucdavis.edu/healthsci/webpub.html>

The webpage is currently being \*completely\* revised (to be completed in May 2002) with an expansion in all sections and the addition of a new section on digital preservation/archives issues. Many of these projects will be of interest to developing countries as the emphasis is on cost-effective or free access to the scholarly research literature.

## **Data Base Management System at Mazatlan Academic Unit of ICML, U.N.A.M.**

**Ramirez, German and Suarez, Carlos**

Over the last few years, request for information either through electronic media or in that format continued increasing throughout the world. Information and communication technologies work hand-in-hand with science and technology providing essential critical and essential data throughput.

At AU Mazatlan, we attempt to retain an constantly updated information services. One of our first projects was to put place the "Maria Elena Caso Muñoz" regional library's catalog online with a design and programming based on Microsoft tools, permitting browsing and searches for books, magazines, thesis, proceedings, summaries, and scientific reports generated by our academic staff. This information system has been working for one year now, with great success: response time for most of the bibliographic information requests is very short even there is remote access by outside users.

Because of the ever-increasing requests for information access, a separate DBMS capable of managing all databases used by the academic community and placement of these online has been developed. The DBMS project began tests in 1999 and now hosts several systems that have been built since then. The major thrust is the on-line version of the "Maria Elena Caso Muñoz" regional library's collections and a data base module of for the Worldwide Biodiversity Information Net. Part of DBMS project can be consulted through our web page at <http://ola.icmyl.unam.mx/>.

New projects include growth to our online searches, new databases design to cover the scientific information necessities of our academic community as well as integration of new technologies to further accelerate and streamline the ever increasing electronic searches requested by our users.

## **Design of Websites using the Principles of Universal Design**

**Glenda Roark**, Disability Specialist

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Includes relevant information regarding access to information for persons with disabilities and public in general.

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Library MTRO. HECTOR ARAIZA QUINTERO of the UNNERSITY AUTON OMS DE SINALOA, beginning in the city and port of Mazatlan, Sinaloa, in 1973 in an improvised place of the School of Sciences of Sea, whose material went away increased by the donation or purchase that some teachers were incorporandoa the library. In promotion is same year the services librarians to teachers, students and investigator of the school. It was until 1984 when I organize of thematic way the bibliographic heap with its respective catalogues. In May of 1996 the humidity problems affection great part of the material. The 17 of November of the 2000 being the year of the University Values, in a solemn act the name to the library in honor occurred him to the teacher HECTOR ARAIZA QUINTERO, who enter the School like educational in the year of its foundation (1970). The library has a heap of 980 books, 28 titles of periodicals publications, 307 memories of the social service and 176 theses ( degrees) and 9 of mastery provide advisory services to internal and external users with a schedule of 8:00 to 19:30 Hrs. of Monday through Friday in hails days, admass service of fotocopiados. At the moment this to conclude the construction of the new building whose objective is to organize the material, admass goes away to install the data base of the SIABUC century XXI to automate the catalogs and to provide a good service.

## **Information Resource Sharing Island Style**

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As an island nation's only academic library, the Learning Resources Center at the College Micronesia in the Federated States of Micronesia provides for the information needs of the students, faculty, and researchers associated with various programs hosted by the college and located on several campuses scattered on islands across thousands of miles of Western Pacific ocean waters. While its primary mission is to provide for the information needs of college, the LRC is working to extend access to information generated in the FSM and about the FSM to a wider community.

To these goals, the LRC has capitalized on information technology resources by migrating to a web based on line catalog of holdings and implementing document delivery and resource sharing network. Secondly, the LRC staff is engaged in collaborative projects with government agencies and NGO's to inventory and create a "FSM Biodiversity Bibliography". A third undertaking is creation of the FSM Digital Library at <http://comfsm.fm/library/digitallibrary/> which will include content about marine species in the FSM, research activities, and copies of reports and publications. These and other related projects are allowing the LRC to network with other information centers to meet patron needs and likewise extend worldwide access to the unique information resources held in our local collections.

## **Classic Books of Oceanography and Marine Biology: an Annotated Bibliography**

**Janet Webster and Joan Parker**

Have you ever needed to evaluate a section of your collection? Do you know which books are of critical importance for marine and ocean science? When faced with a new researcher, can you find the key resources easily? We are beginning to compile a bibliography of the classic books in marine and aquatic sciences while keeping an eye on current trends. Our intention is to cooperatively create a tool that we can use to build, evaluate and weed our collections. At this conference, we will present our project plan and sample topics that will become a part of the larger project.