



Science and Technology Libraries Section Newsletter

July 2008

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Greetings from the Chair,

Next month we shall be at our 2008 IFLA Annual Conference in Quebec City, Canada. I do hope that many of you will be able to attend the conference. Our Science and Technology Section prepared two excellent programs. The first is a satellite meeting that will take place on Friday, August 8, 9:30-4:30, in Montreal,



Canada on the theme "*National Science Policies and Science Portals: progress and activity from around the world*". Our Science and Technology Section program will take place on Tuesday, August 12, 10:45-12:45 on the theme "*Science across libraries: provision of science and technology information resources and services in diverse settings*"

Excellent speakers will present thought provoking papers and I hope to see you at these programs.

Both of these programs fit nicely with the IFLA theme for our conference "*Libraries without borders: Navigating towards global understanding*" and with our Science and Technology Section themes mentioned above.

I look forward to seeing you in Canada.

Jill Mayer

Science and Technology Libraries Standing Committee Meetings at IFLA Conference

Saturday 09 August 2008 14.30-17.20

Friday 15 August 2008 08.30-10.50

STL Section Open Session at Quebec City

This year the Section has developed a two hour program on the theme "Science across libraries: Provision of science and technology information resources and services in diverse settings" at IFLA Conference on

Tuesday 12 August 2008, 10:45-12:45, (Simultaneous translation)

Speakers and Abstracts of Presentations



WorldWideScience.org – the Global Science Gateway: *Bringing the World's Science to all Corners of the Globe by*

Dr. Walter L. Warnick

Director, U.S. Department of Energy Office of Scientific and Technical Information (Operating Agent for WorldWideScience.org)
Washington, D.C., United States

Abstract

WorldWideScience.org, a global science gateway, explores new trends in global scientific communication, including how technology opens borders by providing access both to sources and to users located in diverse geographic settings. International collaboration is a key component in WorldWideScience.org's success in providing scientific information to a global population. WorldWideScience.org was designed to accelerate scientific discovery and progress by accelerating the sharing of scientific knowledge. Through a multilateral partnership, WorldWideScience.org enables anyone with internet access to launch a single-query search of over 30 national scientific databases and portals in many countries. From a user's perspective, WorldWideScience.org makes the databases act as if they were a unified whole. The revolutionary technology behind WorldWideScience.org will be discussed.

The Biodiversity Heritage Library: Sharing Biodiversity Literature with the World by



Dr. Nancy E. Gwinn

Director, Smithsonian Institution Libraries
Constance Rinaldo, Librarian, Ernst Mayr Library and Archives, Museum of Comparative Zoology, Harvard University, United States

Abstract

Ten major natural history museum libraries, botanical libraries, and research institutions in the United Kingdom and the United States joined in 2005 to develop a strategy and operational plan to digitize the published literature of biodiversity held in their

respective collections and to make that literature available for open access and responsible use as a part of a global “biodiversity commons.” Headquartered at the Smithsonian Institution Libraries, the Biodiversity Heritage Library (BHL) has been embraced as one of the four cornerstones of the Encyclopedia of Life, an unprecedented global effort to document all 1.8 million named species of animals, plants, and other forms of life on earth. Major funding for the project has come from the John D. and Catherine T. MacArthur Foundation, the Alfred P. Sloan Foundation, the Gordon and Betty Moore Foundation and the Richard Lounsbury Foundation. This paper will provide an over view of the BHL and its potential impact on biodiversity research, describe the BHL portal and its innovative search services, and provide a case study of the process from one of the members: the Museum of Comparative Zoology at Harvard University.

An innovative ICT solution to steer rural communities to global understanding: a case study from Durban, South Africa by



Elizabeth Greyling Senior Systems Librarian, eThekweni Municipal Library, Durban, and
Ronel Smith, Project Leader, Digital Doorway, Meraka Institute, CSIR, Pretoria, South Africa (in Picture)

Abstract

Rural areas surrounding Durban in kwaZulu-Natal, South Africa are characterized by fragmented municipal service delivery. Communities living here typically suffer from high levels of poverty and low levels of economic opportunities. This paper presents a case study in the harnessing of innovative ICT in order to enable these communities to become part of the global information society. It outlines the proactive role of public libraries in collaborative initiatives in developing digital competencies and providing online information. Self-contained robust multi-terminal computer units are deployed at central points in rural areas with free unlimited access to all members of the community. Content on the aptly named Digital Doorway kiosks includes the Open Office suite, educational games and programs and a snapshot of the Wikipedia. Health and education curriculum material are updated through a satellite receiver. Small community libraries housed in refurbished shipping containers complement the Digital Doorway units. Together the digital library and the container library provide compact one-stop information shops to remote rural communities.

Beyond the Bibliographic: making the most of free scientific and technical information by



Don MacMillan
University of Calgary Library
Calgary, Canada

Abstract

This paper will place bioinformatics and patents databases within the context of library reference and instruction. Specifically, the OMIM (Online Mendelian Inheritance in Man) and BLAST (Basic Local Alignment Search Tool) resources and access to patent information will

be highlighted. Critical aspects of each resource and the joys and pitfalls of learning and using them will be outlined. Through case studies, the presenter will illustrate how to teach the use of these resources to students effectively, with techniques that can be adapted for use in workshops with researchers, library staff, or academic faculty. Participants will be invited to discuss their own experiences with these and similar resources, and to generate ideas for introducing them to their own clients.

Preconference Meeting at Montreal, Canada

The Science and Technology Libraries Section in association with Government Information and Official Publications Section has scheduled to organize a one day meeting on theme "National Science Policies and Science Portals" on **8 August 2008 at Ecole Polytechnique de Montréal, Canada**



Keynote Speaker:
Dr. Howard Alper.
Chair, Canada Science,
Technology Council

Moderator :
Ms Julia Gelfand,
University of California,
Irvine, USA



Speakers and Abstracts of Presentations:

“Information Services for Policymakers: Models and Practices of Scientific and Technological Libraries in China” by



Liu Xiwen
and
Zhang Xiaolin (not pictured)
National Science library
CAS, Beijing, China

Abstract

The science and technology libraries are the important part of the network of Chinese libraries. Most of these libraries are attached to scientific institutes or the industrial sector. One of the missions of these libraries is providing information services for the policymakers of science and technology plans of actions.

In digital era, the Chinese S&T libraries have adjusted their strategies of the resources collection and digital information services. There are several types of information services designed to support policymaking. These include for example information alerts, information analysis of special topics for the projects, information analysis of scientific fields for the strategy management, information analysis of science policy and scientific strategy, managerial issues research of science and technology in the institute or industrial sectors. Libraries of institutions such as the Chinese Academy of Sciences, Chinese Academy of Medical Sciences, Chinese Academy of Agricultural Sciences, and Chinese Institute of Scientific and Technology Information, etc. are engaged in these services designed for the decision maker of science policies and industrial policies and play an important role in the policy-making and related investigations.

“Science.Gov and Worldwidescience.Gov Serving the World’s Scientists with National and International Science Portals” by



Thomas Lahr, United States Geological Survey
Biological Informatics Office and
Co-Chair, Science.gov Alliance

Abstract

In December 2002, an interagency group of 17 United States science organizations within 13 Federal agencies launched Science.gov, providing for the first time wide public access to the U.S. government’s vast stores of scientific and technical information. As a national science portal, Science.gov searches over 50 million pages of science information with just one query. Science.gov’s unique relevance ranking technology helps U.S. and world citizens sort through the government’s reservoirs of research and returns results likely to meet the individual’s needs. Recognizing that other countries have developed a range of approaches to national science portals and databases, in early 2007, the U.S. partnered with the British Library to develop a global science gateway to provide federated searching of the scientific resources of many nations. The resulting system, rldWideScience.org, makes the world’s science readily accessible to citizens everywhere. WorldWideScience.org is now a multilateral partnership and is also sponsored by the International Council for Scientific and Technical Information. It searches databases and national science portals from around the world. Science.gov serves as the U.S. contribution to WorldWideScience.org. Science.gov and WorldWideScience.org share the same federated search technology, which allows the information patron to search multiple data sources with a single query in real time. This presentation will explore the pioneering technology behind Science.gov and WorldWideScience.org, their constituent sources, and the challenges associated with disseminating science information to the global community.

“Gateway to Science and Technology Information for the Korean Researchers” by

Ho Nam Choi,
Korea Institute of Science and Technology Information (KISTI)

Abstract

This study will be surveying all relevant activities and achievements to yesKISTI, a KISTI's portal, which has recently been reshaped on a basis of web 2.0 concept. It is actually a professional information service as well as a science portal focusing on the provision of verified scientific and technological information rather than on web resources. Number and size of in-house databases, overall architecture, and customer-centered information services will be elaborated together with a picture of newly developed global linking center, CLICK.

“Past and Future of Portal Building for Scientific Communities the Inist Experience” by

Herbert Gruttemeier,
INIST-CNRS , France.
International Council for Scientific and Technical Information

Abstract

The development of information portals for French scientific communities has been a major challenge at INIST for several years. A significant part of INIST's human and technological resources were successfully transferred from traditional information services to this new core activity. It has been moving into changing directions, driven by changing user needs and expectations. Current developments focus on simplified interfaces, federated search and integration of web 2.0 tools, as well as increasing customization. The latter is also seen as a solution to unify the competing approaches of aggregation and selection of content, and as a key characteristic of new generation portals.

“Science, Technology and Medicine at the British Library – developing our strategy and vision” by

By Elizabeth Newbold, British Library, UK

Abstract

The British Library is the national library of the United Kingdom and as such collects broadly across all aspects of science, technology and medicine (STM). It has one of the world's foremost collections: current holdings include subscriptions to over 20,000 current STM journals, many thousands of research monographs, a wide range of electronic resources and grey literature as well as non text material such as maps and sound recordings. Content for the STM collection is predominantly obtained via legal deposit (receiving a copy of every publication published in the

UK and Ireland) and through the purchase of non UK material. The collection supports scientific enquiry and research both onsite in the Reading Rooms and remotely via the library's inter-lending and document supply services. In order to continue to ensure that access is provided to a rich variety of resources, the ongoing development of the collections and services need to address a changing external environment. We need to take account of the UK Government's policies for science and external factors that affect the information needs of UK science researchers. The Library is increasingly working in collaboration and partnership with other organizations in order to deliver these changes. This presentation will give an overview of the work that the STM team is undertaking in order to develop an STM strategy for the British Library. It will highlight current projects that the STM team are involved in with a focus on those that are aimed at developing improved access and navigation to scientific content: including WorldWideScience, UK PubMed Central and the Research Information Centre virtual research environment.

International Year of Languages Declared - 2008

The year 2008 has been proclaimed International Year of Languages by the United Nations General Assembly to promote unity in diversity, global understanding. With the slogan "languages matter", UNESCO is aiming at extensive fulfillment in its role as coordinator of activities for this Year. UNESCO therefore invites governments, United Nations organizations, civil society organizations, educational institutions, professional associations and all other stakeholders to increase their own activities to foster respect for, and the promotion and protection of all languages, particularly endangered languages, in all individual and collective contexts. News and reports at:

http://portal.unesco.org/culture/en/ev.php-URL_ID=35344&URL_DO=DO_TOPIC&URL_SECTION=201.html

IATUL Conference 2008

IATUL, the International Association for Technological University Libraries, had its 29th annual conference April 21 - 24, 2008 at AUT University, Auckland, New Zealand. Over 150 delegates from all over the world participated in the conference with the theme Digital Discovery: Strategies and Solutions. The topic was explored from both research as well as from teaching and learning perspective. The conference included a study tour to Waitangi where the Treaty of Waitangi was first signed between Maori and the British Crown in 1840. During the study tour Ms. Evelyn Tobin, Library and Information Advisory Commission, New Zealand, gave a special presentation "Digital Strategy and Maturanga Maori (Maori knowledge)". The conference proceedings are available via the IATUL website at



<http://www.iatul.org/conferences/pastconferences/>

--Report by Irma Pasanen

Christina Birdie, Member of the Standing Committee Honored



Christina Birdie is Librarian, Indian Institute of Astrophysics Library at Bangalore, India for the last two decades. In 1999, she was awarded the International membership to Special Libraries Association (SLA) by the PAM division of SLA for her contribution towards the establishment of Asia Pacific Forum. She was also honored as the International Sci-Tech Librarian for the year 1999, by the Sci-Tech division of SLA. She was conferred the Diversity Leadership Development award by the Special Library Association at New York in June 2003. She is one of the coordinators of the FORSA consortium, a group of eight astronomy libraries in India. She holds MLS and PhD degrees in Library Science in addition to degree in science.

Open Access News

Canadian Institutes of Health Research Policy now in effect

Under new funding policy, recipients of Canadian Institutes of Health Research grants awarded after January 1, 2008, must ensure that all research papers generated from CIHR funded projects are freely accessible through the publisher's website or an online repository within six months of publication. More at: <http://www.cihr-irsc.gc.ca/e/35683.html>

Harvard Faculty Adopts Open-Access Requirement

<http://chronicle.com/news/article/3943/>

Harvard Liberal Arts Faculty Votes to Distribute Research Free

<http://www.bloomberg.com/apps/news?pid=20601103&sid=awVtBVYO2SqE&refer=u>

University of Calgary, Canada Open Access Authors Fund

Professors and graduate students will now have access to a \$100,000 Open Access Authors Fund designed to increase the amount of publicly available research. The new fund will provide financial support to cover Open Access author fees.

<http://www.ucalgary.ca/news/june2008/authorsfund>

Free Online Resources

Essential Health Links - New Nutrition Resource

This resource provides more than 700 useful websites for health professionals, medical library communities, publishers, and NGOs in developing and emerging countries.

<http://www.healthnet.org/essential-links/>

Engineering & Science Ejournals - Full-Text Access

<http://home.earthlink.net/~adni1301/wsnjour.html>

Free Medical Journals <http://www.freemedicaljournals.com/>

Index Translationum –75th Anniversary (Database)

The Index Translationum is a list of books translated in the world. It is an international bibliography of translations. The Index Translationum was created in 1932 and this year is celebrating its 75th anniversary. This database contains cumulative bibliographical information on books translated and published in about one hundred of the UNESCO Member States since 1979 and totals more than 1,700,000 entries in all disciplines: literature, social and human sciences, natural and exact sciences, art, history and so forth. It is planned to update the work every four months. Periodicals, articles from periodicals, patents and brochures are not included. For details and to search the database:

<http://portal.unesco.org/culture/en/ev.php->

[URL_ID=7810&URL_DO=DO_TOPIC&URL_SECTION=201.html](http://portal.unesco.org/culture/en/ev.php-URL_ID=7810&URL_DO=DO_TOPIC&URL_SECTION=201.html)

Books of Interest

Open Access: Opportunities and Challenges - a Handbook, 2008

The handbook aims to provide information about the opportunities and challenges offered by Open Access, and to present a wide array of issues and positions under debate. The English version of the handbook is a translation of the handbook in German, published by the German Commission for UNESCO in 2007. To download the Book:

http://www.unesco.de/fileadmin/medien/Dokumente/Kommunikation/Handbook_Open_Access_English.pdf

MLA Style Manual and Guide to Scholarly Publishing

Reorganized and revised, the third edition of the *MLA Style Manual* (Modern Language Association) offers complete, up-to-date guidance on writing scholarly texts, documenting research sources, submitting manuscripts to publishers, and dealing with legal issues surrounding publication. Third edition, May 2008. More at: <http://www.mla.org/store/CID29/PID341>

Upcoming Conferences

**World Conference on Agricultural Information and IT
IAALD AFITA WCCA 2008**

Tokyo, Japan, 24 - 27 August, 2008

12th World Congress of the International Association of Agricultural Information Specialists (IAALD) <http://afita.ac.affrc.go.jp/wcca2008/Program.html>

10th International Congress on Medical Librarianship

**To be held in Brisbane, Australia, 31 August – 4 September, 2009
on Positioning the Profession**

<http://www.icml2009.com/>