



newsletter

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PRESIDENT'S COLUMN

By the time you read this issue, we should be close to completion on the Proceedings from the Boston meeting. I had hoped to have it to the printer by April 1st, but coping with snowstorms and earthquakes (hopefully no one had to cope with both!) set several of us back several weeks. But the volume is shaping up nicely, and is well on its way to publication!

Please note several new committee appointments, with yet more to follow in the upcoming weeks. The Preservation Issues Committee is up and running with Susan Klimley as Chairperson. If you want to join in GIS preservation efforts, please contact Susan (klimley@columbia.edu) for more information. Last year the Ad Hoc Committee to review GeoNet-L recommended that a GeoNet-L Advisory Board be appointed (similar to the Newsletter Advisory Board.) The Executive Board accepted this recommendation, and I am pleased to announce that Linda Zellmer is the Committee Chairperson. Other members are Diane Baclawski and Patricia Gaspari-Bridges. Also, please add Vivienne Roumani-Denn to the Digital Data Committee membership list.

To all committee chairpersons, officers, and representatives: A reminder that all Mid-year Reports are due to me by April 30.

Elsewhere in this issue you will find a copy of the Second Circular for GeoInfoV. Last year the Executive Board voted to provide stipends for GIS members who are giving papers at this upcoming conference. Eight GIS'ers will be receiving this stipend. Attention all GIS members in developing nations: You should have received a letter from me indicating the availability of a stipend to attend GeoInfoV. As noted, this stipend does not require that a paper be given. If you fit this category, and did not receive my letter, please contact me as soon as possible, via e-mail or fax.

VICE PRESIDENT'S COLUMN

Plans are moving along steadily for the GIS meeting in Seattle, October 24-27. At the moment I seem to receive a large packet from GSA almost every two weeks with more information. All North American members will be receiving the First Announcement of the meeting from GSA which is the April issue of *GSA Today*. All members will receive the Second Announcement which contains the Registration Form and hotel accommodation forms. This is now part of the June issue of *GSA Today*. My last packet from GSA contained abstract forms. This year **the deadline for abstracts being received at GSA in Boulder is JULY 6**. Technical paper and poster session abstracts are submitted directly to GSA.

The Geoscience Information Society has always been a very special group to belong to for me because its members have always been willing to share their ideas and expertise with others. Our technical and poster sessions have been a forum for the exchange of information and ideas on current issues in the geoscience disciplines. Technology, the availability of new data sets, and an ever increasing need to know about our environment make the 90s a challenging time for our field. Do use this opportunity to make a contribution and expand our horizons. Abstract forms are available from Barbara Haner, Physical Sciences Library, University of California, P.O. Box 5900,

continued, p. 3

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The GIS Newsletter is published bi-monthly in February, April, June, August, October, and December by the Geoscience Information Society. Subscription to the Newsletter is \$40 per year and is included in the Society's annual membership dues. All correspondence regarding dues, membership status, and address changes should be directed to the GIS Secretary.

GIS members are encouraged to contribute materials for publication. Research articles and technical reports should be submitted to the Editorial Board for review and possible publication. Information reports, officer and committee reports, publication notices, job announcements, and other news items should be submitted to the News Gathering Editor.

Material for the June, 1994 issue of the GIS Newsletter should be received by the Receiving Editor no later than May 15, 1994. If possible please send materials on IBM-compatible disk (Wordstar 3.3, Wordperfect 5.1, or ASCII format) or by e-mail.

Riverside, CA 92517, or from GSA Abstracts Coordinator, Geological Society of America, P.O. Box 9140, Boulder, CO 80301-9140.

In 1994, GSA will be looking at geology at 'the Leading Edge' both as a active, dynamic geological process and as a field at the cutting edge of technology. It seems appropriate that GIS considers not only these technological changes, but how they impact on individuals, societies, and organizations as they deal with the exchange of geoscience information. I feel this symposium will be of broad interest to geologists as well as information specialists as the dynamic forces of technology is assimilated into our activities.

GIS 1994 annual meeting symposium:

"Changing gateways: the impact of technology on geoscience information exchange"

Speakers and Topics/Tentative Titles

1. John Aaron (U.S. Geological Survey): The speaker will address the philosophy of publishing, where we are and where we are going
2. Martha Andrews (INSTAAR): "From card catalog to computer file: how evolving technology has revolutionized production in the field of polar bibliography". She will discuss the impact and creative opportunities provided by technology to disseminate information.
3. Charlotte Derksen (Stanford University) and Jim O'Donnell (California Institute of Technology): "What we did/what we do/what we'll do: Geoscience Information Centers in a time of change". Their talk will focus on the changes in information centers from 1970-2000.
4. Julie Hallmark (University of Texas at Austin): "The effects of technology on the information-seeking behavior of scientists". The speaker will focus on how scientists have traditionally sought information and how it is being changed by technology.
5. Wendy Hassibe (ESIC, Salt Lake City): "The National Performance Review--re-invention of information dissemination at the USGS". The speaker will bring her perspectives of proposed changes in access to government information as policy changes.
6. Judy Holoviak (American Geophysical Union): "Electronic journals; new headaches and old". The speaker will discuss the problems associated with electronic publishing as we move towards new publishing formats.
7. Robert Osborne (University of Southern California): "The balance between technical proficiency and scientific creativity in post graduate education". The speaker will focus on his observations and discussions with graduate students as technology is integrated into research activities.

In the next newsletter, I hope to provide a tentative schedule of GIS meetings and activities and other events at GSA. Already there are two workshops planned for Sunday, October 23rd. In the meantime, please don't forget that the abstracts deadline for volunteered papers and

the poster sessions is July 6: very close to a national holiday and associated postal problems. Please do not hesitate to contact me if you have any questions. Look forward to seeing you in Seattle. **DON'T FORGET TO SEND IN THOSE ABSTRACTS.**

OFFICER NEWS

From the Secretary

Membership News Update: The Society is pleased to welcome the following new members:

- Fred Bryant, Univ. of Virginia, Charlottesville
- John C. Callihan, Chemical Abstracts Service
- Patricia L. Daniels, Dept. of Geology, Univ. of Kansas
- Mary Lynette Larsgaard, Univ. of Calif., Santa Barbara
- Vivienne Roumani-Denn, Univ. of California, Berkeley

Second membership renewal forms should have been received by members who need to send in the 1994 dues. Please remember that the current dues for membership in the Society are as follows:

Personal membership

Individual \$40.00

Student \$15.00

Retired \$15.00

Institutional membership \$75.00

Subsisting membership \$100.00

Members who have not paid the dues by April 15, 1994, will be removed from the membership roster and will not be listed in the GIS Membership Directory.

If you have not received a renewal form or would like to change your address, e-mail, fax or telephone number, please notify the GIS Secretary, Clara P. McLeod.

From the Publicity Officer

As GIS Publicity Officer, I prepare news releases about GIS members and activities, and send them out to other organizations and publications for reprinting. I have two requests for you:

1) I'd like to collect copies of the information that results from the news releases. If you see information about GIS published somewhere, will you please send me a note with the citation, or a fax of the material & source? (Example: see our release information in *Eos*, v. 75, no. 9, March 1, 1994, p. 98!)

2) if you have a GIS issue that needs publicity, please let me know!

Many thanks.

Dena Hanson, GIS Publicity Officer

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REPRESENTATIVE REPORT

ALA Science and Technology Section

The American Library Association Midwinter Meeting was held February 4-10, 1994 in Los Angeles.

STS will present an all-day, interdisciplinary program on June 27, 1994 at ALA Annual Conference in Miami: "Scholarly Research on the Internet: Beyond the Basics." ALA expects have its gopher online in June. Several STS committees voiced support for a STS Listserv.

STS Committee Reports:

Continuing Education - A survey of library schools will be published as an article in C&RL News.

Subject and Bibliographic Access to Science Materials - "Science and Engineering Conference Proceedings: A Guide to Sources for Identification and Verification," will be published when approved by ACRL. Another new manual, "A Guide to Searching Bibliographic Utilities for Conference Proceedings" is expected to be published this summer.

Publisher/Vendor Relations - Topics addressed included Internet, journal cancellations, subscription problems, e-journals, and copyright.

Planning - The STS Section Review document will be added to the STS Handbook and archived by ACRL.

Oberly Award (best English-language bibliography in agriculture or related sciences, given in odd-numbered years) - This committee is looking for more members. Mike Haddock at Kansas State University currently is chair; elm to haddock@ksuvm.bitnet.

Nominating - Those interested in running for STS office or nominating others should contact Karen Cargille at kfeeney@ucsd.bitnet or Janet Fore at jfore@arizrvax.bitnet

Publications - Some members will develop a proposal for a STS listserv. The committee will discuss with Harry Llull as to how it relates to the STS e- journal Issues in Science and Technology Librarianship. The section newsletter *STS Signal* will continue.

Membership - STS membership now is 1920 (ACRL has approximately 10,700).

Science Databases Discussion Group - Topic was "Is CD-ROM Dead? or Different Formats for Different Folks," chaired by Ann Eagan of U. of Arizona and Dawn Talbot of UC-San Diego. CD-ROMS on dedicated terminals, CD-ROM LANs, and remote databases access were compared. Speakers were from Silver Platter, U. of California and U. of Arizona. Numerical databases may be next topic for group.

General Discussion Group - Topic, including hands-on experience, was "You Can Get There From Here! Geographic Information Systems in Libraries." A GIS pre-confer-

ence session for ALA Annual is under consideration (co-sponsor with ALA LITA).

College Science Libraries Discussion Group - Topic for ALA Annual will be "New Electronic Sources In Science and Technology: What's Hot and What's Not."

Conference Program Planning 1994 - All sections of ACRL are working toward joint program in Miami. STS reception will be at Fairchild Tropical Gardens.

Comparison of Science/Technology Libraries - Committee compiled survey responses from ARL libraries; article(s) are planned from results. Preliminary report may be given at ALA in Miami.

Conference Planning 1995 - Idea for program on science information preservation being developed; title would be "Preserving the Record of Science and Technology."

Issues in Science and Technology Librarianship --

Two STS Electronic Communications have been published since my last report. Number 8 (December 1993) highlighted a new bibliography, entitled "The History of Women and Science, Health, and Technology: A Bibliographic Guide to the Professions and the Disciplines," edited by Phyllis Holman Weisbard and Rima D. Apple. It is 108 pages in length (2500+ citations, some annotated) and is available electronically from wiswsl@macc.wisc.edu. Include your elm, or if requesting from limited supply of print copies, include full mailing address. Print copies address is: Women's Studies Librarian, University of Wisconsin System, 430 Memorial Library, 728 State Street, Madison, WI 53706.

This issue also announced OCLC's addition of two files to its FirstSearch and EPIC products: Microcomputer Abstracts and Inspec.

Marty Kesselman, ALA Delegate to IFLA (international librarians association) Standing Committee of Science and Technology Libraries, also gave a report in this issue. His elm is kesselman@zodia.rutgers.edu

A brief bibliography entitled "Latin American Scientific and Technical Information Issues," by Vilma Lopez Correia, was included in this issue, followed by a directory, "National Science and Technology Institutions in Latin America and the Caribbean," compiled by Benita Weber Vassallo.

The January 1994 issue of STS Electronic Communications was the schedule for the STS proceedings at ALA Midwinter. A call for abstracts for the poster sessions at ALA Annual in Miami this June also was included.

Respectfully submitted,
Thomas R. Zogg

COMMITTEE NEWS AND REPORTS

Geoscience Information and the Digital World

by

Karen Campbell, Digital Information Committee

I began this column by attempting to define "digital" and to infer its current relevance to the geoscience information community. It seemed appropriate to take a digital approach to information gathering, so I first consulted the Columbia Encyclopedia online through OCLC's FirstSearch service for a definition of "digital." This yielded only an entry under "computer graphics," forcing me to resort to the paper Encyclopedia Britannica. (The online version, recently announced, is not yet available to me.) Britannica defines only "digital computers" in the Macropedia. Digital computers are "devices capable of solving problems by processing information in discrete form... (they) can perform such tasks as to...regulate the operation of machines, analyze and organize vast amounts of [business] data and simulate the behaviour of dynamic systems (e.g. global weather patterns and complex chemical reactions) in scientific research." A relatively generic definition, but with clear implications for geoscience information. A search for "digital and information" on GeoRef on CD-ROM, disk by disk, revealed an information explosion: 213 citations on the most recent, versus 34 on the earliest disk. "Digital simulation" and "digital techniques" appear on all three disks; "digital cartography" does not appear until the most recent disk. A search of Library Literature online through FirstSearch for "digital" yielded 193 citations.

We hardly need this evidence to convince us of the ubiquitous nature of digital information today. Each day brings several stories in the popular media about the Information Superhighway. The librarian's role in this evolving digital convergence has lately become the stuff of editorial cartoons, as many GIS members are aware thanks to postings on the digital information source, GeoNet-L. We are barraged with digital sources of professional information as well as library sources in digital form. Indeed, the distinction between these two has blurred.

A recent issue of the *Journal of the American Association of Information Science* (v. 44, no. 8, 1993) addresses the concept of "digital libraries." Authors cite the many recent legislative and executive actions endorsing the notion of a national digital library to enhance and preserve the worldwide competitive stance of the United States. JASIS proposes a three-part foundation for the digital library: the need for information, our accumulated information, and our technological advances. Each of these components has a digital aspect; together they form the digital library, in essence, a virtual library. The virtual

library is an extension of the scholar's workstation concept, in which disparate forms of information are joined in an electronic environment to be manipulated and reproduced at the scholar's whim. This leads, of course, to important questions regarding supply, navigation and intellectual property rights.

But what of the particular relevance to geoscience information? Writing in the same issue of JASIS, Fox et al. describe Envision, a digital library under construction at Virginia Tech. They state "Computer and information scientists should be among the first to experiment with digital libraries." They proceed to discuss the manner in which "working with 'objects' can help improve the overall scientific communication process and encourage reuse of scholarship. This has real implications regarding representation..." The digital library has particular relevance to the geoscience information community precisely because we have always struggled with the role of objects as information. The digital library presents a future in which disparate objects, such as journal articles, citations, mineral formulae, maps, structural models and personal communication can all be accessed and manipulated to synthesize and then distribute new information within a single electronic environment.

As fantastic as this may still sound, evidence mounts daily that it is an imminent reality. In the past week, my e-mail box contained:

- a) an announcement of a gopher devoted to Census Bureau information. This has many implications for geoscientists involved in planning--hazard reduction or water resources, for example.
- b) a listserv posting asking where map libraries will fall on the Information Superhighway--an example of the digital communication medium planning the virtual library.
- c) an announcement for a new "listproc" to utilize the National Spatial Data Infrastructure. This is in essence an example of a digital library. The NSDI is described as "the means to assemble geographic information that describes the arrangement and attributes of features and phenomena on the earth"; it includes the materials, technology, and people necessary to acquire, process, store and distribute such information." Interestingly, this forum is moderated by an engineer, rather than a librarian.
- d) discussion of map-related CD-ROM products such as the Domesday disk in the United Kingdom and World Wide Web accessible map exhibits such as "A View of Rome 1593"; these serve as digital means of both preservation and dissemination.
- e) a posting, in response to the query regarding the role of map librarians in the digital world, from the commercial editor of the "Electronic Atlas Newsletter:dedicated to

information about 'real-life' and professional applications of Geographic Information Systems (GIS)," an example of a published forum devoted to a digital format.

f) a description of biological databases accessible over the Internet. These are databases of specimen data, many housed in museums, not libraries. Undoubtedly, similar resources exist in paleontology or seismology, for example. Digitized photographic archives relevant to the geosciences represent a similar resource.

Review of Listserv archives, gopher-space or the journal literature would yield countless additional examples of the incredibly varied explosion of digital information relevant to the geoscience information community. Capacity of digital methods to preserve and transmit spatial data has almost incalculable implication for geoscience information management. P.E. Peters, writing in the Jan/Feb issue of *Educom Review* states "We now have within our reach the technological means to construct learning environments that have the information density of the Library of Congress, the pedagogy of Socrates, and the excitement and holding power of a video game." Mentally applying this model to the recent Northridge earthquake event gives one a sense of the relevance of the digital library to the world of earth-science information. In a virtual library environment, one could access full-text explanations of earthquake dynamics, manipulate models of quake motion, plot or print maps of epicenter and aftershock locations, access archival information on past quake magnitudes, access news reports, consult expert seismologists and local observers, and view photographs of quake damage. In fact, many of us were able to do several of these things during the Northridge quake, using familiar e-mail and Gopher technology.

The virtual geoscience library, then, is rapidly becoming a reality. Librarians need to master a host of new skills; the virtual environment has important ramifications for preservation, intellectual property rights, collection development, resource planning, instruction, and outreach. Although the explosion of information and technology may at times appear overwhelming, the digital environment provides an unprecedented opportunity for cooperative learning and resource sharing; circumventing the logistical paper-jams that can bedevil traditional forms of cooperation. The geoscience information community has a history of effective and creative cooperation, evidenced by the leadership and communications forum provided by organizations such as the Geoscience Information Society and the Western Association of Map Libraries. It is hoped that this environment of cooperation will expedite the transition of the geoscience library into cyberspace.

References Cited

Fox, E. A.; and others, 1993, Users, user interfaces, and objects--Envision, a digital library: *Journal of the Ameri-*

can Society for Information Science, v. 44, no. 8, p. 480-491.

Peters, P. E., 1994, Is the library a "place" in the age of networks?: *Educom Review*, January/February, 1994.

Best Reference Work Committee

The Best Reference Work Committee is soliciting nominations for the 1994 award. All reference works published in the last 3 years are eligible. Works in all formats are eligible.

Please submit nominations to any committee member as soon as possible.

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Guidebook Standards Committee

The Guidebook Standards Committee is collecting nominations for the 1993 "Best Guidebook Award." Send nominations for your favorite guidebook to Lisa Dunn, Committee Chair by the end of May.

PUBLICATIONS

There is a new source for formatting electronic information: *Electronic style: a guide to citing electronic information*, by Xia Li and Nancy B. Crane, 1993 (Westport, CT: Meckler. 65 p., paperback, \$15.00). It's gotten some excellent reviews.

PETER BRUEGGEMAN's article, "Earth Science CD-ROMs--A collection buyer's guide, was published in the March, 1994 CD-ROM Professional.

There's an interesting tid-bit about electronic preservation in the 24 Feb 1994 issue of *Nature* (p. 675). The British Library has photographed pages from old manuscripts (like an 11th century copy of Beowulf) and has put the images on the internet.

REGISTRATION FORM



International Conference - Prague, Czech Republic 20 - 24 June 1994

**Fill in this REGISTRATION FORM and mail it with your registration fee and deposit to:
SECRETARIAT of GEOINFO V., Geofond of the Czech Republic,
Kostelní 26, 170 21 Praha 7 Letná, Czech Republic,
BEFORE 31 MARCH 1994**

Name.....Givenname.....Title.....
 Affiliation.....
 Address.....
 Country.....Postal Code.....
 Telephone.....FAX.....
 Accompanying person(s).....

Registration Fee	Before 31 March	After 1 April
Full	USD 230	USD 270
Seniors, students, accompanying persons	USD 120	USD 140

I would like accommodation in:

Student hostel (shared bath)	single;	double;	Deposit USD 70
Hotel Pyramida (3*) or Savoy	single;	double;	USD 150
Hotel Diplomat (5*) or International	single;	double;	USD 500

for.....persons and.....nights
 Date of arrival.....Date of departure.....

If possible I would like to share a room with.....

Together with this form I am sending a deposit of USD.....

I will settle the balance of the hotel account at the registration desk.

Please, make your payment by a bank transfer to Česká Národní Banka Praha f/o Nr. 19-1729-071/0710 - Geofond Praha. In details of payment, please indicate "symbol 110". ČNS' correspondent for payment in USD is Citibank New York, Acc. No. 10923239.

Short Courses, Workshops, Special Social Events and Excursions fees will be accepted according to the final Announcement at the Registration Desk. Pre-registration needed.

I am interested in Excursions:

1: 2: 3: 4: 5: 6: 7:

.....
Date

.....
Signature

FORTHCOMING MEETINGS

GeoInfo V, the 5th International Conference on Geoscience Information

The GeoInfo V programme consists of six themes:

- A. Information systems and data bases for environmental geology.
- B. Advanced information technologies applied to geoscientific information systems and development.
- C. New methods, techniques and services in geoscience libraries and map collections.
- D. Cost and value of geoscience information: recent trends and forecasting.
- E. National and regional geo-information systems: ways for entirety and compatibility.
- F. Information systems and data sources for international policy on global resources and development.

There will be a combination of plenary and concurrent sessions consisting of papers, panel discussions, posters and demonstrations as a basis of open exchange of ideas and experiences. There will be several workshops on specific topics.

The preliminary programme that follows is a proposal and is subject to change. A final version will be available upon arrival at the Conference.

Technical Programme:

Sunday, June 19

- whole day Excursion 1 - Prague-Golden City in Europe's Heart and its Environs
- morning Workshop W1 - GIS
- afternoon Workshop W2 - Object-oriented DBMS
- Excursion 2 - Vltava River Cruise

Monday, June 20

- whole day Registration of participants
- morning Welcome and Introduction to GeoInfoV.
Keynote addresses
Plenary Session 1: International strategy and cooperation in geo-information for the year 2000. Co-chairmen: COGEO-INFO representative and C. Kortman (Finland).
- afternoon Plenary Session 2: Advanced Information Technologies as applied in geosciences. Co-chairmen: A. Turner (USA), P. Chopra (Australia)
Opening of poster sessions and exhibits
Welcoming reception
- evening

Tuesday, June 21

- morning Continuing Registration of Participants
Plenary session 3: Cost and value of Geo-Information. Co-chairmen: M. Mc-

afternoon

evening
Wednesday, June 22

morning

afternoon

Thursday, June 23

morning

afternoon

evening

Accommodations

Blocks of rooms are preliminarily reserved for the Conference at three sites. Participants are reminded that they have to book accommodation in advance in the enclosed registration form. June is a busy time for tourism in Prague and participants are encouraged to book it early.

Garr (UK), C. Schejbal (Czech Rep.).
Concurrent session A1: Co-chairmen: G. Gaal (Hungary), D. Berman (Australia).
Concurrent session C1: Co-chairmen: R. Walker (USA), M. Doyon (Canada).
Concurrent session C2: Co-chairmen: V. Krajickova (Czech Rep.), J. Prochazkova (Australia).
Concurrent session B1: Co-chairmen: A. Fabbri (The Netherlands), A. Turner (USA).
GeoRef Workshop: Widely used bibliographic data base and its practical retrieval demonstration.
Computer demonstration of papers.
see Social Programme

Concurrent session A2: Co-chairmen: F. Wolff (Norway), V. Shanellec (Czech Rep.).

Concurrent session F1: Co-chairmen: COGEO-INFO representative, E. Zacharova (Slovakia).

Concurrent session B2

Concurrent session D1

Excursion 4 Kutna Hora - Old Mining Town.

Concurrent session E1

Concurrent session F2

Concurrent session D2

Concurrent session E2

GeoLine Workshop: German-English and mostly Europe-oriented data base of BGR Hannover COGEOENVIRONMENT of the I.U.G.S. panel discussion on GIS, Natural Disasters Data, and E.I.A.

Pascal Geode Workshop: Traditional French originated world-wide bibliographic database products.

Geoscience Information Society open meeting.

Closing supper

- A. Student's residence (University hostel) close to the Meeting hall: two bed rooms with shower (for some USD 28 per person).
- B. Hotel of European medium standard, not far from the Meeting hall, good transport connection. Price is some USD 45 to 60 in two-bed rooms per person or single for USD 65 to 90.
- C. International hotel of higher class, for USD 90 to 130 single room or USD 140 to 170 twin/two bed rooms. The distance from the meeting hall is more than 2km (easy transport).

Other types of accommodation are also possible for individuals and groups if they are familiar with the Prague transportation system. Plenty of small nice and cheap boarding houses are nearby. However, this must be arranged for directly as the conference committee cannot do it for you.

Excursions and tours

Excursion 1: Sunday, June 19 and Friday, June 24 (9.00-18.00): Prague - Golden City and its environs. Sightseeing tour. The price (USD 50) per person includes transportation by bus, a guide, safety equipment and lunch.

Excursion 2: Sunday, June 19 (14.00-18.00): A four-hour steamboat cruise on the River Vltava. Passenger ticket (USD 14) includes also live music and drink.

Excursion 3: Tuesday, June 21 (8.30-13.00): Baroque Prague, Old Town and Jewish medieval monuments. Price for GeoInfo accompanying persons included in the registration fee (otherwise USD 25).

Excursion 4: Wednesday, June 22 (13.00-19.00): Kutna Hora - Old mining town. Historical monuments, objects of geology and mining interest. Cost of transporting, guide, and refreshment is included in registration fee.

Excursion 5: Thursday, June 23 or Friday, June 24 (12.30-17.30): Geology of the Prague environs. Field trip will go mostly westwards of Prague-centre into the famous outcrops of the Barrandian Basin. Price USD 24 includes bus ticket, box lunch, field guide, map, etc.

Excursion 6: Thursday, June 23 or Friday, June 24 (14.00-16.00): GEOFOND Prague. A two-hour visit and exhibition of selected information activities of databases on boreholes, mineral deposits, landslides, water wells, etc. Free.

Excursion 7: Friday, June 24 - Sunday, June 26 (three days excursion): Four central European countries - their capitals, landscape, selected monuments, and geoscience information centres: Czech Republic, Slovakia, Hungary, and Austria. The participants can overlook them by bus with a short cruise on boat on "blue" Danube. For those who are planning to use the air transportation via Vienna or Munich, it is possible to terminate the GeoInfo trip in Vienna. Cost USD 350 per person includes transportation

by bus and boat, full boarding, accommodation, etc. Guides, maps, and small refreshments will be provided by local geological surveys and/or geoinformation centres in Bratislava, Budapest, and Vienna. Advanced registration is needed. (Minimum 29 participants is a basis. If less than 29 persons are registered by March 31, the Excursion is cancelled.) The fee will be paid at the registration desk.

Advanced registration is necessary for all of these excursions in the registration form.

Social Programme

Sunday, June 19: Only informal small party is considered since many guests from overseas will probably need relaxation because of time-shifting.

Monday, June 20 (19.30-22.00): Welcoming Reception - to be held in the typical hall of Prague, not far from the Conference centre and from the hotels. (Cost included in registration fee).

Tuesday, June 21 (18.30-22.00):

a/ Live concert in open air (garden) or in a church.

b/ Evening "airing" in Old Town of Prague ending in a typical beer-pub of Prague.

Wednesday, June 22: Excursion to Kutna Hora includes also a short evening programme.

Thursday, June 23 (19.00-22.00): Closing supper to be held in the city restaurant. All registrants are invited to attend.

General information:

Travelling: Prague can be easily reached by air, train, bus or car.

-- The Prague International Airport is served by several major airlines. An Airporter CSL Bus Service is available from the airport to subway line A terminal or continues further to downtown. Recent ticket costs 20 Czech crowns, (i.e. 80 cents). Taxi service is available at a cost of about USD 10.

-- Train service is provided from most of continental European capitals and major airports. The rail stations Praha-Wilsonovo nadrazi (main station) and Praha-Holesovice are a short way by subway or bus from the Conference centre.

-- Bus service is available from many points in Germany, Austria, France, Belgium, etc. but it does not operate daily.

-- Access routes to Prague by car are wide-spread in Central Europe. However, do not expect easy highways - they are only two. You may meet good roads, but not for fast driving.

Visa requirements: Visas are required for participants coming from only a few countries. In most cases a valid passport will be sufficient. However, all participants are advised to check their specific travel documents with either the local Consulate or their travel agent.

For additional information, contact:

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If you need a fax copy of either the registration form or the circular, please request from Barbara Haner:

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Association of Canadian Map Libraries

The Association of Canadian Map Libraries and Archives 1994 Annual Conference will be held at Guelph University, Ontario, June 7-11.

Preliminary program highlights

- June 7 -- Pre-conference Workshop: Introduction to Internet Map Sources (for more information, contact Colleen Beard at cbeard@sparta.ac.brocku.ca)
- June 8 -- Public Access to Cartographic Information: Government Perspectives - Panel Discussion
-- Historical Mapping Session
- June 9 -- Education and Training: Users of Geo-Referenced Data (including the ARL Canadian GIS Literacy Project)
-- Demonstrations/Presentations of Electronic Products
-- Group Discussion Session: New Initiatives in Map Librarianship
-- Vendor Fair: demonstrations and displays of cartographic products
- June 10 -- 28th ACMLA Annual General Meeting

- Annual Report of the Visual and Sound Archives Division, National Archives of Canada
- Tours of Ontario Ministry of Agriculture and Food; City of Guelph.
- Banquet and Awards

June 11 -- Field Trip to the Elmira countryside tour, including visits to a Mennonite homestead, buggy factory and farmer's market and visits to several points of interest along the Niagara Escarpment, including Elora Gorge, Crawford Lake and Rattlesnake Point.

Full Registration (by May 13) is \$105.00; Full Registration (after May 13) \$120.00 (includes banquet and BBQ). For information about accommodations, program details, registration or any other information, contact:

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SEATTLE MEETING NOTES

Mark Ghorso, 1994 GSA Technical Program Chairman, has made data and descriptions of all accepted symposia and theme session for the 1994 Seattle GSA Meeting available on a public access INTERNET node. FTP to [fondue.geology.washington.edu](ftp://fondue.geology.washington.edu) and login as ANONYMOUS. Use anything as a password. Move to the GSA directory, and download either or both of the ASCII text file listings of the symposia and theme sessions. Convenor/advocate name and phone numbers are listed, as well as descriptions, email info, and abstract categories for review. These data will be published (as usual) in the *GSA Today* April issue.

-- Connie Wick

Duplicates Exchange List - USGS Reston

The following monographs are available on a first come first served basis from the Exchange & Gift Unit, USGS Library, 950 National Ctr., Reston, VA, 22092. Please circle or highlight the desired items and enclose mailing labels with request.

Editor's note: Because of space constraints, we were unable to publish this list in the Feb. issue. Our apologies to Lee Regan.

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Report of the Inaugural Joint Meeting of the ALA-ALCTS CMDS/PLMS Discussion Group

reported by
Barbara DeFelice

There was a meeting of the American Library Association-Association for Library Collections and Technical Services; Collection Management and Development Section/Preservation of Library Materials Section in Los Angeles, Feb. 6, 1994.

This meeting was attended by a variety of librarians, from subject selectors to heads of preservation for large research libraries. The one thing the participants had in common was sufficient knowledge of the acronyms to realize this meeting might be of interest. The primary reason for the meeting was to determine if there is a need within ALA to have those groups interested in preservation and those interested in collection development talk to each other in a formal forum. The consensus was yes, that the two areas need more coordination, and therefore such joint meetings will continue.

Areas of concern were identified by the presenters and the group. These were:

1. Criteria for selection should apply to what is preserved as well as to what is purchased. It was recognized that often the selection decision and the preservation decision is made for very different reasons. For example, a major selection criteria is current usefulness, while preservation projects often focus on little-used and obscure materials.
2. Greater cooperation between selectors and preservation specialists is needed, because selectors may lack know-

ledge of preservation options while preservation experts lack knowledge of what is important to save in the collection.

3. How can the academic and other user communities be involved in decisions about what to preserve and what format is best for access? Maintaining the collection and preserving and providing access were seen as part of the same job by some in the group. Others felt that selectors are more concerned with what's NOT in the collection and preservation librarians are concerned with what's IN it; therefore the 2 roles are quite different. A compromise is to develop a team of bibliographers and preservationists to work on the problem.

4. Funding of preservation was of great concern. Most preservation projects are grant-dependent. Some felt that funds needed for preservation should be more visible, specifically listed as part of the materials budget.

5. Problems/advantages of electronic formats for preservation.

6. Cooperation and resource sharing were mentioned, and the meeting ended with reports on such projects.

Sherry Byrne reported on the North American Preservation Planning Strategy. The goal is to present a vision statement and an outline for action.

Nancy Elkington presented an update on RLG's Whole Discipline Project; they have selected 3 topics (none in the sciences): Great Depression, Popular Music, Late 19th, early 20th century architecture.

The model that most closely fit the needs of the geoscience literature and community was the discipline-based National Preservation Program for Agricultural Literature. The project was done under the auspices of the U.S. Agricultural Information Network; the report is by Nancy E. Gwinn with assistance from the Advisory Panel on Preservation, USAIN. Sam Demas of Cornell discussed the features of the plan. It includes coordination of access, storage and distribution of archival copies, covers land-grant publications and state and county-level documents, assigns responsibility for different materials to large libraries like NAL and Cornell but also has roles for the small local libraries. He felt that discipline-oriented preservation plans were good candidates for funding. The report has some interesting information about efforts to create lists of core current and historical materials in agriculture. It is available from Sam Demas at Cornell, Mann Library. I have a copy which I'm happy to share.

Jennifer Banks from MIT commented on the need to recognize the usefulness of some older literature in science and technology. She feels there are two main prongs to sci/tech literature that have different requirements, the newer electronic information and the older print materials. She felt that institutions should contribute descriptions of preservation projects to the preservation scope notes on the RLG/ARL conspectus.

This was an excellent, well-organized and informative session.

REVIEWS

by

Linda Musser

In keeping with the coming season, I'll highlight some recent articles on weeding to begin this column.

-- "Weeding: a quantitative and qualitative approach" by L. L. Reed and R. Erickson (*Library Acquisitions: Practice and Theory*, v. 17, no. 2 (1993), p. 175-181) describes an approach to weeding combining use statistics, bibliographies, and other methods of evaluation.

-- "Systematic reference weeding: a workable model" by K. E. Joswick and J. P. Stierman (*Collection Management*, v. 18, no. 1/2 (1993), p. 103-115) describes a weeding-by-committee approach.

-- "Making lemonade: the challenges and opportunities of forced reference serials cancellations; one academic library's experience" by S. Wise (*Serials Review*, v. 19, no. 4 (1993), p. 15-26) describes the method and repercussions of this project at Appalachian State University. It includes a list of titles recommended for cancellation in the project and an annotated bibliography of materials related to collection evaluation.

And, for those looking forward to the coming change in seasons, two articles on global change:

-- "Data management and global change research: technology and infrastructure" by W. A. Morrissey (*Government Information Quarterly*, v. 10, no. 2 (1993), p. 159-201) describes technological challenges, existing digital data centers, and collection activities within the U.S. government.

-- "Climate and global changes serials and Internet discussion lists" by LINDA MUSSER (*Serials Review*, v. 20, no. 1 (1994), p. 59-80) is an annotated bibliography of global change serial resources.

Miscellaneous other articles by GIS members and others:

-- ELAINE CLEMENT and Patricia Scott are the authors of "No food, no drink, no noise" (*C&RL News*, v. 55, no. 2 (Feb. 1994), p. 81-83), an article which describes a campaign to control those factors in the libraries at Penn State.

-- In the article "Effects on circulation of dissertations of omitting subject headings" by M. V. Sullivan, DOROTHY MCGARRY, B. Schottlaender, and B. A. Miller (in *Academic Libraries, Achieving Excellence in Higher Education*, 6th National Conference of College and Research Libraries, Salt Lake City, Utah, April 12-14, 1992 (Chicago: ACRL, 1992), p.122-127), the authors found that subject headings for dissertations made a small but measurable difference in circulation.

-- "Signs of the times: signage in the library" by Carolyn Johnson (*Wilson Library Bulletin*, v. 68, no. 3 (November 1993), p. 40-42) outlines steps to improve signage in your library - and how to tell if you have a signage problem.

-- "Citation analysis of Geochimica et Cosmochimica Acta, 1951- 1960" by A. Lifshin (Journal of the American Society for Information Science, v. 44, no. 6 (July 1993), p. 322-326) describes the characteristics of these citations by language, format and subject.

-- "Dream drives" by M. Breeding (CD-ROM World, v. 9, no. 2 (Feb. 1994), p. 42-46) reviews various CD-ROM drives. This article is followed by "Test driving the Pioneer Minichanger" by N. Desmarais (p.48-50) which reviews that multiple CD-ROM drive product.

-- "The Gordon & Breach litigation: a chronology and summary" by Ann L. O'Neill summarizes the events surrounding the G&B litigation and the reactions of librarians.

Some new books of interest:

-- Assessing information on the Internet: Toward providing library services for computer-mediated communication. OCLC, 1993.

-- The Impact of the special library on corporate decision-making. SLA, 1993.

-- Internet: Getting started. ST International, 1993.

-- The Internet and special librarians: Use, training, and the future. SLA, 1993.

-- Special libraries: increasing the information edge. SLA, 1993. (This book discusses the value of special libraries to the parent organization.)

-- Team power: Making library meetings work. ALA, 1993.

-- Valuing special libraries and information centers. SLA, 1993.

INTERNET NEWS

Internet Sources of Government Information, 2nd Edition, by Blake Gumprecht, February 26, 1994

Editor's note: Our local source said, "This is one of the best guides I know for sources of government information." Be warned however, that the document is 106K+ in size. Make sure that your mbox can handle a file of this size if requesting via e-mail.

Internet users can now access hundreds of sources of current government information from around the world-- Census data, Supreme Court decisions, world health statistics, company financial reports, weather forecasts, United Nations information, daily White House press briefings and much more. The Internet has become a rich resource for government information, in part because works produced by many government agencies are not eligible for copyright protection.

This is the second edition of a guide to Internet sources of government information originally created for the students, faculty and staff of Temple University. The second edition includes more than 325 sources, two-thirds of which were not listed in the first edition. The sources

listed are intended to provide the simplest and clearest route known to the information described. The preferred source is often a Gopher source because of the ease of using the Gopher software. Often, however, there are several sources for the same information. Some may allow more sophisticated file manipulation. Frequently files can be downloaded to your personal computer using a feature known as file transfer protocol (FTP).

Current and future editions of this guide can be retrieved via Gopher, anonymous FTP and e-mail. The guide can be obtained via Gopher or FTP from the University of Michigan's Clearinghouse of Subject-Oriented Internet Resource Guides:

Path: gopher una.hh.lib.umich.edu / inetdirs / guides on the social sciences / government...

Path: ftp una.hh.lib.umich.edu / user:anonymous / password:e-mail address / cd inetdirsstacks / get government:gumprecht

To have a copy sent to you by e-mail, send a message to mail- server@rtfm.mit.edu. The body of the message should read:

send usenet/news.answers/us-govt-net-pointers/part1

Paper copies of this guide are no longer available. Unauthorized duplication is prohibited by law, but contact Blake Gumprecht about that or any other questions, comments or suggestions at:

Blake Gumprecht, Documents Librarian
Paley Library (017-00)
Temple University
Philadelphia, Pennsylvania 19122
(215) 204-3187
gumpbw@vm.temple.edu
gumpbw@templevm

The Consortium for International Earth Science Information Network

The Consortium for International Earth Science Information Network (CIESIN, pronounced "season") was created to address environmental data management issues raised by the United States Congress, the Administration and the advisory arms of the federal policy community. CIESIN's mission is to facilitate access to, use and understanding of global change information world wide.

Type=1

Name=CIESIN Global Change Information Gateway

Path=

Host=gopher.ciesin.org

Port=70

URL: gopher://gopher.ciesin.org:70/1

ANNOUNCEMENT

Gordon Eaton was sworn in as the new Director of the U.S. Geological Survey on March 14.

JOB ANNOUNCEMENTS

SUPERVISORY LIBRARIAN, U.S. Geological Survey, Denver, Colo.

The United States Geological Survey is seeking a Supervisory Librarian with knowledge of physical sciences, preferably earth science, and experience in managing a library, for Head of the USGS Library, located in Denver, CO. Candidates may have a B.S. or M.S. in Library Science that included or was supplemented by 24 semester hours in the Physical Sciences, or appropriate experience. All candidates must also have 1 year of experience equivalent to the GS-12 level in the federal government that equipped them with the following knowledges, skills and abilities: (1) (Mandatory) Knowledge of physical sciences (preferably earth science). (2) (Mandatory) Knowledge of the theories, objectives, principles and techniques of information/library science in order to manage a scientific or technical library/information center. (3) Skill in motivating and supervising a professional, technical, and clerical staff to effectively function as a team. (4) Knowledge of scientific information resources, automated information systems, public services and user education. (5) Ability to communicate orally. (6) Skill in written communication. This is a permanent full time position at the GS-13 level with a salary range of \$50,096 to \$65,121 per annum.

To apply, contact the U.S. Office of Personnel Management forms request line: (303) 969-7055. Leave a message and refer to Control Number DD 414. The closing date is 05-06-94. U.S. citizenship is required. U.S. Geological Survey is an Equal Opportunity/Affirmative Action Employer.

CARTOGRAPHIC INFORMATION LIBRARIAN, Henry J. Bruman Map Library, University of California, Los Angeles

The Henry J. Bruman Map Library, one of the largest cartographic information collections in the United States, comprises over 500,000 maps, remote sensing images and microfiche. Supplementing those spatial data materials are over 350 serial titles and more than 8,000 atlases, gazetteers and other reference tools. Materials are collected from all parts of the world with emphasis on Los Angeles, Southern and other parts of California and countries covered by study centers on UCLA's campus. The collection also includes a substantial number of rare historical maps and facsimiles and worldwide city plans as well as a large number of cartographic tools to aid in the reading and interpreting of cartographic materials. A newly emerging emphasis on cartographic information in electronic formats is being vigorously pursued. An average of 6,000 cartographic related reference questions are

answered per year. The Map Library is administratively merged with, and reports to, the Public Affairs Service (PAS), which is a multi-disciplinary public service unit, responsible for significant collections of government documents and for public affairs-related publications from non-governmental organizations.

Both Libraries are actively planning for a physical merger of the two collections into University Research Library, the present location of PAS. The combined unit will have a special focus on electronic information systems and will be developing an integrated and active program of reference and research instruction and outreach to faculty and students. The combined Map Library and PAS staff consists of 5.0 FTE Librarians, 9.0 FTE Library Assistants, 1.0 FTE Administrative Assistant and 6.0 FTE Student Assistants.

Duties: Under the direction of the Department Head of the merged unit, the Cartographic Information Librarian (CIL) selects cartographic information related materials in all formats, enhancing the development of the existing excellent collection. The CIL consults with technical processing staff concerning materials acquisition and disposition upon receipt. Participates in bibliographic instruction endeavors of the Department. Responsible for planning and implementing the introduction of Geographic Information Systems (GIS) resources and providing GIS training for staff. Provides forward-looking leadership and high visibility to promote the use of the Bruman Library's Collection. Participates in strategic planning with emphasis on forging new directions for the use of cartographic resources. Provides reference service for the map and government documents collections, which includes some week-end and evening work. Assists and participates in library development and donor relations. Participates in the general activities of the UCLA Libraries as well as teaching, research or other professional activities. Participates in statewide and national networks of cartographic specialists.

Qualifications

Required: Experience in an academic or other major library setting, working with cartographic materials in both collection development and public service areas, including library instruction and user relations. Experience with electronic cartographic resources such as Geographic Information Systems, and the ability to share knowledge with other staff.

Preferred: Familiarity with government publications in all formats, especially electronic, and with the structure of the U.S. federal government. Familiarity with government information at all levels and with the broad disciplinary field of public policy. Public service experience working with government publications and non-governmental pub-

lic policy or urban planning materials. Interest or experience with library development and donor relations.

Candidate must have excellent communication and interpersonal skills. Must have the ability to work effectively and tactfully with colleagues and library users in a fast-paced and complex operation, as well as flexibility, initiative and dependability. Must be a self starter, interested in defining and exploring the field of cartographic information in an interdisciplinary and electronic environment.

Professional librarians at UCLA are eleven-month academic appointees. They are entitled to two days per month of annual leave, one day per month of sick leave, reductions in incidental fees, and all other perquisites granted to non- faculty academic personnel. The University has an excellent retirement system and sponsors a variety of group health, dental, vision, and life insurance plans.

A candidate for appointment shall have a professional background of competence, knowledge, and experience to assure suitability for appointment to this series. Such background will normally include a professional degree from a library school with an accredited program. In addition to professional competence and quality of service within the library, criteria for promotion include professional activity outside of the library, University and public service, research and other activity.

Position Title: Cartographic Information Librarian

Rank: Associate Librarian/Librarian

Name of Unit: Henry J. Bruman Map Library

Salary Range: \$35,052 - \$59,316 (Salary range 11/01/93 - 06/30/94 is \$34,141 - \$57,774 to reflect 2.6% salary reduction)

UCLA is an EOE/AA employer. Send application letter and full resume, and the names/addresses of at least 3 references to Dr. Rita A. Scherrei, Assoc. Univ. Librarian, Administrative and Personnel Services, University Research Library, UCLA, 405 Hilgard Ave., Los Angeles, CA 90024-1575. Candidates applying by May 1, 1994 will be given first consideration.

MAPS LIBRARIAN, Documents/Maps Section, Pennsylvania State University Libraries, University Park, PA

The Documents/Maps Section, Penn State University Libraries contains an extensive map collection of over 200,000 topographic, city/road, political, and thematic maps, supplemented by a large reference collection of atlases, gazetteers, charts, and globes. The maps unit has lead responsibility for development of a strong geographic information systems capability within the Libraries.

Responsibilities include a full range of maps and documents reference and instructional services, including geographic information systems instruction; selection and interpretation of digital maps and data files; primary responsibility for maps collection development in concert with subject specialists from the library system; and liaison with the Geography Department. The Maps Librarian will participate in the development of a new maps facility and corresponding services in a major building expansion and renovation. The successful candidate will be expected to be active in research, scholarship, and service as a faculty member at Penn State.

Qualifications: Requires an ALA-accredited MLS, or equivalent; degree and/ or experience in geography, cartography, or related fields; minimum of two years experience in an academic library; demonstrated expertise with geographic information systems; a strong commitment to reference services; and excellent communication and interpersonal skills. Potential for promotion and tenure will be considered. Foreign language skills are desirable.

Compensation: Salary and rank dependent on qualifications. Benefits include: liberal vacation; excellent insurances; State or TIAA/CREF retirement options; and educational privilege. Applications will be reviewed beginning May 15 and continue until the position is filled. To apply, send letter of application, resume and names of three references to: Nancy Slaybaugh, Manager, Libraries Human Resources, Box MP-LS, E1 Pattee Library, University Park, PA 16802.

An Affirmative Action, Equal Opportunity Employer. Women and minorities are encouraged to apply.

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