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PRESIDENT'S COLUMN

The 1990 Proceedings volume should be at the printers by the time you receive this Newsletter. I expect it will be mailed out in May. Thanks to the authors whose papers are included for responding so promptly. Many thanks to Louise Zipp for her help both in formulating guidelines and in compiling the volume. Again, as was the case last year, you will receive a membership brochure with the GIS Proceedings. Several members mentioned that it was useful to have the brochure when people asked them about GIS.

There are 3 changes to the List of Committee Members in the February Newsletter:

- Best Paper Award Committee
add: Suzanne Larsen term: 1990-Oct. 1993
- Collection Development Issues Committee
add: Sylvia Bender-Lamb term: 1990-Oct. 1993
- Digital Data Committee
delete: Susan Klimley

A revised list of Officers, Committees, and Representatives will be published in the 1991 GIS Membership Directory. Mid-year reports from officers and committee chairs are due to me by May 1.

A recent project of the American Geological Institute involves GIS. On February 23-23, 1991, AGI sponsored the Member Society Conference on K-12 Earth Science Education. This was part of AGI's continuing efforts in earth-oriented science education. Two of our members, Regina Brown and Joanne Lerud, represented GIS at this conference and have prepared a report for this issue.

AGI is also proposing that the member societies and AGI establish and fund a geosciences advocacy program. The goal of the program would be to advance the interests of the geosciences and provide information to both the federal government and the geoscience community on relevant issues. This proposal will be considered over the next months. If you are interested in additional information, please contact either Joanne Lerud or myself.

The plans for the San Diego meeting are progressing well. Dena Fracolli's column describes the deadlines and procedures for submitting an abstract for an oral or poster presentation.

VICE-PRESIDENT'S COLUMN

CALL FOR PAPERS: 1991 Annual GIS Meeting, San Diego, California

Did you know that the deadline for submitting your abstract to GSA is July 3, 1991? That means it's time to put down on paper the idea you've been pondering these last few months. I'm told we can only select a percentage of abstracts submitted, so we need to have lots of good abstracts for consideration to ensure interesting and lively poster and technical sessions! It's really up to us to make San Diego a successful meeting, and GIS is counting on your participation. I'd be glad to talk with you about any ideas you have, so please don't hesitate to call.

Abstract forms:

Paper and poster session abstracts are submitted on the same form. There is a place to indicate your preference for an oral presentation, a poster session, or both. Detailed instructions are included on the form itself.

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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 \$30 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, 1991 issue of the GIS Newsletter should be received by the editors no later than May 20, 1991. If possible please send materials on IBM-compatible disk (Wordstar 3.3, Wordperfect, or ASCII format).

Abstract forms are available from:

Dena Fracolli
3110 McPherson
Ft. Worth, TX 76109
817/923-7052

or from the

GSA Abstracts Coordinator
Geological Society of America
P. O. Box 9140
Boulder, CO 80301
303/447-8850

Symposium:

The 1991 GIS Symposium, "International Initiatives in Geoscience Information--A Global Perspective" will support the GSA theme, "Global Perspectives."

It is appropriate that GIS sponsor a symposium devoted to the important role of geoscience information in supporting international research and global cooperation in the geosciences. The symposium will focus on two main concepts: what opportunities are there to support the global information needs of our own scientists in their world-wide efforts? And, what opportunities are there for sharing geoscience information and its management techniques with those in less developed countries, to help promote their participation in this global effort?

REPRESENTATIVE REPORTS

AGI K-12 Earth Science Education Conference

February 22-23, 1991,
reported by Reggie Brown and Joanne Lerud

On February 22-23, 1991, some 60 scientists and educators attended the American Geological Institute's Member Society K-12 Earth Science Education Conference at the Radisson Mark Plaza Hotel in Alexandria, VA. Reggie Brown and Joanne Lerud represented GIS at the meeting. Nearly half the participants were delegates from their respective societies, while others represented scientific organizations and governmental agencies. Dr. Charles G. Groat, AGI Executive Director, welcomed the group and provided a conference overview. Curriculum and clearinghouse were to be the areas of focus during the meeting. The aim of the conference was to "provide a forum for exchange of information on the education activities underway in the earth sciences, for the formulation of a clearinghouse/network system to institutionalize this exchange, and for broad-based input into the creation of earth-oriented science curriculum materials for grades K-6." Dr. Robert Heller, Dept. of Geology, University of Minnesota-Duluth, gave a brief history of earth science education from the teaching of geology, geography, biology and chemistry in the early 1900's to the rediscovery of science in the 1960's, when Sputnik was launched. The mid-'70s saw a decline in interest in pre-college education. The 1983 reports, A Nation at Risk and Educating Americans for the 21st Century

dramatize the need for improving instructional programs. Dr. Heller pointed out that fewer than 3% of the nation's high school students take earth science courses; fewer than 22% middle schools offer it. Elementary instruction if offered, is often encyclopedic, non-interactive, and non-sequential. Andrew J. Verdon, Jr., Director of Education, AGI, expressed concern that a second decline in geoscience education, like that of 1973-83, could occur. The long-term solution is to awaken young minds and encourage potential scientists. Students need to become scientifically literate members of society, as well as stewards of the Earth.

Representatives from various earth science associations and Federal agencies discussed their outreach programs to youth, their encouragement of science awareness, and recognition of excellence in teaching. AGI plans to issue a report that lists these activities and contact persons. The conference attendees viewed a video, "A Private Universe," and later attended a wine and cheese reception at AGI headquarters in Alexandria.

The next day was devoted to workshops to solicit suggestions for organization and operation of a K-12 earth-science education clearinghouse/network system to collect and disseminate information on education activities. Participants separated into two groups, the first to discuss K-6 earth-oriented science curriculum; the second, clearinghouse/network. The curriculum workshop addressed four issues: what should be taught, how should it be taught, how to determine if outcomes are achieved, and what help does the teacher need? What problems arise in offering earth science instruction in elementary schools? The clearinghouse/networking group began by assessing what is available: summer programs, meetings, new curriculum materials, people networks, and source books. The source book concept was discussed at some length, as currency and scope of material is critical. The group became quite enthusiastic about the possibility of a newsletter that could contain society reports, curriculum outlines, possible experiments or field trips, source materials, people strengths, and in-depth preparation on a topic. Each society would identify the most qualified to do a single newsletter issue, thus spreading the responsibility around throughout the year. Other special features would include information about meetings, opportunities, awards, materials, etc. It was assumed AGI may have the ultimate responsibility of printing, mailing and managing the newsletter.

Cartographic Users Advisory Council Meeting

March 4-6, 1991,
reported by Charlotte Derksen

Michael Noga and I attended the annual meeting of the Cartographic Users Advisory Task Force last week as the GIS representatives. Following are some important dates and news items from the conference that might be

of interest to GIS members. The minutes have not been released as yet.

- A Biannual Survey (with 2 map questions) is due back to GPO by May 15.

- GPO sent out a survey to depositories to find out whether they wanted the USGS Digital Data Series, item no. 621-K, (the CD-ROM series). Survey 91-100 was sent to depository libraries in mid-February. The survey is due on April 10.

- Redistricting after the 1990 Census may create districts which have only one depository library. A library that lost its USGS map depository may be able to regain the depository under these circumstances.

- 50% discounts to academic institutions on USGS publications will be discontinued June 30, 1991.

- Wendy Hassibe is handling all questions that formerly went to Charlie Bennett. Her E-mail address is: WHASSIBE@ISDRES.ISD.USGS.GOV.

- A bill regarding the National Geological Mapping Program will be coming up before the Congress soon; information on dates, committee, and issues will be passed on when available.

- There is a one time distribution of DMA Gazetteers (announced in the 1-30- 91 Admin Notes)

- If you haven't yet received USGS Professional Paper 1200-US (the concise gazetteer of the US) you should claim it; it has been released.

- There are 23 sheets of the Desert Access Guides, which cover the Mojave Desert, planned; 21 sheets have been released. To order, contact the California Desert District Office, 1695 Spruce Street, Riverside, CA 92507. You can call 714/351-6394 to inquire about prices.

- All 15-minute topo stock has been discarded. the last 7.5-minute topographic map has been published; it is Seneca, Oregon.

- The IMW 1:1,000,000 series topographic series has ceased.

- The first 2 disks of the new USGS Digital Data (CD-ROM) series, the NURE database (500,000 records) and the Geologic map of Nevada, will be released soon.

- The Geologic Map Index on the Earth Sciences CD-ROM will be up to date to January 1991 on the next OCLC disk update. The paper edition of the Virginia Geologic Map Index (GMI) is coming out soon. The Florida GMI will be published later. The Arizona GMI is in progress.

- Those of you with patrons interested in climate information might want to order: International Station Meteorological Climate Summary (a CD-ROM product) for \$50. This is available from the National Climatic Data Center, Customer Service, 704/259-0682. They didn't make a lot of these, so order soon.

COMMITTEE REPORTS

Exhibit Committee - 1991 Budget Report
submitted by Margaret Elaine Watson, Chair

<u>Exhibit Booth Display</u>	
Professional Graphics	\$ 400.00
Gratuities	300.00
<u>Other</u>	
Two student registrations	150.00
Rental fees (draped tables, drayage, etc.)	180.00
Shipping/freight	<u>250.00</u>
	1280.00

GeoRef Users Group Steering Committee
submitted by Barbara DeFelice, Chair

GeoRef Core Journal List Update: We need 2 more people to serve on this ad hoc committee to update the list of 103 titles that receive priority indexing in GeoRef. Please contact Barbara DeFelice as soon as possible if you are interested.

Also, we received only one response to the request for ideas about an abridged version of GeoRef on CD-ROM. Please direct any ideas about what such a product should contain, such as limitations on languages included, journals included, etc., to:

Barbara DeFelice
Kresge Library
Dartmouth College
Hanover, NH 03755
phone: (603) 646-3845
e-mail: Barbara.DeFelice@Dartmouth.EDU

Best Geoscience Reference Book Committee
submitted by Barbara Haner, Chair

The Committee needs your input: Have you been using or have you received any new reference books published since 1989 that you have found particularly useful? Would you like to have these considered for the Best Geoscience Reference Book award for 1991?

The committee would very much like to hear from you and to add your suggests to the list they will consider for the 1991 award. If you could send your comments either through the mail or by e-mail to Barbara Haner, University of California, Riverside; e-mail Haner@ucrvms. The deadline for adding them to the list is April 25th (10 days after taxes are due).

We really appreciate your comments and look forward to hearing from you.

Report on the Joint Task Force on Text and Image #1
February 11, 1991
Susan Klimley
Lamont-Doherty Geological Observatory
Columbia University

The Joint Task on Text and Image is a group organized by the Commission on Preservation and Access and funded by the Getty Foundation to develop a comprehensive plan for the preservation of materials in fields utilizing text and image. The establishment of the Task Force is a direct result of the 1988 Spring Hill Conference which focused on the problems of preservation of art history and architectural history and which, by necessity, became interested in the issue of images in those fields. The Joint Task Force on Text and Image has expanded its focus to include other fields characterized by the use of text and image such as anatomy, botany, geography, geology, paleontology and zoology. In the spring of 1990, I was asked to join this group and last fall we had our first meeting.

Chaired by Richard Brilliant, an art historian from Columbia, the group includes librarians, archivists and researchers from museums and academic institutions. Just about everyone is trained in the arts and humanities including the representative from the National Library of Medicine, John Parascandola. In order to broaden representation from other disciplines using text and image, Robert Kiger, a botanist from Hunt Institute for Botanical Documentation and Mark Monmonier from Syracuse's Department of Geography, were brought in to give presentations. At the first meeting of the Task Force in September, I gave a variation on the paper I gave at GeoInfoIV on the use of color images in the earth sciences.

With such a strong component of historians, a large part of the discussions at both the September and January meetings of the Task Force were about struggling with the desire to preserve the original books. Historians put a great deal of stock not only in the information contained within books but also the context in which it is presented. They value this from the point of view of researchers and also as teachers. They are spokespersons not only for artifact preservation of things like newspapers but also for our older scientific works that figure in history of science.

One problem that may have contributed to their concern for the original artifact is that unlike geology, where little microfilming has been done, art history has been the subject of extensive microfilming and it has not been of acceptable quality for the researchers in regard to image preservation. The fact remains, and we were drawn back to this point over and over, that the books are crumbling. Something has to be done. The purpose of the Task Force is to set an agenda and seek funding to try alternatives for image and text preservation.

In an effort to better understand the image requirements of various fields, it was suggested we develop a taxonomy of the various fields utilizing images. This taxonomy would list the characteristics of images in a field and the requirements of the users. For example, under image attributes, the importance of color fidelity, gray scale, and resolution have to be considered. Image distribution is another question. Are the images primarily polychrome? What portion of the literature do the images represent? A consideration I had not thought about was the issue of adjacency. Does the researcher have to be able to see the text and image at the same time? I suggested than an additional consideration in geology, thinking of our oversized maps, is the ability to see the whole image at one time.

I joined the Task Force with a hope of finding a solution to preservation of our image-laden geology literature. Since I have served on the committee, I have tried to keep in mind other areas of science whose image requirements also call for special preservation solutions. I am very interested in comments from you regarding geology's image preservation needs. As the work of the JTFT&I continues, I will keep you informed through the GIS Newsletter.

These comments represent my person reflections on the work of the Joint Task Force on Image and Text.

JOURNAL CANCELLATIONS

The following titles have been canceled by the Indiana University Geology Library in fiscal 1990/91:

Acta Geodaetica Geophysica et Montanistica Hungarica
Acta Geologica Hungarica
Advances in Hydrosience
AMA Product Directory
American Mining Congress Journal
Annales des Mines
Annales Tectonicae
Antarktika
Association for Mexican Cave Studies: Publications
AUSIMM Bulletin and Proceedings
Australian Coal Geology
Australian Mining
Bordeaux Universite Institut de Geologie: Memoires
Bulletin Geodesique
Bulletin (Norges Geologiske undersokelse)
Bulletin Global Volcanism Network
Bulletin on Earth Science
Canadian Geotechnical Journal
Canadian Mining Journal
Canadian Society of Exploration Geophysicists Journal
Ceramic Forum International
Ceramic Source
Chishitsugaku Zasshi (Journal of the Geological Society of Japan)
Coal Preparation

Coastal and Estuarine Sciences (AGU)
 Collection Biostratigraphic du Paleozoique
 Computers and Geotechnics
 Contributions to Vertebrate Evolution
 Corpus Christi Geological Society Annual
 Current Topics in Chinese Science: Section F: Earth Science
 Documents du BRGM (France)
 Eidikai Meletai Epi tes Geologias tes Hellados
 Endeavour: New series
 Energy Exploration and Exploitation
 Engineering Geology Case Histories
 Erdol und Kohle, Erdgas, Petrochemie
 Evolutionary monographs (University of Chicago)
 Exploration and Economics of the Petroleum Industry
 Focus on Global Change
 Folia Quaternaria
 Fossil Cnidaria
 Fuel Science and Technology
 Geodynamique (ORSTOM Cahiers)
 Geoexploration
 Geofizicheskii Zhurnal (English translation)
 Geolog
 Geologica Balcanica
 Geologica Bavarica
 Geologica Ultraiectina
 Geologiia Nefti i Gaza (English translation)
 Geology Today
 Geoscience Journal (India)
 Geotechnical News
 Geotechnique
 Geotektonische Forschungen
 Global Tectonics and Metallogeny
 Hercynica (Societe geologique et mineralogique de Bretagne)
 History of Geophysics
 Hunteria
 Indian Geologist's Association Bulletin
 International Oil Scouts Association Newsletter
 International Volcanological Association
 Journal of Canadian Petroleum Technology
 Journal of Mathematical Biology
 Journal of Petroleum Science
 Journal of Southeast Asian Earth Sciences
 Journal of the Geological Society of Iraq
 Krystalinikum
 Lithology & Mineral Resources
 Marine Geodesy
 Mededelingen van de Werkgroep voor Tertiaire...
 Meyniana
 Mineralogical Record
 Mining Journal
 Mining Magazine
 Mining Science and Technology
 Novye Dannye o Mineralakh SSSR
 Oceanologica Acta
 Oceanology
 Oil and Gas Journal (Microfiche copy)
 Oilfield Review
 Ontario Petroleum Institute Conference Proceedings

Pacific Science Congress Proceedings
 Palaeontographia Italica Memoir
 Palaeontographica Beitrage (Supplements)
 Petroleum Engineer International
 Polar Record
 Powder Diffraction
 Prace Instytutu Geologicznego
 Professional Contributions Colorado School of Mines
 Record (New Zealand Geological Survey)
 Research Report Geophysical and Polar Research Center
 Revue Roumaine de Geologie
 Rock Mechanics
 Rock Products
 Royal Geological Society of Cornwall Transactions
 Sciences Geologiques Memoirs
 Scientific Driller
 Shale Shaker
 Skrifter Norges Geologiske
 Societe Geologique et Mineralogique de Bretagne
 Memoires
 Soil Dynamics and Earthquake Engineering
 South African IMM Journal
 Soviet Geology and Geophysics
 SPE Drilling Engineer
 SPE Production Engineer
 Special Papers Palaeontological Society of Japan
 Soviet Hydrology
 Special Publications UNM Institute of Meteoritics
 Steirische Beitrage zur Hydrogeologie
 Stereo-Atlas of Ostracod shells
 Structure Reports/Section A
 Tektonika i stratigrafiia
 Tertiary Research
 Tertiary Research Special Papers
 Textures and Microstructures
 Theoretical and Applied Fracture Mechanics
 Ti Chen Hsueh Pao (Acta Seismologica Sinica)
 Ti Chih Hsueh Pao (Acta Geologica Sinica)
 Tidal Gravity Corrections
 Transactions IMM London
 Travaux Geophysiques
 Trends and Perspectives
 Ugol
 Instituto de Geologia Revista (Univ. Mexico)
 Volcanology and Seismology
 Zeitschrift fuer Angewandte Geologie
 Zeitschrift fuer Kristallographie

PUBLICATIONS

A book of cartoons, Crystal quest, by Marcel Vanek, is a light-hearted look at the world of mineral collecting. It sells for \$9.95 (ISBN -945005-05-9) from:

Geoscience Press, Inc.
 1339 61st Street
 Emeryville, CA 94608

ANNOUNCEMENTS

AGI names New Director of Special Programs

Marilyn J. Suiter has been named Director of Special Programs of the American Geological Institute, effective February 1, 1991. Her main responsibilities will be to continue to interact with underrepresented populations in geoscience, including ethnic minorities and women, and to help develop AGI's advocacy program, which will increase communication with legislators and policy-makers as a service to the geosciences community.

New USGS Arctic database

A new Arctic database has been developed by the U.S. Geological Survey. This new system, "Arctic Data Interactive" (ADI) uses CD-ROM technology and a hypertext user interface; it contains bibliographic information, Arctic datasets, and dataset documentation. The table of contents provides access to full text reports with pictures, maps, and datasets, and searches can be done by keywords (Boolean), color pictures, and hyper KRS search card. The software in Macintosh Hypercard (or Toolbook for the PC), hyper KRS, and Macromind Directory. Every word is indexed using Hypercard, and the disks are updated twice a year.

Australian Meeting - Call for Papers

The National Conference on the Management of Geoscience Information and Data will be held in Adelaide, Australia, July 22-26, 1991. The Conference will cover all aspects of the generation, processing, control, manipulation, storage, retrieval and output forms of mineral and petroleum data and information. Papers and presentations covering the developments, methods, problems and systems in the context of the geosciences are welcome. For further information, please contact

Dr. Geoff Hudson or Mr. Des Tellis
Australian Mineral Foundation
63 Conyngham Street
Glenside South Australia 5065
Telephone: 08-379-0444
Facsimile: 08-379-4634

Submitting data sets to the ESDD

Well logs. Seismic lines. Endangered plants and animals. Bibliographies. Magnetic and gravity surveys. These are examples of the kinds of data sets included in the USGS's Earth Science Data Directory (ESDD).

But how well is **your** organization or **your** area represented? Get those data sets in there!

For more information, contact:

C. R. Baskin
U.S. Geological Survey
801 National Center
Reston, VA 22092

JOB ANNOUNCEMENT

TECHNICAL LIBRARIAN, U.S. Nuclear Regulatory Commission, Washington, D.C.

The U.S. Nuclear Regulatory Commission is seeking a Technical Librarian (GG-12/13, \$37,294 P/A and up) for Automated Systems Management in its Public Document Room (PDR) in Washington, DC (VA# 90-7256-WF). Responsible for on-going automation of informational/library/records management services and integration of the PDR system with other databases and informational systems.

Applicant must have a Master's degree in Library Science or equivalent experience that demonstrates broad knowledge of the principles, concepts, and methodologies of modern library and records management sciences. Must have experience with computers and the design and implementation of sophisticated, on-line, interactive information/library/records systems and with the storage and retrieval of document or textual information.

Send complete federal application (SF-171) and current performance appraisal to Ms. Jackson, U.S. Nuclear Regulatory Commission, Office of Personnel, (GISN)-15G21, Washington, DC 20555, or call 301/492-1522.

U.S. citizenship required. EOE M/F/H/V. OPM status not required.

MEMBERS IN THE NEWS

ROSALIND WALCOTT began a new job in February, 1991, as Coordinator of Collection Development for Reference in the Main Library at SUNY Stony Brook. Her sixteen years of service to the Earth and Space Sciences Library were recognized by the presentation of a plaque by the Earth and Space Sciences Department on 15 February. Her new job will involve selection of reference materials in the sciences and technologies, working on the Reference desk approximately 10 hours per week, writing and updating a collection development policy for the Reference collection, and, of course, continuing to select all materials in geoscience, astronomy, meteorology and climatology, as well as being an active member of GIS.

She will also be involved in the bibliographic instruction program at Stony Brook and will coordinate all collection development activities in the Reference Department. Rosalind's new address and telephone number are

Main Library - Reference Department
State University of New York at Stony Brook
Stony Brook, New York 11794-3331
516-632-7110

THE HIGH PLAINS DRIFTER

The High Plains Drifter journeyed to Grand Forks, North Dakota, a short time ago and was amazed to find that one did not need a coat, hat, mittens, and scarf on the 4th of March. It was a rare fine day. Snow banks were still in existence as evidence one was in the North. A visit to the Geology Library, now named in honor of F. D. Holland, Jr., showed a whole new upper floor among other changes. The Library had been "double-decked" using shelving below that provided the support for the upper floor. It was cheerful, functional, attractive, and efficient. There's more--IT WAS SECONDHAND!

Another building on the University of North Dakota campus was being remodelled and this shelving was no longer needed there. This building had housed the Library Science programs which probably indicates that superior planning had gone into the purchase of this shelving years and years ago (editorial comment). The shelving was taken apart, adjusted to fit, painted, and erected for a fraction of "new space" cost. For those of you who are rushing right out to look into this, I do not know if this sort of shelving is still being manufactured today. This whole endeavor also points up the old adage, "One

man's junk is another man's treasure." (I can't help it if that is a sexist statement. Old adages generally are.)

HPD proceeded over to the main Chester Fritz Library and had to ask for directions twice in order to exit the building. BLUSH! Next time I'll take bread-crumbs-- o.k., ok.-- pebbles are a better idea.

THE GLACIAL DRIFTER

CD-ROM disks are proliferating in our libraries. It's time to imagine some useful applications. How about putting all your reserve readings on a compact disk? No more checking the same sample exam or this-will-be-on-the-test article in and out. Just direct the students to the CD-ROM station and let them look up the readings themselves. Of course, you would need quarterly or semester updates, but that's nothing new. And you could even put the disks on a network-- then the students could access the disk from another place, at their own strange hours.

Just a thought during the week before Finals.

Connie Manson, Co-Editor
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