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PRESIDENT'S COLUMN

The August issue is always devoted to the upcoming GSA/GIS Meeting. VP Nancy Blair has brought together a program which truly echoes the meeting theme, Bridging the Gulf, by looking at "Managing Geoscience Information in the Next Decade: Archiving, Access and Outreach". It is particularly relevant as in the past month I have returned a questionnaire to AGI who are developing a strategic planning document and new management jargon such as reengineering - strategic clustering becomes part of everyday language. The goals and organization of our society will not change, but I am asking all officers and committee chairs to review their committee descriptions so that our society has effective documentation for the future reflecting our commitment to communication and cooperation among geoscience information professionals, and a forum for the exchange of ideas and new geoscience information. In the past five years, as a society, we have utilized electronic access to create an effective listserv - Geonet-L and now a Web Homepage. Already our Web page has the Table of Contents from the 24th and 25th Proceedings and we will be using this new media for outreach. Please watch this site as our program agenda moves from preliminary to definitive.

1995 Executive Board Meeting: All Committee chairs or their designated representatives and new officers are asked to attend the 1995 Executive Board Meeting, Sunday, November 5, from 9 am until 12 noon in the Hyatt Regency Elmwood Room. Any member who would like to attend is very welcome.

GIS Annual Meeting: Last year the Annual Business Meeting was able to move swiftly because only updates to officers' and committee chairs' Annual Reports were presented at the meeting. This practice will continue in 1995. Annual Reports should be sent to Connie Manson and myself by September 15 to be printed in the October 1995 Newsletter. Old and new business considered by the Executive Board will be discussed first. If you wish to place items on the agenda for either of these two meetings, please contact me at 310/825-1055 or by e-mail at ecz5beh@mvs.oac.ucla.edu. Looking forward to seeing 'you all' in New Orleans.

**GEOSCIENCE INFORMATION SOCIETY
Annual Business Meeting Preliminary Agenda
Monday, November 6, 1995, 8:30 - 11:30 am
Cabildo B, Hyatt Regency**

1. Approval of minutes from the 1994 Business Meeting as published in the December 1994 GIS Newsletter
2. Introduction of new officers, new members and visitors
3. Updates and questions on officers', representatives', and committees' Annual Reports as published in the October 1995 GIS Newsletter
4. Pacific and Canadian sections' reports
5. Old business
6. New business
7. Announcements
8. Adjournment

GIS ELECTION RESULTS

The 1995 GIS Nominating Committee announces the following results of the election: **Barbara DeFelice** has been elected Vice- President/President-Elect, and **Sally Scott** has been elected as Treasurer. Congratulations to Barbara and Sally. Thanks also go to Nan Butkovich and Linda Musser for their willingness to run for GIS office.

GEOSCIENCE INFORMATION SOCIETY
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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. Due to current vacancies, all materials--research articles, technical reports, information reports, officer and committee reports, publication notices, job announcements, and other news items--should be sent to the Newsletter Editor until further notice.

Material for the October, 1995 issue of the GIS Newsletter should be received no later than September 20, 1995. If possible please send materials by e-mail or on IBM-compatible disk (Wordstar 3.3, Wordperfect 5.1, or ASCII format).

GEOSCIENCE INFORMATION SOCIETY
Annual Meeting Preliminary Schedule
November 5-8, 1995

Sunday, November 5, 1995

- 9:00 am - noon GIS 1995 Executive Board Meeting (Open to members): Hyatt Regency New Orleans Room:
Elmwood
3:00 pm - 5:00 pm GIS Digital Database Forum: Hyatt Regency New Orleans Room: Regency C

Monday, November 6, 1995

- 8:30 am - 11:30 am GIS Annual business meeting: Hyatt Regency New Orleans Room: Cabildo B
2:00 pm - 4 pm GIS Professional issues: Hyatt Regency New Orleans Room: Cabildo B
4:15 pm - 5:30 pm Georef Users Group: Hyatt Regency New Orleans Room: Cabildo B
7:00 pm - 9:00 pm GIS Reception (Alumni Night): Hyatt Regency New Orleans Room: Burgundy C

Tuesday, November 7, 1995

- 8:00 am - 11:00 am GIS Symposium: Crossing the bridge to the future: Managing geoscience information in the next
decade: Convention Center
12:00 pm - 2:00 pm GIS Luncheon and Awards: Hyatt Regency New Orleans Room: Esplanade C
3:30 pm - 5:30 pm GIS Technical Session: Information Technology and Services in the Geosciences: Convention Center

Wednesday, November 8, 1995

- 8:00 - 12:00 noon GIS Poster Session: Convention Center
9:00 am - 10:30 am GIS Collection Development Issues: Hyatt Regency New Orleans Room: Prytaniia
2:00 pm - 6:00 pm GIS 1996 Executive Board Meeting (Closing) Officers only Hyatt Regency New Orleans Room:
Ashland

VICE PRESIDENT'S COLUMN

Many organizations are undergoing downsizings, layoffs, mass firings, or the government's term "RIF" for "Reduction-in-Force". The historically secure U.S. Geological Survey is not an exemption among federal organizations. RIF is a complicated procedure set by Congress which includes separations, downgrades to other positions and automatic reassignments to other positions depending on classification status. August 14th was RIF day for the USGS Geologic Division when about 500 of a total of about 2200 employees nationwide were "separated" and about 250 others "bumped" or "retreated" into other positions.

Parallel with the RIF, the USGS Geologic Division is undergoing a process variously described by other organizations as reorganization, redesign, reinventing, renewing or what the division calls "restructuring". The old organization charts are now redrawn with the little boxes for offices and branches replaced by boxes with program names indicating new roles and new lines of authority for everyone. The new structure is to go into operation on the first day of the new fiscal year, October 1, 1995.

The traditional USGS series of publications will be profoundly affected by the changes within the USGS and no one can predict inside or outside the agency how the geoscience information community will be affected. Certainly improved outreach to the public, cooperation

with other state and federal agencies, and the flow of information will be goals within the new framework.

GEOSCIENCE INFORMATION SOCIETY
Symposium: Crossing the bridge to the future:
Managing geoscience information in the next decade
Tuesday, November 7, 1995, 8:00 am - 11:00 am

Nancy Blair and Connie Manson, presiding

The geoscience information professional in the brave new information world

LERUD, Joanne V., Arthur Lakes Library, Colorado
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The next decade of the geoscience information world will continue to experience transformational change at an accelerating rate. Information professionals will experience personal and professional growth as they deal with changing workplaces, impacts of technology, new approaches and demands for research and information gathering, and the reality of the availability of resources. The geoscience information professional will focus on products rather than processes, will break with old traditions and patterns of thought, will use information technology creatively, will create new partnerships, and will ultimately evolve new staffing patterns, organizational structures, and staffing expectations appropriate for the task. The geoscience information professional's preparation will require subject

expertise, knowledge of the information profession, communication skills, and a practicum, mentorship or experience for enhancement of judgment and ethical considerations so necessary in the changing information environment.

Digital preservation: The promise vs. the reality

KLIMLEY, Susan, Science and Engineering Libraries, Columbia University, New York, NY 10027

Like all books produced during the "brittle paper period" (1850-present), books on geology are in an advanced state of deterioration. Unlike books in many areas of human knowledge, where systematic microfilming efforts have been made, preservation in geology has been much more limited. Maps and other illustrations that accompany geology text frequently utilize color coding and/or oversized formats which are not adequately captured on the small frames of black and white microfilm. Some projects have concentrated on individual preservation of volumes and making photocopies which include copying color maps. However these efforts do not solve the problem of producing replacement copies that could be widely and inexpensively distributed throughout libraries.

Recent experiments using digital scanning as a preservation technique in geology have produced significantly improved options but at costs substantially greater than that of preserving plain text. Having finally identified a technology that seems to serve the needs of the geology community, it now appears that we may not be able to afford it. Up to this point, librarians have insisted that the oversized images are an integral part of geology literature preservation. Is it time to consider a "triage" situation and make preservation decisions, unappealing intellectually, in order that a more substantial, if incomplete, part of the literature is saved?

Stocking the digital library with georeferenced data

HILL, Linda L., University of Maryland, Universities Space Research Association, Goddard Space Flight Center, Greenbelt, MD 20771

There are many issues involved in getting georeferenced information represented and available in digital libraries. The first is the implications of new metadata standards, in particular, the Content Data Standard for Digital Geospatial Metadata created by the Federal Geographic Data Committee and the developing GEO attribute set for the Z30.50 protocol. The second issue is what is needed to bridge the gap between geospatial data and georeferenced information found in the text, i.e., the gap between the place name and the latitude/longitude coordinate representation. The third issue is the granularity of the representation of georeferenced data and the specificity required by users who need geospatial data and information for research and problem solving activities. These

issues will be related to the roles of creators, system designers, librarians, and users of Internet-based discovery tools.

GIS on the information super highway (Internet)

LEVINE, Norman S., Department of Earth and Atm. Sci., Purdue University, W. Laf., IN 47906; KUMAR, Navulur, C.S.; ENGEL, Bernard, A., Dept. of Ag. Eng., Purdue University, W.Laf. IN 47906

Presenter: Norman S. Levine

The twentieth century has marked the advent of the Information Age. Internet, a wide network of computers, has facilitated the accessing and sharing of information across the globe. The World Wide Web (WWW) is a protocol on the Internet that allows hypermedia information retrieval across the network. Purdue University has developed a WWW-based system which facilitates the exchange and dissemination of geographic and geologic information. Geographic Information Systems (GIS) are being widely employed for diversified applications in resources management, geology, and other fields.

GIS data using GRASS (Geographic Resources Analysis Supporting System), a raster-based GIS software, has been made accessible on the Internet. The web server allows users anywhere on the Internet to manipulate and display the GIS data layers of interest. Additionally, the server supports water resources data for the State of Indiana, maintaining a list of water professionals across the State. The accessibility of GIS on the Internet opens a wide area of information transfer and will enable users to access and share data for various applications.

Geographic information systems (GIS) activities and GIS data on the Internet in the earth sciences

ROUMANI-DENN, Vivienne R. University of California, Berkeley, 230 McCone Hall, Berkeley, CA 94720

Geographic Information Systems (GIS) is a technology used in many disciplines. It incorporates hardware and software for collection, storage, manipulation, access, planning and analysis of data in terms of spatial location. Studies have shown that scientists in many fields spend half their time gathering data which are difficult and expensive to collect. Hence it is crucial to know which data exist, and where. This paper will describe selected GIS activities in the earth sciences, and Internet locations of GIS data of interest to earth scientists.

Evaluating net sources for the geoscientist

O'DONNELL, Jim, Geology and Planetary Science Library, California Institute of Technology, Pasadena, CA 91125; DERKSEN, Charlotte R. M., Branner Earth Sciences Library and Map Collection, Stanford University, Stanford, CA 94305

Presenter: Derksen, Charlotte R. M.

New resources for geoscientists appear on the net hourly --the metaphor would be a landslide, as opposed to a glacier. The variety of subjects, the types of information, and the depth of coverage is as impressive as the pace of expansion. Furthermore, geoscientists can now access online resources from national societies and agencies at low or no cost, resources which once had to be purchased outright. The bounty, however, begs the question: what are the really useful sources for the individual researcher?

The authors evaluate and recommend net sources for paleontologists, geophysicists, geohydrologists, geochemists, petrologists, petroleum geologists and stratigraphers. Evaluations are formed around a set of standard criteria: stability, use-friendliness, longevity, data quality, currency, and source dependability.

GEOSCIENCE INFORMATION SOCIETY Technical Session: Information Technology and Services in the Geosciences

Tuesday, November 7, 1995, 3:30 pm - 5:30 pm
Convention Center

Linda Newman and Carolyn J. Laffoon, presiding

Speakers in order of presentation:

The climate of women in the earth sciences: Chilly or warm?

MACFARLANE, Allison, Department of Geography & Earth Systems Science, George Mason University, Fairfax VA 22030, and LUZZADER-BEACH, Sheryl, Department of Geography & Earth Systems Science, George Mason University, Fairfax VA 33040.

Presenter: MacFarlane, Allison

In the recent substantial discussion of the status of women in science, very little has been said about the standing of women geoscientists. Of note are two short pieces in *Eos* and a few historical accounts of women earth scientists. In general, the focus tends to be on the Big Four sciences: physics, mathematics, chemistry, and biology, while the earth sciences are often ignored. To address this gap, we conducted a survey of women earth scientists and collected data on earth science departments from the American Geological Institute directory.

Our data intends to address the larger questions of which pathways lead women into the geosciences, how women have contributed to the earth sciences, does their work focus in certain research areas, do they pursue a more integrative approach to their research, and how does their teaching impact their research? Our analysis was conducted by a survey sent to 276 women members of the association of Women Geoscientists, of whom 120 responded. We received responses from a good distribution of women academics, of which 36% were at the assistant professor level, 26% at the associate professor level, and 19% at the full professor level. Thirty-eight percent of the respondents were tenured, while 36% were on the tenure track.

The survey data show that women were attracted to the earth sciences by the interdisciplinary nature of the work and by an interest in nature. The younger women (at the assistant professor level) were also influenced by mentors and an interest in science, whereas the full professors did not indicate that they were influenced by either of the above. This suggests that earth science has become more accessible to the younger generation. This is not to say that our respondents were not frustrated with their work. Most complained of a lack of time for research and stiff competition for funding. Many of our respondents were in dual career couples (at least 80%) and about 50% were in partnerships with other earth scientists. More than 60% of the respondents in a dual career couple reported affects on their career from their couple status, and of these effects 73% were negative.

Issues of information delivery in geoscience libraries

CLEMENT, Elaine, Kresge Physical Science Library, Dartmouth College, Hanover, NH 03755

Delivering information to researchers in the geosciences has become a complex process. Budgetary restraints have made it necessary for library collections to reassess issues of ownership at the same time that more sophisticated technology has made much more information available on demand.

Librarians may choose to utilize traditional consortial agreements such as through interlibrary loan, purchase material through commercial suppliers, provide researchers with access to databases via the Internet, or make available Geographic Information Systems (GIS) which allow researchers to set their own parameters.

This paper will explore some of the positive and negative aspects of the choices available. Results of research conducted in the areas of utilizing commercial document suppliers, increasing efficiency in interlibrary loan, providing information available via the Internet, and preparing for the installation of a GIS laboratory in a library setting will be presented.

Defining geoscience journal value: The role of unbound use

CAREY, Patricia L., University of Washington Libraries, Box 352900, Seattle, WA 98195; HILLER, Steven Z., University of Washington Libraries, Box 352900, Seattle, WA 98195.

Presenter: Hiller, Steven Z.

Several recent studies have reviewed different methods of measuring geoscience journal use in academic libraries in an effort to determine journal value. Use categories have included check-outs, in-library use, citations by graduate students and faculty, and journals in which these groups publish. Other studies have established a cost-per-use based on journal price divided by various use parameters.

This paper examines unbound issue use as an important component in determining journal value. While this information may be more elusive to capture, it is essential to include in ongoing journal evaluation and serial cancellations. Data for this study were collected during the 1993-94 academic year on unbound geoscience journals held at the University of Washington Libraries. This survey provided data on actual use as well as type of use. Results indicated that browsing tables of contents within the library accounted for a significant proportion of unbound journal use. The type of unbound use also varies according to the nature of the journal.

Proceedings published in geoscience journals: Occurrence and use

NOGA, Michael M., MIT Science Library, 14S-134, Cambridge, MA 02139-4307

The value of conference proceedings is a perennial point of contention. Previous studies of conference proceedings from different disciplines have come to opposite conclusions regarding their worth. As the price of other forms of scientific literature has increased, libraries have had to reduce their acquisition of monographic proceedings. As a result, a greater percentage of their proceedings collections come from those that are received automatically, either in series on standing order or in journals. This study examines the less-studied format, proceedings published in journals. Proceedings are identified in several geoscience journals. Their use is measured with citation analysis. Their citation frequency is compared to that of other articles in the same journals, articles in some monographic proceedings published during the same time period, and proceedings papers published in journal supplements. Also, the relative frequency of citation to these groups is measured from the bibliographies of faculty publications. The results show whether conference papers in journals are used to the same extent as regular journal articles or whether they fit expectations of lower use of proceedings papers.

Return of the Spiderwoman, or librarians meet the web

MUSSER, Linda R., Earth and Mineral Sciences Library, The Pennsylvania State University, 105 Deike Building, University Park, PA 16802

Geoscience information abounds on the Internet and nowhere is it more plentiful than on the World Wide Web, whose format allows for combinations of text, graphics, color, video and sound. New Web sites are popping out faster than cobwebs in a country home and anyone ambitious enough to try to provide pointers to all relevant sites in a particular field faces a daunting task. This is the situation which faced one Web-builder who enlisted the aid of a pair of seasoned information organizers, otherwise known as librarians, to help in organizing his collection of interesting Web sites.

While this particular Web-builder was keeping up fairly well with the flood of new Web sites, the tidiness of his homepage was beginning to suffer. What he needed was a Web makeover! This dynamic duo examined his collection, made various recommendations (discard a few odd-ball sites, add a bunch of others, etc.), and in the end, developed an entirely new organization for his homepage. The process by which happiness and harmony were restored will be examined.

Internet (WWW) home page design to improve dissemination of geoscience information

HALLMARK, Julie, Graduate School of Library and Information The University of Texas at Austin, Austin TX 78712; GUGLIELMO, Giovanni, Jr., MASTERSON, Amanda R., and WHITE, W. Gerald, Bureau of Economic Geology, The University of Texas at Austin, Austin, TX 78713

Presenter: Hallmark, Julie

Electronic home pages on the Internet's World Wide Web offer an unprecedented opportunity to revolutionize the distribution of and access to geoscience information. Designing these pages, however, can be a challenging task. Among issues to be considered are the rationale for creating a home page, problems connected with construction and maintenance of the page and its links, appropriate content, and the interests and information needs of the target audience. The home page designer must also take into account aesthetics and functionality, accessibility to users of different platforms (Macintosh, UNIX, etc.), quality assurance, and legal and ethical issues such as copyright, confidentiality, and liability.

In our online demonstration we will use examples of home pages from geoscience organizations to address these issues and to show how simple but effective home pages can improve the quality and dissemination of geoscience research and products worldwide. We will discuss the effect of home pages on the local work environment and utilization of human resources within an organization.

Our handouts will show the Internet addresses of some well-designed pages that session attendees may wish to consult.

**GEOSCIENCE INFORMATION SOCIETY
1995 Poster Session**

Wednesday, November 8, 1995 8:00 - 12:00 noon
Convention Center

GEONAMES and GNULEX--Databases of the stratigraphic nomenclature of the United States

STARRATT, Scott W., and LECOMPTE, J. R., Geologic Names Unit, U.S. Geological Survey, MS 959, 345 Middlefield Road, Menlo Park, CA 94025

Presenter: LeCompte, J. R.

For more than ninety years, the U.S. Geological Survey has maintained a file of the stratigraphic nomenclature of the United States and its possessions. The computerization of this information has been in progress for at least 20 years. This information has recently been released in CD-ROM format.

Two databases have been produced. GEONAMES is an abridged database of all of the stratigraphic units in the U.S. and its possessions. Information on each unit includes the unit name (Santa Margarita), the rank (Formation, Sandstone), the age (middle and late Miocene), and the State in which the unit is located (CA). Additional information may include the lithology and the basin in which the unit is located. Multiple entries in each category under the unit name are possible. Searches may be made using any of these categories.

In addition to the information contained in GEONAMES, the GNULEX database contains more detailed information including location of type (area, locality, section), principal reference (area, locality, section), geologic province, unit thickness, stratigraphic relations (with overlying and underlying units) and method of unit age determination (isotopic or biostratigraphic). The chief drawback to the GNULEX database is that it is incomplete. At present, only about one-third of the units currently named in the western U.S. have been included in it. Progress toward the completion of this database is hampered by insufficient resources for this time- and manpower-intensive project.

Both these databases have been incorporated as part of the Digital Data Series (DDS-6). The minimum system requirements to use these databases with the software provided on the CD-ROM are as follows: IBM or compatible computer, 640 kb RAM, DOS version 4.01 or later, CD-ROM drive with ISO 9660 software driver, Microsoft MSCDEX version 2.1 or later, hard disk drive, and EGA/VGA color system.

A system for monitoring shoreline change with GIS: Sunken Meadow Spit, Wellfleet Bay Wildlife Sanctuary, Cape Cod, Massachusetts

WEMMELMANN, Eric O., and WIEGARDT, Scott R. M. S., Geo-Information Science Program, Department of Geography, Salem State College, 352 Lafayette St. Salem, MA 01970

Presenter: Wiegardt, Scott R.

Barrier beach and dune systems provide storm protection and flood control for low lying coastal areas, as well as habitat for a variety of flora and fauna. Human activity and development can adversely affect the natural processes of the barrier island system. Sunken Meadow Spit is a typical barrier beach complex located on the northwestern interior shore of the upper Cape Cod peninsula. Its monitoring has been identified as a management priority because of the influence of anthropogenic forces.

Mathematics, statistics and spatial analysis are essential in monitoring rates of shoreline change over time and problem solving for the defense of areas similar to Sunken Meadow Spit. Geographic analysis software for the personal computer possess these capabilities and are extremely affordable.

The presentation will describe the development of a methodology for the collection and integration of beach profile data into a Geographic Information System for analysis. This will include the establishment of a baseline survey network for field data collection, construction of a spatial database, and the linkage and retrieval of collected profile data into the GIS. A demonstration of database query, spatial analytical and display functions will be featured.

The system will allow Sunken Meadow Spit to be routinely monitored. Data can be consistently acquired and used to examine the extent and causes of shoreline change. The result will be a tool beneficial in the preservation and protection of this barrier beach system.

**GEOSCIENCE INFORMATION SOCIETY
Mid-Year Reports**

Representatives

AGI Environmental Advisory Committee

The AGI Environmental Advisory Committee continues to make significant progress. The last meeting was held July 21, 1995 and a series of high priority tasks determined. They are:

Project	Status
Introductory Environmental Textbook	In Progress
Environmental Awareness Series	
Primer Hydrogeology	Completed; In
Distribution	
Petroleum Booklet	In Progress
Mining Booklet	In Progress
Soils and Society	In Planning
Health and the Environment	In Planning
Primer Water Quality	In Discussion
Ecology	On Hold
Hydrogeology Glossary	Reassessment
Nature's Potential Toxins	In Planning
How Contaminants Move	In Planning
Environmental Geoscience Directory	In Planning

Society and Agency reports were given; EPA scope and activities were also discussed. Future projects may include an advanced hydrology text, an AGI Environmental Staff person, and various workshops and seminars. Addition of several new members ensures excellent representation for the AGI Member Societies and pertinent federal as well as other agencies.

Respectfully submitted,

Joanne V. Lerud, GIS Representative

REVIEWS

by

Linda Musser

* "Gathering Geoscience Information" is the theme of the June 1995 issue of *Geotimes*. One of the articles, 'Developing the National Geologic Map Database' (by David Soller and Thomas Berg, p. 16-18), makes a case for the need for such a database and requests input from experts in this area. An area for comments on the USGS home page is planned. VIVIENNE ROUMANI-DENN's article, 'Navigating the Net,' p. 13-15 includes descriptions of web searching and of the GIS home page * JULIA and DON TRIPLEHORN's article on the great books of geology (*Journal of Geological Education*, v. 41,

p. 260- 261) is referenced by that journal's editor, James Shea, who recommends two additional titles for the list (*Journal of Geological Education*, v. 43, no. 3, p. 201).

* **BARBARA DEFELICE** is editor of 'Science and Engineering Conference Proceedings: A Guide to Sources for Identification and Verification' (ACRL, 1995; 84 p.).

* "Marine Science Journal and Serials: An Update" by Judith B. Barnett (*Science & Technology Libraries*, v. 15, no. 1, p. 3-22) is an annotated bibliography updating a similar article from 1986.

* "An Approach to the Evaluation of Ready Reference Collections" by Juleigh M. Clark and Karen Cary (*Reference Services Review*, v. 23, no. 1, p. 39-44) describes the process by which a reference collection can be weeded down to be lean and mean.

* Lydia A. Morrow reports that the average time to review a duplicates list was 30 minutes in "The Duplicate Exchange Union: Is It Still Viable?" (*Technical Services Quarterly*, v. 12, no. 1, p. 43-48). Other data are included.

* The August issue of *Scientific American* (v. 273, no. 2, (August 1995), p. 92-99.) has a very interesting article about how Third World science fails to get disseminated into the mainstream: "Lost Science in the Third World," by W. Wayt Gibbs

New books:

* 'The Library Manager's Deskbook: 102 Expert Solutions to 101 Common Dilemmas' ALA, 1995. 270 p.

* 'Outsourcing Cataloging, Authority Work, and Physical Processing: A Checklist of Considerations' ALA, 1995. 40 p.

* 'Silicon Snake Oil: Second Thoughts on the Information Highway' Doubleday, 1995. 247 p.

* 'The Myth of the Electronic Library: Librarianship and Social Change in America' Greenwood, 1994. 224 p.

Reviews of Reference Sources: "Encyclopedia of Earth System Science"

- Booklist, v. 88, no. 14, (March 15, 1992), p. 1400-1402.

- Library Journal, v. 117, no. 3 (Feb. 15, 1992), p. 156.

- Nature, v. 356, no. 6369, (April 9, 1992), p. 486.

- Choice, v. 29, no. 11-12, (July 1992), p. 1654.

- Palaeogeography, Palaeoclimatology, Palaeoecology, v. 95, no. 1/2 (Aug. 1992), p. 172.

- Bulletin of the American Meteorological Society, v. 74, no. 2 (Feb. 1993), p. 247-8.

- Earth-Science Reviews, v. 34, no. 1 (March 1993), p. 64-65.

And how about this for an interesting quote: "The toll imposed at the gateway to information superhighways is much too high. We already have great difficulty using the data available to us on the information byways. The mind is to be cultivated and irrigated, not flooded." (1995; Jacques Yves Cousteau)

Geoscience Information Society
 Geoscience Information Society - FINANCIAL REPORT
 Jan 1995--Jun 1995 (SECOND QUARTER)

	Income Budgeted	INCOME Actual	Expenses Budgeted	EXPENSES Actual
	-----	-----	-----	-----
EXECUTIVE BOARD (Subtotal)	-	-	(\$2,595.00)	(\$389.30)
President	-	-	(\$450.00)	(\$39.60)
Vice-President	-	-	(\$590.00)	-
Past President	-	-	-	-
Secretary	-	-	(\$505.00)	(\$202.92)
Treasurer	-	-	(\$600.00)	(\$12.53)
Teleconferences	-	-	(\$450.00)	(\$134.25)
MEETINGS (Subtotal)	-	-	\$3,865.00	(\$1,224.13)
1995 Meeting	-	-	(\$475.00)	-
1995 Meeting : Exhibits	-	-	(\$1,965.00)	-
1995 Meeting : Field Trip	-	-	-	-
1994 Meeting	-	-	(\$1,225.00)	(\$1,224.13)
1994 Meeting : Exhibits	-	-	(\$200.00)	-
1994 Meeting : Field Trip	-	-	-	-
DUES (Subtotal)	\$10,450.00	\$9,665.00	-	-
Corporate	\$2,800.00	\$2,550.00	-	-
Corporate, Sustaining	-	\$200.00	-	-
Personal	\$7,380.00	\$6,280.00	-	-
Personal, Sustaining	-	\$300.00	-	-
Retired	\$180.00	\$225.00	-	-
Student	\$90.00	\$110.00	-	-
PUBLICATIONS (Subtotal)	\$6,165.00	\$1,602.95	(\$8,575.00)	(\$1,020.84)
Publications Manager	-	-	(\$1,425.00)	-
Dir of Geoscience Libraries	\$1,000.00	\$350.00	-	-
Mailing Labels	\$200.00	\$155.00	-	-
Membership Directory	-	-	(\$1,200.00)	-
Newsletter : Printing	-	-	(\$2,345.00)	(\$789.39)
Newsletter : Mailing	-	-	(\$1,155.00)	(\$231.45)
Newsletter Subscriptions	\$1,200.00	\$500.00	-	-
Proceedings, V25 (1994)	\$1,250.00	-	(\$2,450.00)	-
Proceedings, V24 (1993)	\$1,750.00	\$495.00	-	-
Proceedings, V23 (1992)	\$500.00	\$62.95	-	-
Proceedings, V22 (1991)	\$165.00	-	-	-
Proceedings, V21 (1990)	\$100.00	\$40.00	-	-
Proceedings, V20 (1989)	-	-	-	-
Representatives/Appointees (Subtotal)	-	-	(\$900.00)	(\$238.81)
AGI Member Council Rep	-	-	(\$400.00)	(\$238.81)
AGI Govt Affairs Program Rep	-	-	-	-
CUAC	-	-	(\$400.00)	-
Publicity Manager	-	-	(\$100.00)	-
Publications Manager (see PUBLICATIONS section)	-	-	-	-
COMMITTEES (Subtotal)	-	-	(\$1,715.00)	-
Ad Hoc: 5th ed, Dir Geo Libs	-	-	(\$750.00)	-
Archives	-	-	(\$50.00)	-
Best Paper	-	-	(\$75.00)	-
Best Reference Work	-	-	(\$65.00)	-
Collection Development	-	-	(\$100.00)	-

Digital Data	-	-	-	-
Educational Initiatives	-	-	(\$50.00)	-
Geonet-L Adv Board	-	-	-	-
GeoRef Users	-	-	(\$50.00)	-
Guidebook	-	-	(\$50.00)	-
International Issues	-	-	(\$50.00)	-
Membership	-	-	(\$250.00)	-
Nominating	-	-	(\$175.00)	-
Publications	-	-	(\$50.00)	-
AGI SOCIETY DUES	-	-	(\$750.00)	(\$88.00)
GIFTS (Unrestricted)	\$150.00	\$165.00	-	-
BANK CHARGES	-	-	(\$50.00)	(\$6.00)
INTEREST	\$450.00	\$337.78	-	-

OPERATING INCOME & EXPENSES	\$17,215.00	\$11,770.73	(\$18,450.00)	(\$2,967.08)
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SPECIAL FUNDS

Ansari Fund (est. 1994)	\$50.00	\$29.05	(\$500.00)	-
Bristol Fund	-	\$3.67	-	-
GeoInfo Fund (est. 1982)	-	\$28.95	-	-

TOTAL INCOME & EXPENSES	\$17,265.00	\$11,832.40	(\$18,950.00)	(\$2,967.08)
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Opening Balance (1/1/95) GRAND TOTAL: \$33,072.20

CHECKING

BA: Bank of America	\$20,393.31
TX: BankOne, Texas	\$7,346.30

SAVINGS

Ansari (BA)	\$4,590.02
Bristol (BA)	\$742.57

TOTAL	\$27,739.61	*GeoInfo	TOTAL	\$5,332.59
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Closing Balance (TODAY) GRAND TOTAL: \$41,937.52

CHECKING

BA: Bank of America	\$22,598.33
TX: BankOne, Texas	\$13,970.15

SAVINGS

Ansari (BA)	\$4,619.07
Bristol (BA)	\$749.97

TOTAL	\$36,568.48	*GeoInfo	TOTAL	\$5,369.04
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*GeoInfo funds (1/1/95 value: \$3,371.16) included in general BankOne account

NEW MEMBERS

Mary Ellen Batchelor
Southern Methodist University
Science/Engr. Library
Dallas, TX 75275

Glenn S. Cook
Newmont Gold Company
1700 Lincoln St., 26th Floor
Denver, CO 80203

Denise J. Cutruzzula
CONSOL Inc.
1800 Washington Road
Pittsburgh, PA 15241

Roza Ekimov
Retired
Houston, TX

Jiang Zuoqin
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Dept. of Geology
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University of Missouri-Rolla
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Rolla, WA 98105

Nancy R. Sprague
Los Alamos National Laboratory
Research Library
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Los Alamos, NM 87545

Susan C. Stewart
Chevron Chemical Company
Chevron Tower Library
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Houston, TX 77252

Des A. Tellis
Retired
Christie Downs, South Australia
Australia

George Toth
AMPOLEX Limited
P.O. Box A323
Sydney South, 2000
Australia

Ezio Vaccari
University of Bari
Dipartimento de Storia
Via Balbi 6
16126 Genova,
Italy

JOB ANNOUNCEMENTS

SCIENCE REFERENCE LIBRARIAN, DARTMOUTH COLLEGE, Hanover, N.H.

The Dartmouth College Library seeks a dynamic reference librarian for the Kresge Physical Sciences Library and Cook Mathematics Library.

Responsibilities: Reporting to the Physical Sciences Librarian, works as a member of an information services team providing reference services in an innovative and technically sophisticated environment utilizing the Dartmouth Online Catalog, the campus wide information system (DCIS), RLIN and OCLC. Services provided include bibliographic instruction and user education; online searching using Dialog, STN and CD-ROM systems; consultation with faculty to determine instructional and research interests; and collection management and development.

Qualifications: ALA/MLS; educational background in the physical sciences (Physics or Mathematics preferred); and a minimum of two years post-MLS experience in an academic or special library. The successful candidate will have strong interpersonal skills; ability to work collegially in small group and team environments; strong reference and online searching skills; and familiarity with use and application of microcomputers in a networked environment.

Rank and Salary: Rank and salary commensurate with experience and qualifications with a minimum salary of \$27,500 for Librarian I or \$29,500 for Librarian II. Full benefits package including 22 vacation days; comprehensive health care; TIAA/CREF; and relocation assistance.

Dartmouth College information: World Wide Web: <http://www.dartmouth.edu/>

Application: Applications received by September 11, 1995, will be given first consideration; applications will be considered until the position is filled. Please send resume to:

Phyllis E. Jaynes
Director of User Services
115 Baker Library
Hanover, NH 03755.

SCIENCE LIBRARIAN, WICHITA STATE UNIVERSITY, Wichita, Kansas

Starting Date: October 1, 1995

Responsibilities: Provides all aspects of public service for the hard sciences in both the print and electronic environments, assisting users at a general reference desk (including some evening and weekend duty) and providing bibliographic instruction, database searching, and collection development in the sciences. Serves as liaison to the faculties of Biology, Computer Science, Mathematics,

Physics, Chemistry, and Geology. Provides reference service at the chemistry branch library. Helps implement reference automation projects including home pages and Internet training. Participates in department, library, and university activities.

Qualifications: Required - ALA-accredited MLS degree. Undergraduate science degree or extensive science course work or at least one year experience as a science librarian. Demonstrated strong oral and written communication and teaching skills. Knowledge of electronic resources, including the Internet and databases. Preferred - Reference experience and STN searching skills. An additional graduate degree in a scientific field.

Salary and Benefits: Minimum salary will be \$26,000. Salary will depend upon experience and qualifications. Twelve month appointment. Tenure eligible. Choice of retirement plans, including TIAA-CREF. Blue Cross/Blue Shield or HMO. Twenty-two days annual leave.

Application: Send letter of application, resume, and the names, addresses, and telephone numbers of three current references postmarked by July 5, 1995 to:

Jean Eaglesfield, Chair, Science Search Committee
Ablah Library
Wichita State University
1845 Fairmount Drive
Wichita, KS 67260-0068

Non-citizens must be eligible to work in the United States. Finalists will be invited for an expense-paid interview.

Wichita State University: Wichita State University is an urban institution with an enrollment of 13,500. Librarians at Wichita State University enjoy faculty rank, privileges, and responsibilities.

Wichita State University is an affirmative action/EOE employer.

Position No. 3995

ANNOUNCEMENTS and PUBLICATIONS

USGS Library Reduction in Force

The US Geological Survey Library has suffered the loss of three librarian positions and one technical information specialist position due to a reduction in force.

Due also to a job freeze and attrition, the USGS library staff in Reston, VA, has dwindled from nearly fifty people to now about thirty-eight staff members. Also due to the RIF, there are other staff changes. Some staff are transferred to other sections in the USGS, and new people are coming into their positions from outside the library. Other staff members are reduced in rank, but keep a job.

The reference staff has been reduced from four positions to three during the last few months, and the circulation staff has been reduced 25% as well.

-- R. Lee Hadden, USGS Library

Geoscience Journals Added to Science Citation Index (with thanks to Susan Klimley and Ronald Chonka)

These geoscience journals had been added to the ISI Science Citation Index database in the past year:

Antarctic Science
Applied Geochemistry
Bulletin of Volcanology
Environmental Toxicology and Water Quality
Episodes
Geobios
Geomorphology
Journal of Atmospheric and Oceanic Technology
Journal of Vertebrate Paleontology
Pure and Applied Geophysics
Schweizerische Mineralogische und Petrographische Mitteilungen
Tellus Series A
Tellus Series B
Terra Nova
Weather Forecasting

The following journals are slated for inclusion in the SCI in 1996. However, they cannot guarantee their inclusion because of possible space restrictions or other factors. As an addendum, Mr. Chonka mentioned that these journals are presently covered in Current Contents/Physical, Chemical & Earth Science and the online SCISEARCH database.

Bulletin of Canadian Petroleum Geology
Computers and Geosciences
Geographie Physique et Quaternaire
Geologie en Mijnbouw
Journal of Quaternary Science
Transactions of the Royal Society of Edinburgh-Earth Sciences

For comments, questions or suggestions, contact Rodney Chonka, Editor, Physical, Chemical & Earth Sciences, ISI, RChonka@isinet.com

Columbia University's Oversized Image Project

Susan Klimley also reports that the completely revised version of the full report on their Columbia University Oversized Image Project has been loaded. In that project, 5 vendors attempted to digitize various geologic maps from the New York State Museum Bulletin.

The report and the images created are now available at: <http://www.cc.columbia.edu/imaging/html/largemaps/oversized.html> They are now attempting to reassemble the maps, text, and other illustrations that comprised the 4 complete issues. They hope to have the results ready for the fall GSA meeting.

The complete U.S. Code of Federal Regulations (all 50 titles, full text, current to June 1995) are now available on CD-ROM. Microsoft Word Viewer search and retrieve software is included for Windows.

Cost: All 50 CFRs most recent edition (June 1995) for \$62.50; All 50 CFRs annual subscription with quarterly updates for \$190. There are no additional charges for LAN, but there are **additional charges** for their "out-of-pocket costs which includes file preparation, CD production, computer time, packaging and postage/handling." To order:

e-mail solution@iag.net
fax: (407) 321-3098
phone: (407) 321-7912
WWW: <http://www.gate.net/solutions>
mail: SOLUTIONS Software Corporation
1795 Turtle Hill Road
Enterprise, Florida 32725 USA

They are limiting distribution to a maximum of 2 per individual request.

Consequences--The Nature and Implications of Environmental Change, quarterly; vol. 1, no. 1, Spring 1995 - ISSN: 1080-5702

"_Consequences_ is designed to help bridge the gap between the scientists who are engaged in global change research and those outside the research community who share practical concerns related to the national and international consequences of environmental change. It will be published quarterly and distributed free of charge through funding provided by NOAA, NASA and NSF."

Articles in the first two issues (3 articles each) discuss: U.S. climate trends; water supply; land use and land cover; population trends; ozone depletion; and potential impact of climate change on agriculture and food supply. This title will appeal to undergraduate students and general readers interested in environmental science. Early issues seem to fulfill their mission; one can only wonder about continued funding. To subscribe, contact:

J. A. Eddy, Editor or Barbara Eddy, Managing Editor
Saginaw Valley State University
7400 Bay Rd.
University Center, MI 48170
fax 517-652-8772

e-mail jeddy@tardis.svsu.edu OR
beddy@tardis.svsu.edu

INTERNET NEWS

(with contributions from Vivienne Roumani-Denn and Tom Zogg)

The GIS (Geosciences Information Society) Web Homepage is up and accessible through the URL <http://www.lib.berkeley.edu/GIS>. The Web is a dynamic medium, and format and content will change periodically. The members of the Ad Hoc Committee on the Web Server are: Nancy Blair (nblair@isd.mnl.wr.usgs.gov), Susan Bolton (sbolton@pcmail.kgs.ukans.edu), Charlotte Derksen (c.derksen@forsythe.stanford.edu), Clara McLeod (cpmcleod@library.wustl.edu), and Vivienne Roumani-Denn (chair, vroumani@library.berkeley.edu). Some members of the committee met once in person, and subsequent interactions have appropriately all been through e-mail. The function of the committee is to consider your comments, decide what to put on the Web and in what format, and create html (HyperText Markup Language) documents. So feel free to comment on what is already on the Web and what you would like to see there either through the homepage or through the committee's reflector, the address is gisweb@library.berkeley.edu. Messages sent to this address will reach all the members of the committee.

The University of Waterloo Library is providing access to Anita Cannon's excellent guide to Canadian government information *Canadian Government Information on the Internet*, 3rd ed., 1995 at their Electronic Library: <URL: <http://www.lib.uwaterloo.ca/>>; select "Government Information" -> Canada -> Sources & Bibliographies). The direct URL is: <http://www.lib.uwaterloo.ca/discipline/Government/CanGuide/>

The author has revised the guide for the web environment, and will update it on an ongoing basis. Enquiries about the guide should be sent to the author:

Anita Cannon <acannon@mach1.wlu.ca>

For technical maintenance issues, please contact:

libirc@library.uwaterloo.ca

The Superintendent of Documents home page is now available on the GPO web site. URL:http://www.access.gpo.gov/su_docs/ It includes:

- access to GPO on-line services: the Federal Register, Congressional Record and other on-line databases; links to Federal Depository Libraries offering free public access; libraries offering free on site access.
- access to federal locator services: to identify and locate federal government publications, subscriptions and electronic resources on topics of interest.
- link to selected Federal internet sites to locate individual pages on those Web sites.
- view or download Adobe Acrobat files from selected

CD-ROMs and the GPO Access databases, including:

- The Budget of the United States (FY 1996) and The Economic Report of the President
- Country studies and selected foreign affairs documents from the State Department
- Daily digest of the Senate and House of Representatives from the Congressional Record.

For additional information, contact:

Electronic Information Dissemination (EIDS)
U.S. Government Printing Office; MS: SDE
Washington, DC 20401

Phone: (202) 512-1530

Fax: (202) 512-1262

Internet E-mail: help@eids05.eids.gpo.gov

Fax-On-Demand: (202) 512-1716

WWW:http://www.access.gpo.gov/su_docs/

SIS Signal, the newsletter of the ACRL Science and Technology Section is now available on the STS-L listserv. To subscribe:

- send an elm to listserv@utkvm1.utk.edu
- leave subject line blank or type a period if necessary
- then type subscribe sts-l first name last name

Eco-Compass Newsletter is a monthly electronic environmental newsletter. The June issue included:

- * The "Water On-Line" Internet Discussion Group
- * Universities Water Information Network of on-line information sources
- * Clean Water Amendments on the Thomas Legislative Information Service
- * Instructions on accessing the Chesapeake BIOS database using telnet
- * The World Wide Web Dam and Reservoir Impact Information Archive
- * The Arid Lands Newsletter

It is available at <http://islandpress.com> or by e-mail (to subscribe send a message that includes your name, organization and snail-mail address to <newbook@aol.com> .

MEMBER NEWS

Beginning August 26, 1995, **DENA FRACOLLI HANSON** will be taking a year's leave of absence to accompany her geologist husband on sabbatical in Africa. They will be looking at rocks in Botswana and Zimbabwe (about 6 months each). Dena plans to send the GIS Newsletter periodic notes about her experiences, and hopes to be in communication by e-mail if at all possible. If you want to reach her during this time, send mail as follows:

September 1, 1995 - January 31 1996
c/o Dr. Marek Wendorff
Department of Geology, University of Botswana
Private Bag 0022
Gaborone, BOTSWANA

February 1 - August, 1996
c/o Mr. Hubert Munyanyiwa
Department of Geology, University of Zimbabwe
P.O. Box MP 167
Mount Pleasant, Harare, ZIMBABWE

Connie J. Manson, Editor
Geoscience Information Society
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Olympia, WA 98504

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