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PRESIDENT'S COLUMN

My Tribute to GIS on its 25th Anniversary

G = the gateways to information that GIS offers the geoscience community.
 E = the energy and effectiveness of our membership.
 O = the opportunities offered by our organization.
 S = the service our Society renders to the sciences.
 C = the communication and cooperation GIS encourages.
 I = GIS's interface between geoscientists and geoscience information professionals.
 E = GIS's efforts in geoscience education.
 N = our not-to-be-surpassed Newsletter.
 C = the contacts, commitments, and challenges GIS offers.
 E = GIS's endeavors in excellence.

I = the influence and inspiration GIS offers its members.
 N = the information needs and networks GIS nurtures.
 F = the force of our GIS friendships.
 O = GIS's ongoing outreach efforts.
 R = GIS's research and retrieval activities.
 M = the mutual mission of our membership.
 A = the active access to geoscience information offered by GIS.
 T = the traditions of GIS's twenty-five years.
 I = GIS's infinite innovations in information retrieval.
 O = the open files GIS has rescued from obscurity.
 N = our never-ending exploration of what is new in geoscience information.

S = the professional and bibliographic standards that GIS supports and promotes.
 O = our ongoing online experience.
 C = the collective creativity of our membership.
 I = GIS's international impacts in the information world.
 E = our ever-growing expertise in information technology.
 TY = thank you, GIS, for 25 years of service to the geoscience community.

The Geoscience Information Society is very proud and quite delighted to report that the map collection at the University of Nevada, Reno Library has been named the

MARY B. ANSARI MAP LIBRARY

A reception was held September 28, 1990 to honor Nazir and Mary Ansari and to celebrate their major gift of support to the University Library.

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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 December, 1990 issue of the GIS Newsletter should be received by the editors no later than November 20, 1990. If possible please send materials on IBM-compatible disc (Wordstar, Wordperfect, or ASCII format).

Conference Call: The Executive Board conference call took place August 21 at noon EDT. M. Ansari, M. Dvorzak, J. Lerud, M. Noga, and J. Sorensen were present. Marie Dvorzak reported that things went very well for GIS at the JTTC (Joint Technical Program Committee) meeting in Boulder, CO. We will have 8 papers in our Technical Session and 5 poster presentations. She raised the issue of whether GIS should provide financial support for any extra equipment, e.g. microcomputers or VCR's, for our volunteered sessions (technical session and poster session). There was unanimous agreement that GIS would not provide financial assistance for any extra equipment for the technical and poster sessions. In other words, the presenter is financially responsible for any extra equipment ordered for GIS volunteered sessions. This year, because our luncheon has been replaced by the 25th anniversary dinner, the GIS awards for best geoscience reference book and best paper in geoscience information will be presented at the beginning of the business meeting.

Michael Noga reported that we now have 254 paid members. He planned to mail the 1990 Membership Directory to our Publications Manager, Louise Zipp, for distribution by the end of August. Now that he is preparing to turn over his files to the new secretary, he revived the question of GIS purchasing a copy of dBase software for the new secretary. It was unanimously agreed that the Society would support the purchase of dBase or similar database management software to go with the office of the secretary for use exclusively for Society business.

Janice Sorensen reported that she is working on a reimbursement form to accompany the reimbursement guidelines.

Joanne Lerud reported the election results: Dena Fracolli for Vice-President/President Elect and Julia Triplehorn for Secretary. Mary Ansari went over David Reade's formal report on the use of the GIS grant for GeoInfo IV. David will give that report at the business meeting in Dallas. She reported that a new membership brochure bearing our 25th anniversary masthead will be mailed out with the 1990 Membership Directory and will be available at the Dallas meeting. The call adjourned at 1:10 pm EDT.

GIS Ribbons: Since it would cost the Society a considerable amount to pay GSA to stuff our GIS ribbons in the registration packets, the ribbons will be available in Dallas at our exhibit booth and from Marie Dvorzak and me.

1990 Executive Board Meeting: All committee chairs, or their designated representatives, and new officers are urged to attend the 1990 Executive Board Meeting Sunday, October 28 from 1:00 - 5:00 pm in the Hyatt Regency Hotel.

Other: Please contact me at 702/784-6533 if you have items for the Executive Board and the Membership to discuss in Dallas.

GIS Annual Business Meeting
Monday, October 29, 1:30 - 5 pm
Hyatt Regency Hotel

Preliminary Agenda

1. Presentation of GIS awards for best paper in geoscience information and best geoscience reference book.
2. Approval of minutes from 1989 Business Meeting as published in the December 1989 GIS Newsletter.
3. Introduction of new officers.
4. Introduction of new members and visitors.
5. Reports of officers
6. Reports of representatives
7. Reports of committees
8. Old business
 - A. GeoInfo IV
 - B. Gala 25th Anniversary planning
9. New business
 - A. Electronic Bulletin Board
 - B. Clarification of Award Names
10. Announcements
11. Adjournment

Old and new business will be accepted from the floor, time permitting. Business already discussed by the Executive Board will be handled first.

VICE-PRESIDENT'S COLUMN

In Dallas GIS activities will be primarily in 2 locations. The symposium, technical and poster sessions will be in the Dallas Convention Center. Most other activities, including the 25th Anniversary Gala Reception and Dinner will be at the Hyatt Regency. Note there is a program change from the preliminary agenda in the August newsletter. The Technical and Poster sessions have been moved to Tuesday afternoon and the Collection Development Issues Committee meeting to Tuesday morning.

On Wednesday morning GIS is sponsoring a half day field trip (no. 25) to Mobil Research Laboratory. The tour will start with a discussion of information use in the laboratory and be followed by a tour of the library and other related information activities. If you did not preregister for the field trip and are interested in going, you can register at Dallas.

A brief reminder, AGI is sponsoring an information demonstration of the SilverPlatter CD-ROM of GeoRef after the GIS Data Base forum on Thursday.

The Dallas organizers are hoping that the weather will be mild and dry, average temperature is around 75 in the day and 55 at night.

**Geoscience Information Society
Annual Meeting, October 28 - Nov. 1, 1990
FINAL AGENDA**

SUNDAY, OCTOBER 28, 1990

- 10 am - Noon GIS 25th Anniversary Planning Com-
Committee (Hyatt Regency Bryan B)
1 - 5 pm GIS 1990 Executive Board Meeting
(Hyatt Regency Cotton Bowl)

MONDAY, OCTOBER 29, 1990

- 8 am - Noon GIS Symposium (S13): "Geological
Societies and Information Transfer in
the Electronic Age" (Dallas Con-
vention Center, W 116)
1:30 - 5 pm GIS Business Meeting, Awards (Hyatt
Regency Ballroom A)

TUESDAY, OCTOBER 30, 1990

- 8 - 11 am GeoRef Beginners Workshop
(Hyatt Regency Latimer A-B)
8:30 - 10:30am Collection Development Issues Com-
mittee (Hyatt Regency Bryan A-B)
1:30 - 3:30 pm GIS Technical Session: "Geoscience
Information--Current Issues" (Dallas
Convention Center, W 116)
1:30 - 5:30 pm GIS Poster Session (Dallas Con-
vention Center, West Hall)
6 - 9:30 pm GIS 25th Anniversary Gala Reception
and Dinner (Hyatt Regency Reunion
Ballroom C)

WEDNESDAY, OCTOBER 31, 1990

- 9 am - 12:30 pm Field Trip: Information Resources at
the Dallas Research Laboratory, Mobil
Research & Development Corp.
1:30 - 4 pm GeoRef Advanced Workshop (Hyatt
Regency Latimer A-B)
4:30 - 6:30 pm GeoRef Users Group Meeting (Hyatt
Regency Brisbane A)

THURSDAY, NOVEMBER 1, 1990

- 9 - 11 am GIS Database Forum (Hyatt Regency
Latimer A-B)
11 am - 12 noon AGI Demonstration: GEOREF on
CD-ROM (Hyatt Regency Latimer
A-B)
1 - 5 pm GIS 1991 Executive Board Meeting
(Hyatt Regency Sanford)

GIS HISTORICAL NOTES

The symposium abstracts were first published in
the GIS Newsletter in issue 17, October, 1971.

**GIS SYMPOSIUM (S13):
GEOLOGICAL SOCIETIES AND INFORMATION
TRANSFER IN THE ELECTRONIC AGE
Monday October 29, 8:00 a.m. - 12:00 noon
Dallas Convention Center, W 116**

Marie Dvorzak and Rosalind Walcott, presiding

Schedule

8:00-8:30 a.m. Geological societies: Reflections on
current publications and services, by Richard A.
Spohn* and Phil W. Stoffer.

8:30-9:00 a.m. Societies' impact on the earth sciences:
Three hundred years of communication, by Regina A.
Brown.

9:00-9:30 a.m. Fax, e-mail, diskettes, softstrip, and
ROMS...Our communications revolution?, by Daniel F.
Merriam.

9:30-10:00 a.m. Approach to high cost of digitization,
by Gary D. Howell.

10:00-10:15 a.m. Break.

10:15-10:45 a.m. The electric GSA, by Raymond E.
Arvidson.

10:45-11:15 a.m. Serials' quality: Scientists' quan-
dary, societies' responsibility, by Paul H. Ribbe.

11:15-11:45 a.m. Society publishing at the millennium,
by A. F. Spilhaus, Jr.

11:45 a.m.-12:00 noon Discussion

Abstracts

**GEOLOGICAL SOCIETIES: REFLECTIONS ON
CURRENT PUBLICATIONS AND SERVICES**

SPOHN, Richard A., College of Library and Infor-
mation Science, University of Kentucky, 502
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Societies continue to play a major role in the
publication of geological materials worldwide. This
paper focuses on the current status of geological
societies and their role in publishing, particularly in the
United States and Canada. National societies, regional
societies, and related societies are important producers
of geological materials in both countries. What these
societies are publishing at the present time and the
formats they are using now or are considering for the
immediate future are examined.

Societal publication patterns in other scientific disciplines such as physics, biology, and chemistry are also examined. These publication patterns are compared to the known publication patterns in the geological sciences.

The trend internationally is towards a greater number of societal publications being produced by commercial publishers. The implications of this trend for geoscience librarians and scholars is a continued rise in the cost of publications, since commercial publishers base their prices on the need to make a profit. In general, the result is that commercially produced journals average nearly double the cost of those produced by societies.

SOCIETIES' IMPACT ON THE EARTH SCIENCES: THREE HUNDRED YEARS OF COMMUNICATION

BROWN, Regina A., Orton Memorial Library of Geology, The Ohio State University, 155 South Oval Drive, Columbus, OH 43210

A study of the historical development of scientific societies from the seventeenth century to modern times reveals considerable diversity in structure, status and funding, but a shared common purpose--the dissemination of information. Societies, international, national, and local, have played a significant role in the development of the earth sciences. The regional or provincial organizations originated as private groups with specialized knowledge and common interests, before official status was conferred on them. In years past, publications of scientific societies were the primary means of communications research. Today scientific societies' conference proceedings, professional journals, monographic series, field trip guidebooks, maps, and other publications serve as a rich resource of information not available elsewhere in the geological research literature.

FAX, E-MAIL, DISKETTES, SOFTSTRIP, AND ROMS... OUR COMMUNICATIONS REVOLUTION?

MERRIAM, Daniel F., Kansas Geological Survey, 1930 Constant Ave., Campus West, University of Kansas, Lawrence, KS 66047

The communication revolution is upon us. Gone are the days of leisurely letter writing; gone also is the written record of the development of ideas. The scientist of today needs up-to-date data and information and needs it immediately. This is accomplished via interlinking communications networks such as BITNET. FAX allows an almost instantaneous transfer of illustrations and text. Computer programs and data can be moved efficiently and effectively by diskette or softstrip or even downloaded directly from a communications network or connecting telephone line. Databases and bibliographic sources are as close as the nearest telephone line. CD ROMS are available for

those without special telephone access. Even overnight mail now is no longer fast enough as direct exchanges are accomplished electromagnetically. This instant availability of data and information is changing the way in which scientists communicate and do research. It has changed the way in which libraries operate and it is beginning to affect the manner in which organizations distribute information and their publishing practices. Bulletin Boards are a popular way to distribute news. Authors are increasingly responsible not only for the content of their work but also for the preparation and formatting of the material for publication. This accelerated pace of the Information Age will continue in the future as geologists and geological organizations adjust to cope with the communication revolution.

APPROACH TO HIGH COST OF DIGITIZATION

HOWELL, Gary D., American Association of Petroleum Geologists, P.O. Box 979, 1444 S. Boulder, Tulsa, OK 74101-0979

The high cost of technicians and technology related to digitization and ultimately the electronic manipulation and dissemination of data places most associations in an awkward financial position to compete with private industry, government and other better funded suppliers in the market place. The use of digitization and the ultimate manipulation electronically of data is clearly the wave of the future, and those who have traditionally disseminated a great deal of scientific information must find a vehicle for which their materials can be provided in this format. Toward that end, a liaison between associations and free enterprise companies offers an opportunity for associations to stay on the leading edge of technology without facing severe financial strain. Care must be taken in developing a proper contract which allows the maximum opportunities to the association while not restricting the free enterprise company. A clear definition of product and market is required to develop future goals for providing digital information. Additional support or in-house digitization at reasonable prices is also a possibility that will augment joint ventures and provide an enhanced attractiveness to commercial companies. Opportunities such as shared data bases, shared staff people, and other mutually beneficial interactions can only have a positive effect on such partnerships. In general, associations can provide a commercial entity with a unique position in the market place. Remuneration in a varied financial formula for the many potential products in the digital field will require a combination of a specific contract that also allows for flexibility and amendment as programs and possibilities present themselves during the terms of the agreement.

THE ELECTRIC GSA

ARVIDSON, Raymond E., McDonnell Center for the Space Sciences, Department of Earth and Planetary Sciences, Washington University, St. Louis, MO 63130

Rapid advances in computation, data management, and communications, provide opportunities for the GSA to increase the nature and efficiency of services to its membership. In fact, it is necessary to utilize these capabilities to be able to keep up with the needs of a growing membership, particularly when that membership is rapidly moving toward use of electronic communications and data management. Examples of capabilities that should be utilized are: (a) Use of a dial-in electronic mail system (e.g. telemail) to facilitate communications among members and GSA Headquarters. Use of INTERNET (NSFNET, SPAN, BITNET, etc.) for communications, including conducting certain GSA business (e.g. committee correspondence), requesting and receiving reviews, and accepting electronics versions (e.g. ASCII files) of manuscripts.; (b) Allow remote search and order of GSA maps, books, and repository holdings. A relational catalog with template-driven user views might be the best approach.; (c) An increasing number of GEOLOGY and Bulletin submissions, combined with more quantitative approaches in the geosciences, mean that the GSA data repository will be used frequently for deposition of data and documentation that cannot be included in the articles. GSA should have standards for submission of digital data to the repository, including format, the nature and extent of documentation, and media for storage and distribution. Through the Publications Committee, the GSA is working on these issues, using procedures and standards developed by NASA's Planetary Data System as a model.

SERIALS' QUALITY: SCIENTISTS' QUANDARY, SOCIETIES' RESPONSIBILITY

Ribbe, Paul H., Department of Geological Sciences, Virginia Polytechnic Institute & State University, Blacksburg, VA 24061

An extensive study of serial publications in mineralogy, petrology and geochemistry has demonstrated that the quality of a journal is reliably indicated by its Impact Factor, as reported by the Science Citation Index (SCI). [IF is related to the number of citations divided number of source items.] A serial's IF is highly correlated to SCI's Immediacy Index, to the proportion of papers in that serial supported by research grants from N.S.F., D.O.E., and N.A.S.A., and even to the number of grants acknowledged per paper, as funded by these federal agencies. A measure of the value of a serial may be calculated by dividing the cost per source item (or per character) by IF. Thus a more costly journal, if it is highly cited, will have a favorably low Cost/Quality [C/Q] index (Ribbe, *Am Mineral* 73,449f.; cf. Barschall & Arrington, *Bull Am Phys Soc*, Jul-Aug 1988).

A study of 54 serials in "Geosciences," "Geology" and "Paleontology" (SCI categories) indicates that on the average IFs are slightly higher for journals published by professional societies than for those published commercially, for profit. But of great importance to libraries, university financial officers, and taxpayers - though apparently of little or no concern to the publishing scientist - is the fact that subscribers must pay four times as much per unit for commercially produced serials. Society journals also have four-times more favorable Cost/Quality indexes and much wider circulation.

Scientists should make informed choices when choosing a journal, and if university administrators would encourage quality over quantity and faculties would catch the vision, the "enormous pile of mill-tailings" that we call "the literature" (Rustrum Roy, 1989) might be reduced to manageable, readable and affordable proportions.

Societies are urged to be more aggressive in the serials marketplace.

SOCIETY PUBLISHING AT THE MILLENNIUM

SPIELHAUS, A.F., Jr., American Geophysical Union, 2000 Florida Avenue, N.W., Washington, D.C 20009

The primary function of a scientific society is to provide the infrastructure for communication between and among scientists. Much of that communication is through journals. Traditional society publications can be viewed as threatened by technology, economics and government. In fact, they are. Society publications will change in response to these forces. But a far more important influence, the needs of the science and the demands of scientists, will determine the direction of society publication. Journals and books will not go away and they are not going to cost less. The volume of published material, in whatever format, is going to increase. Access is going to have to be provided to that material. Indexing and retrieval must become an integral part of society publication programs. Requirements for sophisticated graphical presentation and for interaction with the product will change publication formats. There will also be a need for better access to underlying data.

At the Millennium, societies that are serving their members and their science will be doing much more of what they're doing now and some of it in much more interesting ways. They will be doing new things as well. Our fortune has indeed come true. We do live in interesting times.

**GIS TECHNICAL SESSION:
GEOSCIENCE INFORMATION -
CURRENT ISSUES**

October 30, 1990 Tuesday, 1:30 p.m. - 3:30 p.m.
Dallas Convention Center, W 116

Marie Dvorzak and Unni Rowell, Presiding

Schedule

1:30 - 1:45 p.m. The use of approval plans for geoscience libraries, by Jean T. Eaglesfield

1:45 - 2:00 p.m. Hidden assets of controlled vocabulary to free-text searching the TULSA file of Petroleum Abstracts, by Mark A. Finnegan

2:00 - 2:15 p.m. Discussion of the use of foreign language sources in geological journals: A citation analysis, by Nancy J. Butkovich.

2:15 - 2:30 p.m. The case for desktop publishing, by Robert G. Corbett and Barbara M. Manner

2:30 - 2:45 p.m. An evaluation of a free, unlimited online searching program in a university geology library: Who is using it, what does it cost, and is it worth it, by Suzanne T. Larsen.

2:45 - 3:00 p.m. Geologic information on polar regions available on compact discs, by Julia H. Triplehorn.

3:00 - 3:15 p.m. Method for evaluating preservation needs of oversized illustrations in geology theses, by Sally J. Scott.

3:15 - 3:30 p.m. Preservation of geoscience library collections: Current conditions and future trends, by Constance S. Wick.

Abstracts

THE USE OF APPROVAL PLANS FOR GEOSCIENCE LIBRARIES

EAGLESFIELD, Jean T., Michigan State University Libraries, W220 The Libraries, East Lansing, MI 48824

This is an explanation of a particular form of library acquisition that is commonly used today.

The paper will begin with some definitions of types of acquisitions (firm orders, blanket orders, global subscriptions). Why approval plans came into existence, the history of approval plans over the past twenty years, and the organization of present day plans will be explained. How a book is acquired by a vendor and later by a library from a vendor will be outlined.

Concerns of geology librarians in using approval plans will be summarized. How plans may be modified in the next decade as libraries cope with inflation and shrinking budgets will be noted. How approval vendors cope with this situation will be summarized.

HIDDEN ASSETS OF CONTROLLED VOCABULARY TO FREE-TEXT SEARCHING THE TULSA FILE OF PETROLEUM ABSTRACTS

FINNEGAN, Mark A., Information Services Division, Univ. of Tulsa, 600 S. College, Tulsa, OK 74104

Optimization of retrieval results during an online literature search of any bibliographic database is of prime importance to the experienced searcher, as well as limiting the time spent online to the necessary minimum. Many searchers cross-file search and therefore must use free-text strategies established to hopefully work in several different retrieval systems. A sometimes heated debate has existed between the controlled vocabulary vs. free-text advocates. A symbiotic link is established between controlled vocabulary and free-text searching of geoscience literature on the TULSA File of the Petroleum Abstracts. In some instances, it is demonstrated where controlled vocabulary increases retrieval accuracy with much less time spent in the research phase of the search as well as less time spent online. In other instances, it is demonstrated where free-text searching will enhance retrieval accuracy if some time is spent in the research phase of the search consulting some of the many reference tools provided by controlled vocabulary before getting online. Geoscience literature is a science in which varied terminologies exist for similar concepts, this being the norm rather than the rarity. The controlled vocabulary of Petroleum Abstracts is comprised of a total of approximately 62,625 index terms to cover the literature on exploration and production of petroleum. This is a valuable hidden asset to the free-text searcher. Free-text searching in combination with controlled vocabulary can be a tremendously powerful combination if used to their fullest advantage.

DISCUSSION OF THE USE OF FOREIGN LANGUAGE SOURCES IN GEOLOGICAL JOURNALS: A CITATION ANALYSIS

BUTKOVICH, Nancy J., Reference Div., Sterling C. Evans Library, Texas A&M University, College Station, TX 77843-5000

In most scientific disciplines the dominant language for scientific publishing is English. Nonetheless, large bodies of scholarly literature have been and continue to be published in other languages; in fact, several studies based on analyses of geological indexing sources suggest that barely half of the published literature is in English. To what extent, however, is this non-English body of knowledge utilized?

In order to determine what geologists publishing in leading journals cite, an analysis was made of a sample of over 7000 citations appearing in the ten leading geological journals in 1964 and 1984, based on the journal rankings in Science Citation Index. English proved to be the most common source language: 89% of the 1964 and 95% of the 1984 references were in English. Germanic languages (predominantly German but including Norwegian, Danish, Dutch, and Swedish)

dropped from 7% to 1 1/2%. French stayed constant at around 2%. The remainder of the citations were in Portuguese, Italian, Spanish, Japanese, Chinese, various Slavic languages, and Other. Of particular interest was Contributions to Mineralogy and Petrology, which went from a large percentage of its articles published in foreign languages in 1964 to nearly all English language articles in 1984. The patterns of references cited in these articles also showed a dramatic shift toward English. Considering the quantities of non-English material being published, this author concludes that foreign language sources are underutilized and that geologists risk missing relevant research by ignoring this body of knowledge.

THE CASE FOR DESKTOP PUBLISHING

CORBETT, Robert G., Dept. of Geography-Geology, Illinois State University, Normal, IL 61761 and MANNER, Barbara M., Dept. of Physics, Duquesne University, Pittsburgh, PA 15282

Desktop publishing is an extension of word processing in which printed matter similar in quality and style to type-set books is produced using a program such as Wordperfect and a laser printer. The case for desktop publishing is one of economy, from perspective of publisher, journal editor, or writer. Many writers help finance publication through page charges for journal articles or subvention for university presses. However, costs are just as real when manuscripts are required to be camera-ready or on disc. As examples, one university press forgoes subvention when camera-ready copy is submitted, and a non-profit publisher gives a cash bonus for submitting material on disc.

Wallace S. Broecker in the foreword of How to Build a Habitable Planet noted that "thanks to computer layout schemes and laser printers, it is now possible to circumvent the very high overhead associated with conventional publishing". His 291-page text sells for \$18.00. Ed Nuhfer and Mary Dalles produced an 80-page guidebook to a national seashore for \$7.00.

Four independent and positive reviews of our 160-page Environmental Atlas convinced us to publish. Our potential target is 1200, largely local schools and libraries. We wanted price to be reasonable. A potential publisher estimated retail cost to be \$40.00, and required our guarantee to purchase remainders, a worst case scenario of \$36,000.

One or both of us: learned Wordperfect and desktop publishing; scanned photographs; negotiated for custom printing; arranged marketing through local book sellers and the Eastern Parks Association; and provided financing at 15% of the guarantee earlier proposed. The work sells for \$16.95, including 40% markup and return privileges. Such details concerning desktop publishing should be helpful to others faced with similar choices for publication.

AN EVALUATION OF A FREE, UNLIMITED ONLINE SEARCHING PROGRAM IN A UNIVERSITY GEOLOGY LIBRARY: WHO IS USING IT, WHAT DOES IT COST, AND IS IT WORTH IT

LARSEN, Suzanne T., Earth Sciences Library, University of Colorado at Boulder, Campus Box 184, Boulder, CO 80309.

The University Libraries at the University of Colorado, Boulder received a large gift from an alumnus of the Department of Geological Sciences in 1988 to eventually help build a new Earth Sciences Library. In the interim, a proposal is written annually for the use of interest generated by the gift. A portion of the money requested in each proposal supports completely subsidized online searching for department faculty, research staff, graduate students, undergraduates, and anyone enrolled in geology classes.

This preliminary study of the first two years of the program indicates that the heaviest users are graduate students, followed by faculty. Use by undergraduates have been low even though restrictions are few. Repeat use of the service is quite high and there is a core user group among both faculty and students. Students whose advisors use the system are more likely to use the system themselves. The cost of providing this service has proven to be less than anticipated, primarily because of AGI's 50% discount, which began in 1988, for academic libraries using GEOREF.

The availability of the free searching is promoted through library orientations, a departmental library newsletter, announcements in faculty meetings and word of mouth. Although usage increased dramatically during the second year, less than half of those eligible for the free searching have taken advantage of it. This indicates the need for a follow-up study, perhaps in the form of a questionnaire, to determine if all faculty and students know about the system, what they do know, where they found out about it, and the level of satisfaction among users.

GEOLOGIC INFORMATION ON POLAR REGIONS AVAILABLE ON COMPACT DISCS

TRIPLEHORN, Julia H., Librarian, Geophysical Institute, University of Alaska, Fairbanks, Alaska 99775-0800

With the increasing interest in the arctic and antarctic, compact disc containing information on polar subjects add a new searching dimension to locating geologic materials. This presentation reviews the latest editions of the following compact discs on polar regions: Polar-Pac, Cold, and the Arctic Environmental Data Directory. The coverage and unique searching capabilities of each product is assessed with regard to high latitude geologic coverage.

METHOD FOR EVALUATING PRESERVATION NEEDS OF OVERSIZED ILLUSTRATIONS IN GEOLOGY THESES

SCOTT, Sally J., General Library, University of California, Irvine, Box 19957, Irvine, CA 92713

Geology theses and dissertations frequently contain oversized maps and illustrations, which are often hand-colored. Unique to the theses, they are heavily used and generally obtainable only from the degree-granting institutions. This is particularly true of master's theses, which are not commercially available on microfilm. Preservation of this material is of critical importance.

This paper describes the method designed for evaluating the preservation needs of geology master's theses at the University of California, Los Angeles. Use of a standardized method would enable institutions to make comparable studies and to collectively justify funding for theses preservation.

PRESERVATION OF GEOSCIENCE LIBRARY COLLECTIONS: CURRENT CONDITIONS AND FUTURE TRENDS

WICK, Constance S., Kummel Geological Sciences Library, Harvard University, Cambridge, MA 02138

Earth science collections are in danger of deteriorating into an unusable state, and present unique challenges to library administrators wishing to preserve these materials. Recent work has indicated that a variety of methods are available for preservation of geoscience materials. Some collaborative preservation work has been undertaken, particularly for cartographic materials.

The current work seeks to analyze what individual institutions have done to prevent the deterioration of geoscience information in several formats, including books, journals, maps, and information in electronic formats.

In order to make informed budgetary requests, the earth sciences library administrator must be aware of other preservation work already completed or in process. These might include in-house projects, or materials commercially available. The study seeks to determine how much earth science material has actually been conserved or preserved, and in which formats. How much preservation work has consisted of deacidification and repair? Are reformatted works represented in national databases? How have projects been funded? Possible preservation impacts include the lack of adequate funding for mundane, but important preventive measures such as binding. Budgetary constraints brought on by the costs of journal proliferation, price increases, and the cost of new technologies may be affecting the amount of material that gets preserved.

GIS POSTER SESSION: GEOSCIENCE INFORMATION

October 30, 1990 Tuesday 1:30 - 5:30 p.m.
Dallas Convention Center, West Hall

Authors will be present from 2:30 - 4:30 p.m.

Schedule

Booth 8 Color representation of data in geology, by Susan Klimley

Booth 9 Referencing and archiving digitally produced maps at the Kansas Geological Survey, by Janice H. Sorensen and Rex C. Buchanan

Booth 10 Planning and implementing the merger of two science collections, by Marianna S. Wells and Richard A. Spohn

Booth 11 PC version of the USGS NAWDEX Master Water Data Index (MWDI), by James R. Stimson

Booth 12 Prizes and awards in the geosciences, by Mary W. Scott

Abstracts

COLOR REPRESENTATION OF DATA IN GEOLOGY

KLIMLEY, Susan, Library, Lamont-Doherty Geological Observatory, Palisades, NY 10964
Manipulation, examination and display of data on color computer monitors is occurring in all areas of the earth sciences. Due to the expense of color computer equipment and the high cost of color publication, utilization of color technology and images is progressing unevenly through the sciences. Examples from the work of several Lamont-Doherty Geological Observatory researchers are used to illustrate the breadth of research utilizing color data techniques, including information on data sets, equipment and printers being used, as well as journals accepting color images for publication. The examples will include color computer-produced gravity, geologic and bathymetric maps and color coded seismographs and bore hole images.

REFERENCING AND ARCHIVING DIGITALLY PRODUCED MAPS AT THE KANSAS GEOLOGICAL SURVEY

SORENSEN, Janice H., and BUCHANAN, Rex C.,
Kansas Geological Survey, 1930 Constant Ave., University of Kansas, Lawrence, KS 66047

The Kansas Geological Survey has been producing maps from digital databases stored on the Survey's mainframe since 1973. During the last few years,

advancements in software and plotter technology have made it possible for the Survey to break from traditional methods of map production and begin producing all maps from a computer-driven plotter. This new concept in map publication has made it necessary to look closely at how digitally produced maps should be archived and referenced. The Survey now archives computer files of maps on magnetic tapes assigned to the published map series and open-file series and does not store paper copies. Since electronic publication of maps makes it possible to revise the datafiles and plot new maps, revision dates are printed on maps. File inventory information (i.e. tape number and file number) is supplied to the Survey's archivist by the Automated Cartography Section. Since not all maps being produced fit into the Survey's formal Map Series or Open-file Series, a new category call Project Map Series has been developed. The Project Map Series will insure that maps used by staff for presentations or special projects will bear a number for referencing purposes. However, since the need to recreate a special map is limited, only paper copies will be archived and inventoried by the Survey's library staff.

PLANNING AND IMPLEMENTING THE MERGER OF TWO SCIENCE COLLECTIONS

WELLS, Marianna S., Geology/Physics Library, University of Cincinnati, Cincinnati, OH 45221-0153; SPOHN, Richard A., Geology/Physics Library, University of Cincinnati, Cincinnati, OH 45221-0153

After years of planning and a year long renovation project, the Geology Library and the Physics Library at the University of Cincinnati merged into a combined new facility which opened its doors to the public on January 3, 1990.

One of the more intricate challenges in planning the move was the consolidation of a widely scattered collection. Both libraries had been housed in older, rapidly deteriorating, and cramped physical facilities and had large portions of their collections in a storage facility. The goal was how to facilitate the integration, by call number, of these dispersed materials. The solution was to create a database of journals in the two disciplines using the management system DataEase version 2.5. Online records included fields for location, current total volumes and growth per annum based on an average number of volumes per linear foot. From this data reports could be generated for any chosen subfield to implement the move.

The attractive and spacious new library provides more than 18,000 square feet of space to accommodate collections and users. The effective use of high density mobile stacks gives better on site access to a majority of the collection. The new facility provides a climate controlled environment in which to preserve materials. Better security for the collection is afforded by the installation of a book protection system. Added services for the user include a map copier, a microform reader/printer, and automated reference services.

Comfortable seating provides user space for 115 patrons. An added benefit is the consolidation of most of the University's map collections in one physical location.

PC VERSION OF THE USGS NAWDEX MASTER WATER DATA INDEX (MWDI)

STIMSON, James R., Montana Natural Resource Information System, Montana State Library, 1515 East 6th Ave., Helena, MT 59620

The MWDI is an automated index of water data collection sites which is maintained by the USGS NAWDEX Program Office. This Index is very useful for locating sites from which data can be obtained. Information in the MWDI is submitted for each state by Federal, State and local governmental agencies, and private organizations. Data fields for each site include the agency operating the site, site location, type of data collected, frequency of collection, period of record, current status and others.

Through a cooperative arrangement with the USGS, the Montana Natural Resource Information System (NRIS) staff developed a PC version of the MWDI. The PC version is menu driven and includes a utility program to convert the MWDI loader string format into dBase III. The PC version of the MWDI makes it possible to select sites by any combination of the following items: station number, agency, latitude/longitude, county, site type, parameters codes, and site status. In addition, the software permits the user to construct ad hoc queries using standard dBase style expressions. Sites retrieved can be counted, viewed on screen, sent to a printer, or sent to a ASCII file.

PRIZES AND AWARDS IN THE GEOSCIENCES

SCOTT, Mary W., Ohio State University, Mathematics Library, 231 W. 18th Ave., Columbus, OH 43210

Each year many outstanding geoscientists are honored by being awarded one of the numerous prizes or awards given by individuals, foundations, societies, or corporations. What are these awards, what is their history, who gives them, who is eligible to receive an award, when are they given, where are they announced, and who are they named for? These questions are among those addressed in this summary of prizes and awards in the geosciences.

ANNUAL MEETING NOTES

GeoRef Workshops, and, GeoRef Users Group Meeting

It's been a year full of change for GeoRef, and the workshops and Users Group meeting will reflect this activity.

The GeoRef Beginners Workshop will cover the basics of online searching on GeoRef, using specific examples from the different vendors' systems. The structure and content of the GeoRef file, the use of Boolean logic and how to design effective search strategies will be emphasized.

The GeoRef Advanced Workshop will include presentations by representatives of the different vendors who offer the GeoRef file, highlights of Dialog's reload of GeoRef, and information on searching topics relating to petroleum exploration. There will be plenty of time for discussion, so bring your searching problems and questions to this session. This is a good way to update your searching knowledge and skills.

The GeoRef Users Group meeting, which immediately follows the Advanced Workshop, is open to all GIS members with an interest in online searching, and GeoRef in particular. This is an ideal forum in which to raise any concerns or questions about GeoRef since a representative from the American Geological Institute will be at the meeting. Topics of current interest are the DIALOG reload, and GeoRef on CD-ROM. An update on AGI's many projects will be given as well. We will consider a proposal that the GeoRef Users Group Steering Committee author and/or coordinate a column of searching tips for the GeoRef and/or GIS newsletters.

The Steering Committee is interested in hearing about other issues to raise at the GeoRef Users Group Meeting. Although issues can be raised during the meeting, you can also share your ideas ahead of time with any member of the Steering Committee, or send, phone or e-mail them to:

Barbara DeFelice, Chair, GeoRef Users
Group Steering Committee
Kresge Library
Dartmouth College
Hanover, NH 03755
phone: (603) 646-3845
e-mail: barbara.defelice@dartmouth.edu

Database Forum, Thursday, November 1, 1990

An exciting roster of speakers is tentatively set for the database forum. (It is tentative because budgets will be set on October 1 for a couple of the speakers.) Each of the speakers will talk about and

demonstrate a database available in CD-ROM or floppy disk form.

Name, Affiliation, Database

Sharon Tarakhelli, American Geological Institute,
GeoRef
M. C. Nichols, Aleph Enterprises, Mineral Database
Jack Edwards, Earth Info, Water Quality/Climatedata
Sonya Thelin, OCLC, Selected Water Resources
Abstracts
Jerry McFaul, USGS, NURE Database*

* The first of the new USGS CD-ROM series to be issued.

Respectfully submitted,
Charlotte Derksen

OFFICERS ANNUAL REPORTS

President

With GeoInfo IV being held in Ottawa last June, the planning for GIS's 25th anniversary bash in Dallas, GeoRef issued on CD-ROM, and the in-progress reload by DIALOG of the GeoRef file, thus far 1990 has been a banner year for geoscience information. Even though I had very little to do with these wonderful happenings and accomplishments, obviously I had the good fortune of serving as your president during a very exciting and eventful year. Our interaction with other societies will be augmented at the Dallas meeting with the GIS symposium on geological societies and information transfer in the electronic age and with Past President Joanne Lerud representing GIS at NAGT's symposium on the efforts and impacts of geoscience organizations on geoscience education. Our outreach activities continue with the 25th anniversary special issue of Compass on the use of the geoscience library, which Joanne Lerud is editing and to which twelve of our members are contributing papers. This year our Newsletter, publications list, membership directory, membership brochure, and GIS ribbons to be attached to badges have all been issued in our silver anniversary colors of silver and blue. I'm sure we'll see much more silver and blue at the Dallas meeting.

Looking to the future--the Fifth International Conference on Geoscience Information is scheduled for 1994 in Prague. The 6th edition of the Union List of Geologic Field Trip Guidebooks and the 4th edition of the Directory of Geoscience Libraries are underway. The new decade promises to be an interesting and challenging one for geoscience information.

Respectfully submitted,
Mary Ansari

Vice-President

This has been an exciting and busy year. Preparing the program has been challenging. Arrangements for the meeting are almost complete. At other annual meetings, I have worked on a variety of activities. Being Vice-President has given me the opportunity to see how these efforts come together. It has also given me an even greater appreciation of our members. So many members contribute to the planning and activities that occur at the annual meeting. In particular, Mary Ansari has provided invaluable assistance on numerous occasions. Both Joanne Lerud and Jean Eaglesfield have shared their expertise as past presidents. The meetings staff at GSA have always been helpful in handling the numerous details involved.

This has been a particularly rewarding year because of GEOINFO IV and planning for the 25th Gala. Reviewing the early history of GIS has been a learning experience and provided new perspective on our current activities. GEOINFO IV presented various assessments of the current state of geoscience information and alternatives and opportunities for the future.

This is the time to think about next year's activities and what GIS will be doing in the next 25 years. If you are interested in participating by serving on a committee or in some other activity, please let me know.

Respectfully submitted,
Marie Dvorzak

Past President

My duties of Past President have been quite enjoyable. After the initial flurry of thank you notes was completed, the arrangements for the three Conference Calls were negotiated. AT&T provides quite a bureaucracy to work with and my Secretary deserves the credit for managing these intricacies. As Past President, I also chaired the Nominating Committee and a copy of that Committee's report should be elsewhere in this issue. I was named to the American Geological Institute's Membership Council and have participated in two meetings this past year. I will also present a paper on the Society's behalf concerning the effort of GIS in earth science education at the annual GSA meeting.

This Society has been central to my personal growth. Each member is critical to our Society and I encourage all members to be as active in GIS as their time will allow. GIS is a very respected and influential Society and I look forward to the contributions of the upcoming "best and brightest" that are the members of GIS.

Respectfully submitted,
Joanne Lerud

Secretary

The Geoscience Information Society has 255 members as of September 15, 1990. This is a 6.2% increase from the previous year. I think that our distribution of membership application forms with the Proceedings has helped.

Here is the 1989 and 1990 membership distribution:

	9/15/89	9/15/90
Personal	189	200
Corporate	36	39
Retired	10	8
Student	5	8
Sustaining	0	0
Total	240	255

New members 26 36 *

* Includes 23 personal, 7 corporate, and 6 student members.

During the past year, I have handled membership renewals, correspondence with prospective and new members, several inquiries regarding the Society, and distribution of mail sent to the Society's corporate address. I wrote a program that automatically puts information from each member's record in the Membership Database into the membership renewal form. Also, I have added the FAX field to the Membership Database. The cataloging utility field was deleted, because similar information will be put into the next edition of the Directory of Geoscience Libraries. I produced mailing labels for the Newsletter and a couple special mailings. Finally, I prepared the 1990 Membership Directory, which has been mailed to members recently.

Kudos to Mary Ansari and Louise Zipp for their assistance with the Membership Directory. Kudos also to the Executive Board. I enjoyed working with you. Finally, kudos to members who renewed on time.

The Dallas meeting marks the end of my term. This position requires a lot of work, but it is a great way to meet geoscience librarians and information specialists. Soon I will pass the Membership Database to Julia Triplehorn. Maybe I'll become some type of marine High Plains Drifter, or more likely, an aerial version.

Respectfully submitted,
Michael Noga

Treasurer

GEOSCIENCE INFORMATION SOCIETY FINANCIAL REPORT

January 1, 1990 - August 31, 1990

Balance from 1989:

Checking account	\$ 28,530.49
Savings account	7,461.73
TOTAL	35,992.22

1990 Income:

Dues	
Individual	5,430.00
Corporate	1,900.44
Publications	
Newsletter subsc.	770.00
Proceedings	2,400.00
Directory	70.00
Other (labels, etc.)	352.48
Interest	
Home Savings	
Virginia Account	160.00
California Account	785.38

TOTAL INCOME: \$ 11,868.30

1990 Expenses:

AGI dues	342.00
1989 annual meeting	1,362.85
1990 annual meeting	374.35
Committees, officers	1,324.02
Newsletter	1,248.60
Proceedings, v. 20	3,658.38
Miscellaneous	75.00

TOTAL EXPENSES: \$ 8,385.20

Balance on Aug. 31, 1990

Checking account:	\$ 32,470.63
Savings account:	7,461.73
TOTAL:	39,932.36

Respectfully submitted,
Janice Sorensen

Editorial Board

Two manuscripts were reviewed, one by the entire board and the other by the Chair alone. In addition to these "formal" reviews, the Board Chair advised the Newsletter editor on one or two issues that came up. So, essentially, it has been a quiet year.

I would like to thank Dick Walker and Nancy Blair for their willingness to serve on the Board, and for their comments on the piece that was reviewed. They were very helpful.

Respectfully submitted,
Robert A. Bier, Jr., Chair

Newsletter Co-Editors

The Newsletter continues to include news of the Society, reports of officers and committees, short articles, announcements of news, publications and jobs, and other information of interest to the members. So far in 1990, we have prepared 4 issues and mailed them to members and subscribers, both in North America and internationally. We expect to issue the other 2 issues similarly.

We made some changes this year. We added colored paper, a pre-printed colored masthead, and various historical notes, in anticipation of our 25th anniversary celebration. These have been well-received; we are grateful for your many kind comments.

We hope to make some additional improvements for next year. We want to include more committee news and so encourage the Chairs to send in news and progress reports, as appropriate. We also need more member news, so let us know about your new publications, accolades, and triumphs--Don't be modest!

We need to know what we're doing--That's what the Newsletter is all about.

Respectfully submitted,
Connie Manson, Co-Editor

Publications Manager

Proceedings: There are 46 standing orders, a net loss of 3 standing orders. During this time period, the following volumes were sold: 4 of v. 20; 18 of v. 19; 5 of v. 18; 4 of v. 17; 3 of v. 16; 1 each of v. 12 and 13, 2 of v. 11, and 1 each of v. 9 and 10. Other distributions included 1 of v. 20 to resume a gift to the National Geological Library in Beijing; and 1 of v. 13 to our archives at their request. In March, I took delivery of 437 copies of v. 20 at a cost of \$ 3,184. Our unit cost, excluding postage, was \$ 8.29. Postage for most of the distribution was \$ 474. Our net unit cost of v. 20 was \$8.37. If any members have not received their copies, they should contact me ASAP. We have 10 or fewer copies of volumes 17, 18, and 19 in inventory. They will be OP in a few months. Members should purchase any back issues they need ASAP. I will be making arrangements to have University Microfilms assume distribution of these volumes.

Newsletters: There are 29 standing orders, a net gain of 3 standing orders. No back issues were sold.

Membership Directory: I expect to distribute the 1990 edition in early October.

Directory of Geoscience Libraries: Four copies were sold. Other distributions included: 5 to members of the Guidebook Committee and 6 to members of the

new Directory Committee. Sales completed after January 1, 1990 were at a discounted price of \$10 and volumes were accompanied with a note advising purchasers that a revision was in progress.

Mailing labels: Three sets were sold at \$100 each.

Careers brochure: Distribution continued.

Checklist for evaluating geoscience journals: No requests were received.

Geologic fieldtrip guidebook guidelines: Two requests were received. I could not locate any copies of the original, and I was not able to obtain a copy of the original from Claren, so I have held the requests, pending revision of the document.

I thank Aphrodite Mamoulides for distributing sales copies of our publications, and I thank the members of the Executive Board for their cooperation and support.

Respectfully submitted,
Louise Zipp

REPRESENTATIVES ANNUAL REPORTS

AGI Member Society Council

The first meeting of the AGI Member Society Council of my term was held on November 8 in St. Louis. The importance of communication among the 19 member societies is central to this meeting's function and each Society presents a report. The topic of major concern is the development of a broad-based strategy and curriculum of earth science in the K-12 levels. Dr. Marvin Kauffman's resignation was announced and plans were in progress to name an acting director (later announced as John Mulvihill) and organize a national search for an Executive Director of AGI. The American Institute of Hydrology submitted an application for membership.

The second meeting of the AGI Member Society Council was held June 6 in San Francisco at AAPG. Charles C. Groat has been named Executive Director of AGI. The American Institute of Hydrology is the 20th Society of AGI as that action was approved by ballot in February 1990 and was present at this meeting. Reports of the Member Societies are on file. Curriculum advances for earth science in the K-12 levels were again topics of considerable discussion. The Societies expressed an interest in GIS guidebook suggestions and in the legal action brought about by Gordon & Greach against Dr. Barshall and the various Societies.

Respectfully submitted,
Joanne Lerud

AGI GeoRef Advisory Committee

The GeoRef Advisory Committee (GRAC) met once this year on April 2, 1990 at AGI headquarters in Alexandria, VA. GRAC committee business was also conducted by letter and electronic mail during the year. The Committee is comprised of representatives from industry, government, and academia. Membership for 1990 is: William Hambleton (Chair), Kansas Geological Survey; John Aaron, USGS Reston; Julie Bichteler, Graduate School of Library and Information Science, University of Texas at Austin; Lou Parris, Exxon Production Research Co.; Miriam Sheaves, Geology Library, University of North Carolina; William Stanley, retired (formerly with AMOCO); and Clarence Sturdivant, Marathon Oil Company. John Mulvihill, Director of GeoRef Information Systems, is ex officio member.

The GeoRef Advisory Committee serves to make recommendations to the AGI Executive Committee on the policies of GeoRef and on such matters as products, budget, staffing, coverage, marketing, pricing, production methods and cooperative agreements, as these matters affect the policies of GeoRef. This is my third year of a three-year appointment on the GeoRef Advisory Committee.

The Committee carefully looks at GeoRef's budget several times each year. Many of the agenda items are closely tied to the budget, such as: status of implementation of new computer equipment, programming development efforts, and salaries of staff, particularly as it relates to turnover among the GeoRef indexing staff. Meeting at AGI headquarters allows the opportunity for GeoRef Advisory Committee members to meet and talk with the GeoRef staff, a time for exchange of ideas which we welcome.

This past year has been a transitional year for GeoRef in many ways, particularly with the change in Executive Directors of AGI. Charles G. Groat became AGI's new Executive Director in July, replacing Marvin E. Kauffman.

A major focus of the Committee during the year related to GeoRef on CD-ROM. Several CD vendors were studied for quality of product, features of product, marketing and customer relations, and pricing structure. The Committee and GeoRef recommended SilverPlatter as the vendor of choice, negotiated a contract, and then GeoRef began working with SilverPlatter on the details of features and production. I am very excited to say that by the time you read this, GeoRef on CD-ROM will be a reality!

I appreciate very much the opportunity to serve on the GeoRef Advisory Committee and to represent GIS in this important way. My sincere thanks to John Mulvihill and to all of you.

Respectfully submitted,
Miriam Sheaves

Cartographic Users Advisory Council

The representatives from GIS to the Cartographic Users Advisory Council (CUAC) are: (Representative) Charlotte Derksen and (Alternate Representative) Connie Wick. Derksen has served for the past two years as Chair of CUAC. GIS member Linda Newman has assumed chairmanship of CUAC as of June. Wick serves as CUAC representative to the National Geophysical Data Center and Derksen as CUAC representative to the USGS.

The CUAC annual meeting was held at the Government Printing Office in Washington, D.C. on March 28-30. Agencies represented at the meeting included: USGS (Geologic Division), Defense Mapping Agency, Library of Congress, Board of Geographic Names, Tennessee Valley Authority, Bureau of Land Management, and, of course, GPO. Partly at the instigation of some GIS members, a section of the meeting was devoted to policies and procedures of various government map cataloging groups; catalogers from the following agencies: LC - Geography and Map Division, USGS, National Agricultural Library, and GPO. The main accomplishment of the cataloging meeting was to allow the catalogers to talk together and to hear some of our concerns. Until the official minutes of the meeting are released, more details are not available.

The USGS is planning a CD-ROM series, which will be available on deposit. (The survey for this series has already gone out from GPO.) The USGS has taken over the publishing of the Circum-Pacific Maps from the AAPG. These maps are included in the "I" series, but will be labelled "CP#". The first of these, CP35, was included in a recent shipment.

Respectfully submitted,
Charlotte Derksen, GIS Representative

The Western Association of Map Libraries

The Western Association of Map Libraries (WAML) met twice in 1990. The Spring 1990 meeting was held at the University of Arizona in March. There were presentations on map cataloging, coordinated collection development, geologic mapping in Arizona, and mapping famine in Africa. The 35th anniversary of the University of Arizona Library's Map Collection was celebrated, and there was a field trip to the Arizona-Sonoran Desert Museum and Saguaro National Monument. Some attendees also had a chance to visit the Arizona Geological Survey.

The Fall 1990 WAML meeting was held at the Denver Federal Center. There were presentations by four federal agencies: the U.S. Bureau of the Census; the U.S. Bureau of Land Management; National Geo-

physical Data Center; and the National Park Service. Other presentations concerned the Hayden Survey maps of Wyoming, evaluation of Association of Research Libraries map collections, the new Geologic Map of North America, and early mapping of the Canadian Cordillera. Several facilities at the Federal Center were toured. Three highlights were trips to the USGS Map and Open-File Report Distribution Center, USGS Geographic Information Systems lab, and the USGS Map Editing office. The meeting concluded with a field trip to the Rocky Mountain National Park on its 75th anniversary.

The Spring 1991 meeting will be held at the University of California, Santa Barbara, and the Fall 1991 meeting will be held at the California State University, Chico. The 25th Anniversary Meeting will be held in Laie, Hawaii in Fall 1992.

WAML Occasional Paper No. 12, A cartobibliography of separately published U.S. geological special maps and river surveys, is now available.

Respectfully submitted,
Michael Noga

SECTIONS ANNUAL REPORT

Pacific Section

The Pacific Section continues to serve as a medium for enhancing communication and cooperation for GIS members in the Pacific Section region. Our annual dinner meeting will be held Monday, October 29, following the GIS business meeting.

COMMITTEE ANNUAL REPORTS

Membership Committee

The Membership Committee sent letters to 32 journal editors requesting them to publish information about the next GIS meeting in Dallas.

The membership brochure was revised and reprinted by Louise Zipp of the Publications Committee.

Membership forms and a presidential cover letter were sent to participants of the Ottawa international meeting.

The Chair wishes to thank the members of the Committee: Midge King, Carolyn Laffoon, and Faith Daniel.

Respectfully submitted,
Lois Heiser, Chair

Nominating Committee

The 1990 Nominating Committee consisted of Joanne Lerud (Chair), Jean Eaglesfield, and Miriam Sheaves. The slate of candidates consisted of Lois Heiser and Dena Fracolli for the office of Vice President/President Elect and Julia Triplehorn and Margy Walsh for the office of Secretary. Ballots were sent to all eligible voting members and representatives in June and counted the first weekend in August. Dena Fracolli was elected Vice President/President Elect and Julia Triplehorn was elected Secretary.

The Committee wishes to congratulate winners and remind the membership that the elected officers can't do it alone. The Committee is grateful to Lois Heiser and Margy Walsh for their participation in the selection process and their interest in the Society. A strong slate for elections is indicative of a healthy Society.

Respectfully submitted,
Joanne Lerud

Archives Committee

The Archives Committee was Jean Eaglesfield. Guidelines continue to be drafted. It is hoped that during next year, the Guidelines will be finished.

Respectfully submitted,
Jean Eaglesfield, Chair

GeoRef Users Group Steering Committee

This year has seen many changes affecting searchers of GeoRef. Margy Walsh has carried through with the request of the GeoRef Users Group to coordinate some of the testing of the reload of GeoRef on DIALOG. The reloaded, improved file should be available by October. Thanks to the comments of users, the collective input of the GeoRef Users Group, and Julie Bichteler's summary of the problems with GeoRef on DIALOG, we should have a much better version of the GeoRef file to search on DIALOG than we have had in the past. Barbara DeFelice, Charlotte Derksen, Suzanne Larsen and Margy Walsh of the Steering Committee, and Kathy Keefe, Barbara Haner and Barbara Rogers of the Users Group volunteered to participate in the testing of this reloaded file.

Highlights of the reload will be presented at the Advanced GeoRef workshop.

Charlotte Derksen and Barbara DeFelice of the Steering Committee, along with Sharon Tahirkheli of AGI, organized and presented the GeoRef workshop at GeoInfoIV, which was very well received.

The Steering Committee has organized the Beginning and Advanced workshops for the annual GSA conference, which provide respectively an introduction to online searching of GeoRef to beginning searchers, and an opportunity for experienced searchers to enhance and update their knowledge and skills. The Steering Committee has gathered information from the Users Group and the AGI staff in preparation for conducting the Users Group meeting.

Respectfully submitted,
Barbara DeFelice, Chair

Best Reference Book Award Committee

The Best Geoscience Reference Book Award Committee has selected the second edition of Encyclopedia of Minerals, by Willard Lincoln Roberts, Thomas J. Campbell, and George Robert Rapp, Jr. with photographs by Wendell E. Wilson for the 1990 award. The committee considered 14 titles that were published between 1988 and 1990. The list of titles was composed of suggestions by GIS members, titles from 1989 reference list which were still eligible, and from reviews in Choice, and Geotimes. The committee agreed upon this book as it represents a comprehensive reference for mineralogical data and includes information from the technological advances in equipment, new techniques, and computerization since the first edition of the encyclopedia was published in 1974.

The committee members were Barbara DeFelice, Lynne Fortunato, Barbara Haner, and Connie Wick, who appreciate the response of GIS members to their request for nominations and the support of the executive board.

Respectfully submitted,
Barbara E. Haner

Best Paper Award Committee

Extensive literature searches were conducted, and Committee members read and rated numerous articles on geoscience information. Consensus was reached that the winning article for the 1990 award (for a paper published in 1989) was that by Julie Bichteler and Dederick Ward, "Information-seeking behavior of geoscientists," which appeared in the Summer 1989 issue of Special Libraries. The Committee's recommendation was approved, and the winners were notified. Both authors indicated that they will be present at the meeting in Dallas to receive their award.

The citation has been prepared and will be framed soon. Announcements have been sent to Geotimes, C&RL, GSA News and Information, Special Libraries, and the University of Texas news service.

As the retiring Committee Chair, I thank GIS for this rewarding opportunity to serve the Society, and I thank the Committee members for their conscientious and thorough work.

Respectfully submitted,
Amanda R. Masterson, Chair

Collection Development Issues Committee

At the 1989 annual meeting in St. Louis, The Committee held an open meeting to present updates of various cost studies begun in 1987. The results showed substantial price increases in different types of geoscience literature, especially journals and trade monographs. A union list of cancelled serials was also distributed. These presentations were followed by general discussion of the crisis facing geoscience collection development and strategies for coping.

During the first year of its new status as a standing committee with the charge broadened to include all collection development issues, Committee members have discussed the draft "Operational Guidelines for the Collection Development Issues Committee" prepared by Mary Ansari, and, at Ms. Ansari's request, have taken under advisement the fate of the "Checklist for Evaluating Geoscience Journals." Several suggestions were made for revising the draft charge. No consensus was reached regarding whether or not the Checklist should be revised or completely discontinued.

In preparation for the 1990 annual meeting in Dallas, Committee members are updating project assignments from previous years, as follows:

Lois Heiser and Michael Noga - Price data for journals

Susan Klimley - Database of cancelled serial titles

Connie Manson - Price data for publications from state geological surveys

Julie Rinaldi - Price data for trade monographs

Rosalind Walcott (taking over for Marie Dvorzak)
- Price data for monographs published by associations and societies.

The Committee will hold an open meeting in Dallas to present an update on the above studies. The reports will be followed by a general discussion of desirable directions for the Committee during 1990/91. The Committee will meet in closed session afterwards to finalize recommendations regarding the draft charge and the "Checklist for Evaluating Geoscience Journals."

Respectfully submitted,
Julie Rinaldi, Chair

Digital Data Committee

The work of the committee has been confined to three activities this year. First was the research for and preparation for publication of the paper given by Jim O'Donnell and Charlotte Derksen at the GSA annual meeting last year. Secondly there was the research for and the presentation of the paper at GeoInfo IV in Ottawa, "Locally mounted databases on the hydrosphere, atmosphere, and lithosphere." Finally, we have worked on the organization of the database forum to be held Thursday morning at the GSA annual meeting. Next year it is planned to do a review column on new data products for the GIS Newsletter.

Respectfully submitted,
Charlotte Derksen, Chair

Ad Hoc Committee for the Union List of Geologic Field Trip Guidebooks, 6th edition

The Guidebooks Committee met at GIS/GSA in St. Louis and decided to begin data collection during 1990. The purpose of this first round of data collection is 1) to provide AGI with some new holdings and entries which can be entered into the database on a continuing basis and 2) to assist AGI in creating a checklist of 1986-1990 guidebooks to circulate to all potential contributors during the summer of 1991. Rich set a tentative agenda for the committee for completion of the project over the next 3 years. Two new members were appointed to the committee: Midge King for western Canada and Mary Spencer for the southeastern U.S. The smaller regions this time will help us to pursue contributing libraries more aggressively. No member has yet volunteered to take on Mexican libraries. AGI has sent a printout of its holdings to each library that participated in the 5th edition, along with a note asking for those libraries to make corrections and to encourage them to send additional holdings for items already listed in the 5th edition directly to AGI. Rich followed up with a note to all potential contributors in the April GIS Newsletter. AGI sent each committee member a working copy of the 5th edition. Those with area assignments also received extra copies of the 1989 GIS Membership Directory and the 1986 Directory of Geoscience Libraries. This spring each committee member with an area assignment is contacting 3-6 libraries which are likely to hold large numbers of or unique titles of guidebooks. Data collected will be brought to GIS/GSA in Dallas to be collated and organized to submit to AGI. Each of these committee members will also prepare a list of potential contributing libraries for their area to give to AGI by that time. Rich is working with Joan Sandoz to arrange a visit to AGI during the next two months to help develop a feel for ways the committee can best interact with AGI during the next 3 years. Format of the new product will be a

strong topic of discussion with AGI as we approach the publication date.

Respectfully submitted,
Rich Spohn

Ad Hoc Committee for the Fifth International Conference

After much preliminary planning by a large group of representatives of the many sponsoring agencies and organizations for GeoInfo IV (as the Ottawa conference was called by its organizers), an invitation was extended to a delegation from Czechoslovakia at a dinner meeting on Monday, June 25. The dinner was called by the GeoInfo IV organizers and I was invited as the GIS representative. The invitation was accepted by Madam Jita Bradacova and Madam Eva Zachrova. George Hruska also was present and served as translator (as needed). Indeed the delegation had already made preliminary arrangements for hotels in Prague anticipating its acceptance of the invitation. There is also a three country field trip planned and visa problems are already being addressed. If the enthusiasm continues we should have another great meeting in 1994. Your reporter is looking forward to an "inspection" trip in 1992.

An official announcement and formal acceptance were made at the closing luncheon on Thursday. New developments, if any, will be reported at Dallas in November.

Respectfully submitted,
Richard D. Walker, Chair

Ad Hoc Gala 25th Anniversary Celebration Committee

Committee members were: Marie Dvorzak, Jean Eaglesfield (Chair), Claren Kidd, Skip McAfee, Connie Manson, Linda Newman, Janice Sorensen, Richard Spohn, Dedie Ward and Elaine Watson.

The Committee was active throughout the year making decisions and drawing up plans for the celebration at the Dallas meeting. We arranged to have founders awards made; we decided on the type of publications to produce and produced those; we decided on the gala souvenirs to make and had those made. We compiled lists of founders and all former officers. We were moderately successful in finding current addresses of these people and submitted an article to the Newsletter listing those addresses that we did find. We did a mailing to all these people informing them of the Anniversary Celebration and requested that they attend. We also sent them the registration packet.

The enthusiasm of Committee members is a true mark of how important GIS is to many of us as members gave generously of their time and efforts throughout the year.

Respectfully submitted,
Jean Eaglesfield, Chair

CLIPPINGS AND GREETINGS FROM THE GALA 25TH ANNIVERSARY COMMITTEE

The Committee tried to find the current addresses of all the founding members and former officers of GIS. We were moderately successful in this endeavor. Below is a list of addresses of those that we found who are not already in the current (1989) GIS Membership Directory:

JOHN CRISSINGER
(Treasurer, 1984, 1985)
Director
Roy Hammer Library
Ambassador College
P.O. Box 111
Big Sandy, TX 75755

BARBARA MAE CHRISTY
(Secretary, 1975)
5037 Linette Lane
Annadale, VA 22003

KATHRYN CUTLER
(Secretary, 1972)
2363 Sharon Oaks Drive
Menlo Park, CA 94025

VIVIAN S. HALL
(President, 1976)
306 Clinton St.
Georgetown, KY 40324

HARRIETT LONG
(Treasurer, 1965, 1966)
7655 Watson Road
Apt. 168
St. Louis, MO 63119

ROBERT MALINWOSKY
(President, 1970)
Main Library
University of Illinois at Chicago
801 S. Morgan St.
Chicago, IL 60680

HARTLEY K. PHINNEY
(President, 1973)
Institute of Paper Chemistry
575 14th St., N.W.
Atlanta, GA 30318

MARY SCOTT
(Secretary 1976, 1977;
President, 1982)
Mathematics Library
Ohio State University
010 Math Building
231 W. 18th Ave.
Columbus, OH 43210

EVELYN SINHA
(President, 1974)
733 Kline St. #109
LaJolla, CA 92037

HARRIET E. WALLACE
(Secretary 1965,1966
President 1967)
1312 So. Race St.
Urbana, IL 61801

ELEANORE E. WILKINS
(Secretary, 1968;
President, 1969)
1347 American Way
Menlo Park, CA 94025

GREETINGS FROM FORMER OFFICERS

The Celebrations Committee asked former officers and founders if they had anything to say to the membership and these are the responses that were sent to us:

From BARBARA CHRISTY: ..."I feel quite away from so many of GIS daily concerns...I'm here (Library of Congress) if anyone would like assistance on something. Every good wish for a very very splendid celebration!

From HARRIET LONG: "Congratulations to GIS on its 25th Anniversary. Greetings to all of you. Have a great time. I was honored to be the first Treasurer of GIS. All of the first officers were enthusiastic and anxious for GIS to be a success. It has been. Foster Smith and Ruth Bristol are to be given credit for the idea for such a society... I met many librarians in my field and looked forward to getting together at the Annual Meetings. I always went back to our library at Washington University with new ideas and enthusiasm. I wish GIS another 25 years.

From EVELYN SINHA: "My very best wishes to all and keep up the good work. When you are in San Diego, stop by to see me."

From NANCY PRUETT: "I am in charge of History, Archives and Records Management at Sandia now ... I miss geoscience and I miss GIS'ers, but am having fun ... Have a wonderful 25th.

MORE NEWS AND TIPS ABOUT DALLAS VISIT THE DALLAS PUBLIC LIBRARY

The Gala Anniversary Committee reminds conventioners that the Dallas Public Library central location is right across the street from the convention center and is well worth seeing. It is the largest public

library central building in the country. Exhibits are on the Ground Level and 7th floor. The Business and Technology Division is located on the 5th floor. Hours of this building are: Sat., 9 am to 5 pm; Sun., 1-5 pm; Mon-Thurs., 9 am to 9 pm. At the Information Desk on the Ground Floor there are flyers called "Almanac" which list the month's events.

The Committee did not arrange any specific tours but rather suggest that GIS'ers take some time to stroll through this impressive library on their own.

NEW MEMBERS

Personal

Noelle Grande
214 Grant St.
Centerport, NY 11721
(student)

Linda Musser
Box 73
Bellefonte, PA 16823
(Employer: Pennsylvania State University, Earth and Mineral Sciences Library)

Jorgina Ross
218 Arizona
Lawrence, KS 66046
(Employer: Kansas Geological Survey)

Mary Scott
Mathematics Library
110 Math Bldg, 231 W. 18th Ave.
The Ohio State University
Columbus, OH 43210

Susan Stewart
Chevron Chemical Co.
1301 McKinney Ave., Rm. 2810
Houston, TX 77010

Institutional Member

Union Pacific Resources Company
Technical Information Center
MS 3701
801 Cherry Street
Fort Worth, TX 76102

ANNOUNCEMENTS

The American Geological Institute (AGI) is offering 80 minority geoscience scholarships to be awarded for the 1990-1991 academic year. The value of the awards, to be given to Black, Hispanic, and

Native American undergraduate and graduate geoscience students, will total \$ 221,000. This substantial increase from the 1989-1990 level of \$ 36,750 is due largely to a grant from the National Science Foundation.

The deadline for all application materials is Feb. 1, 1991. For more information, contact Marilyn Suiter, Director, AGI Minority Participation Program, American Geological Institute, 4220 King Street, Alexandria VA 22302, or call 703/379-2480.

MEETINGS AND COURSES

In celebration of its 60th anniversary, the Geological Institute of America is hosting the International Geological Symposium, "Facing the Future," June 20-24, 1991, in Los Angeles. The Symposium program will feature technical sessions and panel discussions on a variety of topics of vital interest to members of the gem and jewelry industry. An open poster session is planned for which volunteered contributions are being solicited.

Preliminary abstracts should be received by November 1, 1990. For further information, contact Dr. James Shigley, Ms. Dona Dirlam, or Dr. Emmanuel Fritsch at 213/829-2991, or 800/421-7250, or FAX 213/829-2269.

These short courses are offered by the National Water Well Association (NWWA):

MODFLOW for simulation of ground water flow and advective transport - November 5-9, 1990; Las Vegas

Theory and application of vadose zone monitoring, sampling and remediation - November 6-8, 1990; Las Vegas

Critical issues in underground storage tank management - November 6-8, 1990; Las Vegas

Legal implications of environmental site assessments - November 9, 1990; Las Vegas

Comprehensive ground water contamination management--A short course for environmental professionals in industry - November 14-16, 1990; Orlando, Florida

Practical karst hydrogeology with emphasis on ground water monitoring - November 26-30, 1990; Cave City, Kentucky.

For additional information, contact Vaughn Shelton or Marsha Fickle at the NWWA Education Department, 6375 Riverside Drive, Dublin, OH 43017; 614/761-1711; Fax 614/3446.

Connie Manson - Co-Editor
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