



# newsletter

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## FROM THE EDITORS

This issue includes an index to the *Newsletter* for 1985. The index is intended to highlight interesting items rather than to be comprehensive. We welcome your comments about it.

If you'd like to submit a profile of your library, please feel free. It doesn't have to be long and detailed, just a general description of your library's subject areas and special collections will do, with comments on your locations, hours, services, etc.

Two items were received too late to be included in this issue. Please remember to send your materials to us by the deadline. (The deadline for the April issue is March 15.)

We look forward to bringing you another year of the *Newsletter*, with more news, articles and features. We welcome your contributions and your comments.

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## 1985 GIS OFFICERS

### PRESIDENT

Annette E. Bourgeois  
Library  
Geological Survey of Canada  
601 Booth Street, Room 350  
Ottawa, Ont. Canada K1A 0E8  
613/995-4163

### PAST PRESIDENT

Claren E. Kidd  
Geology Library  
University of Oklahoma  
830 Van Vleet Oval, Room 101  
Norman, OK 73019  
405/325-6451

### VICE PRESIDENT and PRESIDENT ELECT

Robert A. Bier, Jr.  
Library  
U.S. Geological Survey  
Box 25046, MS 914  
Denver, CO 80225  
303/236-1004

### SECRETARY

Connie S. Wick  
Geological Sciences Library  
Harvard University  
24 Oxford Street  
Cambridge, MA 02138  
(617) 495-2029

### TREASURER

Mary B. Ansari  
Mines Library  
University of Nevada, Reno  
Reno, NV 89557-0044  
(702) 784-6596

### EDITORIAL BOARD CHAIRPERSON

Miriam L. Sheaves  
Geology Library  
Mitchell Hall 029A  
University of North Carolina  
Chapel Hill, NC 27514  
(919) 962-2386

### EDITORS

Judy Geitgey  
2015 W. 27th Avenue  
Eugene, OR 97405  
(503) 686-3075

Connie Manson  
2525 Sleater Kinney Rd. N.E.  
Olympia, WA 98506  
(206) 459-6372

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GIS members are encouraged to contribute articles or news of general interest to the membership. Please send any manuscripts to the Chairperson of the Editorial Board. All other items, such as citations, letters to the editor, job announcements, publication notices, and general news should be sent to the Newsletter Editor.

Material for the April Newsletter should be received by the editors no later than March 15, 1986.

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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 \$30.00 per year and is included in the Society's annual membership dues. All correspondence relating to dues, membership status and address changes should be directed to the GIS Secretary.

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## MINUTES: GEOSCIENCE INFORMATION SOCIETY

1985 Annual Business Meeting  
October 29, 1985, Orlando, Florida

Thirty-nine members attended the meeting, which was called to order at 8:35 a.m. by GIS President Claren Kidd. She requested that for the benefit of new members everyone identify themselves when making comment during the meeting and that discussion of committee reports be limited to 10 minutes.

APPROVAL OF 1984 MINUTES: The 1984 Annual Business Meeting minutes were approved as published in the Dec. 1984 *GIS Newsletter*.

### REPORTS

SECRETARY'S REPORT: Connie Wick's report was published in the Oct. 1985 *GIS Newsletter*. Claren Kidd reported for C. Wick (who is on maternity leave from work and GIS) that as of October, 1985 the Society has 232 personal members in the U.S. and 37 personal members from other countries. Corporate memberships numbered 44. C. Kidd also reported that C. Wick plans to return to work Feb. 1, 1986.

TREASURER'S REPORT: John Crissinger's report was published in the Oct. 1985 *GIS Newsletter*. Since then expenses of c. \$800 have been incurred. The savings account balance is c. \$11,000 and is invested in a certificate of deposit that will expire May, 1986.

ANNUAL MEETING PROGRAM: Annette Bourgeois reviewed the upcoming program.

EXHIBITS: John Crissinger announced the location of the GIS exhibit booth in Booth 234. The booth has new lettering on the back drop. He made a plea for new pictures of what people are doing in their libraries to replace the old pictures still in use.

PUBLICATIONS: Jim O'Donnell's report was published in the Oct. 1985 *GIS Newsletter*. As of Oct. 1985 there were 43

standing orders for the *Proceedings* and 24 subscriptions to the *GIS Newsletter*.

NEWSLETTER CO-EDITORS: Judy Geitgey's and Connie Manson's report was published in the Oct. 1985 *GIS Newsletter*. Connie Manson added that additional changes in format and a possible name change were under consideration.

### REPORTS OF COMMITTEES

NOMINATING: Unni Rowell announced the election results. The new officers are Robert A. Bier, Jr., Vice President-President Elect, and Mary B. Ansari, Treasurer.

MEMBERSHIP: Dena Fracolli Stepp's report was published in the Oct. 1985 *GIS Newsletter*. In addition, in Dena's absence, Claren Kidd reported that membership renewal forms will be mailed out with the Dec. 1985 *GIS Newsletter*. \* In order for persons to receive the *GIS Newsletter*, Membership Directory, and *Proceedings*, memberships must be renewed by March 1, 1986.

BEST PAPER AWARD: Rosalind Walcott's reported appeared in the Oct. 1985 *GIS Newsletter*. The major activity of the year was the development of guidelines for the award. Nominations for best paper were called for in the Aug. 1985 *GIS Newsletter*, but none was received. R. Walcott summarized the guidelines and encouraged members to send her nominations at any time during the year.

NEWSLETTER EDITORIAL BOARD: No changes were reported from Miriam Sheave's

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\* Editors' note: The renewal notices were not mailed with the December Newsletter but were mailed separately (we didn't get our act together in time). If you haven't yet received your renewal form, please contact Connie Wick.

— Ed.

report, which was published in the Oct. 1985 *GIS Newsletter*.

GEOREF USERS GROUP: Nancy Pruett reminded members of a meeting of the Group tomorrow [Oct. 30]. She reported that much progress had been made in solving the GeoRef problems pinpointed in last year's questionnaire, which was the subject of a paper in the 1984 *Proceedings*.

#### AD HOC COMMITTEES

CAREERS IN GEOSCIENCE INFORMATION: Nancy Crossfield was not present to report. Unni Rowell expressed a concern that the career brochure needed updating.

CRITERIA FOR REVIEWING GEOSCIENCE JOURNALS: John Crissinger's report is in the Oct. 1985 *GIS Newsletter*. John reported that since then the criteria have been distributed to the Executive Board. Comments from the membership will be requested when, in the near future, the criteria are published in the *GIS Newsletter*.\*\* After that, the criteria will be sent to geoscience journals, such as *Geotimes* and *Episodes*.

DIRECTORY OF GEOSCIENCE LIBRARIES: Nancy Crossfield's report was included in the Oct. 1985 *GIS Newsletter*. Claren Kidd added that the *Directory* should be published soon and that the Executive Board would be establishing a price for it. A motion by Jim O'Donnell, that the *Directory of Geoscience Libraries* be sold at close to cost to members and at a higher price through the publications list, was passed.

GUIDEBOOKS, 4th EDITION: Beatrice Luken's report was published in the Oct. 1985 *GIS Newsletter*. Bridgetta Cobb reported the 4th edition to be two-thirds completed. It is already on AGI's list of publications soon to be released.

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\*\* Editor's note: The criteria were published in the December, 1985 issue.

GUIDEBOOKS, 5th EDITION: Charlotte Derksen is chairing this committee; other members are Claren Kidd, Dena Fracolli Stepp, and Richard Spohn. The Committee has just received the first sample printout of sample entries for the 5th edition from AGI. The group will be discussing the sample at a meeting later in the day. A discussion ensued concerning the usefulness of the holdings listings in the union list. It was concluded that this is a controversial issue that warrants further consideration.

LIAISON FOR IMPROVED INDEXING WITH LC AND OTHER INDEXING INSTITUTIONS: Elizabeth Morrissett's report is in the Oct. 1985 *GIS Newsletter*. A major stride for the year is that the Library of Congress hired a cataloger for the geosciences. E. Morrissett needs some volunteer consultants to work with her on compiling a list of about 100 formation names to be presented to the Library of Congress with a request that they be used by LC in their stratigraphic subject cataloging. She recommended that GIS start with formation names and expand the campaign from there. She encouraged members to volunteer as consultants for the project.

1988 GSA CENTENNIAL MEETING COMMITTEE: Dederick Ward's report was published in the Oct. 1985 *GIS Newsletter*. At the business meeting D. Ward put forth several ideas for members to consider for the 1988 meeting, which culminates the Decade of North American Geology. He emphasized that he felt that GIS members should try to mix more with the geologists at this meeting and that our activities should be planned with this in mind. Members of the 1988 GSA Centennial Meeting Program are D. Ward (chair), Robert Bier, Fran Drummond, Hart Phinney, and Unni Rowell. Serious planning for this special happening will transpire at next year's meeting in San Antonio.

THIRD INTERNATIONAL CONFERENCE ON GEOLOGIC INFORMATION: Nancy Pruett's report is in the Oct. 1985 *GIS Newsletter*. At the meeting N. Pruett reported

that the 2nd circular on the meeting would soon be out and encouraged as many who could to attend.

**UNIVERSITY MICROFILMS/MAP STANDARDS:** Susan Klimley reported that because of other commitments she can no longer chair this committee. There is a lot of work to be done but, thus far, no one has consented to chair this committee. If GIS has no interest, the charge might be turned over to or be shared with CUAC.

#### REPORTS OF REPRESENTIVES

**AMERICAN GEOLOGICAL INSTITUTE:** Unni Rowell's report was published in the Oct. 1985 *GIS Newsletter*. There is nothing to add except that there is a new edition of the career vignette.

**CARTOGRAPHIC USERS ADVISORY COUNCIL:** Nancy Pruett announced that CUAC would be meeting in Washington, D. C. Jan. 5 - 6, 1986. CUAC is composed of two representatives each from GIS, SLA, ALA, and the Western Association of Map Libraries, who meet with various federal agencies that produce maps to encourage these agencies to improve their depository or other map distribution programs. Charlotte Derksen and Nancy Pruett represent GIS on CUAC.

**CARTOGRAPHIC INFORMATION SOCIETY:** Nothing to report.

**GEOREF ADVISORY BOARD:** Nancy Pruett's report is in the Oct. 1985 *GIS Newsletter*. In addition, she mentioned that the Board was working on certain structural problems that need to be worked out with AGI.

**SPECIAL LIBRARIES ASSOCIATION, GEOGRAPHY AND MAP DIVISION:** There was nothing to add to Dorothy McGarry's report, which appeared in the Oct. 1985 *GIS Newsletter*.

**SPECIAL LIBRARIES ASSOCIATION, PETROLEUM DIVISION:** Nothing to report.

**SPECIAL LIBRARIES ASSOCIATION, 1986 ANNUAL MEETING:** Jean Eaglesfield announced that the meeting is to be in

Boston in June, 1986. Jean is planning activities for the Geography and Map Division.

#### OLD BUSINESS

**INCREASE IN DUES:** At last year's business meeting the membership asked the Executive Board to come up with a proposal for increasing dues. The Executive Board recommended that GIS personal dues be raised from \$20 to \$30 and corporate dues from \$30 to \$50; sustaining member dues would be unchanged. A motion to this effect was made by Jim O'Donnell. The motion was approved and will go into effect with the announcement concerning membership renewals to appear in the Dec. 1985 *GIS Newsletter*.\* This will necessitate the printing of a new membership brochure.

**AMERICAN GEOLOGICAL INSTITUTE CONGRESSIONAL FELLOW:** Once again AGI has asked GIS for \$500 to go toward the support of a Congressional Fellow in Washington, D. C. Thus far, AGI has not been able to raise sufficient funds from other member societies to support a Fellow. A motion was made and passed that GIS offer \$500 to AGI to support a Congressional Fellow.

**AMERICAN GEOLOGICAL INSTITUTE GEOSCIENCE MANPOWER STUDY:** Unni Rowell reported that an AGI Manpower Advisory Committee has put together a questionnaire to survey the educational background, subject specialties, salaries, and employment situations for the broad range of personnel in the geosciences. The questionnaire has been reviewed by U. Rowell and Claren Kidd. AGI wants GIS to contribute \$100, which is prorated, to support the distribution and analysis of the questionnaire. A motion was made and approved that GIS give AGI \$100 toward the support of the questionnaire contingent upon GIS's input having been incorporated into the final questionnaire, with the final decision on financial support resting with the GIS

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\* Editor's note: See Editor's Note, page 3.

Executive Board after having examined the final questionnaire.

U.S. NATIONAL ATLAS: Jean Eaglesfield announced that there is now a National Atlas Project Office, with a staff of four, within the U.S. Geological Survey. The revisions to the 1970 Atlas will come out sheet by sheet. A complete, bound atlas will not be available for a very long time. Because of uncertain funding by USGS, GIS needs to continue pressuring to see that this project is finalized.

#### NEW BUSINESS

AD HOC COMMITTEE ON DISPERSING FINANCIAL SUPPORT FOR THE THIRD INTERNATIONAL CONFERENCE ON GEOLOGICAL INFORMATION: Committee members are Rosalind Walcott, Unni Rowell, and Claren Kidd. An article in the Apr. 1985 *GIS Newsletter*, p. 14, described how the funds from the Second International Conference were to be used to lend financial support for GIS participants in the Third International Conference. The maximum individual award is \$1000, and total awards to all requestors will not exceed \$8000. Requests for support from participants must be submitted to the Committee by Feb. 1, 1986. The Committee will inform requestors of the exact amount of support by the end of February.

POSSIBLE SALE OF THE GIS MAILING LIST: Various publishers and other groups have been inquiring about how to purchase the GIS mailing list. Since it was the concensus of the group that the mailing list should be made available, a motion was made that GIS have a policy of a two-tier structure for sales (or lease) of the mailing list, with the two-tier pricing to be at the discretion of the Executive Board. The motion carried.

GIS ARCHIVES: Dederick Ward reminded members the the University of Illinois, Champaign-Urbana, is the location of the GIS archives and also the archives for the First and Second International Conferences on Geoscience Information. The question came up of what was considered

significant enough to be included in the archives. Connie Wick will be asked to publish some guidelines soon in a *GIS Newsletter*.

Claren Kidd reminded the membership that GIS is now 20 years old. Two founding members, Vivian Hall and Dederick Ward, were present at the 1985 business meeting. Several new GIS members and first-time meeting attendees were introduced. C. Kidd announced that the Executive Board decided to increase the subscription price for the *GIS Newsletter* to \$30 in North America and \$40 outside North America. The 1985 *Proceedings* will be \$35 on standing order, which represents an increase from \$20.

Charlotte Derksen announced that Stanford has changed its collection development policy and now will be comprehensively collecting reports, including open-files, from state geological surveys. They will not go into RLIN, however, but will be included in the technical reports file.

David Reade brought up the problem of getting the Geological Survey of Canada to accept standing orders. A motion was made and carried that the GIS President be mandated to write a letter to the Geological Survey of Canada (GSC) urging the GSC to implement a policy for standing orders and deposit accounts.

Nancy Pruett suggested that the Executive Board consider establishing an award for the best geoscience publication of the year. A motion was made and carried that GIS write a letter to the Library of Congress requesting that LC add the GeoRef Thesaurus to their approved list of thesauri.

Three job openings were announced. Robert Bier announced that he is looking for ideas for next year's symposium topic. One idea he is considering is having non-GIS geoscientists talk to us about how we are serving the profession. Susan Klimley suggested that presentations should be more evaluative and less descriptive.

Claren Kidd closed the meeting by reading a certificate of appreciation she had made for Reggie Brown for Reggie's eleven years of service as editor of the *GIS Newsletter*. Claren thanked everyone, with special thanks to Unni Rowell, for their outstanding work over the year.

The meeting was adjourned at 11:15 a.m.

— *submitted by:* Mary B. Ansari,  
for Connie Wick, Secretary

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## POLICY STATEMENT FROM AGI: DOWNLOADING GEOREF RECORDS

As personal computers and database-search software proliferation, it is becoming common for GeoRef searchers to save their searches in computer-readable form. ("Downloading" is the computer-jargon name for this practice.) For example, some users store GeoRef searches to build specialized data bases, and others save searches to edit or reformat the citations using a word processor.

The American Geological Institute's 1986 downloading policy statement encourages searchers to make the fullest use of information retrieved from the data base. Individuals and organizations may freely download references for search editing with the understanding that the citations will not be retained once the editing is complete. Searchers are encouraged to edit and reformat GeoRef citations to produce a better product for the end user. For example, an on-line search may be written to disc and then edited using word processing or other software. The GeoRef citations might be sorted and merged with others before listing. After the editing is complete and the results listed, the GeoRef citations are discarded.

The new policy makes a clear distinction between downloading for temporary use (as in the example above) and downloading for permanent retention and reuse (to build a data base). When citations are to be retained and reused, an individual may download GeoRef records to create a personal "card file" without restriction, but an organization must pay a nominal fee before downloading from GeoRef.

The annual charge is based on the number of citations an organization intends to download for retention during the coming year. (The annual downloading fee is in addition to online charges for obtaining the citations.) Payment entitles an organization to incorporate the downloaded citations into a data base for the continued use of its employees and those of its subsidiaries. The downloaded citations can then be searched and copied within the organization without any further charges. Users should note that the GeoRef citations remain the property of the American Geological Institute, and that they may not be transferred to third parties without authorization from AGI.

The fee schedule for 1986 ranges from \$160 for 1000 citations to \$3,360 for 30,000 citations and is payable prior to downloading. Organizations wishing to download GeoRef records in 1986 for retention should contact Kay Yost at the American Geological Institute, 4220 King Street, Alexandria, VA 22302, or call toll free: 1-800-336-4764. (Questions concerning this policy should be directed to John Mulvihill.)

— *from* GeoRef Press Release, Jan. 8, 1986.

## GEOREF COORDINATES SEARCHING: PANACEA OR PROBLEM?

by

Marilyn Stark  
Colorado School of Mines

Searching GeoRef by coordinates of latitude and longitude is still a problem, according to librarians at the GeoRef Advanced User Workshop in Orlando. Researchers often come to me with Township, Range, and Section and expect correct and precise results, so I wish coordinates would work better in the database. Searching by coordinates of latitude and longitude is useful for oceans, otherwise unnamed areas of Alaska, and other large areas without specific descriptors. My major success with coordinates was for sediments next to the Arabian Shield, on land but without other descriptors.

GeoRef has indexed by coordinates since 1977, and about 40% of current entries are indexed by coordinates. The area must have recognized, generally agreed boundaries. If an area such as the Powder River Basin has coordinates listed in the Thesaurus, that does *not* mean that those coordinates are automatically assigned each time. Locations within the Powder River Basin, such as samples from various areas, would not be assigned coordinates. In addition, coordinates are assigned only if the location is specific and can't be easily defined as a political entity. For instance, a map of California would not be assigned coordinates, because searching under California would retrieve the map.

When GeoRef began indexing by coordinates that indexing was intended to replace other types of indexing. However, current practice results in county, state, country or basin names as the primary access points for geographic information.

As presently structured, coordinates searching often adds a wider geographic area than is needed. For instance, a search from 16° to 17° will also retrieve

hits beginning at 17° and ending at 18°, or beginning at 15° and ending at 16°. Therefore, many false hits will result. Search coordinates of less than 1° do not usually give good results. Materials are often indexed to the degree or half-degree level. When Orbit reloads, the present 5° system plus Stringsearch will be replaced by a 1° system including "greater than" and "less than" capabilities.

Some general hints for searching by coordinates include:

1. Search coordinates from small to larger numbers
2. Search latitude with 6 digits and longitude with 7 digits, and include appropriate direction, such as N. It's easy to concentrate so hard on the correct number of digits that the direction is left out
3. If search land areas, include name of state or country for better precision
4. Search using coordinates of 1° or more

I believe coordinates searching is time consuming and difficult to understand, and therefore rarely used. Researchers believe it's the absolute answer, and sometimes it really is a panacea, but more often it's a problem, at least to this searcher. Many searchers think that they're doing something wrong, because the search results are unsatisfactory. When we discuss searching, however, it becomes evident that the system's indexing and database loading practices result in unusual hits, even if the 6 and 7 digit coordinates are entered correctly.

Using coordinates carefully and appropriately can improve results, when you



know how and when coordinates are added to database entries. Coordinates should be used in conjunction with other keywords in searching. These opinions were stated at the GIS meeting in Orlando, and AGI generally agreed about the current searching problems. Some of the problems can be solved with reloading by Dialog and SDC, but coordinates should still be used with caution.

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### MEMBERS IN THE NEWS

DONALD B. McINTYRE, Professor of Geology, Pomona College, was among the 10 finalists for the Council for Advancement and Support of Education (CASE) 1985 Professor of the Year. This annual competition is funded by the Carnegie Foundation for the Advancement of Teaching.

### NEW MEMBERS

Russell Guy  
Geoscience Resources, Inc.  
P. O. Box 2096  
Burlington, NC 27215

John Kawula  
University of Idaho Library  
Moscow, ID 83843

### ANNOUNCEMENTS

#### GLOSSARY OF GEOLOGY EDITORS SEEK NEW TERMS AND DEFINITIONS

Work is beginning on the third edition of the *Glossary of Geology*, and the editors, Robert L. Bates and Julia A. Jackson, request help identifying new terms and definitions, changes in usage, and changes to be made to the current edition. The third edition will incorporate modifications and growth of the geoscience vocabulary; the editors are especially interested in changes since 1979. In the new edition, the longer earth-science terms will be divided into syllables, and syllables to be accented will be marked.

Please send your contributions (by April 1) to Julie Jackson, Editor, American Geological Institute, 4220 King Street, Alexandria, VA 22302.

### PUBLICATIONS

*Recent interpretations of the Late Paleozoic cyclothems* is now available from the Kansas Geological Survey. This Guidebook and Proceedings of the 3rd Annual Meeting and Field Conference of the Mid-Continent Section of SEPM includes papers on the origin and significance of cyclothems, and on the stratigraphy, sedimentology, paleontology, and organic and trace metal geochemistry of the black shales of Late Paleozoic strata in the Mid-Continent (Kansas, Oklahoma, Texas, Missouri, Iowa, and Illinois).

The volume sells for \$13.00 from:

Publication Sales Office  
ATTN: Cathy Evans  
Kansas Geological Survey  
1930 Constant Avenue  
University of Kansas  
Lawrence, KS 66046-2598

For orders of \$2.01-\$25.00, add \$2.00 for shipping and handling; for orders over \$25.00 add \$3.00. (Kansas residents add 3 1/2% sales tax.)

#### NEW STATE GEOLOGIC MAPS AVAILABLE

The *Geologic map of Louisiana*, by the Louisiana Geological Survey, 1985, (scale 1:500,000) is available for \$10 from:

Department of Natural Resources  
Louisiana Geological Survey  
P. O. Box G, University Station  
Baton Rouge, LA 70893

The *Bedrock geologic map of Connecticut*, compiled by John Rodgers, 1985 (scale 1:125,000) is available from:

Connecticut Natural Resources Center  
Department of Environmental  
Protection  
165 Capitol Avenue, Room 555  
Hartford, CT 06106

## JOB ANNOUNCEMENTS

HEAD, GEOLOGY-GEOPHYSICS LIBRARY,  
UNIVERSITY OF CALIFORNIA, LOS ANGELES

This position has been reopened. The salary range is \$22,872-\$37,572, and the closing date is February 1, 1986. For further details please refer to the August, 1985 *GIS Newsletter*.

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INFORMATION SPECIALIST FOR ENGINEERING,  
LIFE AND HEALTH SCIENCES AND MINES,  
UNIVERSITY OF NEVADA RENO

Position open - July 1, 1986

RESPONSIBILITIES: Seek energetic, creative librarian with broad experience in subject areas such as agriculture, life sciences, engineering, or geosciences to develop information services in three branch libraries located in three separate buildings. Duties include reference service and computer searching in AGRICOLA, BIOSIS, COMPENDEX, GEOREF, INSPEC, METADEX, NTIS, and other science/technology databases. Other duties include collection development in the life sciences and engineering and some bibliographic instruction. Reports to the Librarian for Engineering, Life and Health Sciences, and Mines.

QUALIFICATIONS: MLS or equivalent fifth year degree in Library Science from an ALA accredited graduate Library School. Appropriate public service experience in a science or engineering library or with science/engineering materials. Extensive computer searching experience required and experience with microcomputers desirable. Strong communications and interpersonal skills. Faculty status requires librarians to meet faculty standards for appointment, promotion, and tenure.

SALARY: Range of approximately \$24,000 to \$32,000 depending upon qualifications and experience.

FRINGE BENEFITS: TIAA/CREF; 24 working days vacations per year; generous sick leave.

APPLICATIONS: Please send letter of application, resume and names and addresses of three references on or before April 1, 1986 to:

Mrs. Ruth H. Donovan  
Associate Director of Libraries  
University of Nevada, Reno Library  
Reno, Nevada 89556-0044

Selection will be made by the Director of Libraries, subject to the approval of the President, from a group of top candidates selected by a screening committee.

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, creed, color, sex, age, national origin, handicap or veterans status in any program or activity it operates.

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## INSTRUCTIONS FOR CONTRIBUTORS

The GIS Newsletter welcomes original, previously unpublished English language papers related to geoscience information. Manuscripts should be typed on opaque paper, on one side only, double-spaced throughout, with 3 cm margins on all sides, and all pages numbered consecutively. Length should not exceed 12 pages.

The title page should include the title, the name(s) of the author(s) and their institutional address(es). References should be mentioned in the text (author and date), with a list of "References cited" appearing at the end of the paper, following GSA reference style. Provide on a separate sheet an informative abstract of no more than 200 words and a biographical sketch of the author(s), of

no more than 100 words, which includes current position and education.

Clear, black and white (glossy) photographs and illustrations with strong contrast should be submitted on separate sheets from the text and numbered consecutively in order of reference in the text. Tables and figures should be submitted on separate sheets from the text, numbered, and referred to in the text by number.

Send two (2) copies of the manuscript to the Chairperson, GIS Newsletter Editorial Board. Include a phone number where the author(s) may be reached and a self-addressed stamped envelope for notification of receipt of manuscript. Each manuscript will be reviewed by at least two persons.

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Connie Manson - Editor  
Geoscience Information Society  
2525 Sleater Kinney Road N.E.  
Olympia, WA 98506

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