

GIS newsletter

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Two GSA Journal Indices To Be Issued In Early 1982

Annual indices to the 1981 volumes of the Geological Society of America's *Bulletin* and *Geology* will be published in February 1982, rather than as part of the December issue of those journals. The primary reason for the later release date is the difficulty of completing the indices in time for publication in December. The indices include an author-sort as well as a topical-sort for all articles published during the year and thus cannot be completed until the makeup of the December issue is complete and can be furnished to the indexer. In the past two years, this has created unnecessary expense and delays in publishing the December issue. This year, GSA Headquarters is faced with the additional problem created by the delay in converting the *Bulletin* from a two-part format to a one-part. The plan is to publish each index as issue number 13 of each journal around February 1, 1982. Advertisers will be given the opportunity to purchase space in each index to help offset the cost. The indices will be mailed to all 1981 subscribers.

Lake Superior Field Trip Guidebook Still Available

Copies of the guidebook for the Lake Superior Field Trip, held May 21-24, 1981, in conjunction with the International Proterozoic Symposium in Madison, WI are still available. All orders must be prepaid with check or money order for \$8.00, payable to the University of Wisconsin Foundation. Send all orders to: Nancy Crossfield, Lake Superior Guidebook, 440 Lewis Weeks Hall, Madison 53706. The total cost of \$8.00 includes postage and handling.

1982 AESE Annual Meeting Scheduled For Williamsburg

The Association of Earth Science Editors has scheduled its annual meeting for Williamsburg, VA October 3-6, 1982. Orrin H. Pilkey, editor of the *Journal of sedimentary petrology*, will chair the Program Committee. Individuals interested in contributing papers should contact Dr. Pilkey c/o Department of Geology, Duke University, Durham, NC 27708. The two and one-half day meeting will include a geological and historical field trip to the James River and tidewater regions. Those who would like to be on the mailing list for future registration materials should write Judy C. Holoviak, Local Arrangements Chairman, American Geophysical Union, 2000 Florida Ave., N.W., Washington, DC 20009 (202/462-6903).

Fossil Vertebrate Bibliography Features Unique Systematic Index

The *Bibliography of fossil vertebrates*, published jointly by the American Geological Institute, the Society of Vertebrate Paleontology, and the Museum of Paleontology, University of California, Berkeley, features a unique systematic index not found elsewhere. The terms in the index are not found in GeoRef or the *Bibliography and index of geology*. Exclusion of these terms from GeoRef was a practical matter, as they can total as many as 700 for a single citation. Judith Bacskaï, George Shkurkin and others were responsible for the editing and indexing. The *Bibliography of fossil vertebrates, 1978* is the first effort to continue the scholarly work begun in 1928 by C.L. Camp and V.L. Vanderhoof. The Geological Society of America published the last volume of that series in 1973. The 1979 bibliography has now been compiled and AGI plans to publish both the 1973-1977 cumulation and the 1980 volume in 1982. The 1978 bibliography is priced at \$50.00 (individual) and \$95.00 (institution). Further information may be obtained from the American Geological Institute, One Skyline Place, 5205 Leesburg Pike, Falls Church, VA 22041.

NRC Publishes New Directory Of Geoscience Information Resources

Geosciences and oceanography, a directory of information resources in the United States was recently published by the National Referral Center, Library of Congress. The 375-paged publication has been generated from a computer base kept up to date by the Center. The entries are alphabetically arranged within a hierarchy. An *Organization locator* refers the reader to the parent organization. There is also a subject index to the entries. Complete information is given for each citation: address, telephone, areas of interest, holdings, publications, and information services. The directory is available for \$7.50 from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 (stock no. 030-000-00131-1). Please send any comments and/or suggestions about the format to John F. Price, Assistant Chief, Science and Technology Division, Library of Congress, Washington 20540. Anyone having knowledge of resources that should have appeared in the directory should contact the Center directly at the following address: Library of Congress, National Referral Center, Washington 20540, or call 202/287-5680.

GIS members are reminded that their 1982 membership dues should be sent to GIS Secretary Nancy Crossfield before the March 1 deadline. We are eager to hear from each of you, as we need to know about any changes in business and home addresses or job titles before we issue the new *GIS membership directory*. Thank you for your cooperation.

**Geoscience Information Society
1981 Annual Business Meeting
November 2, 1981
Cincinnati, Ohio**

The meeting was called to order at 9:00 a.m. by President Nancy Pruett. Other 1981 officers were introduced. Minutes of the 1980 meeting were approved.

Secretary's Report. Nancy Crossfield reported GIS membership was 273 in 1981, 32 higher than in 1980. Two amendments to the GIS Bylaws were passed by the membership during the year. Article 3, Section 3, was amended to change responsibility for election ballots from the Secretary to the Chairperson of the Nominating Committee; Article 4, Section 5, now calls for alternating 2-year terms for Secretary and Treasurer.

Program Report. Mary Scott announced the week's activities, including the GIS symposium, contributed papers, poster session, and informal on-line services session.

Treasurer's Report. Marie Dvorzak reported a checking account balance of \$3,305.21 and a savings account balance of \$4,524.21, both as of October 31, 1981. Income was \$9,151.82, and expenses \$6,372.66, for a net gain of \$2,779.16. Increases were reported in both dues and publication sales.

Nominating Committee Report. Rosalind Walcott's written report stated that new officers are Regina Brown, Vice-President, President-Elect, and Beatrice Lukens, Treasurer.

Exhibits. Joanne Lerud described the new GIS exhibit, designed for easy assembly and disassembly. Marathon Oil helped provide photos and mounting. A student was hired to supplement volunteer staffing of the booth at GSA.

Membership Committee Report. Miriam Sheaves described redesigning the membership application form, including a place to designate Sustaining Membership (\$100/year). 687 letters were sent to targeted geothermal groups, mining companies, and members of the Western Association of Map Libraries; a letter was also published in *Geotimes*. Responses are being received.

Second International Conference on Geological Information. First circulars were sent last summer. Dederick Ward thanked international liaisons. The tentative program has a structured session with papers of general interest, followed by seminars and sessions of contributed papers. Claren Kidd will edit the proceedings, to be published as an *Oklahoma Geological Survey special publication*. Hart Phinney described field trips to the Colorado School of Mines experimental mine and mines at Henderson and Keystone. Room and board on the campus at Golden will be about \$30/day. Tentative registration fees are \$150.00, including banquet and many activities.

Archives. USGS stored pre-1967 GIS materials, while the University of Illinois Archives will accept recent documents.

Ad Hoc Committee on USGS Open-File Reports. Claren Kidd reported government depository distribution of microfiche OFR's has begun, but no retrospective fiche are planned. Water Resources Division OFR's are provided under the same Sudocs item number, but these will vary between paper and fiche format. Barbara Chappell stated that USGS is now inputting OFR's into OCLC.

Publications Manager. After a 1-year trial, Jean Eaglesfield reported that procedures for handling subscriptions and sales requests are working smoothly.

Publications Committee. Marge Wheeler's report stated that guidelines are being drawn up to facilitate production and distribution of the *GIS Proceedings*. An ad to sell past volumes will appear soon in *Geotimes*.

GIS Newsletter. Regina Brown reminded all to contribute news.

Ad Hoc Bulletin Committee. John Crissinger's group had been charged to explore alternative publications. Various options were discussed. Committee recommendation: expand present newsletter to include articles, gradually moving to a bulletin format. Lively discussion ensued. Moved, seconded, and passed: that all submissions be refereed. Moved, seconded and passed: that the present newsletter be expanded to include articles. No title change until final direction is decided. GIS members may submit articles addressing practical issues.

On-Line '82. Richard Walker announced that an earth sciences section will be held next November at the On-Line '82 meeting. Possible workshops on GeoRef and GeoArchive. Contact Walker if interested in giving a paper.

Guidebook Committee. Beatrice Lukens reported that AGI has generated check-lists of holdings of individual libraries in the *Union list of geologic field trip guidebooks of North America* and a list of new guidebooks to be used to help update library listings. These forms were mailed in October to libraries already participating in the *Union list* and to those that had expressed interest in being included in the coming fourth edition.

Directory of Geoscience Libraries / GIS Membership Directory. Though useful, the former directory will not be updated at this time. The *Membership directory* will be revised very soon.

Thesis Committee. Vivian Hall reported \$10,000 would be needed to finish the 31,000-entry bibliography: subject indexing (using the 29 categories in the *Bibliography and index of geology*) and typing camera-ready copy. GSA is interested in publishing, perhaps for the decade of North American Geology, but wants GIS to contribute \$2,-4,000.00 beyond the \$3,000 already spent by GIS. Lengthy discussion followed. The 29-category indexing was not considered satisfactory; proposed options included *no* indexing, KWIC indexing from titles, and permuted indexing supplemented by geographic terms. GeoRef lacks many of the entries and does not consider entering them a high priority. Though many problems exist in consistent indexing, consensus was that some index is needed. Many speakers urged the project be

automated or done on a word processor. It was felt that GIS is strongly committed to the project but needs outside funds. Not enough information was deemed available to make an immediate decision; alternate indexing methods and the varieties of word processors and programming should be investigated. The final product should be better defined. Joanne Lerud moved that an appointed committee proceed during 1982 to gather the information needed to make the necessary decisions on the thesis project, and that that information shall be presented to the membership for discussion and decision. GSA shall be notified of our activities. Seconded by Harriet Wallace. Passed on voice vote.

The meeting was adjourned at 12:00.

Respectfully submitted,
Nancy L. Crossfield
Secretary

GIS President Nancy Pruett's Reports

**GIS Representative To Information Professional
Society**

improving access to cartographic information, particularly government cartographic information. The fact that depository libraries are now receiving the *USGS Open-file reports* on microfiche is largely due to the effectiveness of CUAC and that of our own Ad Hoc Committee on Open-file Reports. This year CUAC met twice, in February in Washington, D.C. and in June in Menlo Park. During the Washington meeting we met to discuss a number of topics with the USGS and representatives of the Defense Mapping Agency. The official CUAC record of the meeting is published in the February 1981 *WAML Information bulletin* and a summary is in the *NCIC newsletter* no. 11, Summer 1981. Progress is still being made on forming a federation of map producing agencies. If this happens, it will mean we can deal with one group instead of working with each agency separately.

Editor's note: Topics covered in the Cartographic Users Advisory Council's meeting included: "1) the need to provide map depository libraries with better information on topographic symbols, 2) the need for USGS to review its depository program, 3) the possibility of a survey to

NCIC newsletter

The Council recognizes the importance of this publication and recommends that it be published more frequently and emphasize information on new products and services of federal mapping agencies.

First topographic map

CUAC recommended that the Survey celebrate the 100th anniversary of the publication of the first topographic map and suggested that a reproduction of the map be considered.

CUAC met with members of the Defense Mapping Agency in February 1981 to discuss their depository program. The Council recognizes the limitations that DMA faces regarding distribution. However, map depository shipments will increase, there will be fewer restrictions on depository members, and the overall depository program is being reviewed.

CUAC has made federal agencies more aware of their depository members and has represented the concerns of its constituent organizations. The importance of CUAC lies in the fact that a dialogue has been started and, through continued communication, depository concerns will be represented and given a fair review."

Guidebooks Committee Report For November 1981

Last November, the Guidebooks Committee discussions centered around the methods for handling the revision of the third edition of the *Union list* and the addition of new titles and series entries to produce the fourth edition and future updates.

It was projected that if AGI were to do the revisions using the original computer program, the cost would be very high. John Mulvihill proposed that the Datapoint edit system could be used to simplify and reduce the original cost estimate of data input into the GeoRef data base by 80%. This would be accomplished by producing three files which could be merged into one file to produce camera-ready copy for production of the *Union list*. The three files would be (1) "New Guidebook Titles," (2) "New Series Entries Added," and (3) "Guidebook Holdings" from the 3rd edition of the *Union list*. A new computer program would be needed to merge the three files.

In early 1980, Harriet Wallace had proposed that GeoRef generate a checklist of new titles to distribute to libraries for reporting holdings. John Mulvihill had agreed that it was practical to generate such a list. This information was circulated to the Guidebooks Committee in October 1980 with a proposal that the Guidebooks Committee recommend that GeoRef generate the updating lists to be sent to the participants and to take on the preparation of future editions. At the November, 1980, meeting, John proposed that the data base record of guidebooks indexed by GeoRef could contain an additional field which would include the *Union list* series name, year, volume, and part number. This field would be used to generate future checklists for reporting holdings. New

reports would be needed only when reporting new series or new titles. The role of the Geoscience Information Society Guidebooks Committee would be to establish the new *Union list* series entries to be added to the data base.

John Mulvihill reported on October 8, 1981, that the keying of new titles for existing *Union list* entries and new series entries should be completed by October 16, 1981. GeoRef could then generate the checklists for distribution to participating libraries.

Two lists will be produced. The "New Guidebooks" list will show all the new titles and new series entries. The second list will show the holdings as reported by each library in the 3rd edition of the *Union list*. John will send a copy of the "New Guidebooks" list and the library's portion of the holdings list directly to each of the participating libraries.

When the list and reports are returned, the Guidebooks Committee will establish any new series entries needed for guidebook titles not included in the third edition of the *Union list* or in the "New Guidebooks" list. The Committee will forward the assembled lists and report sheets to John who will enter the new titles and holdings. When this is completed, GeoRef will be in a position to generate camera-ready copy for the fourth edition of the *Union list of geologic field trip guidebooks of North America*.

Beatrice Lukens
Chairperson

Recommendation To Expand GIS Newsletter In 1982

By Miriam Sheaves

In response to the recommendation of the 1981 Ad Hoc Committee on Alternative Publications (the "Bulletin Committee"—John Crissinger, Chair; Skip McAfee; Maryann Whitney) we would like to experiment with expanding the *GIS Newsletter* beginning in 1982. From the discussion which took place at our annual business meeting in Cincinnati, the membership is in favor of including refereed articles in the *Newsletter*. This will provide us with an avenue for publishing our research related to geoscience information in a publication which will reach those people most interested. If there is enough interest generated, the *Newsletter* may eventually evolve into a "Bulletin" type of publication, similar to the *SLA Geography and Map Division bulletin*.

I have been asked by Mary Scott to act as a coordinator for the expanded portion of the *Newsletter*. I will be investigating setting up "Guidelines to Authors" and guidelines for an editorial review board. I would also like to pursue adding a column or two to the *Newsletter* as a regular feature. It would be nice to have an "exchange forum" column in which we could share responses on specific problems that we're having and share successful or innovative approaches that we're using to organize, retrieve, and disseminate information, or to manage our library or information center. Perhaps we could have a column which would focus on a particular aspect of our profession such as online searching, working with maps, training staff, coping with geological literature, organizing small collections.

one another. It would be nice to be able to do this on an active basis through the *Newsletter* in addition to our personal contacts once a year at the annual meeting.

What are your thoughts on the expanded format? What would you like to see added to or discussed more fully in the *Newsletter*? I would like to hear more from you.

Please continue to send letters to the editor, news items, new publication notices, job notices, etc. to the editor, Regina Brown. I will be responsible for coordinating ideas regarding the expanded format and for receiving your manuscripts, sending them to designated people for review, and, if accepted, passing them on to the editor for publication. I plan to have specific guidelines for submission of papers in a subsequent *Newsletter*. In the meantime, please send me your ideas and / or papers or manuscripts for consideration. Your enthusiastic response will determine the success of this endeavor!

Miriam Lyness Sheaves
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University of North Carolina
Chapel Hill, NC 27514
919/962-2386

Call For Nominations For 1982-3 GIS Officers

The 1982 GIS Nominating Committee is involved in selecting candidates for the positions of Vice-President/President-Elect and Secretary for 1982-3. You may nominate another GIS member or yourself for these offices. Please send nominations by March 31 to Nancy J. Pruett, Chair, GIS Nominating Committee, 3144 Technical Library, Sandia National Laboratories, Albuquerque, NM 87185.

Literature Citations

(GIS members in caps)

Dean, Dennis R. The vocabulary of geology. *Journal of geological education*, vol. 29, no. 5, November 1981, p. 220-221.

Doescher, Rex A. Living and fossil brachiopod genera, 1775-1979; lists and bibliography. *Smithsonian contributions to paleobiology*, no. 42, 1981, 238 p.

Domurat, George W. The Coastal Data Information Program. *Shore and beach*, vol. 49, no. 4, October 1981, p. 12-18.

PRUETT, NANCY J. Searching for maps in GeoRef. *Western Association of Map Libraries. Information bulletin*, vol. 13, no. 1, November 1981, p. 1-18.

Youngs, Leslie G., comp. Geothermal resources of California, a selected annotated bibliography of California Division of Mines and Geology publications. *California geology*, vol. 34, no. 11, November 1981, p. 241-245.

DSDP Site Summary File Available For Legs 1-77

In cooperation with the Deep Sea Drilling Project (DSDP) office, a set of worldwide summary drilling and geological information for legs 1-77 of the DSDP is being made available through the National Geophysical and Solar-Terrestrial Data Center (NGSDC). This information is current through the year 1980. This file is a summary compiled from other, more detailed DSDP data bases and published information. It contains inventory information such as leg, hole, geographic location, water depth, penetration, meters recovered, and coring method or downhole measurements taken. The file also includes basic geologic information such as physiographic features on which the site is located, type of crust, depth to basement, geologic age, brief sediment lithology, and igneous rock description. The DSDP site summary file is available on one magnetic tape for \$100.00. A listing of the format of the data base, as well as a translation of all codes used in the file is also provided. Please specify 7- or 9-track, density, and blocking factor when ordering. Unless otherwise specified, tapes will be sent 9-track, 1600 bpi, blocked to 2940 characters (10 logical records) per block. Checks or money orders should be made payable to Commerce/NOAA/NGSDC. Inquiries should be addressed to: National Oceanic and Atmospheric Administration, EDIS/NGSDC, Code D621, 325 Broadway, Boulder, CO 80303 (telephone: 303/497-6338, FTS 320-6338). For further information on the compilation of the site summary file, or for information regarding more detailed geologic data files available from the DSDP, contact Data Manager, Deep Sea Drilling Project, University of California - San Diego (A031), La Jolla, CA 92093 (telephone: 714/452-3526, FTS 895-5496).

Geoscience Information Society 1981 Interim Financial Report

January 1, 1981 to October 31, 1981

	Checking Account	Savings Account	Net Gain (Loss)
Balance as of January 1, 1981	\$ 710.87	\$4,339.39	
Income			
Dues - Individual	4,708.00		
- Corporate	789.04		
Newsletter Subscriptions	484.50		
Publications - Directory	35.00		
- Proceedings	2,950.46		
	\$8,967.00		\$8,967.00
Interest		184.82	184.82
Total Income			\$9,151.82
Expenses			
Newsletter - Printing	\$1,101.00		
- Postage and Misc.	487.83		
Proceedings	1,901.60		
AGI Dues and Fellow Program	270.50		
GIS Expenses - Secretary	132.40		
- Treasurer	18.03		
- Publications Manager	92.53		
- Misc. Printing and Postage	524.25		
GIS Committees - Guidebooks	10.62		
- Membership	196.12		
- Thesis	619.51		
GSA/GIS Annual Meetings	433.77		
International Conference	500.00		
Miscellaneous	84.50		
Total Expenses	\$6,372.66		\$6,372.66
Total	\$2,594.34		\$2,779.16
Balance as of October 31, 1981	\$3,305.21	\$4,524.21	

Submitted by Marie Dvorzak, Treasurer, October 31, 1981

Drill Hole Information On CSDP Data Base*

The Continental Scientific Drilling Program (CSDP) data base at Lawrence Livermore National Laboratory is a central repository, cataloging information of scientific interest from United States drill holes. Most holes have been drilled or proposed by various federal agencies. Some holes have been commercially funded. This data base is funded by the Office of Basic Energy Sciences of the Department of Energy (OBES/DOE) to serve the entire scientific community. Through the unrestricted use of the data base, it is possible to reduce drilling costs and maximize the scientific value of current and planned efforts of federal agencies and industry by offering the opportunity for add-on experiments and supplementing knowledge with additional information from existing drill holes. The data base, currently consisting of approximately 1860 holes, is maintained on the Livermore Computer Center (LCC) CDC 7600's through the Master Control Program (MCP). There are 24 textual and numerical parameters for each drill hole. These include an identification number (assigned by LLNL for record keeping purposes), hole designation, purpose, surface elevation, depth, location, coordinates, start and completion dates of drilling, geologic setting, drilling and casing stages, geophysical logs, well testing, sample types, funding agency, cost, number of holes in a group of holes, principal investigator, and additional information. Any of these parameters can be sorted on and ordered. For example, holes in California, drilled between 1970 and 1980 sorted by location; holes with temperature logs, sorted by depth; holes drilled in oil shale; or other combinations can be done. This data can then be printed in a format showing all information about one hole, or in tabular listings of selected parameters for any number of holes (location, hole designations, depth and purpose, for instance.) Future plans include a computer program to generate U.S. and state maps showing drill hole locations. All people are encouraged to use the free services of the CSDP data base. Requests for information from this data base can be made by calling Gayle Pawlowski (415/423-0437) or writing to her at Lawrence Livermore National Laboratory, L-222, P.O. Box 808, Livermore, CA 94550.

*This work was performed under the auspices of the U.S. Department of Energy by the Lawrence Livermore National Laboratory under contract number W-7405-ENG-48.

News Items

ELIZABETH BEHRENDT is now associated with the USGS Public Inquiries Office, 508 W. 2nd Ave., Anchorage, AK 99501 (907/277-0577).

JULIE BICHTLER will be a visiting professor of library science during the spring semester at the University of Hawaii at Manoa January 15-May 20, 1982. She will be teaching Science and Technology Reference, Computers in Libraries and Information Processing, and Introduction to Information Storage and Retrieval. Her address: Graduate School of Library Studies, Hamilton Library, 2550 The Mall, University of Hawaii at Manoa, Honolulu 96822.

K.L. BURNS has a new work address: Earth and Space Science 3, Mail Stop 977, Los Alamos National Laboratory, Los Alamos, NM 87545 (505/667-6890).

IDA DOBLER has retired from Chevron Research Co., Richmond, CA.

JILL HAFNER is the new GIS representative for Superior Oil Co., Houston.

DON W. JETT is now with the Agriculture-Vet. Med. Library, University of Tennessee, Knoxville 37916 (615/974-7338).

ROSALIND WALCOTT is on a six months sabbatical beginning November 14 and will be based at the University of Melbourne. She has been invited by the Victorian Resources Committee of the Australian Committee on Bibliographical Service to conduct a survey of the bibliographical resources of Victorian libraries in the geoscience field. She will be evaluating the collections of thirty key libraries in the state. She may be contacted c/o Juliet Flesch, Baillieu Library, University of Melbourne, Parkville, Victoria 3052, Australia.

1982 GIS Officers

PRESIDENT: Mary W. Scott, Bibliography Department, Chester Fritz Library, University of North Dakota, Grand Forks, North Dakota 58202 (701/777-4638 or 777-2617)

PAST PRESIDENT: Nancy J. Pruett, 3144 Technical Library, Sandia National Laboratories, Albuquerque, New Mexico 87185 (505/844-6430). Home: 1604 California Street, N.E., Albuquerque, NM 87110 (505/268-2946).

VICE-PRESIDENT and PRESIDENT-ELECT: Regina Brown, Orton Memorial Library of Geology, The Ohio State University, 155 South Oval Drive, Columbus, Ohio 43210 (614/422-2428)

SECRETARY: Nancy L. Crossfield, Geology-Geophysics Library, University of Wisconsin-Madison, 430 Weeks Hall, Madison, Wisconsin 53706 (608/262-8956)

TREASURER: Beatrice Lukens, Earth Sciences Library, University of California, Berkeley, Berkeley, California 94720 (415/642-2997)

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 \$20.00 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.

GIS members are invited to contribute articles or news of general interest to the membership. Please submit all material to the Editor, by the first of the month, one month prior to publication.

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