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GIS newsletter

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GIS ANNUAL MEETING SAN DIEGO, NOVEMBER 4-7, 1979

All meetings will be held in the Town and Country Hotel.

SUNDAY, NOVEMBER 4

0930-1130

Executive Board Meeting (1979 Board)
Mesa Room

1400-1745

Symposium: Collection Development in Geoscience Libraries
Chamber Room

Marie Dvorzak, Geology Library, University of Minnesota, Minneapolis
Collection development in geoscience libraries: monographs.

Nancy Thurston, Mines Library, Toronto
Collection development in geoscience libraries: serials.

Dorothy White, U.S.G.S. Library, Reston
Collection development in the geosciences with government documents.

Martin Smith, Geology Library, University of Texas at Austin
Developing the geological map collection: a survey of principles and techniques.

Claren Kidd, Geology Library, University of Oklahoma, Norman
Development of a collection of geological guidebooks.

1830-2130

Welcoming Party
Town and Country and San Diego Rooms

MONDAY, NOVEMBER 5

1045-1200

Geoscience Information (Contributed Papers Session)
Padre/Friars Room

Anthony Harvey, Department of Library Services, British Museum (Natural History), London
Geoscience reference sources: a decade of progress?

Unni Havem Rowell, Hawaii Institute of Geophysics, University of Hawaii
A study of the GeoRef indexing language: its relationship to natural languages and its performance as a search language.

Nancy Howard, Lawrence Livermore Laboratory, University of California, Livermore
Continental drilling for scientific purposes data management program at Lawrence Livermore Laboratory.

Hartley Phinney, Arthur Lakes Library, Colorado School of Mines, Golden
The Arthur Lakes Library: a resource center for the mineral industries.

Richard Duda, SRI International, Menlo Park; Marco Einaudi, Department of Applied Earth Science, Stanford University; and Peter Hart, SRI International, Menlo Park
The encoding and use of ore deposit models in the Prospector consultation program.

1600-1700

GSA Presidential Address
Town and Country and San Diego Rooms

1800-2000

GIS Cocktails (Cash Bar)
Presidio Room

TUESDAY, NOVEMBER 6

1400-1800

GIS Business Meeting, followed by 1980 Executive Board Meeting
Committee Room

1800-1845

GSA Cocktail Party

1900-2200

GSA Annual Dinner
Presidio Room

WEDNESDAY, NOVEMBER 7

0815-1430

Field Trip and Luncheon
Scripps Institution of Oceanography

1700-2300

Sea World Night

This year's GIS field trip and luncheon will be at Scripps Institution of Oceanography in La Jolla. Scripps is right on the edge of the Pacific Ocean and the field trip promises to be a memorable one, particularly if November 7 is one of San Diego's usual perfect sunny days. The plans for the trip include visits to the Deep Sea Drilling Project, the Geological Data Center, the Scripps Aquarium and the new Scripps Library. A buffet luncheon will be served on the Library balcony overlooking the Pacific. To reserve your place for the field trip, return the enclosed form and \$8.00 for food and transportation to Nancy Pruet as soon as possible (**by September 30 at the latest**).

OTHER PROGRAMS OF INTEREST

MONDAY, NOVEMBER 5

0800-0900

History of Geology—Work in Progress

Ellen Drake, School of Oceanography, Oregon State University, Corvallis
The geological contributions of Steno and Hooke compared.

J. DeMouthe Smith and Peter Rodda, Geology Department, California Academy of Sciences, San Francisco
Geology at the California Academy of Sciences 1853-1979.

Clifford Nelson, U.S.G.S., Reston
Between Paris Expositions: standardizing American geologic names and usage.

1430-1545

Geological Education

Daniel Jones, Department of Physics and Earth Sciences, California State College, Bakersfield
The visually handicapped student in an introductory earth science course.

Helen Hodgson, U.S.G.S., Denver
Geoscience educators can teach technical writing.

Richard Tollo and Suzanne Nicholson, Department of Geology and Geography, University of Massachusetts, Amherst
Peer-learning methodology for the teaching of introductory geology laboratory concepts.

Donald McGannon, Department of Geology, Trinity University, San Antonio
Mini courses in geology at a small liberal arts college; a nine year overview.

Arthur Mirsky, Department of Geology, and James East, Director, Weekend College and Learn and Shop, Indiana University-Purdue University, Indianapolis
Alternate scheduling for college-credit courses: effects on geology.

Also

Exhibits

Science Theater

Field trips

Other technical sessions

Other local arrangements

The meetings and hotels are in an area of San Diego called Hotel Circle and if you want to see what San Diego is really like, you have to get out of Hotel Circle. The GIS Local Arrangements Committee is putting together a "favorite restaurant" list and transportation instructions to make it as easy as possible for you to do so. We plan to mail this before the conference to GIS members who either sign up for the field trip or indicate that they would like to receive the list. Things to do and see in San Diego are enumerated in the August issue of *Geology*.

Field Trip Guidebooks On Midwest Now Available

University of Michigan's Department of Geology and Mineralogy still has in stock copies of the guidebook for the 1978 Geological Society of America, North Central Section's meeting at Ann Arbor. The volume contains three field trips: *Middle Devonian Silica Formation*, *Pleistocene geology of Thumb area*, and *Silurian carbonates of Michigan Basin*. Of particular importance are two papers dealing with the Silurian carbonates: one on patch reef development by D. F. Kahle, the other on the facies of the Middle Silurian carbonate platform and basinal deposits of the Michigan Basin by L. I. Briggs, D. Z. Briggs (GIS member), D. Elmore and D. Gill. These papers are of particular importance to those concerned with petroleum deposits related to patch reefs in Michigan. The guidebook may be obtained for \$6.50 plus fifty cents for mailing from: The Department of Geology and Mineralogy, University of Michigan, 1006 C. C. Little Building, Ann Arbor 48109.

Glen K. Merrill, Associate Professor, Department of Geology, College of Charleston, recently published a guidebook entitled *Desmoinesian (Pennsylvanian) conodont localities of northwestern Illinois*. The 48-page publication is available as of July 1 through the College of Charleston Bookstore, 181 Calhoun Street, Charleston, South Carolina 29401. The cost is \$4.00, payable to the Bookstore.

Harriet Wallace To Retire From University Of Illinois

Harriet Wallace, one of the founding members of the Geoscience Information Society, plans to retire from her position as Geology Librarian and Professor of Library Administration at the University of Illinois at Urbana-Champaign August 20. Ms. Wallace has been one of the most active supporters of GIS in the years since its inception in 1965. She has authored a number of professional publications, as well as the flyer detailing the history of the Geoscience Information Society. Ms. Wallace was born in New York City. She received her B.S. degree in geology at Northwestern University and did graduate study in geology at the University of California at Berkeley. Later, she was awarded the M.A. degree in teaching natural science, Teachers' College, Columbia University, and the M.S. degree in library science at the University of Illinois at Urbana-Champaign. Her professional career has been varied: Assistant Geologist, Mining Division, General Chemical Division, Allied Chemical Corporation, New York; Instructor, Geology, University of Tennessee, Knoxville; Engineering Geologist, U.S. Army Corps of Engineers, Little Rock District, Little Rock, Ark.; Geologist, Carl A. Bays and Associates, Urbana, Ill.; and since 1962, her present position at Urbana-Champaign. We wish Harriet a happy, carefree retirement!

Annual AESE Conference Scheduled For Tulsa

Tulsa will be the site of the 13th annual conference of the Association of Earth Science Editors October 14-17. The conference is sponsored locally by the Society of Exploration Geophysicists and the American Association of Petroleum Geologists. Among the panel sessions scheduled at the Mayo Hotel are:

Monday, October 15: *Innovations in Editing and Publishing* (Judy A. Russell, Chairman); *AESE and Geowriting Education* (Helen Hodgson, Chairman); *Challenges of the Elected Editor* (Robert L. Bates, Chairman).

Tuesday, October 16: *The Editor and the User of Geoscience Information* (Aphrodite Mamoulides, Chairman); *Update '79* (Thomas F. Rafter, Jr., Chairman); *What's New in Graphics* (Nancy Tamamian, Chairman).

Wednesday, October 17: *Workshop: Direct Mail Marketing of Geological Publications* (Ron Hart and Gary Howell). There will be optional tours: Petroleum Publishing Company, AAPG Headquarters, Petroleum Abstracts offices, Gilcrease Art Museum, Philbrook Art Museum, and Oral Roberts University.

The registration fee, if received by October 1, is \$40 for members, \$50 for nonmembers. After that date the fee will be \$50 and \$60 respectively. Registration includes all program sessions, the welcoming cocktail party on Sunday evening, the field trip "Geology and Tulsa's Urban Development" on Tuesday afternoon, the reception and banquet Tuesday evening, and coffee breaks each day. Further information may be obtained by writing: AESE 13th Annual Conference, Jerry Henry, General Chairman, c/o Society of Exploration Geophysicists, P.O. Box 3098, Tulsa 74101. (Phone: 918/743-1365).

Udata Publications Offers Discount On Microfiche

Udata Publications, Inc., Los Angeles, is offering libraries, for a limited time, a 20% discount on orders for its microfiche edition of the *USGS Water supply papers*. The collection covers 2,050 papers spanning the years 1896 to 1978. It is available on 4 x 6, 24X, .007 gauge diazo microfiche, which meet all NMA and ISO standards. Each number in the collection has been placed on a separate microfiche to allow convenient one-for-one retrieval. Udata published the collection in cooperation with the Water Resource Center Library of UCLA. The regular publication price is \$6,000. The early-order discount, available only on *prepaid orders received before August 30, 1979*, amounts to a \$1,200 savings. For further information contact: Udata Publications, Inc., 1756 Westwood Boulevard, Los Angeles 90024, phone 213/474-5900.

Questionnaire On USGS Open-file Reports: A Summary Of The Responses

by Nancy J. Pruet

A questionnaire about USGS *Open-file reports* was mailed out with the February 1979 *GIS newsletter*. By June 7, fifty-five completed questionnaires (about 25% of those mailed out) had been returned.

The questionnaire asked GIS members to record their problems with *Open-file reports*, to propose solutions to the problems, and to provide some data about frequency of requests for *OFR's* and sizes of collections that exist.

Problems with Open-file Reports

Accessibility was by far the problem most often mentioned, with cost, quality, service and bibliographic control (which are all related to accessibility) also mentioned frequently. Six of the fifty-five respondents said they had no problems with *OFR's*.

Here are some comments from those who did list problems: The *Open-file reports* are "too expensive," "hard to obtain," "not available for loan, not available through exchange, depository or otherwise systematically" and "don't come on GPO depository although they should." "I am not able to check a specific report out of a library for a user in my company. If USGS *Bulletins*, etc., are able to circulate why can't *OFR's*?" "We have repeatedly requested these from the source indicated in *New publications* but have been referred to other locations." "*OFR's* include too many items of wide variety of subjects and formats." Other problems mentioned were: "prepayment is required," "time lag is too long," "no blanket order," "lack of cross-indexing," "inconsistent pricing—sometimes micro is more expensive than hard copy," "and "there is no rush service, even for a fee." "*Open-file reports* need to be included in computer searchable databases like NTIS and GeoRef."

Solutions

USGS map depositories and GPO depositories were suggested an equal number of times (25 times each) as locations for collections of *Open-file reports*. Other categories mentioned include one central regional library in each state, earth science libraries, and the British Lending Library. The most popular choice for the content of the depository collection was a complete set, current and retrospective, in microfiche except that maps should be paper. Ten correspondents preferred a depository limited by geographic area and eleven other preferred one limited by subject. NTIS as a solution to the accessibility problem was strongly defeated (35 to 6 with 5 maybes). The idea of a directory of locations listing where the reports are available for borrowing was popular (27 thought it would be helpful), although one respondent pointed out that this was really already available in *New publications*.

Some sample comments about solutions: "Make *OFR*'s a regular USGS publication series, available for consulting and borrowing from depository libraries and for purchase from all USGS publication sales. Include them in indexes (e.g. *Government reports index, Bibliography and index of geology, GeoRef*). "Limit the number of *Open-file reports*." "If a depository is not possible, an alternative solution might be that a complete set could be established in each state in the U.S. where interlibrary loan would be more feasible." "GPO depository is probably the best and simplest. However, maybe if they can't do that, how about certain regional libraries with a complete set for reference and a fiche-to-fiche copier." "I'd like to see the USGS get rid of their *Open-file report* designation altogether and identify maps and reports more efficiently by grouping them into specific series as they do for their GQ, I, GP, and MF series." "Abolish the *Open-file* system because it has become too cumbersome. As originally designed, it dealt with 3-4 reports per year which professional users needed access to before formal publication. It was never designed to handle the hundreds of reports now issued monthly on a 'cheap and dirty' basis."

Frequency of Requests and Sizes of Collections of *Open-file Reports*

The average number of times responding libraries received requests for *Open-file reports* was 51 times per year or about once a week. One respondent said, "The number of requests has been decreasing over the past few years since our patrons have realized that access and availability are a serious problem." Another respondent pointed out that as people discover you don't have something, they stop asking for it. The average number of attempts to acquire *OFR*'s was 27 per year. "We don't [try to acquire them] because the *Reports* are specialized, voluminous and so difficult to obtain and handle." "We gave up trying after twice." Collections of *OFR*'s ranged in size from 1 to 3000, with the average size about 150 reports (disregarding the 3000-item collection in the average). Most libraries reported these were available for copying or loaning to libraries or individuals. But as one respondent pointed out, "Of course no one knows what I have."

Summary

The questionnaire responses suggest three areas of needed improvement with possible solutions: (1) the *Open-file Service Section* needs to improve service by instituting deposit accounts, rush service, a toll-free order number and other improved acquisition procedures. (2) Indexing services should include *Open-file reports* systematically. (3) A full or limited depository system or some other system of free access to the information in *Open-file reports* is needed.

If you would like to comment about your problems with *OFR*'s or to propose solutions, write or call one of the members of the Committee (Marie Dvorzak, Claren Kidd or Mary Scott) or the chairman, Nancy J. Pruet (GIS *Open-file Report* Committee, UCLA Geology-Geophysics Library, Los Angeles 90024, 213/825-1055.

New Publications

(GIS members in caps)

Annual review of earth and planetary sciences. Vol. 7, 1979. 517 p. \$17.00 (U.S.); \$17.50 (elsewhere). (ISBN 0-8243-2007-7). Available from: Annual Reviews, Inc., 4139 El Camino Way, Palo Alto, Calif. 94306.

Bibliographical sources in the sciences, compiled by Janet Turner. February 1978. 25 p. (*LC science tracer bullet* TB 77-14; ISSN 0090-5232). Free upon request from: Reference Section, Science and Technology Division, Library of Congress, 10 First Street, S. E., Washington, D. C. 20540.

Journal of earth sciences. Semiannual. Vol. 1, no. 1, Summer 1978. \$36.00. Royal Dublin Society, Dublin.

"This title, together with a sister journal in life sciences, will replace the *Scientific proceedings* of the Royal Dublin Society.

Journal of structural geology. Quarterly. Vol. 1, 1979. U.S. \$65.00 (£29.54). Two-year rate, 1979/80: U.S. \$123.50 (£56.13) Pergamon Press, Fairview Park, Elmsford, N.Y. 10523; Headington Hill Hall, Oxford, England OX3 0BW.

Maine geology. Bulletin no. 1. Shorter contributions to the geology of Maine. 1979. \$2.85. 59 p. The Geological Society of Maine, c/o John R. Rand, Cundy's Harbor, RD 2-210A, Brunswick, Maine 04011.

It is anticipated that succeeding *Bulletins* will be published on an annual basis.

Monographs of marine mollusca. Irregular. Vol. 1, no. 1, December 1978. \$29.00. American Malacologists, Inc., Greenville, Delaware.

"Devoted to the systematics, biology, zoogeography and taxonomy of marine mollusks, both living and fossil. It is issued with color plates in a convenient looseleaf form compatible with the former *Indo-Pacific mollusca*. Numbers are issued irregularly as research is completed."

Weather and climate report. Monthly. Vol. 1, February 1978. \$62.50. Nautilus Press, Washington, D.C.

GIS Members In The News

JAUNETTE EAGLESFIELD, formerly Librarian, Geological Sciences Library, Harvard University, has now been appointed Librarian, Lindgren Library, Massachusetts Institute of Technology.

New appointees to committees of the American Geological Institute are the following GIS members: *GeoRef Advisory*: ARLEEN N. SOMERVILLE, University of Rochester, N.Y.; CLARENCE A. STURDIVANT, Marathon Oil Company, Littleton, Colorado; DEDERICK C. WARD, University of Colorado, Boulder. *Geotimes*: JEAN KOERNER-MOORE, Ernest K. Lehmann & Associates. *Publications*: APHRODITE MAMOULIDES, Shell Research Library, Houston.

CARYL SHIELDS, formerly with the U. S. Bureau of Mines, Denver, is now Reference Librarian, U. S. Geological Survey Library, Denver.

Literature Citations

(GIS members in caps)

ANSARI, MARY B. New Map Room opens at the University of Nevada, Reno. *Special Libraries Association. Geography and Map Division. Bulletin*, no. 116, June 1979, p. 40-42.

Awramik, S. M. et al. Stromatolite bibliography 2. *Precambrian research*, no. 9, 1979, p. 105-166.

Supplements the most comprehensive bibliography of stromatolite studies to date, compiled by S. M. Awramik et al and published in the book *Stromatolites* (New York, Elsevier, 1976; edited by M. R. Walker). This "second installment" brings the earlier compilation up to date and adds many older references missed earlier. A "Selective subject index to the bibliography" is found on pages 161-166.

Barton, Philip L. A guide to the selection and acquisition of New Zealand maps. *Special Libraries Association. Geography and Map Division. Bulletin*, no. 116, June 1979, p. 36-39.

Computer-based files on mineral deposits: guidelines and recommended standards for data content. A report by the Mineral Deposits Working Committee, National Advisory Committee on Research in the Geological Sciences. R. V. Longe, Chairman, C. F. BURK, JR. et al. 1978. 72 p. (*Canada. Geological Survey. Paper 78-26*).

Davies, G. L. H. The earth sciences in Irish serial publications, 1787-1977. *Royal Dublin Society. Journal of earth sciences*, 1, 1978, p. 1-23.

A directory of societies in earth science. *Geotimes*, vol. 24, no. 7, July 1979, p. 24-32. U. S. state surveys, *ibid.*, p. 33.

Picklyk, D. D. et al. Canadian Mineral Occurrence Index (CANMINDEX) of the Geological Survey of Canada. 1978. 27 p. (*Canada. Geological Survey. Paper 78-8*).

Proehl, Karl H. The soil survey: an annotated-cartographic tool. *Special Libraries Association. Geography and Map Division. Bulletin*, no. 115, March 1979, p. 18-25.

PRUETT, NANCY J. U. S. Geological Survey Open-file reports. *Western Association of Map Libraries. Information bulletin*, vol. 10, no. 3, June 1979, p. 238-240.

ROWELL, UNNI HAVEM. Oceanography of the tropical Pacific: a bibliography of theses and dissertations, 1935-1978. *Hawaii. University, Honolulu. Institute of Geophysics. Data report* no. 37; HIG-79-3. March 1979.

Stephenson, Richard W. Map collections and map librarianship in the United States: a review. *Special libraries*, vol. 70, no. 3, March 1979, p. 117-126.

Utah mineral industry operator industry 1979, compiled by CARLTON H. STOWE. 1979. (*Utah. Geological and Mineral Survey. Circular 58*).

Wise, Donald A. Cartographic sources and acquisition techniques. *Western Association of Map Libraries. Information bulletin*, vol. 10, no. 2, March 1979, p. 176-182.

Cartographic sources and procurement problems.

Appendix F: A list of national bibliographies containing references to atlases and maps. Appendix G: United States official mapping agencies. Appendix H: Library of Congress cartographic acquisitions by federal agency. Appendix I: Sources of official state maps. Appendix J: Selected United States private and commercial map publishers. Appendix K: Selected sources for maps published by international organizations. *Special Libraries Association. Geography and Map Division. Bulletin*, no. 115, March 1979, p. 35-50.

New Members

June Graff
Assistant Librarian
Institute of Sedimentary and Petroleum Geology
3303 33rd Street, N.W.
Calgary, Alberta, Canada T2L 2A7

Jannette L. Sharp
Library Technician
U. S. Geological Survey Library
Mail stop 914, Denver Federal Center
Box 25046
Denver, Colorado 80225

Beverly Strisower
Information Specialist, Earth Sciences Division
Lawrence Berkeley Laboratory
1 Cyclotron Road
Berkeley, California 94720

Position Open

Geology Librarian. Head of 36,000 volume departmental library in geology. Responsible for reference, collection development, liaison with faculty and central library, and supervision of library operations. ALA-accredited MLS plus two years related experience required. Subject degree in geology preferred. Minimum salary \$13,000. Send résumé and names of three references by September 1, 1979, to Joseph Jerz, Assistant University Librarian, University of North Carolina Library, Chapel Hill, N.C. 27514. An Equal Opportunity/Affirmative Action Employer.

Position Wanted

ALA-accredited MLS, BS Geology seeks position as librarian/information specialist. Experience: bibliographic searching and compilation, online searching, science reference, organizing a small library. Available immediately. Résumé sent upon request. J. Laursen, 1010 N. 500 E. Vernal, Utah 84087, phone 801/789-2877.

1979 GIS Officers

PRESIDENT: Julie H. Bichteler, Graduate School of Library Science, The University of Texas at Austin, Box 7576, University Station, Austin, Texas 78712 (512/471-3821)

PAST PRESIDENT: Richard D. Walker, Library School, University of Wisconsin, Madison, 600 North Park Street, Madison, Wisconsin 53706 (608/263-2919 or 263-2900)

VICE-PRESIDENT and PRESIDENT-ELECT: Rosalind Walcott, Earth and Space Sciences Library, State University of New York at Stony Brook, Stony Brook, New York 11794 (516/246-3616)

SECRETARY: Caryl L. Shields, U. S. Geological Survey Library, Mail stop 914, Denver Federal Center, Box 25046, Denver, Colorado 80225 (FTS: 303/234-4133; commercial: 303/234-4133; home 303/449-9146). *Please send mail to home address: 510 22nd Street, Boulder, Colorado 80302.*

TREASURER: Robert A. Bier, Jr., U. S. Geological Survey Library, National Center - Mail stop 950, 12201 Sunrise Valley Drive, Reston, Virginia 22092 (FTS: 703/928-6671; commercial: 703/860-6671)

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 \$12.00 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.

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