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GIS newsletter

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GSA Annual Meeting

GIS Activities Denver, November 7-10, 1976

Sunday, Nov. 7

1400-1600
1976 Executive Board
Hilton, Biltmore Room

Monday, Nov. 8

0830-1145
Geoscience Information Technical Session
3G, Convention Center
(space for 210)
1330-1800
Field Trip Tour

Tuesday, Nov. 9

0930-1100
GIS Business Meeting
Brown Palace, Onyx Room
1130-1300
GIS Luncheon
Brown Palace, Coronet Room
1500-1700
1977 Executive Board
Brown Palace, Coronet Room

Wednesday, Nov. 10

0830-1200
On-Line Search Workshop for GeoRef and Petroleum
Hilton, Gold Room

GIS Technical Session

MONDAY, NOVEMBER 8, 1976 3G CONVENTION CENTER

0830

Publications of the International Union of Geological Sciences: Their Influence on U. S. Geoscientists.

Bichteler, Julie

Graduate School of Library Science, The University of Texas at Austin, Austin, Texas.

0845

Operational and Economic Feasibility of an Automated Editorial Processing Center for Technical Journals.

Whitby, Oliver W.

Information Systems Group, Stanford Research Institute, Menlo Park, California.

0900

Development of Inventories of Energy Research and Development Information Resources.

Kohn, Robert S.

Battelle's Columbus Laboratories, Columbus, Ohio.

0915

Use of Earth Science Information by City and County Planning Agencies in the San Francisco Bay Region, California.

Kockelman, William J.

U. S. Geological Survey, Menlo Park, California.

0930

A New Approach to Foreign Language Study for Geologists.

Vitaliano, Dorothy B.

U. S. Geological Survey, Bloomington, Indiana.

0945

Questions.

1000

Coffee Break.

1015

Using GeoRef Tapes as a Current Awareness in an Academic Setting.

Walker, Richard D.

Library School, University of Wisconsin-Madison.

1030

Petroleum Abstracts Information System.

Graves, Roy W. and

Bailey, John A.

Information Services Division, The University of Tulsa.

1045

The Lawrence Livermore Laboratory Nuclear Test Effects and Geologic Data Bank.

Howard, Nancy W.

Earth Sciences Division, Lawrence Livermore Laboratory, Livermore, Calif.

1100

Organization of Lake Hydrology Data by Means of a Generalized Data-Base Management System.

McBride, Mark

U. S. Geological Survey, St. Paul, Minn.

1115

"GRASP"—A System for Interactive Manipulation of Geologic Data.

Botbal, Joseph Moses and

Bowen, Roger W.

U. S. Geological Survey, Reston, Va.

1130

Discussion.

1145

Fini.

SEP 27 1976

GIS Schedules Stimulating Convention Program

GIS' Technical Session at the GSA convention in Denver November 8 promises to be a stimulating program. GIS Vice-President John Mulvihill points out that "the number of papers on *numeric* data is perhaps indicative of the increasing significance of this data as a component of geoscience information." The On-Line Search Workshop on November 10 will not have papers presented. It will consist of three parts. The individuals involved have prepared descriptive text to be distributed at the session. The text will be published in the *GIS Proceedings*. The first part of the Workshop will orient those attending to on-line searching. Terms such as "search program," "data base," "computer terminal," "communications network," "connect time," and "off-line printout" will be explained. The second part will be specific to searching Petroleum Abstracts and GeoRef. Slides of the terminal displays for specific on-line searches will be used to illustrate Parts Two and Three, in lieu of the terminals themselves, which are difficult for a group to observe. Questions are appropriate at any time.

The tour will leave the Hilton Hotel at 1:00 p.m. Monday afternoon. Stops will be made at the National Center for Atmospheric Research and the GSA Headquarters, both in Boulder. These are not the only facilities of interest to GIS members. Anyone wishing to visit the new USGS Library in the Denver Federal Center, the Marathon Oil Company Library in Littleton or the NOAA facility in Boulder should contact John Mulvihill. If several people are interested, he may be able to arrange an informal tour.

GIS members are reminded that preregistration for the convention must be postmarked by October 1. The preregistration fee is \$36.00 for professional, \$15.00 for student, \$12.00 for spouse or guest. The GIS luncheon at the Brown Palace on November 9 costs \$7.50.

President's Column

Greetings,

Many exciting happenings are occurring in the geologic community this year. The International Geological Congress (IGC) meets in Sydney, Australia, August 16-25, 1976. Dorothy Vitaliano, U.S.G.S., Bloomington, Indiana will officially represent GIS at the meeting of the newly formed Australian Geoscience Information Association which meets during the IGC. Harriet Scott, Geology Librarian at Queens University, Kingston, Ontario, Canada and Rosalind Walcott of SUNY, Stony Brook, New York, plan to attend the IGC meeting in Sydney also.

Those of you interested in obtaining all of the publications of the IGC should preregister as nonattending members prepaying for the publications and all will be mailed to you upon publication.

All publications except guidebooks \$ 30.00
Guidebooks (all) \$100.00

The Secretary-General
25th International Geological Congress
P.O. Box 1892
Canberra City, ACT 2601
Australia

The dates for the 11th annual meeting of the Geoscience Information Society will be in conjunction with the Geological Society of America annual meeting in Denver, Colorado, November 8-11, 1976. The GSA Conference will be held for four days this year. However, GIS activities will end on Wednesday, November 10, at noon.

Members are urged to preregister for the Conference including preregistration for the GIS luncheon (\$7.50) through GSA and the GIS field trip tour through Kay Keener, GIS treasurer. (Editor's note: The tour cost has not been determined, but Kay needs to know who is interested.) John Mulvihill has worked hard on the technical program and workshop. They promise to be very worthwhile.

John and I attended the Joint Technical Program Committee meeting at GSA headquarters in Boulder, Colorado, July 27-28. There, we with key members of the GSA staff and the representatives of the 17 other affiliated societies set up the Fall program for GSA.

I also attended the May 27th meeting of the Governing Board of the American Geological Institute in New Orleans, Louisiana. I will represent GIS at the Fall meeting of the Representatives of the Affiliated Societies of GSA also in Denver.

It has been a pleasure to work with GIS committees this past year and to represent GIS with other societies in the geologic community. I feel that the committees are working hard and much is being accomplished. It has been good to have the *Newsletter* published bimonthly again.

A goal for GIS should be to be financially stable in order to pay our own way in activities as well as to put money back into the projects serving the geologic community.

GIS has been invited to participate in an international meeting in 1978. More about this at the GIS business meeting in Denver. See you there.

Sincerely,

Vivian S. Hall, President
Geoscience Information Society

GIS To Consider International Geoscience Information Meeting

GIS members will be asked at the annual business meeting in Denver to consider the possibility of holding an international geoscience information meeting in London in the summer of 1978. The idea first arose in conversations Dederick Ward (Univ. of Colorado Libraries) had with A.P. Harvey, Chairman of the Geological Information Group of the Geological Society of London. GIS President Vivian Hall has asked Mr. Ward to pursue the idea further. Mr. Ward reports that "the executive committees of GIS and the London Group have endorsed further discussion by their

respective memberships. A program can be developed around the whole spectrum of geological communication—idea to retrieval. Other groups and individuals would be invited to participate. Principal questions (to consider) are whether or not we should proceed, likely participants, program content, and help with funding."

Geologic Field Trip Guidebooks Of North America

Geologic field trip guidebooks of North America, a union list incorporating monographic titles. Compiled and edited by Geoscience Information Society, Guidebooks and Ephemeral Materials Committee. 2d ed. 1971. \$20.00. Available from: Wilson Publishing Company, 1939 West Gray Street, Houston, Texas 77019.

ICSU AB Sponsors Symposium On Information For The 1980's

The International Council of Scientific Unions Abstracting Board sponsored a symposium "Information Demand and Supply for the 1980's" at the National Academy of Sciences, Washington, D.C., on June 23 and 24. Three distinguished panels, moderated by A. Kent (Director, United Kingdom Capital Information Service), Joel Lloyd (Executive Secretary, Council on International Scientific and Technical Information Programs, NAS) and J. R. Smith (Director of Research, BIOSIS), considered: (a) the determining characteristics of the time-space framework of our environment and the special nature of the information that will be required; (b) the new media and transfer mechanisms that may be created to ensure its dissemination; (c) and the global political questions that must be answered—that is, the adaptation of scientific and technical information to the new needs of the established and emerging nations, the legal and ethical questions associated with transnational delivery, and the responsibilities of both generators and users of information.

Speakers on Panel I ("Definition of the Future") were J. P. Alvarez-Ossorio (Director, Instituto de Información y Documentación en Ciencia y Tecnología), Mary Gardiner-Jones (Vice-President, Western Union) and Dale Baker (Director, Chemical Abstracts Service). Panel II ("Instrumentation and Requirements for the Future"): Isaac Auerbach (President, Auerbach Corporation), Natalie Dusoulier (Editor-in-chief, Bulletin Signalétique) and Derek Barlow (Director, INSPEC). Panel III ("Political Significance of Future Information Requirements"): Adam Wysocki (Director, UNISIST, UNESCO) and John Woolston (Director, Information Sciences, International Development Research Center). Dr. Donald Fisk (Executive Consultant to IEEE) was the keynote speaker.

Proceedings of the symposium will be published in November 1976.

GeoRef Workshop To Be Held In California

AGI has scheduled a Workshop on GeoRef, conducted by the GeoRef staff, to be held in Menlo Park, California, October 1-2, 1976. The Workshop will concentrate on indexing vocabulary, indexing practice, and preparation of searches. It is intended for those searching GeoRef on-line at System Development Corporation.

Place: U. S. Geological Survey
345 Middlefield Road
Menlo Park, CA 94025

Time: October 1-2, 1976, 1:00 p.m. (The Friday and Saturday preceding the ASIS meeting in San Francisco)

Cost: \$100 per person

Contact: Mrs. Hazel Kirby
American Geological Institute
5205 Leesburg Pike
Falls Church, VA 22041
(703) 379-2480 Ext. 212

Librarian Seeks Literature On Hollow Earth Theory

This correspondence was recently received from Walter Minkel, 440 Palo Verde, Monterey, California 93940:

I am a reference librarian at the John Steinbeck Library in Salinas, presently working on a project of my own—to collect information and bibliographical references concerning the "pseudoscience" theory of the Hollow Earth. This theory states that the earth is hollow and possesses one or more openings leading to a habitable world within (usually these openings are thought to be located at the Poles). Material dealing with this conception of the earth is widely scattered, and although it has been supplying science fiction writers with ideas for two centuries, no bibliography, as far as I know, exists on the subject.

Other than the references listed in Martin Gardner's *Fads and fallacies in the name of science* (Dover, 1957) and Raymond Bernard's *The hollow earth* (University Books, 1969), I have been able to locate little material on this theory. I have heard of a "Hollow Earth Society," but have not been able to discover whether it actually exists or where it is located. Do you know of any sources of information on the Hollow Earth theory? I would appreciate *anything* you might give me—hints, leads, titles of papers or articles, or names of scholars or organizations with whom I might correspond. I hope to eventually publish a comprehensive bibliography of this facet of pseudoscience. Thank you."

Sincerely yours,
Walter Minkel

Marjorie Hooker, Noted Geologist, Dies

Marjorie Hooker, 67, a geologist with the U. S. Geological Survey, Reston, Va., for nearly 30 years, died of cancer May 4, 1976 at Doctors Hospital.

With the Survey since 1947, she was responsible for abstracting geological literature, compiling data on the composition of igneous and metamorphic rocks of the world, and for international correlation of chemical data on granitic rocks.

Miss Hooker had received worldwide recognition for her work in scientific bibliography and for her activities with international scientific societies.

Born in Flushing, N.Y., she was a graduate of Hunter College and received a master's degree in geology from Syracuse University. She took graduate work at Columbia University.

She worked for four years as a mineral resource analyst with the State Department before joining the Geological Survey.

As organizer of abstracts from America for "*Mineralogical abstracts*" since 1969, Miss Hooker had published 64 papers and was an adviser on chemical data.

She helped organize conferences for international societies, developed new programs in mineralogical and petrologic studies and corresponded extensively with geologists all over the world.

Miss Hooker had been a delegate to four international geological congresses, including the one in Prague in 1968 that was interrupted by the Soviet invasion.

She was a fellow of the Mineralogical Society of America, the Geological Society of London and the American Association for the Advancement of Science.

She also was a member of the Geoscience Information Society, the American Geophysical Union, the American Institute of Mining Engineers, the Association of Earth Science Editors and the mineralogical societies of Great Britain, France, Canada, Switzerland and Japan.

She is survived by two sisters, Elsie A. Hooker, of Flushing, and Vera H. Heidrick, of Addison, N.Y.

The family suggests that expressions of sympathy may be in the form of contributions to the geology department of Syracuse University.

Position Open

A professional position immediately available for a person with a BS in engineering, geology, geophysics, or similar degree; an MS in library science; and 5 years or more library experience, some in cataloging, to supervise our exploration and production research center library in Tulsa. Good advancement opportunities, salary negotiable. Please send résumé in confidence to: Mrs. Sharline W. Knowland, Employment Coordinator, Amoco Production Company, P.O. Box 591, Tulsa, Ok., 74102. An Equal Opportunity Employer M/F.

SLA To Hold Conference On Maps In October

Special Libraries Association, Geography and Map Group, Washington, D. C. Chapter, will sponsor a Second Conference on Maps and Map Librarianship October 14-16, 1976, at the Dulles Marriott Hotel, Dulles International Airport, Virginia. Reservations must be made by Friday, October 8. The cost is \$21.00. Additional information may be obtained by writing the Planning Committee, Second Conference on Maps and Map Librarianship, c/o Library of Congress, Geography and Map Division, 845 South Pickett Street, Alexandria, Va. 22304 or telephone Richard W. Stephenson, 703/370-1335 or Janice Fitzpatrick, 703/860-6679.

Dorothy Vitaliano To Represent GIS At IGC in Sydney

Dorothy Vitaliano, Geologist, U. S. Geological Survey, will represent the Geoscience Information Society at the 25th International Geological Congress in Sydney August 16-25. She will give a report at the GIS business meeting in Denver in November. Mrs. Vitaliano has been named a Formal Member of the Commission on Tephrochronology of INQUA and is responsible for updating the *World bibliography and index of Quaternary tephrochronology*, published in 1974. It is edited by J. A. Westgate and C. M. Gold. The bibliography contains 3000 references and both geographical and subject indexes. It may be obtained for \$6.50 from: John A. Westgate, Division of Physical Sciences, Scarborough College, University of Toronto, West Hill, Ontario M1C 1A4.

GIS Members In The News

JULIE H. BICHTLER, Assistant Professor, Graduate School of Library Science, The University of Texas at Austin, has been named Chairman-elect, Science Division, Special Libraries Association, for 1977.

Literature Citations

(GIS members are in caps)

Bibliography and index of Oklahoma geology, 1975. Compiled by Elizabeth A. Ham and William D. Rose. *Oklahoma geology notes*, vol. 36, no. 3, June 1976, p. 79-116.

A directory of societies in earth science. Geotimes, vol. 21, no. 8, August 1976, p. 24-29.

Ristow, Walter W. *Map library education in the United States and Canada. Special Libraries Association. Geography and Map Division. Bulletin*, no. 104, June 1976, p. 38-41.

SMITH, HARRIET WALLACE and Miller, Ralph L. *Basic geology collection for a Latin American university library, and a guide for building the collection. Instituto Panamericano de Geografía e Historia. Revista geofísica*, no. 4, June 1976.

New Publications

Administration and management of scientific and technical libraries. Compiled by Catherine Bahn. March 1976. 12 p. Free. (LC science tracer bullet TB 76-1) (ISSN 0090-5232). Available from Reference Section, Science and Technology Division, Library of Congress, 10 First Street, S.E., Washington, D.C. 20540.

Current Antarctic literature. No.44. April 1976. 24 p. Free. (LC 75-643001; ISSN 0096-879X). Prepared by the Cold Regions Bibliography Project, Science and Technology Division, Library of Congress, for the Office of Polar Programs, National Science Foundation. Available from the Office of Polar Programs, National Science Foundation, Wash., D.C. 20550.

Earney, Fillmore C.F. *Mining, planning, and the urban environment: an annotated bibliography, 1960-1975.* Monticello, Ill., Council of Planning Librarians, 1975. pap. \$3.50. (Council of Planning Librarians. Exchange bibliography no. 881) (LC 76-358541).

Fang, Josephine Riss and Songe, Alice H. *International guide to library, archival, and information science associations.* New York, Bowker, 1976. 354 p. \$15.00. (LC 76-2700; ISBN 0-8352-0847-8).

The interchange of bibliographic information in machine-readable form. Edited by Richard Coward and Michael Yelland. London, Library Association, 1975. 100p. £2; Association members. £1.60. (Library Association research publication no. 17).

Recent developments and future needs of library automation in Western Europe are summarized in these papers given at the Western European Seminar on the Interchange of Bibliographic Information in Machine-Readable Form, May 1974.

"Papers on developments in Scandinavian, German-speaking, French-speaking, Dutch, Belgian, British and Italian libraries precede topical papers on sharing subject information, machine formats, bibliographic standardization, character sets, filing and authority files. A closing resolution urges that a study be made which recommends the best financial and organizational arrangements for international exchange of machine-readable bibliographic information."

McGraw-Hill encyclopedia of energy, by the Staff of the *McGraw-Hill encyclopedia of science and technology*. Daniel N. Lapedes, editor-in-chief. New York, October 1976. 750 p. \$24.50. (ISBN 07-045261-X).

"The *Encyclopedia* is arranged in two parts. The first--"Energy perspectives"--contains 6 feature articles which give an overview of the worldwide energy situation, focusing on how energy is obtained, how efficiently (or inefficiently) it is utilized, what alternative sources of energy exist, how major sources of energy are distributed geographically, what the energy costs are in terms of social, economic, and political factors, what steps are being taken nationally and on a global scale to solve the "energy crisis," and

what policies the United States has adopted toward the present and future use of energy and energy resources.

The second part--"Energy technology"--features more than 300 alphabetically arranged articles on such areas as coal mining, nuclear power, ecology, electric power generation, petroleum processing, and energy sources, to name a few. The articles, some taken from the *McGraw-Hill encyclopedia of science and technology* and its *Yearbooks*, and others written especially for this volume, were recommended by a prominent board of consultants representing diverse scientific and technological disciplines."

Preston, Dennis Richard. *Bituminous coal mining vocabulary of the Eastern United States.* University, Ala., University of Alabama Press, 1976 (c1975). 128 p. pap. \$7.70. (American Dialect Society. Publication No.59, April 1973) (ISBN 0-8173-0659-5).

Sharma, Prakash C. *A selected research bibliography on oil pollution.* Monticello, Ill., Council of Planning Librarians, 1976. 11p. pap. \$1.50. (Council of Planning Librarians. Exchange bibliography 969).

Van Nostrand's scientific encyclopedia. 5th ed. New York, Van Nostrand Reinhold, October 1976. 2,400 p. (approx.) tent. \$67.50. (ISBN 0-442-21629-7).

1976 GIS Officers

PRESIDENT: Vivian S. Hall, Geology Librarian, 100 Bowman Hall, University of Kentucky, Lexington, Kentucky 40506 (606/258-5730)

VICE-PRESIDENT and PRESIDENT-ELECT: John G. Mulvihill, Manager, GeoRef, American Geological Institute, 5205 Leesburg Pike, Falls Church, Va. 22041 (703/379-2480)

SECRETARY: Mary W. Scott, Geolibrarian, University of North Dakota, Chester Fritz Library, Grand Forks, North Dakota 58201 (701/777-2617)

TREASURER: Katherine L. Keener (Code 25111), Librarian, Naval Environmental Protection Support Office, Naval Construction Battalion Center, Port Hueneme, Calif. 93043 (All correspondence should be marked PERSONAL OFFICIAL.) Phones: AUTOVON - 360-5952; FTS - 799-5952; Commercial - 805/982-5952; Home - 805/486-3473.

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:

Mary W. Scott
Geolibrarian
University of North Dakota
Chester Fritz Library
Grand Forks, North Dakota 58201

GIS members are invited to contribute articles or news of general interest to the membership. Please submit all material to the Editor.

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