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GEI

# GEOSCIENCE INFORMATION SOCIETY

## NEWSLETTER

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### 1973 GIS ANNUAL MEETING in DALLAS, Tex.

The 8th Annual Meeting of the Geoscience Information Society will be held in Dallas, Tex., during the annual meetings of the Geological Society of America and its associated societies, 12-14 November 1973. The GIS program will feature a half-day technical session, a half-day symposium, a luncheon and Annual Business Meeting, and a cocktail party. The chairman of the GIS Annual Meeting is Vice-President Marjorie W. Wheeler (Science-Technology Library, Lamar Univ Library, Box 10021, Beaumont, Tex. 77710; phone 713/838-8934).

The technical session, entitled "Progress and Innovation", is scheduled for Tuesday morning, November 13. The session will be chaired by Hartley K. Phinney, jr. (Chevron Oil Field Research Co., La Habra, Calif.) and Henry F. Yarbrough (Mobil Research and Development Corp., Dallas). Speakers and titles of papers are:

Barbara J. Orosz (Union Oil Co. of California, Brea, Calif.): *UNISRCH: a computerized information retrieval system*

Leatha F. Miloy (Texas A&M Univ): *The Sea Grant Program and information sources*

Philip A. Turner (U.S. Army Coastal Engineering Research Center, Ft. Belvoir, Va.): *The utilization of a generalized data management system for storage and retrieval of geological sample information*

Dirgham Salahi (American Geological Institute): *Indexing from an indexer's point of view*

Julie Bichteler (Univ of Texas at Austin): *GEO-REF--the user's view*

Wendell Cochran (American Geological Institute): *Geowriting--writing, editing, & dissemination of earth science information*

Marianne M. Kugler-Gagnon (Univ of Ottawa): *Geoscience for planning: part 2*

The symposium, entitled "New and Unusual Publications in Geoscience", is scheduled for Tuesday afternoon, November 13. Speakers will stress the unique and hard-to-find material--new and exciting developments of interest to the geoscience information specialist. The symposium is being organized by Beverly J. Holmes (Southern Methodist Univ), and

will be presided over by Aphrodite Mamoulides (Shell Development Co., Houston). Speakers and titles of papers are:

Vivian S. Hall (Univ of Kentucky): *Environmental geology: a selected bibliography*

Doreen M. Sutherland (Geological Survey of Canada): *Geoscience document distribution in Canada*

William A. Shinnick (Univ of New Mexico): *The Technology Application Center as an information source for the geoscience/natural resource community*

Don L. Hopkins (U.S. Geological Survey, Washington, D.C.): *Aerial photography--uses, users, and where to find it*

Robert G. Reeves (EROS Data Center, Sioux Falls, S.D.): *EROS Data Center: a new source of earth science information*

George Becraft (U.S. Geological Survey, Washington, D.C.): *U.S.G.S. open-file reports*

Joe Ann Clifton (Litton Industries, Inc., Woodland Hills, Calif.): *Dissipation of Babel--obtaining Federal information*

Social events at GIS-73 are being handled by Margaret H. McLean (Atlantic Richfield Co., Dallas). A luncheon at Brennan's (of New Orleans fame) is scheduled for Monday noon, November 12. Brennan's will provide one of their specialty luncheons; cost will be \$5.75. The restaurant is located at One Main Place, a 15-minute walk from the conference headquarters hotel (Statler Hilton) or the principal meeting site (Memorial Auditorium and Convention Center).

GIS members who are planning to attend the luncheon are asked to complete the coupon on the last page of this newsletter, and return it with a check for \$5.75, payable to "Geoscience Information Society", to: Mrs. Margaret McLean, Geoscience Library, Atlantic Richfield Co., Box 2819, Dallas, Tex. 75221. Following the luncheon, the GIS Annual Business Meeting will be held at Brennan's, until approximately 4 p.m.

An open-house cocktail party is scheduled for Monday, November 12, from 5:30 to 7:30 p.m., in the ballroom of the Baker Hotel. Cash-bar prices will be approximately \$1.15 per drink.

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Abstracts of the technical-session and symposium papers, as well as complete information about the GIS meeting, will be given in the October 1973 issue of the *GIS Newsletter*. See also the centerfold section of the August 1973 issue of *Geotimes* for information about the GSA meetings, including housing reservation and pre-registration forms.

#### GIS NEWS

\*\*\* John F. Price, assistant chief for reference and referral services, Science & Technology Division, Library of Congress, has been named by President Phinney to complete the term of the late Logan O. Cowgill as the GIS Representative to the American Geological Institute's Committee on Geoscience Information.

\*\*\* Joseph C. Carl, information scientist, Gulf Research & Development Co., Pittsburgh, Pa., has been appointed by President Phinney to chair the GEO-REF Advisory Committee. The committee is to furnish user-oriented advice to GEO-REF in order to improve the system's usefulness by the geoscience community. Members of the committee also include Aphrodite Mamoulides (Shell Development Co., Houston) and Clarence A. Sturdivant (Marathon Oil Co., Littleton, Colo.).

#### COLORADO GIS MEMBERS HOST PRESIDENT PHINNEY

Seven GIS members and six guests attended the first get-together of Colorado GIS members on 6 August. Roza Ekimov (EXXON Company, U.S.A., Denver), who conceived the idea, arranged a very pleasant social hour and dinner at the Cherry Creek Inn in Denver.

After dinner, GIS President Hartley Phinney gave a preview of the plans for the 1973 GIS Annual Meeting to be held in Dallas. And, Richard Pearl (Colorado College) described his new venture as owner of Earth Science Publishing Company and publisher-editor of *Earth science* magazine.

A special guest was Señora Ana María Bustamante of the Centro de Información y Documentación, Consejo Nacional de Ciencia y Tecnología, Mexico City. Señora Bustamante has spent the summer at the Univ of Denver working toward her master's degree. EXXON Company, U.S.A. gave her an appropriate memento of her visit to Colorado--the Sunset House book, *The beautiful Southwest*.

Phoebe Hayes (Bibliographic Research Center, Denver, and president of the Colorado Chapter of the Special Libraries Association) was also among the guests. Miss Hayes and the Colorado GISers started discussions preliminary to a joint meeting.

Others in attendance, besides those named above, were GISers Robert Austin, Catharine Cross, Nola Rheams, and Lee Swift, and guests Elizabeth Behrendt, Mr. Ekimov, Mr. Rheams, and Mrs. Pearl.

#### GISers in the NEWS

Julie Bichteler, assistant professor in the Graduate School of Library Science, Univ of Texas at Austin, received her PhD in information science from the Univ of Texas at Austin.

Margaret Gary, co-editor of AGI's recently published *Glossary of geology*, has accepted a position as an abstractor with Logical Technical Services Corp. in Arlington, Va.

William H. Matthews, III, director of education at the American Geological Institute, will return to Beaumont, Tex., but will continue as unpaid director of education on a part-time basis.

#### NEW MEMBERS of GIS

Alexander, Sue Ann: Geology Librarian, Winchell Geology Library, Room 204 Pillsbury Hall, Univ of Minnesota, Minneapolis, Minn. 55455  
 Bashford, Alistair: Geological Survey of New South Wales, P.O. Box R216, Sydney, N.S.W. 2000, Australia  
 Beson, Mrs. Carolyn: Technical Librarian, Exploration Production Research, Getty Oil Co., 3903 Stoney Brook, Houston, Tex. 77042  
 Cross, Mrs. Catharine S.: Acquisitions Librarian, Colorado School of Mines, Golden, Colo. 80401  
 Earth Physics Branch Library, Dept of Energy, Mines & Resources, Ottawa, Ont., Canada K1A 0E4  
 Goff, William James: Librarian, Scripps Institution of Oceanography, Univ of California at San Diego, Box 109, La Jolla, Calif. 92037  
 Hensinger, James Speed: 1024 North Third Ave, Tucson Ariz. 85705  
 Krupp, Ms. Mary Foster: Librarian, Getty Oil Co, P.O. Box 54050, Los Angeles, Calif. 90054  
 LeForge, Timothy Val: 1732 Kudza Rd, West Palm Beach, Fla. 33406  
 Maloney, Jane F.: Geology Specialist, Science Reading Room, Univ of Washington Libraries, Seattle, Wash. 98105

#### DID A GEOLOGIST INVENT DEWEY'S CLASSIFICATION?

Professor William Phipps Blake (1826-1910), a distinguished scholar and man of action characteristic of the 19th century, was, among other things, an explorer, engineer, and geologic surveyor in the U.S. West, the Orient, Alabama, and Santo Domingo. At the age of 70, he became the first director of the Univ of Arizona School of Mines and remained active as a geologist until his death. A true "Renaissance Man", he was equally at ease with Presidents, Parisian princes & Viennese archdukes, Japanese samurais & Chinese mandarins, and Western prospectors & miners. He was a noted collector of ceramic art, and established the first school of science in Japan. He was also the organizer and executive commissioner of the Centennial Exhibition which opened in Philadelphia in May 1876; four years

earlier, he submitted an outline of his classification for the logical arrangement of objects in the upcoming Exhibition so that they could be conveniently examined, compared, judged, and listed in a catalog.

According to John Maass in his article "Who invented Dewey's Classification?" (*Wilson library bulletin*, Dec 1972, v.47, no.4, p.335-341), Blake's classification, as proposed in 1872, was virtually identical with the decimal system devised by Dewey and published by him four years later. Noting that the "overwhelming triumph" of the Dewey Classification was due to its simple and flexible decimal notation (rather than to its classification), Maass states that Dewey copied that notation from Blake and "cunningly covered his tracks". Dewey adapted the geologist's system for a six-month exhibition to the wider and permanent use in libraries, for which Dewey deserves great credit. But, says Maass, "Dewey's deliberate failure to even acknowledge his large debt to William Phipps Blake is another matter. I leave it to the American librarians to make their own moral judgment on Dewey's conduct in this case" (p.340).

#### NEWS NOTES

##### REFERENCES IN MARINE GEOLOGY

As a spin-off from the GEO-REF computerized bibliographic reference system, the American Geological Institute is generating photocomposed listings of all new references to marine geology from journals published world-wide. These listings are sent to the Elsevier Publishing Company in Holland where they are being printed and incorporated as a special feature of the issues of the journal *Marine geology*. According to AGI, if this service is well received, it may be extended to *Tectonophysics*, another Elsevier publication.

##### THESAURUS FOR GEOSCIENCE

The London, Eng., firm of Geosystems is in the process of updating and amending the Geosystems Decimal Classification prior to the issue of a new edition of its *Users' guide and geosaurus--Geosystems thesaurus for geoscience*. It is intended to subdivide the main classes where necessary, and to provide "a complete revision of the geographical and physiographical auxiliaries". Readers of *Geosystems' Geotitles weekly* can obtain a free copy of the new edition upon publication by answering a set of questions regarding the adequacy of the weekly current-awareness service. Contact: James Shearer, P.O. Box 1024, Westminster, London SW1P 2JL, England.

#### LITERATURE CITATIONS

(GISers indicated in UPPER CASE)

Berner, H., & others (Dec 1971) *Data storage and processing in geological mapping; II. Data file*. Geologiska Föreningen. Förläggning, v.93, pt. 4, no.547, p.693-705.---Describes "technical

principles" of GEOMAP, a new system for collecting and processing geologic field data. The standard retrieval of GEOMAP includes (1) lists and plotted maps of outcrops, rock types, and single or combined tectonic parameters, (2) plotting of tectonic data in equal-area projections, (3) a new way of processing current text, and (4) various statistical functions.

Calkins, J.A.; Kays, Olaf; and Keefer, E.K. (1973) *CRIB--the mineral resources data bank of the U.S. Geological Survey*. U.S. Geological Survey. Circular 681. 39p.---The Computerized Resources Information Bank (CRIB) consists of a set of records containing the basic information needed to characterize one or more mineral commodities, a mineral deposit, or several related deposits. Data are processed by the General Information Processing System (GIPSY) program, which performs all the tasks needed to build, operate, and maintain the CRIB file.

Descamps, J.L. (1971) *Vers un dictionnaire contextuel: classement d'un corpus traitant de géologie*. TA informations, 1971, no.1, p.1-33.---Organization of a body of geological information for compiling a contextual dictionary.

Hanson, George F. (1972) *Historical directory of State geological surveys*. Grand Forks, N.D.: Association of American State Geologists. 33p.---A tabulation of the changes in the titles of State geological surveys, as well as the names, titles, and periods of tenure of their directors. Available, at no charge, from E.A. Noble, North Dakota Geological Survey, Univ Station, Grand Forks, N.D. 58201.

Koch, George S., jr.; Link, Richard F.; and Schuene-meyer, John H. (c1972) *Computer programs for geology*. New York: Artronic Information Systems. 142p.---Provides computer programs to perform the statistical analyses in the authors' *Statistical analysis of geological data* (v.1, 1970; v.2, 1971) published by Wiley. The programs are written in FORTRAN IV for a General Electric GE-400 time-shared computer system.

Krystal'nyy, B.V. (Apr 1973) *Scientific communication in geology*. International geology review, v.15, no.4, p.373-379.---"The system of communications, in effect since prewar times, is no longer capable of assuring completeness, reliability, and timeliness in the exchange of geological information. The information barriers (language, coverage, scattering of primary data, availability, other) may be overcome only by technological modernizations of the information exchange mechanisms here visualized". Translation of *Nauchnaya kommunikatsiya v geologii* (Akademii Nauk SSSR. Izvestiya; seriya geologicheskaya, 1973, bo.1, p.12-21).

Lloyd, Joel J. (May 1973) *GEO-REF, a review*. Journal of geological education, v.21, no.3, p. 126-129.---Review of services and products of GEO-REF, the American Geological Institute's bibliographic reference system. " ... ideally GEO-REF will build its economic base to cover every-

thing, with deep indexes that are adequate for high-relevance retrieval".

Lloyd, Joel J. (June 1973) *Don't get a horse*. *Geotimes*, v.18, no.6, p.15.---Editorial concerning geological information. AGI's GEO-REF is "pledged to attain self-sufficiency by the end of 1974. There is no reason why it shouldn't. If geologists become aware of the many services available to them the system will require neither grants, nor endowments, nor contributions".

Martins, Francisco Xavier (1970) *Classificação decimal universal para ciências geológicas e afins; sugestões para solução de algumas dificuldades*. Luanda, Angola: Instituto de Investigação Científica, Centro de Documentação Científica. 159p.---Suggestions for solution of certain problems relating to UDC in the geologic and related sciences.

Morenhoff, E. (1971) *Instrument report: Marine Information Systems*. *Oceanology international*, v.6, no.2, p.34-36.---Data-base management systems can assist in marine-data organization and extraction.

Novikov, Energii Alekseevich (1971) *Putevoditel'po geologicheskoi literature mira*. Leningrad: Izd. Nedra, Leningr. Otd. 167p.---A guide to the geologic literature of the world.

PEARL, RICHARD M. (1973) *Handbook for prospectors*. 5th ed. New York: McGraw-Hill. 472p. \$14.50.---Entirely rewritten. Based on *Handbook for prospectors and operators of small mines* by M.W. von Bernewitz.

Shrock, R.R. (May 1972) *A way to help the Paleontological Society to meet publication costs*. *Journal of paleontology*, v.46, no.3, p.451-453. ---Royalty-producing books have been "welcome additions to the Society's 'portfolio'".

Sylvester-Bradley, Peter C. (1973) *Universal Decimal Classification and retrieval of taxonomic data*. Stereo-atlas of ostracod shells, v.1, no.1, p.5-22.---Proposes a new set of UDC schedules for certain areas of paleontology. Schedules are given for: taxonomic position; geologic horizon; geographic location; and ecologic situation or lithologic facies.

Whetstone, G.W., and Grigoriev, V.J., eds. (1972) *Hydrologic information systems*. New York: Unipub (Unesco). 74p. \$5. (Studies and reports in hydrology, 14).---State of the art of systems that acquire, transmit, process, and store hydrologic data. Estimates are given of costs of collecting different types of data. Prepared by the Panel on Systems for the Acquisition, Transmission and Processing of Hydrologic Data (SAPHYDATA) of the coordinating Council of the International Hydrological Decade.

#### GIS OFFICERS

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8th ANNUAL MEETING  
of the  
GEOSCIENCE INFORMATION SOCIETY  
12-13 November, 1973  
Dallas, Tex.

GIS members planning to attend the luncheon at Brennan's on Monday, November 12, are asked to complete the coupon below, and return it with a check for \$5.75, payable to "Geoscience Information Society".

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- I plan to attend the luncheon at Brennan's
- I enclose my check for \$5.75.

Name \_\_\_\_\_

Please mail to:

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Geoscience Library  
Atlantic Richfield Co.  
Box 2819  
Dallas, Texas 75221