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NASA Initiates Landsat Newsletter

NASA (National Aeronautics and Space Administration) has initiated a newsletter to inform Landsat data users of the latest changes in remote sensing technology. Recent issues of the publication have covered such topics as new Landsat products, reports, program reviews, adjustments to satellite orbits, and remote sensing meetings. One may obtain issues of the *Newsletter*, free of charge, by writing to: *Landsat newsletter*, Code 902.6, NASA-GSFC, Greenbelt, Maryland 20771. (Telephone: 301/982-6095).

DataPhase Issues Computer Glossary

DataPhase Systems, Inc., Kansas City, Mo., has published a glossary of data processing terms of interest to the library community. Compiled by Douglas M. Lawson, *Glossary of computer terms* contains definitions accepted by the American National Standards Institute. The booklet is free and may be ordered by sending 50 cents for postage and handling to: DataPhase Systems, Inc., Plaza West Center, 4528 Bellevue, Kansas City, Missouri 64111.

CAIS, ASIS To Hold Meetings In Banff

The Canadian Association for Information Science (CAIS) will hold its seventh annual conference May 12-15, 1979, at the Banff Springs Hotel, Banff, Alberta, (located in the heart of the scenic Rocky Mountains just west of Calgary). The theme of the conference is "Sharing Resources, Sharing Costs." Three to four hundred information specialists (computer scientists, librarians, documentalists, etc.) will gather to share experiences and present ideas on dealing with budget restraints and expanding needs. The American Society for Information Science Conference, sponsored by WESCAN ASIS, will be held in Banff immediately following the CAIS conference. For further information, contact: Ronald F. Peters, Publicity and Publications Chairman, c/o Environmental Design Unit, University of Calgary Library, Calgary, Alberta T2N 1N4 (Telephone: 403/284-6828).

AGI Publishes 2d Ed. Of GeoRef Thesaurus

The American Geological Institute has published the second edition of the *GeoRef thesaurus and guide to indexing*. More than 12,500 terms, 3,000 of which are new, are included in the 466-page publication. The new terms include minerals, rocks, fossils, age terms, soil terms, and new non-systematic terms (e.g., specific properties or processes). Other changes reflected in the *Thesaurus* are new methods of indexing for the *Bibliography and index of geology*, improved cross-referencing of terms, more scope notes to aid online searchers, autoposting of selected broader terms, and use of geographic coordinates to pinpoint geographic areas. A multilingual thesaurus is being developed by an IUGS/ICSU AB Working Group, of which G. N. Rassam, Chief Editor of GeoRef, is a member. One decision of the Group—not to use adjectives—is being implemented by GeoRef. It has replaced several hundred adjectives with nouns. These changes are fully explained in historical notes for terms previously used and in notes under the preferred terms. The *GeoRef thesaurus and guide to indexing* will be updated on a regular basis. Users are encouraged to send comments. The new edition is available for \$35.00, printed copy, and \$20.00, microfiche. Postage and handling are included. Overseas air mail postage is extra. Submit orders to: GeoRef, American Geological Institute, 5205 Leesburg Pike, Falls Church, Virginia 22041. Telephone: 703/379-2480.

GeoRef Completes Data Base Update

GeoRef has reloaded its data base at SDC to include references from the following: *Bibliography and index of geology*, 1969 to date; *Bibliography and index of North American geology*, 1961-70; *Bibliography and index of geology exclusive of North America*, 1967-1968; *Geophysical abstracts*, 1967-1971; and *Bibliography of theses in geology*, 1965-1966. With reloading, the file size has grown to over 500,000 citations. GeoRef was among the first files to be reloaded under Orbit IV. In preparation, the entire file was converted at AGI to a single tape format, that of the *UNISIST/ICSU AB reference manual for machine-readable bibliographic descriptions*. Improvements with reloading include word-by-word searching of titles and annotations and the capacity to search weighted index terms separately. Citations entered from October 1975 to date have been augmented with additional information available as a result of using the *Reference manual* data elements. File segments have been made separately searchable. These citations can be searched by affiliation, document type, or geographic coordinate.

NOAA Catalogs List Data Services, Rpts.

The National Oceanic and Atmospheric Administration (NOAA), an agency of the U. S. Department of Commerce, and its Environmental Data and Information Service (EDIS), "have the role of collecting, managing, and disseminating the great mass of information produced by the scientific observation of interplanetary space and the physical world. Data activities in seismology, geomagnetism, marine geology and geophysics, geothermics, solar-terrestrial physics, and other related disciplines are directed by EDIS' National Geophysical and Solar-Terrestrial Data Center (NGSDC)." The Center has available catalogs entitled *Earthquake data services and publications*, *Geomagnetism (solid earth) data services and publications*, and *Marine geology and geophysics data services and publications*. These may be obtained, free of charge, from: National Geophysical and Solar-Terrestrial Data Center, NOAA/EDIS, Boulder, Colorado 80303.

U.S.G.S. Ceases Publ. Of Jnl. Of Research

The *Journal of research of the U. S. Geological Survey* ceases publication with its volume 6, number 6, November-December 1978 issue, according to an announcement in that publication. No reason for the action was given. The Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 will refund money for any issues owed to subscribers.

Position Open

REFERENCE LIBRARIAN for minerals engineering college, serving total college community and industrial professionals. Required qualifications: MLS from an accredited ALA library school, or equivalent, plus background in technical fields such as geology, mineral engineering or chemistry. Experience in an engineering/minerals library and some knowledge of documents desirable. Starting as soon as possible for a 12 month appointment. Salary depending on qualifications. Application deadline: January 1, 1979. Send résumé and names of three references to Roy H. Turley, Vice President for Academic Affairs, Montana College of Mineral Science and Technology, Butte, Montana 59701. An Equal Opportunity/Affirmative Action employer.

Elsevier Announces New Geology Series

Elsevier Scientific Publishing Company, Amsterdam, has announced two new series of geological publications, *Developments in geochemistry* and *Developments in Precambrian geology*. *Developments in geochemistry* will cover such topics as geochemistry of the earth's crust and mantle, geochemistry of magmatic, metamorphic, weathering and sedimentation processes, isotope geochemistry, mineral chemistry, geochemistry of ore deposits, application of thermodynamics and statistics to geochemistry, geochemistry of lunar materials and cosmochemistry. Volume one of the series is *Fluids in the earth's crust: their significance in metamorphic, tectonic and chemical transport processes*, by W. S. Fyfe, N. J. Price, and A. B. Thompson, 1978, 376 p., U. S. \$49.75/Dfl. 125.00. (ISBN 0-444-41636-6). *Developments in Precambrian geology*, edited by B. F. Windley, "will focus on such topics as geochronology, petrology, geochemistry and geotectonic evolution of the Precambrian lithosphere; nature and origin of Precambrian ore deposits; Precambrian palaeontology and the origin and evolution of life; Precambrian stratigraphy and sedimentology; and nature and evolution of Precambrian atmospheres and oceans." Its first volume is *Archaean geochemistry*, proceedings of the Symposium on Archaean Geochemistry: The Origin and Evolution of Archaean Continental Crust, held in Hyderabad, India, November 15-19, 1977. Published in 1978, the 406-paged publication is available for U. S. \$49.75/Dfl. 114.00 (ISBN 0-444-41718-4).

New Members

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Geoscience Information Society 1978 Annual Business Meeting October 24, 1978 Toronto, Ont., Canada

The meeting was called to order by President Richard Walker at 2:10 p.m. He made his opening remarks, giving a brief review of the year, including the international meeting in London. He thanked the people who had helped him during his year as President. Regina Brown should be particularly noted for having volunteered to do the new membership directory and the *Directory of geoscience libraries*. Also thanked were Hart Phinney, Historian, Dederick Ward for his contribution to the London meeting, Arlene Somerville for organizing the GIS booth and creating the felt logo. The three new members present (out of a total of 24) were introduced. The minutes of the 1977 meeting were read. The word GeoRef in the first paragraph on p. 3 is to be changed to AGI. Richard Walker said his name could be recorded as Richard or Dick, as long as it was used consistently. Beatrice Lukens asked that the spelling of her name be corrected. The minutes were approved as corrected.

OLD BUSINESS

Treasurer's Report. Robert Bier gave the Treasurer's report, which showed a balance of \$5,099.11 as of October 18, 1978, with a passbook balance of \$1,252.04 as of June 28, 1978. The report was approved and filed for audit. Richard Walker explained the item "Travel Expenses." Vivian Hall said GIS should be able to pay officers' travel expenses.

Nominating Committee Report. Marie Dvorzak gave the Nominating Committee report for John Mulvihill. New officers are: Vice-President (President-Elect), Rosalind Walcott; Secretary, Caryl Shields; Treasurer, Robert Bier.

Guidebook Committee Report. Beatrice Lukens gave the Guidebook Committee report. The U.S. was divided into regions, with each committee member responsible for identifying the core libraries in one region. The committee members are in the process of receiving reports and will make a check list for members to check for the fourth edition.

Bylaws and Constitution Review Committee Report. Richard Walker gave the report in the absence of committee members. Ralph Farrar will have a copy of the new Constitution in Regina Brown's hands by October 31. A final vote on the entire Constitution is not technically necessary, as GIS members passed on each item. Nancy Pruett asked if we had a quorum. Richard Walker answered in the affirmative. Richard Walker thought a final approval by all the members would be in order. This view was supported by Hart Phinney, Historian. Richard Walker suggested that Regina Brown send out ballots with publication of the text of the new Constitution, to be returned by members. She was so instructed. Julian Green asked if no ballot would be assumed to be an approval. The answer was "no."

Directory and Membership List Committee Report. Regina Brown said she plans an alphabetical list of members giving business address, home address, business telephone, FTS number where applicable. The *Directory* will also contain a geographic index, index by type of work, list of GIS officers, past and present, Constitution and Bylaws and future meeting sites. She expects it to be ready by the end of the year. The questionnaire for the *Directory of geoscience libraries* has been designed but not yet sent out. The *Directory* will contain name of library (in a geographic arrangement), founding date, address, telephone, person in charge, staff size, scope and size of collection, network affiliation, services and publications available. It will have indexes by kind of library and by subject area and an alphabetical listing of libraries.

Thesis Committee Report. Vivian Hall gave the report of the Thesis Committee. They have been working on the list. Some states are still uncovered. One committee member has been too busy and may be replaced. GeoRef will get the information on theses to put into the data base. University Microfilms availability will not be included in the list. Edward Hall brought up the alternative of preparing OCLC tear sheets. He will work closely with the committee. Other questions will be discussed directly with Vivian.

International Conference on Geological Information Organizing Committee. Richard Walker gave the report. Members of the committee are: Tony Harvey and Judith Diment (England); Richard Walker and Cornelius Burk (GIS); Jacques Gravestijn (France); H. Glashoff (West Germany); Stu Jenness (Canada); Lyn Stevenson (Australia). There is a difference of opinion as to the organizational makeup of the committee. One group is in favor of a federation, to attract funding. The other group feels there should be as little organization as possible and the organizing committee should dissolve after each international meeting. Dederick Ward said a loosely-structured group would be easier to operate. However, if it does not have the word "confederation" in its title, it is more difficult to attract funds. Rosalind Walcott asked if any program has been suggested for the next meeting. R. Walker reported that tentative dates for the meeting are 1981 or 1982, with possible meeting sites in Washington, D.C., Denver, Orleans, Mexico City, Montreal, Paris, London and Hannover. Marge Wheeler thought the meeting should be held in a place where society members live. Julie Bichteler asked for comments from the membership. Hart Phinney asked what activities were projected. R. Walker replied they would be similar to what we do nationally: listing of meetings, data base demonstrations, etc. There is some concern that the European Common Market will go with EURONET for geoscience information and opt for a home-grown system rather than GeoRef. Future meetings should be more thematic. D. Ward mentioned that the planning committee for the London conference was hoping to attract 100 attendees; 200 came. About 50% were British. North America and France were also well-represented. Eastern Europeans did not come as IUGS did not sponsor the meeting. Application forms for the proceedings of the international meeting are now available. Harriet Wallace moved that GIS go on record as favoring a loosely-structured relationship of geoscience societies for the present. The motion was seconded by Hart Phinney. There was some discussion. The motion failed. Julian Green suggested that a distillation of opposing views should be published in the *Newsletter*. The *Newsletter* editor was so instructed.

GIS Liaison to ASIS. We don't have anyone yet. Richard Walker will go to the meeting in New York in November. He felt GIS should provide some funds to the person selected to defray travel expenses. Vivian Hall moved that GIS pay travel expenses for a representative to this year's ASIS meeting. The motion was seconded by Peg Marshburn. The motion failed.

Report of Historian. Hart Phinney gave the report. The Historian serves as a "memory" person for GIS to keep track of deadlines and ideas as officers change. It would be helpful if Board decisions and officers' instructions were sent to the Historian.

GIS Representative to AGI Board. Bob Bier represented the Society at Oklahoma City on April 13, 1978.

GIS Representative on GeoRef Advisory Board. Richard Walker has served for three years and will serve one more year. Arlene Somerville and Dederick Ward are also members.

Committee on Geoscience Instruction Syllabus. This project is being carried on by Diane Parker and Arlene Somerville. The Executive Board has agreed to support the project with \$200.00. GIS has the right of first refusal; then the syllabus becomes the property of the editors.

Announcements. Richard Walker is geoscience information correspondent to a British journal *Open earth*. A new GIS sponsor has been found. She is Marie Siegrist. Arlene Somerville thanked everyone who helped this year with the GIS booth. She suggested that the booth be continued to publicize GIS.

NEW BUSINESS

U.S. Geological Survey Open-file Reports. There was discussion about the difficulty of obtaining U.S.G.S. *Open-file reports*. Claren Kidd moved that GIS go on record to ask U.S.G.S. to facilitate distribution, availability and access to U.S.G.S. *Open-file reports* beyond the efforts already made. Marie Dvorzak seconded the motion. The motion passed. It was decided to appoint an ad hoc committee of interested persons to take action on U.S.G.S. *Open-file reports* and related matters. This information is to be put in the *Newsletter*.

Meetings in States That Have Not Approved the ERA. There was some discussion of this matter. Unni Rowell moved that Geoscience Information Society urge GSA and their other affiliated societies to hold future conferences only in states that have ratified the Equal Rights Amendment. The motion was seconded by Nancy Pruett. Motion passed.

Officers' Term of Office. Julie Bichteler moved that Article IV, Section 5 of the Bylaws be changed to read: "The term of office of the President, Vice-President (President-Elect), and Secretary shall be for one year and commence at the close of the annual meeting. The term of office of the Treasurer shall be for one year and commence on January 1 following his/her election." The motion was seconded and carried.

The meeting was adjourned at 5:10 p.m.

Elizabeth Behrendt, GIS Secretary

The revision of our Constitution has been proceeding for several years, and after much discussion during the annual meetings, the following proposed Constitution and Bylaws have been developed. The major change reflected in the proposal is the establishment of Bylaws. Since the Bylaws may be amended more easily than the Constitution, the Society could be more responsive to changes occurring in the future.

Proposed Geoscience Information Society Constitution And Bylaws

CONSTITUTION

Article I: Name

The name of this organization shall be the Geoscience Information Society.

Article II: Purpose

The purpose of this Society shall be to initiate, aid, and improve the exchange of information in the earth sciences through mutual cooperation among libraries, earth scientists, documentalists, editors, and information specialists.

Article III: Membership

Any person, library, or organization meeting the qualifications of the Society may become a member upon approval by the Executive Committee and upon payment of dues as provided for in the Bylaws.

Article IV: Meetings

Meetings shall be held as provided for in the Bylaws.

Article V: Officers

The officers of this Society shall be a President, a Vice-President, who is the President-Elect, a Secretary, and a Treasurer. These officers shall be nominated, elected, hold office, and perform duties as provided for in the Bylaws.

Article VI: Executive Committee

Section 1: The Executive Committee shall consist of the President, Vice-President, Secretary, Treasurer, and the immediate Past President.

Section 2: A vacancy in the membership of the Executive Committee shall be filled by Executive Committee appointment.

Section 3: During the period between meetings, the Executive Committee shall conduct the affairs of the Society. The Executive Committee shall report on its activities not later than the next meeting of the Society.

Article VII: Chapters

Section 1: Local or regional chapters of the Society may be established or dissolved by the Executive Committee.

Section 2: All members of local or regional chapters must be members of the Society.

Section 3: The Constitution and Bylaws or any amendment thereto of any chapter shall be in agreement with the Constitution and Bylaws of this Society and shall not become effective unless approved by the Executive Committee of the Society.

Article VIII: Bylaws

Section 1: Amendments to the Bylaws may be proposed by any member during a meeting or by the Executive Committee during the period between meetings.

Section 2: A proposed amendment to the Bylaws shall be adopted upon its approval by a majority of members voting by a mailed ballot submitted to them by the Secretary. An amendment shall become effective immediately after approval unless another effective date is stipulated following its adoption. No mailed ballot received by the Secretary more than thirty days after the date on which the Secretary mailed such ballots to the membership shall be counted.

Article IX: Amendments

Section 1: Amendments to this Constitution may be proposed by the Executive Committee, by a committee appointed by the President, or by a petition signed by ten members of the Society, and shall be presented at the next meeting.

Section 2: A proposed amendment to the Constitution shall be adopted upon its having been submitted by the Secretary to the membership of the Society by a mailed ballot and approved by a majority of the members voting their ballots, and shall become effective immediately after approval unless another effective date is stipulated following its adoption. No ballot received by the Secretary more than thirty days after the date on which the Secretary mailed such ballots to the membership shall be counted.

BYLAWS

Article I: Membership

Section 1: Regular member status may be granted to any person who is active in the area of the geosciences at the professional level. Only regular members may be elected officers. All regular members shall have voting privileges.

Section 2: Student member status may be granted to any person enrolled in geoscience programs or library and information science programs in colleges and universities. Student members shall have voting privileges.

Section 3: Institutional member status may be granted to any organization interested in furthering the purpose of this Society. Institutional members shall not have voting privileges.

Section 4: Sustaining member status may be granted to any person or organization desiring to support the purpose of the Society in a special way. Persons who are sustaining members shall have voting privileges.

Section 5: Any changes of annual dues of the Society shall be recommended by the Executive Committee and approved by the membership at the annual meeting.

Article II: Meetings

Section 1: There shall be an annual meeting of the Society at such place and time as may be determined by the Executive Committee.

Section 2: Special meetings of the Society may be called by the Executive Committee, and shall be called on request of not less than ten percent of the members of the Society. Such requests must be filed with the Executive Committee at least ninety days before the proposed meeting.

Section 3: No annual meeting or special meeting of the Society may be held without giving at least one month's notice to the membership of the Society.

Article III: Nominations and Elections

Section 1: Prior to each annual meeting, the President shall appoint a Nominating Committee consisting of the immediate Past President and two other members of the Society who are not members of the Executive Committee.

Section 2: The Nominating Committee shall nominate consenting candidates from among the membership of the Society for the positions of Vice-President, Secretary, and Treasurer. At least two candidates shall be nominated for the office of Vice-President.

Section 3: The nominations shall be presented to the President who shall have the Secretary prepare the ballots, which shall also have space for write-in candidates for each elective office, and mail them to all members of the Society at least six weeks prior to the annual meeting. No ballot received by the Secretary later than two weeks before the annual meeting shall be counted by the Secretary, who shall tabulate and report the results of the election at the annual meeting.

Section 4: For each elective office the candidate receiving the greatest number of votes for each office shall be declared elected. The incumbent President shall have the power to resolve any ties.

Article IV: Officers' Duties and Term of Office

Section 1: The President shall preside at all Society and Executive Committee meetings. The President shall appoint all committees and be an ex-officio member of all committees, without the right to vote except in the case of a tie. The President with the concurrence of the Executive Committee shall appoint the member or members to represent the Society in other scientific or professional organizations. The President shall perform all other duties incident to the office of President.

Section 2: The Vice-President shall be the Program Chairperson of the Society and shall perform such duties as the President may assign. In the event of a vacancy in the office of the President, the Vice-President shall assume the Presidency for the unexpired term.

Section 3: The Secretary shall keep an accurate record of all Society and Executive Committee meetings, give notice of all meetings as directed by the President, conduct the official correspondence of the Society as directed by the President and/or Executive Committee, and maintain a complete and current record of the members and their addresses. The Secretary shall perform all other duties as directed by the President or Executive Committee.

Section 4: The Treasurer shall have custody of all funds of the Society and make disbursements only as authorized by the Society either by specific action or by adoption of a budget by vote of the Executive Committee. The Treasurer shall pay all bills promptly, the checks to be signed by the Treasurer. The Treasurer shall keep the books of the Society in a current condition, prepare a detailed financial report to present at the annual meeting, and prepare a complete report for the period of his/her term of office, which report shall be ready for audit within fifteen days following the close of his/her term of office.

Section 5: The terms of office of President, Vice-President (President-Elect), and Secretary shall be one year and commence at the adjournment of the annual meeting. The term of office of Treasurer shall be one year and commence on January 1 following his/her election. All officers shall serve until their successors are elected and assume their duties.

Section 6: In the event of a vacancy in the office of Vice-President, the Executive Committee shall appoint a regular member to fill that office until the next regular election at which time both a President and Vice-President shall be elected.

Section 7: In the event of a vacancy in any other office, the Executive Committee shall appoint a regular member to fill that office for the unexpired term.

Literature Citations

(GIS members in caps)

Blanchet, P.H. Tate. GEOLOG: aid to resource development. *Western miner*, vol. 51, no. 1, January 1978, p. 37-38.

"The system is designed to interface with a cost-effective data management and retrieval facility to handle a continually expanding and changing operational database. Its design anticipates integration with all phases of exploration, development and exploitation; possible pilot operations and bulk sampling; optimum open pit and underground mine design; scheduling production and milling facilities and equipment, their repairs and maintenance and other related activities."

GINSBURG, DAVID D. State of the art survey of reference sources in geology. *Reference services review*, vol. 5, no. 3, July/September 1977, p. 11-15.

Ozoray, György. Quantity and availability of the developing world's scientific literature using hydrogeology as an example. *Water international, magazine of the International Water Resources Association*, vol. 3, no. 2, June 1978, p. 9-14.

Rader, Hannelore B. Library orientation and instruction - 1976, an annotated review of the literature. *Reference services review*, vol. 5, no. 1, January/March 1977, p. 41-44.

Van Driel, J. Nicholas. Practical use of geologic information by planners. *Geology*, vol. 6, October 1978, p. 592-596.

WALKER, RICHARD D. GeoArchive: a brief review. *Online*, vol. 2, no. 4, October 1978, p. 40-43.

----- GeoArchive online. *Database*, vol. 1, no. 2, December 1978, p. 35-45.

New Publications

(GIS members in caps)

Annual review of earth and planetary sciences. Vol. 6, 1978. Ed. by Fred A. Donath, Frances G. Stehli and George W. Wetherill. Palo, Calif., Annual Reviews, Inc., 1978. 543 p. \$17.00. (LC 72-82137; ISBN 8243-2006-9)

Directory of geoscience departments in developing universities. Ed. by Victor Ricardi. 1978. approx. 50 p. pap. \$8.00 (U.S.) includes postage by surface mail. For air mail orders, add \$1.50. Available from: Association of Geoscientists for International Development Secretariat, c/o Ing. Alirio Bellizzia, Ministerio de Energía y Minas, Torre Norte-Piso 19, Centro Simon Bolivar, Caracas, Venezuela.

Ramage, Edwin S., ed. *Atlantis: fact or fiction?*
Bloomington, Indiana University Press, 1978. 224 p.
\$9.95. (LC 77-23624; ISBN 0-253-10482-3)

This History Book Club selection for October contains an introduction and background by the editor and essays by John V. Luce (literary perspective), S. Casey Fredericks (mythological perspective), J. Rufus Fears (historical perspective), DOROTHY B. VITALIANO (geological perspective, I) and Herbert E. Wright, Jr. (geological perspective, II).

Sourcebook on the environment, a guide to the literature. Edited by Kenneth A. Hammond, George Macinko, and Wilma B. Fairchild. University of Chicago Press, 1978. 614 p. \$20.00 until December 31, 1978; \$22.00 thereafter.

"This . . . comprehensive guide to environmental studies features annotated commentaries by specialists on a variety of crucial issues, ranging from resource scarcity to the environmental impact of urbanization."

Weiss, Nancy E., Sobek, Andrew A., and Streib, Donald L. *A selective bibliography of surface coal mining and reclamation literature. Vol. 1: Eastern Coal Province.* Argonne, Ill., Argonne National Laboratory, November 1977. 158 p. (ANL/LRP-1) Printed copy: \$8.00; microfiche: \$3.00. Available from: National Technical Information Service, 5285 Port Royal Road, Springfield, Va. 22161.

"Prepared for the U.S. Department of Energy as part of the Argonne Land Reclamation Program, a joint effort of the Energy and Environmental Systems Division and Environmental Impact Studies Division."

Wilmot, C. E. *International tape standards for documentation and information processing: existence, aims and implementation.* London, Aslib, 1977. 26 p. U.K. £5.00 (£4.00 to Aslib members) (*Aslib occasional publication 21*).

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. Bureau of Mines, Minerals Availability Field Office, Building 53 Warehouse, Denver Federal Center, Denver Colorado 80225 (303/234-6194; 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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