American Mineralogist, Volume 58, pages 570–572, 1973

NOTICES

National Auxiliary Publications Service (NAPS) Now Operated by Microfiche Publications

The American Society for Information Science (ASIS) has announced that the National Auxiliary Publications Service (NAPS) will now be operated for ASIS by Microfiche Publications, a division of Microfiche Systems Corporation, of New York. MSC replaces CCM Information Corporation in this role.

Founded in 1937, NAPS provides a repository for, and furnishes on-demand copies of, materials which are adjuncts to papers published in scholarly or technical journals, but which would require too many journal pages to publish in extenso.

The editor or publisher supplies NAPS with a copy of the auxiliary material, which is then converted to microfiche. Copies of the microfiche or hard copy paper prints may be ordered by the public from NAPS at modest cost. Each published article for which auxiliary tables, photos, graphs, charts, computer printouts, bibliographies, *etc,* have been deposited in NAPS carries a footnote indicating the NAPS number and the availability of that material through the service. Most important, authors and/or editors have certain knowledge that such material will be available to scholars and others having a need for it in the future.

Requests for copies need only reference the NAPS number, and the form of output (hard copy or fiche) required, and should be accompanied by payment for the copies requested.

A modest deposit fee covers the cost of assigning a NAPS identification number, preparation of the microfiche master, and complimentary microfiche copies of the material sent to the contributing editor. Deposits may be made by editors or directors of participating journals or associations. At the present time, approximately 200 domestic and 30 foreign journals contribute to this repository. They represent a wide array of scholarly publications in the life sciences, physical sciences, and behavioral sciences.

Although NAPS is designed to be a repository primarily for supplementary materials to published journal articles, other types of deposits are possible. For example, full-length works could be deposited with NAPS, provided that the depositor publishes an abstract of each deposited work or in some other way publishes the availability of the deposited materials.

Requests for copies and details on making deposits should be directed to:

ASIS/NAPS
c/o Microfiche Publications
305 East 46th Street
New York, N. Y. 10017

Microfiche Publication (MP) of New York is an organization dedicated to practical use and availability of information by way of the modern format of microfiche. The company's philosophy is that by way of this format, the world's printed word can be comprehensively and effectively disseminated to a greater number of end users. Currently, MP is engaged in publishing ENVIROFICHE—the most extensive data bank of environmental information on microfiche—and the recently annnouced *Public Papers of the Presidents of the U.S.*

Microfiche Systems Corporation, the parent company, is engaged in providing complete microfiche systems and services to commercial firms, educational organizations, and other institutions using and/or converting to the microfiche format.

The American Society for Information Science was founded in 1937 as the American Documentation Institute. At the present time, it has approximately 3,500 members with 19 regular and 11 student chapters in major metropolitan and academic centers, and 15 Special Interest Groups concentrating on various specialized areas of information science and technology.

Headquarters of ASIS are located at 1140 Connecticut Avenue, NW, Washington, D.C., Telephone 202-659-3644.

For further information contact Ms. Jessie Furman, Microfiche Publications, 305 East 46th Street, New York, N.Y. 10017; telephone (212) 593-2450.

Notice of 1973 Clay Minerals Meeting

The Tenth meeting of the Clay Minerals Society and the 22nd Clay Minerals Conference will be held at the Banff Springs Hotel, Banff, Alberta, Canada, October 7–11, 1973. Meeting Chairman is Dr. J. E. Gillott, Department of Civil Engineering, The University of Calgary, Calgary 44, Alberta, Canada.

Program arrangements for the meeting are:

October 8	Symposium on Microstructure of Clays
October 9	Field trip to points of geological interest in the Canadian Rockies
October 10	General Sessions
October 11	A.M.—General Sessions P.M.—Laboratory Tours

Papers for the symposium and general sessions are invited. Deadlines for titles and abstracts are May 1, 1973, and June 1, 1973, respectively. They should be sent to Dr. E. Penner, Division of Building Research, National Research Council of Canada, Ottawa, Canada K1A OK 6.

New Scientific Journal

A new scientific journal, to be published six times a year beginning January 1973, is being introduced by the U.S. Geological Survey, Department of the Interior, to help make results of Survey research more readily available to the scientific community.

The new publication, "Journal of Research of the U.S. Geological Survey," will contain papers written by USGS scientists, engineers, and technicians on various subjects in geology, hydrology, topography, and related earth sciences.

The Journal will be published each January, March, May, July, September, and November, and will supersede the "short-papers" chapters of the former Geological Survey Research (Annual Review) series of professional papers. Each issue will have up to 120 pages, and will contain 15 to 20 papers. An annual subject index will be provided to help readers find papers about specific areas or subjects.

Among the studies reported in papers of the first issue of the Journal:

* Geologic implications of some of the Moon rocks returned to Earth by astronauts. Specimens from the Fra Mauro Formation in the Imbrium Basin region of the Moon are described, and compared with rocks ejected from the Ries Crater in southern Germany.
* Documentation of a 350-mile shift of the rocks along the San Andreas fault, California.
* A method of using microprobe analyses of selected minerals as clues to a better understanding of the oil-shale-rich Green River Formation in Colorado and Utah.
* The effect of wastes from septic tanks on the quality of ground water and surface water in eastern Massachusetts.
* The effects of salinity and depositional energy on limestone and dolomite (rock formations providing source material for numerous construction, industrial, and agricultural purposes) deposited over 350 million years ago in the eastern United States.

The Journal may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. Annual subscription, if made before July 1, 1973, is $8.50 (for six issues, domestic; plus $2.25 for foreign mailing). Single copies are $1.50 each. After July 1, a price increase is scheduled. Checks or money orders should be made payable to the Superintendent of Documents.

25th International Geological Congress Australia—1976 Preliminary Announcement

The 25th International Geological Congress will be held in Sydney from 16 to 25 August 1976, under the sponsorship of the Australian Academy of Science and the Geological Society of Australia.

Pre- and post-Congress excursions are being arranged throughout Australia, and the Geologists of New Zealand and of Papua, New Guinea, have also agreed to organize excursions in association with the Congress.

The Organizing Committee is anxious to establish a distribution list for the First Circular, which will be available in October 1973. It will be distributed automatically to those whose names and addresses appear in the List of Registrants for the 24th Congress 1972, and to major geological institutions. Others who wish to receive it are asked to write, if possible by June 30th, 1973, to:

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

Conference on Applications of X-Ray Analysis August 22–24, 1973 Denver, Colorado

The 22nd Annual Denver Conference on Applications of X-Ray Analysis will be held August 22, 23, and 24, 1973, at the Brown Palace Hotel in Denver, Colorado. The invited cochairman for the conference will be C. L. Grant, Professor of Chemistry, University of New Hampshire. The emphasis this year will be on *Standards and Sampling* in X-ray analyses of various types.

The Conference is sponsored by the Metallurgy and Materials Science Division, Denver Research Institute, University of Denver, Denver, Colorado 80210. Chairmen are C. L. Grant, C. S. Barrett, J. B. Newkirk, and C. O. Rudd.

3rd Congress of the International Society for Rock Mechanics

The 3*rd* International Congress of the International Society for Rock Mechanics will be held in Denver, Colorado, September 1–7, 1974. The objective of this congress is to ascertain, on an international scale, the advances that have been made in rock mechanics since the 2*nd* International Congress of the ISRM and to indicate directions for future effort. Each of the 5 Congress themes will be reviewed by a General Reporter and discussed by a panel of experts. Selected individual papers will be presented by their authors and discussed in other sessions. All registrants will receive three volumes of the Congress papers in advance and a fourth volume containing the discussions following the Congress.

Official Themes for the Congress

Theme 1. Mechanical Properties of Intact Rock and Rock Masses. Theme 1 will deal with the characterization and rational description of the mechanical properties of intact specimens and rock masses for both static and dynamic loading. Examples of topics to be included: the fundamental nature of rock properties; characteristics of rock surfaces; laboratory and field description of rock fissuring; use of techniques such as seismic velocity, resistivity, *etc*, to characterize intact specimens, rock masses, and discontinuities.

Although specific application of rock properties will be discussed in papers submitted for inclusion in other themes, papers in Theme 1 will be distinguished by the *general* applicability of the paper.

Theme 2. Tectonophysics. Theme 2 will be concerned with physical, mechanical, thermal, and related tectonic processes in the earth, and their effect on the behavior of rock. Examples of topics to be included: creep and plastic deformation of rock; the mechanics of faulting and earthquake studies, including discussion of earthquake source parameters, and effects of pore fluids; numerical and analog modelling of rock folding and faulting; tectonic stresses and strains and measurement techniques; heat flow studies and analysis of geothermal effects.

Theme 3. Surface Workings. Theme 3 will be concerned primarily with the application of rock mechanics in the analysis and design of foundations, slopes, and other surface structures in rock. Examples of topics to be included: analytical and experimental methods for the determination of engineering properties of rock masses, stability of foundations and slopes, engineering problems of fluid pressure in rocks, artificial strengthening or improvement of rock properties.

Theme 4. Underground Openings. Theme 4 will discuss the analysis and design of permanent and temporary underground openings in rock. Examples of topics to be included: deformability, strength and stability of underground openings, ground control in mining systems, wellbore stability (petroleum engineering), effects of underground extraction (both of rock and fluids) on rock mass and the surface, underground storage caverns, support of tunnels and underground openings.

Theme 5. Fragmentation Systems. Theme 5 will be concerned with theoretical and applied studies of rock fragmentation and comminution.

Examples of topics to be included: fragmentation by mechanical, explosive, thermal, or hydraulic loading; design of blasting patterns; rock fragmentation in tunneling machines and in drilling; comminution; systems approach to fragmentation.

Submission of Papers

Authors from the U.S., who wish to submit papers to be included in the proceedings of the 3rd Congress, should send triplicate copies no later than September 1, 1973, to the U.S. Organizing Committee at the following address:

Albert N. Bove, Secretary
Organizing Committee for the 3*rd* ISRM Congress
U.S. National Committee for Rock Mechanics
National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Accepted papers will be returned to authors along with more complete instructions and preprinted format sheets for final typing for photo-offset printing. All approved papers must reach the Organizing Committee in final form by December 1, 1973.

ERRATA

The American Mineralogist, Volume **58,** Numbers 3-4, page 280.

THOMPSON, ALAN BRUCE. "Analcime, free energy from hydrothermal data. Implications for phase equilibria and thermodynamic quantities for phases in $NaAlO_2$–SiO_2–H_2)."

Reaction ⟨2⟩ at the bottom of the first column should read:

$$\underset{\text{analcime}}{NaAlSi_2O_6 \cdot H_2O} + \underset{\text{quartz}}{SiO_2} = \underset{\text{low albite}}{NaAlSi_3O_8} + H_2O \quad \langle 2 \rangle$$