



GSA news & information

SUPPLEMENT TO *GEOLOGY* MAGAZINE

Separates program explained

The number of inquiries that have come to headquarters from members seems to indicate a continuing misunderstanding about the machinery and rules for operating the *Bulletin* separates program. The program was started as an option in January 1975, and it is being continued by two of the options offered for 1976.

Separates are made by a press overrun of each number of the *Bulletin*, printed by Lane Press in Burlington, Vermont, shipped as boxed signatures to Boulder, collated and stapled by hand, and filed in bins by month and code number. The member selects the separate he or she wishes to order on the basis of the brief published in the News & Information section in *Geology* and orders by code number which is on the order blank. When the order reaches headquarters, the order form, including the mailing label, is xeroxed for the record. The order is filled and shipped to the member using the original label (except in those cases where it has been too mutilated to be useable for the third time). Whenever slack time appears with key-punching, data from the xeroxed labels are punched into computer cards for future analysis. This data will in time make possible the evaluation of reader interest in the wide variety of articles published in the *Bulletin* and the monitoring of numbers of separates distributed.

Obviously, to make the system work, a few arbitrary

rules must be followed. The first is that the number of separates selected by a member from the 12 issues of the 1975 *Bulletin* cannot exceed 36. This does not mean that they must all be ordered during calendar year 1975, because such would impose a severe time limit on the last few numbers of the *Bulletin* issued during the year.

The second rule is that the member's mailing label must be on the separates order. If the mailing label is so badly mutilated by the postal service as to be unuseable, send the pieces and write a letter validating it. It is hoped that this will rarely happen.

The third rule is that the order from the member must reach headquarters within 12 months of the date of issue of the number of the *Bulletin* in which the article appeared. That is, articles in the January 1975 *Bulletin* can be honored only through January 1976, and orders from the December 1975 *Bulletin* can be honored only through December 1976. Thirteen sets of monthly bins have been devised, and in February 1976 and thereafter, one set of bins will be emptied of any remaining separates and refilled with the most recent copies.

After the program has been in operation for a year and a half, we will prepare a summary of the first 12 months of operation for publication in the News & Information section.

OFFICERS AND COUNCILORS FOR 1976

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Publication of Darwin's letters planned; contributions sought

A comprehensive edition of the letters of Charles Darwin is being planned with the sponsorship of the American Council of Learned Societies and with support from the National Endowment for the Humanities and the National Science Foundation.

The edition will be arranged in chronological order with full texts and annotations and will include letters to Darwin as well as those from him.

Frederick Burkhardt, President Emeritus of the American Council of Learned Societies, and Sydney Smith, Fellow and Tutor of St. Catharine's College and University Lecturer in Zoology, University of Cambridge, are Co-Editors of the Collected Letters.

Although extensive collections of Darwin's correspondence are available at the American Philosophical Society, in the Cambridge University Library, and in other research libraries and archives, the edition can be made definitive only through the generous cooperation of the possessors of smaller lots of Darwin's widely scattered correspondence. It is hoped that librarians, collectors, scholars, antiquarian booksellers, and others with knowledge of Darwiniana will feel disposed to contribute their help to this project, which will make available for the first time materials that will be basic to future scholarship on Darwin and the history of 19th century science.

Please direct all correspondence to Frederick Burkhardt, R.F.D. 1, Bennington, Vermont 05201, USA, or to Sydney Smith, St. Catharine's College, Cambridge CB2 1RL, England.

International Atomic Energy Agency to convene conference on energy programs

The International Atomic Energy Agency (IAEA) will convene an International Conference on Nuclear Power and Its Fuel Cycle in Salzburg, Austria, May 2-13, 1977. The conference will cover such topics as world energy supply and demand, nuclear fuel supply and fuel cycle services, radioactivity management, technical aspects of nuclear safety, public acceptance of nuclear power, safeguarding of nuclear material, and international cooperation in nuclear power use.

The conference will be directed toward those responsible for the development and implementation of energy programs, such as planners, decision-makers, and managers, rather than those representing primarily research and development activities.

The conference is the first of its kind organized by the IAEA and it will mark the twentieth anniversary of the IAEA in 1977. All Member States of the IAEA and all interested international organizations will be invited to participate. Inquiries regarding U.S. participation may be directed to John H. Kane, Special Assistant for Conferences, Office of Public Affairs, Energy Research and Development Administration, Washington, D.C. 20545.

NAGT summer scholarship application deadline set for January 1, 1976

With the generous help of industrial sponsors, NAGT will again operate a Summer Geology Field Course Scholarship program in 1976. The program will provide about 60 scholarships of \$200 to superior students who take a summer geology field course that is at least four weeks in duration and that engages the student in field work rather than classroom work. The chief criteria for the award is academic excellence.

There will be two application deadlines and announcement dates for the 1976 program. The first deadlines are January 1, 1976 (application deadline), and January 15, 1976 (announcement date). This is the Early Decision category. It is for those students whose decision to attend a summer field camp or not hinges on the availability of financial aid. The second set of dates are April 1, 1976, and April 15, 1976. This is the Regular Decision category. It is for applicants who are committed to and have been accepted in a summer program. Application blanks are available from college geology departments and by writing directly to Thomas E. Hendrix, Department of Geology, Indiana University, Bloomington, Indiana 47401.

Because of the large number of anticipated applications, a limit of five applicants per school or 20 percent of the undergraduate majors enrollment (whichever is larger) is placed on the 1976 program.

ZEOLITE '76 conference announced

ZEOLITE '76, an International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites, will be held in Tucson, Arizona, June 6-13, 1976. The conference is sponsored by the State University College, Brockport, New York, and has received the official endorsement of the Mineralogical Society of America, the Clay Minerals Society, and the Society of Economic Geologists.

This is the first international conference devoted exclusively to natural zeolites—their geological occurrence, their diverse physical and chemical properties, and their newly developed applications in agricultural and industrial technology. Formal sessions will include both invited and contributed papers. Invited papers by international experts will present overviews on all aspects of natural-zeolite technology.

For further information, write to F. A. Mumpton, Chairman, ZEOLITE '76, Department of the Earth Sciences, State University College, Brockport, New York 14420.

Symposium on Antarctic Geology and Geophysics announced

An international Symposium on Antarctic Geology and Geophysics will be held August 22-27, 1977, at the University of Wisconsin—Madison under the sponsorship of the Scientific Committee on Antarctic Research (SCAR), the International Union of Geological Sciences (IUGS), and the Inter-Union Commission on Geodynamics. A five-day field trip on the Precambrian and Quaternary geology of the Lake Superior region is planned before the meeting, and a shorter trip on the Precambrian and Paleozoic geology of the Baraboo Range afterward. Early preliminary registration is encouraged. The first circular is available from C. Craddock, Department of Geology and Geophysics, University of Wisconsin, Madison, Wisconsin 53706.

Smithsonian announces fellowship program; applications due January 15

The Smithsonian Institution has announced its program of higher education and research training in the Earth sciences for 1976-1977. Smithsonian Fellowships are awarded to support independent research using Smithsonian Institution collections, facilities, and laboratories and pertaining to research interests of the Smithsonian research staff. Proposals for research may be offered in fields in which the Institution has research strength, including sedimentology and paleobiology, mineralogy, petrology, meteoritics, and volcanology.

Smithsonian Fellowships, supported by a stipend of \$10,000 per annum and research allowances, may be granted to postdoctoral scientists to pursue further training in research. Smithsonian Predoctoral Fellowships, supported by a stipend of \$5,000 per annum and research allowances, may be granted to doctoral candidates to conduct research for their dissertations with the approval of their university departments. Applications are due January 15, 1976.

In selecting individuals for participation in academic programs, the Smithsonian Institution does not discriminate on grounds of race, creed, color, sex, age, or national origin of any applicant. For more information and application forms, write to the Office of Academic Studies, Smithsonian Institution, Washington, D.C. 20560. Please indicate the particular area in which you propose to conduct research and give the dates of degrees received or expected.

Committee for Rock Mechanics studies design methods

The U.S. National Committee for Rock Mechanics met in Minneapolis on September 21 in conjunction with the 16th Rock Mechanics Symposium. The theme of this year's symposium, which attracted nearly 300 registrants, was "Design Methods in Rock Mechanics." Review and discussion sessions centered on design of slopes and foundations, tunnels, mines, and rock blasting.

The National Committee is now concentrating its efforts on practical problems in which rock mechanics plays a critical, even limiting role. Five panels have been created to investigate problems in the areas of energy recovery and development, underground construction, seismology and earthquake engineering, fundamental problems and educational requirements, and domestic and international rock mechanics activities.

GSA members who are active in Rock mechanics or would like to be informed about progress in the field and the activities of the National Committee should consider joining the International Society of Rock Mechanics for a nominal yearly fee (\$4). Your dues entitle you to receive the International Society's quarterly *News* as well as the National Committee's *Rock Mechanics Events*. You can communicate directly with the committee's Executive Secretary, Albert Bove, National Academy of Sciences, 2101 Constitution Avenue, Washington, D.C. 20418, or your GSA representative on the committee, Bruce R. Clark, Department of Geology and Mineralogy, University of Michigan, Ann Arbor, Michigan 48104.

—Bruce R. Clark
GSA representative
National Committee for Rock Mechanics

USGS solicits research proposals for Earthquake Hazards Reduction Program

The U.S. Geological Survey requests proposals for research grants/contracts under the third year of the Earthquake Hazards Reduction Program. The general areas of interest are (A) evaluation and mapping of geologic hazards associated with earthquakes, (B) earthquake prediction research and implementation, (C) physics of crustal deformation and failure, and (D) ground motion prediction and related studies.

Written inquiries concerning this program and requests for Proposal Information Package No. RFP 217 W should be addressed to Contracting Officer, U.S. Geological Survey, Building 1, Room 201, 345 Middlefield Road, Menlo Park, California 94025.

Due date for receipt of proposals is March 1, 1976. It is anticipated that funding of selected programs will start October 1, 1976.

Memorial preprints available on request

Separate preprints of GSA memorials to the persons listed below are available on request by writing to GSA headquarters, 3300 Penrose Place, Boulder, Colorado 80301. Authors of the memorials are listed in parentheses.

John Willis AMBROSE (Raymond A. Price), Orville L. BANDY (William H. Easton), Hugh Hamilton BEACH (Conrad O. Hage), Byron Nelson COOPER (W. D. Lowry), Armand John EARDLEY (William Lee Stokes), George E. EKBLAW (H. B. Willman and W. Calhoun Smith), Harold C. ELLIOTT (Willard E. Cox), Charles Edgar ERDMANN (William T. Pecora), Maurice EWING (J. Lamar Worzel), Aurelius Sydney FURCRON (Jesse H. Auvil, Jr.), Mary Welleck GARRETSON (Charles H. Behre, Jr.), Louis Caryl GRATON (Donald H. McLaughlin), John Charles HAZZARD (William H. Easton and William R. Moran), Donnel Foster HEWETT (Richard H. Jahns), Claude William HIBBARD (John Andrew Wilson), George William HOLMES (Eugene C. Robertson and John H. Moss), Charles George JOHNSON (Frank C. Whitmore, Jr.), William Drumm JOHNSTON, Jr. (John Van N. Dorr II, Islwyn Winwaeloc JONES (W. B. Skidmore), William J. McMANNIS (John Montagne), Wolfgang Werner E. MAHRHOLZ (Konrad B. Krauskopf), Frank B. NOTESTEIN (C. William Saville), Edward H. RAINWATER (R. J. Le Blanc), Roger F. RHOADES (Charles S. Content), Erich Maren SCHLAIKJER (Warren L. Taylor), Lloyd M. SCOFIELD (Ralph W. Marsden), Harold T. U. SMITH (Robert L. Nichols), Erwin C. STUMM (Kenneth K. Landes), George David SWINGLE (William D. Hardeman), C. E. TILLEY (Felix Chayes), Edward Leffingwell TROXELL (Charles D. Campbell), Dart WANTLAND (Malcolm Logan), David M. S. WATSON (Everett C. Olson), Bradford WILLARD (J. Donald Ryan), Merton Y. WILLIAMS (V. J. Okulitch and H. V. Warren), Roy Arthur WILSON (Hollis D. Hedberg), Paul WOLDSTEDT (Roland Brinkmann), and James C. WRIGHT (Walter S. White).

Stock has been depleted on memorials to Eliot Blackwelder, Harry Hammond Hess, Hisashi Kuno, Frederic Henry Lahee, Hugh Dinsmore Miser, Walter Harry Newhouse, William T. Pecora, Herbert Harold Read, Harold Rollin Wanless, and Chester Keeler Wentworth.

Memorials are also available through our bound volumes. Volumes I (1969 decedents) and II (1970 decedents) are \$4 each; Volume III (1971 decedents) is \$6; Volume IV (1972 decedents) is \$7.50.

Members will continue to be informed as new preprints become available.

Council advances 29 Members to Fellowship

The following 29 Members have been advanced to Fellowship in the Society by Council action:

J. M. Ade-Hall	Ralph O. Kehle
Thomas F. Anderson	Jack Edward Kelly
Hans G. Avé Lallemant	Carl Kisslinger
M. D. Beltrandi	Abraham Lerman
David D. Blackwell	Fred T. Mackenzie
John R. Corolly	Arnulf Muan
Theodore D. Cook	Raymond Pestrone
Erich Dimroth	Lon C. Ruedisili
Jack Donahje	Alan S. Ryall
James A. Drahovzal	Robert G. Schmidt
Ralph H. Espach, Jr.	Jack G. Souther
T. D. Hamilton	William E. Sweet, Jr.
Bilal Ul Haq	Arthur G. Sylvester
Wen H. Huang	S. H. Ward
Mike Sam Johnson	

Necrology

Agatin T. Abbott, Honolulu, Hawaii; Theodore G. Becker, San Antonio, Texas; John M. Birdsall, Toms River, New Jersey; Bernard W. Blanpied, Shreveport, Louisiana; Meredith E. Johnson, Ormond Beach, Florida; Marshall Kay, New York, New York; Thomas E. Mullens, Arvada, Colorado; Kenneth A. Shewell, Coffeyville, Kansas; Oscar Wilhelm, Dallas, Texas; and Horace E. Wood II, Cape May Court House, New Jersey.

1975-1976 "List of ASTM Publications" now available

The 1975-1976 *List of ASTM Publications*, recently issued by the American Society for Testing and Materials (ASTM), is now available for free distribution. The current issue of this book, which is revised annually, contains 30 pages and lists more than 600 ASTM publications dealing with the standardization of methods of test and specifications for materials, the knowledge of materials, and materials evaluation.

A single copy of the publication, requested on company letterhead, will be sent free of charge. Write to ASTM, A. L. Batik, 1916 Race Street, Philadelphia, Pennsylvania 19103.