



NEWSLETTER NO. 14

MINERALOGICAL SOCIETY OF AMERICA

2000 FLORIDA AVENUE, N.W. WASHINGTON, D. C. 20009 202-462-6913

March 1981

TO ALL MEMBERS OF THE MINERALOGICAL SOCIETY OF AMERICA

This newsletter will communicate some of the business that transpired at the 1980 fall MSA Council meetings at Atlanta, Georgia, of two upcoming short courses, one on the KINETICS OF GEOLOGICAL PROCESSES and the other on AMPHIBOLES, of a symposium on the microstructure of minerals, of the upcoming Kraus-Glass Award and of a general donation to the Society in honor of the memory of Charles L. Christ and Joseph J. Fahey. It was also written to invite you to help the Society in various ways. In any one year, less than a hundred members may be involved in running the affairs of the Society. If you would like to serve on one of the committees of the Society, I urge you to volunteer your services. You may not be selected this year, nor perhaps even next. But please be patient; you can be assured that the Chairman of the Committee on Committees will endeavor to tap you for committee service at some future date.

MEMBERSHIP STATUS

The membership in our Society is at an all time high, with 1567 members, 463 student members, 572 Fellows and 9 Honorary Fellows for a grand total of 2611. This represents an increase since December, 1979, of 18 members, 66 student members and 3 fellows for a total of 87 new members. The more than 15% increase in the student membership is good news inasmuch as we need the input of these up and coming bright young scientists to be assured that MSA continues to grow and develop for the betterment of our science and mankind. For your convenience, I have included a blank membership form with which you may propose a student or colleague for MSA membership. The membership dues, a mere \$20 (and bargain dues of \$6.00 for students), include receipt of our Society's journal, The American Mineralogist, plus other valuable privileges, which include reduced subscription rates to Mineralogical Abstracts, Journal of Petrology and Physics and Chemistry of Minerals for a total savings of more than \$100.00. Membership also includes the privilege of enrolling in MSA-sponsored short courses at substantial savings and receiving advance notices of upcoming short courses and annual meetings.

SHORT COURSES AND REVIEWS IN MINERALOGY

The short course organized by Charles T. Prewitt on Pyroxenes for the Fall Meeting at Atlanta was an unqualified success. The proceedings of the course have been published as "Reviews in Mineralogy," Vol. 7, Pyroxenes. The volume covers a broad spectrum of pyroxene topics ranging from crystal chemistry, spectroscopy, subsolidus phenomena, phase equilibria, thermodynamics and compositional variations. A second volume entitled "Reviews in Mineralogy," Vol. 5, Orthosilicates is now also available. This volume, edited by Paul H. Ribbe, emphasizes the crystal chemistry and

related physical properties of the major rock-forming orthosilicates and covers silicate garnets, zircon and actinide orthosilicates, chloritoid, staurolite, the aluminosilicates, the humites and the olivines and silicate spinels. The volume also includes a chapter by Friedrich Liebau on the classification of silicates. Copies of these volumes, as well as others on Sulfide Mineralogy, Feldspar Mineralogy, Oxide Minerals, Zeolites and Marine Minerals, may be obtained with the order form included herein for your convenience.

A short course on Kinetics of Geological Processes will be presented prior to the AGU Spring Annual Meeting in Baltimore, Maryland. It will be held at Airlie House, Virginia, May 22-24, 1981. Topics to be covered include new developments in rate theory, diffusion in the silicates, the kinetics of geochemical cycles, and the kinetics of sedimentary, metamorphic and igneous processes. Conveners are Anthony Lasage of the Pennsylvania State University and R. James Kirkpatrick of the University of Illinois at Urbana. The deadline for receipt of registration is MARCH 31.

In addition, a short course on "Amphiboles and Other Hydrous Pyriboles" is being organized by David R. Veblen (Dept. of Geology, Arizona State University, Tempe, Arizona 85281) for presentation just prior to the GSA Meeting in Cincinnati, Ohio. The tentative participants and topics to be covered are: (1) James B. Thompson, Jr., Biopyriboles as a Polysomatic Series; (2) Frank C. Hawthorne, Crystal Chemistry of the Amphiboles; (3) Subrata Ghose, Subsolidus Reactions and Microstructures in Amphiboles; (4) Peter Robinson, Amphiboles in Metamorphic Rocks; (5) M. Charles Gilbert, Amphiboles in Igneous Rocks; (6) David R. Veblen, Wide-Chain Pyriboles and Polysomatic Reactions; (7) Tibor Zoltai, Mineralogy of Amphibole Asbestos; and (8) Malcolm Ross, Geological Occurrence of Amphibole Asbestos. If you wish to attend either of these short courses, please contact the Mineralogical Society of America, 2000 Florida Avenue, N.W., Washington, D.C. 20009 (Telephone 202/462-6913) for application forms.

SERIES EDITOR OF "REVIEWS IN MINERALOGY"

I am pleased to announce that Paul H. Ribbe was selected by Council as the first Series Editor of "Reviews in Mineralogy" which will be published once or twice a year and included as a supplement to library subscriptions of The American Mineralogist. Conveners of MSA Short Courses will continue to be the scientific editors of the volumes of "Reviews in Mineralogy" that result from the concerted efforts of the Short Course lecturers. But Paul, as Editor, will have ultimate responsibility for manuscript editing and style, for preparation of the camera-ready copy, for printing and distribution of "Reviews," and for publicity and sales promotion.

ABSTRACTS AND A SYMPOSIUM FOR THE 1981 ANNUAL MEETING

The 1981 Annual Meeting of MSA will be held in conjunction with GSA on November 2-5, 1981, at the Stouffer Inn and the Cincinnati Convention-Exposition Center in Cincinnati, Ohio. Abstracts for invited papers should be submitted (original, plus four copies) to GSA's Abstract Coordinator (Geological Society of America, Inc., P.O. Box 9140, Boulder, CO 90301, Telephone 303/477-8850) for oral and/or poster presentations. Abstracts must be author-prepared on the special form supplied by GSA upon request, and they must arrive at GSA in Boulder before the close of business on FRIDAY, JUNE 5, 1981.

This applies to volunteered abstracts mailed directly to GSA, as well as to invited symposia papers being forwarded to GSA by the symposia organizers. There is no limit to the number of abstracts on which an author's name may appear; however, no author may be the speaker on more than one volunteered paper.

This year MSA is sponsoring a symposium on "Microstructure of Minerals as Determined by X-Ray and Electron Diffraction." The conveners of this symposium are Charles T. Prewitt of the Department of Earth and Space Sciences, SUNY at Stony Brook, NY 11794, and J.D.C. McConnell of Cambridge University. Invited abstracts for this symposium should be submitted (original, plus four copies) to Charlie. Please do not send them to GSA as this will only delay the preparation of the symposium.

1980 JOINT TECHNICAL PROGRAM COMMITTEE

We owe a debt of thanks to the MSA delegates (Gordon E. Brown, Jr., Dean C. Presnall and J. Stephen Huebner) and reviewers (Robert M. Hazen, Roger G. Burns, David R. Veblen, Joseph V. Chernosky, Jr., Charles V. Butler, George R. Tilton, Robert C. Newton, Lawrence A. Taylor, Edward M. Stolper, Alexander R. MacBirney, Richard W. Birnie, Harold Masursky and Robert F. Fudali) for evaluating more than 230 volunteered and invited abstracts submitted for the 1980 annual GSA meeting. The delegates placed 178 abstracts into technical sessions and symposia with the rejection rate of about 25%. MSA continues to handle about 20% of the annual meeting abstracts, a proportion that has been almost constant during the last five years. The staff at GSA values the role that MSA performs in organizing the technical meeting, a function that cannot be absorbed by the excellent GSA headquarters staff. I am pleased to say that relations with GSA are most cordial.

MINERALOGY-PETROLOGY AWARD

Based on recommendations of the Committee on the Mineralogy-Petrology Award headed by Peter Robinson, I am pleased to announce that Council selected William D. Carlson (Department of Geological Sciences, University of Texas at Austin) as the 1981 recipient of the \$1500 Biennial Award in Mineralogy and Petrology. This award, conferred for research in either mineralogy or petrology, has been established to offer young scientists an opportunity to develop their natural talents.

ANNOUNCEMENT OF CRYSTALLOGRAPHIC KRAUS-GLASS AWARD

Applications are now being accepted for the Biennial 1982 Crystallographic Kraus-Glass Research Award of \$1500. This award, sponsored by the Edward K. Kraus Crystallographic Research Fund and the Jewell J. Glass Memorial Legacy, is conferred for research in crystallography, preferably directly related to mineralogy and petrology. The only restriction in eligibility for the \$1500 award is that recipients must have reached their 25th birthday but not yet reached their 36th birthday on the date of the award. There are no restrictions on how the prize money is to be spent.

Application forms can be obtained from the MSA Business Office. Completed applications should be sent directly to H. Catherine Skinner, Jonathan Edwards College, Yale University, New Haven, CT 06520, on or before September 1, 1981. The proposals will be reviewed by a panel consisting of four additional members (J.H. Fang, C.O. Pollard, J.R. Smyth and Tibor Zoltai) of the Mineralogical Society of America, and the Award for the best proposal will be announced following the fall MSA Council meeting.

MSA AWARD AND ROEBLING MEDAL

The MSA Award and the Roebling Medal Committees are soliciting your recommendations for meritorious candidates for next year's award recipients. For the MSA Award the candidate must be less than 35 years old when the chosen research, for which the award is made, was published. The Roebling Medal is our highest award and is given in recognition of great distinction and superiority in scientific research in the mineralogical sciences. If you have one or more deserving candidates for either award, please send adequate documentation to either Professor Peter R. Buseck, Chairman of the Roebling Medal Committee (Department of Geology, Arizona State University, Tempe, Arizona 85281), or Professor Charles W. Burnham, Chairman of the MSA Award Committee (Department of Geology, Harvard University, Cambridge, MA 02138). The Roebling Medalist for 1981 will be Professor Robert M. Garrels of the Department of Geological Sciences, Northwestern University, and the MSA Award will go to Professor Alexandra Navrotsky of the Department of Chemistry at Arizona State University. Both of these awards will be made at the MSA Banquet to be held next fall during the 1981 Annual Meeting of the MSA in Cincinnati. I hope you will be able to attend and to participate in these ceremonies.

AMERICAN MINERALOGIST EDITORSHIP

After five years of banner service, Brian Mason notified Council in November, 1979, that he wished to be relieved of his duties as Editor of The American Mineralogist at the end of 1980. Brian has done a splendid job in the Editor's chair in maintaining the high standards of our journal and in obtaining a balance between petrologic and crystallographic papers. I second Past-President Gary W. Ernst's motion that "We owe Brian a debt of gratitude for the many improvements that he made in the quality of the journal."

The selection of a new Editor was given highest priority, and a Committee headed by E-an Zen considered a number of outstanding candidates for the Editor's chair. Based on recommendations by this committee, Michael J. Holdaway (Department of Geological Sciences, Southern Methodist University, Dallas, Texas 75275) was confirmed as the Editor of our journal beginning in 1981. To continue our progress in communicating all aspects of the sciences of mineralogy, crystallography and petrology, Mike urges the membership to submit their papers on minerals

and igneous and metamorphic petrology to The American Mineralogist for consideration. A random poll of the membership by Brian H. Mason, prior to his retirement, revealed that there is a considerable demand by the membership for review articles on kinetics of crystal growth, solid state mechanisms and processes in minerals, physical properties of minerals, structure of silicate melts, vibrational spectroscopy of minerals, mineral paragenesis, volatiles in igneous rocks and minerals, the synthesis and inclusions of gemstones, crystal chemistry of metasomatism, etc. Because of this demand, the preparation of such articles is encouraged for consideration and publication in The American Mineralogist.

NEWLY ELECTED FELLOWS

I am pleased to congratulate the following members of the Society who were elected to Fellowship at the MSA Council Meeting, November 1980: Donald A. Brobst, Charles V. Clemency, Peter Deines, Louis Erickson, Edward S. Grew, Timothy L. Grove, Stephen E. Haggerty, Liang-Chi Hsu, R. James Kirkpatrick, Frank G. Lesure, Stearns A. Morse, Yoshikazu Ohashi and David R. Veblen. Future nominations for Fellowship status are welcomed and should be sent to Arthur L. Boettcher (Institute of Geophysics and Planetary Physics, UCLA, Los Angeles, California 90024), Chairman of the Nominating Committee for Fellows.

NECROLOGY

It is with deep regret that I have to inform you of the great loss to our Society by the deaths of Michael P. Charette, Charles L. Christ (Fellow), William Eitel (Fellow), Joseph J. Fahey (Life Fellow), Sterling B. Hendricks (Past-President, 1954 and Fellow), Tei-Ichi Ito (Roebing Medalist, 1968 and Life Fellow), George C. Kennedy (Recipient of the MSA Award, 1956 and Life Fellow), William Q. Kennedy (Life Fellow), M.S. Krishnan (Life Fellow), Thomas R. McGetchin, Jean F. Orcel (Life Fellow), Philip M. Orville (Fellow), Edward Sampson (Life Fellow), William G. Schlecht, Roger J. Strens (Fellow) and W.H. Zachariassen (Fellow). Memorials are to be prepared for publication in The American Mineralogist. Members who are well acquainted with one or more of the deceased members and who wish to write memorials highlighting the deceased member's professional accomplishments should contact the Archivist of the Society, George T. Faust, P.O. Box 411, Basking Ridge, New Jersey 07920. In order to avoid duplication of effort, please note that memorials must be cleared through the Archivist's office.

In honor of the memory of Charles L. Christ and Joseph J. Fahey, 25 present and former Geological Survey colleagues have donated \$1245.00 in support of the recently established Biennial Mineralogy-Petrology Award. "All felt this was a most appropriate way of commemorating the achievements and friendship of Charlie and Joe." On behalf of the Mineralogical Society, I wish to thank each of the following for generous contributions to this very worthwhile memorial: Victor T. Allen, Philip M. Bethke, Joan R. Clark, H.T. Evans, Jr., Michael Fleischer, Earl F. Ingerson, Kenneth McGee, Vincent McKelvey, Mary E. Mrose, Thomas B. Nolan, George Phair, Arthur S. Radtke,

Laure Reichen, Richard A. Robie, Edwin Roedder, Eugene Roseboom, Malcolm Ross, Meyer Rubin, Brian J. Skinner, H. Catherine Skinner, Thomas W. Stern, Rollin Stevens, Priestly Toulmin III, Anne Vlisides and Ann Walance.

VOLUNTEERS FOR MSA COMMITTEE WORK

In response to Past-President Gary Ernst's appeal for volunteers, ten members volunteered to serve on committees. Of these, five were given committee assignments. The names of the remaining five have been passed on to Vice-President Donald Lindsley (Department of Earth and Space Sciences, SUNY at Stony Brook, Stony Brook, New York 11794), Chairman of the Committee on Committees, for consideration in next year's committee assignments. If you would be willing to serve, please volunteer your services to Don Lindsley. Although there are a limited number of committee assignments to be filled each year, we will attempt to involve as many volunteers as possible in the committee assignments.

BALLOT FOR ELECTION OF OFFICERS

The ballot for election of the following officers of the Mineralogical Society will be distributed to the membership in early summer. Please do not forget to vote. The list of candidates running for office is as follows:

President, 1982:	Donald H. Linsley
Vice-President, 1982:	(two candidates; one to be elected): Arthur L. Boettcher Edwin Roedder
Secretary, 1982:	M. Charles Gilbert
Councilors, 1982-1984:	(four candidates; two to be elected): Robert A. Berner George W. Fisher Stearns A. Morse Donald R. Peacor

In closing, I want to thank those members of the Society who gave so freely of their valuable time and completed their committee assignments with such painstaking care (see p. 595-596, May-June, 1980, issue of The American Mineralogist). I am also very grateful to all of the past Officers and Councilors who worked hard and tirelessly for the benefit of our Society. These include: David R. Wones, retiring Past-President; Brian H. Mason, retiring Editor; Malcolm Ross, retiring Treasurer; and outgoing Councilors Arden L. Albee and Bernard W. Evans.

Yours sincerely,



G.V. Gibbs,
President