

The Lattice

MEMBER AND BENEFACTOR CONTRIBUTIONS TO THE MINERALOGICAL SOCIETY OF AMERICA FOR 2000

Many members contribute to MSA each year by including a contribution with their dues. Depending on the wishes of the member, the money is deposited with the principal of the MSA Endowment, MSA Mineralogy/Petrology, MSA Outreach, or Edward H. Kraus Crystallographic Research Funds. The income of these four Funds are to support MSA's research grants in crystallography, mineralogy, and petrology; publishing of the *American Mineralogist*; the *American Mineralogist* Undergraduate Awards; the Mineralogical Society of America Award; the Distinguished Public Service Award, the Roebling Medal; the website, and the Outreach program. These Funds are described in more detail in the Financial Advisory Committee Report that appears in this issue. Continued member generosity has permitted the two Funds that support student research grants to each give three \$3500 student research grants yearly. However, the need is obviously greater. For the three 2001 grants, MSA received a total of 43 proposals. More than likely the Grant Committees will again determine that more than just 3 proposals deserve funding.

Between 7/31/99 and 8/1/00, 188 MSA members and organizations contributed \$12,920.75 to MSA Funds: Endowment (\$2,613.50), Kraus (\$2,418.5), and Mineralogy/Petrology Fund (\$4,663.25), and Outreach (\$3,225.50). The MSA Benefactor Committee, chaired by Dave London and comprising Donald R. Peacor, Steven C. Bergman, and Rustum Roy solicited contributions from companies and other organizations and raised \$1,500, all destined for the Outreach Fund. If you have not done so previously, you might want to consider contributing at the next opportunity. Here we want to extend our gratitude to the following individuals and organizations:

Edward H. Kraus Crystallographic Research Fund

- David R. Allan
- Rudolf Allmann
- Fred M. Allen
- Jillian F. Banfield

- Joan R. Clark
- Raymond A. Donelick
- Alfred J. Frueh
- Seymour Geller
- Michael Gregorkiewitz
- Stephen J. Guggenheim
- Theo Hahn
- George E. Harlow
- John M. Hughes
- Takahiro Kuribayashi
- Gregory R. Lumpkin
- Ritsuro Miyawaki
- Fumito Nishi
- Masaaki Ohmasa
- Horst J. Pentinghaus
- Richard J. Reeder
- Michael M. Scott
- David B. Stewart
- Vittorio Tazzoli
- Michael A. Velbel
- Hans Wondratschek
- David J. Zobkiw
- Kenneth J. DeNault
- Franklin F. Foit, Jr.
- Thomas A. Gegan
- Juergen Glinnemann
- Edward S. Grew
- Purificacion Fenoll Hach-ali
- Alain R.D. Hanson
- Peter J. Heaney
- Mary L. Johnson
- Louise Levien
- Stefano Merlino
- Henry C. Mullner
- Paul A. Northrup
- Kazuhito Ozawa
- Charles T. Prewitt
- Nancy L. Ross
- Thomas G. Sharp
- Shu-Chun Su
- Luciano Ungaretti
- Richard Wirth
- Shu-cheng Yu

(continued as Contributors on p. 14)

Also in this issue

From the President.....	2
In Memoriam.....	3
Notes from Washington.....	4
MSA Undergraduate Award Winners.....	5
2000-2001 MSA Distinguished Lecturer Tour Schedule.....	6
Goldschmidt 2001.....	7
A Clarification on Letters to American Mineralogist.....	8
All About Tables.....	8
FM-TGMS-MSA Mineralogical Symposium.....	9
Report of the Financial Advisory Committee.....	10
Description of MSA Funds.....	11
2000 Treasurer's Report.....	12
Sulfate Short Course Announcement and Registration Form.....	15
MSA Membership Form.....	18
MSA Publications Form.....	19
Meeting Calendar.....	21
New Members.....	22

From the President

To follow up briefly on the subject of my last letter to you: very soon after you read this, it will be time to begin our annual membership renewal process. This year we will offer you the convenience of secure online renewal. In September, MSA members with e-mail addresses on file in the business office will receive a brief e-mail announcement containing a link to the membership renewal website; the MSA home page will also have a link on it for this purpose.

I hope that you will respond right away — if you do, you'll be immediately assured that you'll receive all benefits of membership in the coming year, and it will help MSA by reducing the substantial cost of the traditional mailing of renewal notices. Just as with the paper renewal, you'll have the option of purchasing any MSA publications you want, and you'll have the chance to make much-needed contributions to the Society's endowed funds.

There is one new wrinkle: we'll also take this opportunity to solicit from you your input on the Society and its activities. Although you can skip past it with just one click, you can also be of great help by spending a few minutes responding anonymously to a half-dozen questions that I hope will give the MSA Council a much clearer picture of what you feel is important and how MSA should move forward from here.

The Society's endowment

I wrote last time of the coupled needs to make our society broader and larger, and the actions we've taken toward those ends. In this, my last letter to you, I'd like to take up the third and last of the themes that I think present vital challenges to MSA's future well-being: the need to make the Society financially stronger.

MSA is blessed with a tremendous legacy from its founders, in the form of an endowment originally created by Colonel Washington A. Roebling shortly before his death in 1926, and subsequently enlarged by the generosity of many, many members. The Society's Financial Advisory Committee has managed these funds admirably, yielding a total endowment spread across several funds that now exceeds \$2 million in value. With such magnificent resources at its disposal, one would think that MSA would be empowered to do all that it wants — but that's no longer the case.

The Society has for many years faced a deficit in its operating budget. Each year, substantial transfers must be made from the endowment to cover shortfalls in income versus expenses. The need to support our activities from

the endowment comes in large part from our commitment to making our publications and activities affordable. We should take great pride in the fact that MSA's publications, short courses, lecturer program, and the like are among the best values around. And we have always worked hard to keep costs down and prices low. Examples are the switch to desktop publishing to cut publication costs for *American Mineralogist*, and careful scrutiny of budgets for short courses.

But as we seek to do more and more — expanding *American Mineralogist*, offering more short courses, publishing more *Reviews* volumes, growing our outreach and lecturers programs, offering member services on our website — MSA's activities have been steadily expanding in scope and depth, to the point that we have now outgrown our legacy. We now rely each year on the endowment to cover a significant part of our operating costs. This is entirely appropriate: the very purpose of the endowment is to further the activities of the Society. *But it means that the Society's activities are now limited by the size of its endowment.*

Opportunities have been passed over for lack of funds several times in the past year. Publication of *Reviews* volumes has been delayed because money was not available to cover initial printing costs. Chances to further expand our efforts at developing outreach materials for the website have been reluctantly set aside. Moves to incorporate more frequent use of color plates in *American Mineralogist* have been restricted. A program to help support student attendance at meetings will be instituted (in this case, the Goldschmidt 2001 conference that MSA will co-sponsor), but only on a limited scale. Our flexibility to explore new venues or formats for meetings is heavily limited by finances. MSA's participation in and contribution to broader geoscience initiatives, including a large number of programs coordinated by the American Geological Institute, is highly constrained. And who knows what new initiatives might be conceived if the Society had the wherewithal to act decisively to implement them?

Of course, you can help

With that backdrop, you won't be surprised that I'll conclude with an appeal for you to think a bit about what MSA and its activities have meant to you, and then to join me in an effort to build the Society's endowment. As I renew your membership this year, I ask that you aggressively support MSA's activities by making an annual contribution that goes well beyond what you've

done before — and that you take advantage of the chance to direct that contribution to its highest and best use by responding to the membership survey and letting us know what matters most to you.

A final note of thanks

As my term as MSA President nears its end, the need looms large to thank a great many people who make MSA the great organization that it is. The time and effort that members volunteer to our Society are its greatest asset, and at the top of the contributors list are our incoming President, Kase Klein; our diligent Secretary, Dave Jenkins; our steadfast Treasurer, Brooks Hansen; and the 2000 MSA Council: Dave Bish, Mike Carpenter, Mark Ghiorso, Bob Luth, Jeff Post, and Sorena Sorensen. The lengthy roll of MSA committee members is too long to recite here, but all have earned our thanks. And no one works harder with less reward than our tireless publications Editors. Ann Hofmeister, Bob Dymek, Paul Ribbe, Darrell Henry, John Brady, Don Dingwell, Martin Dove, Frank Spear, and Allan Treiman (plus all our hard-working Associate Editors) are genuinely among the Society's heroes. And let there be no mistake: MSA could not function without its dedicated headquarters staff, led by our tireless Managing Editor, Rachel Russell, and by our superb Administrator, Alexander Speer. To all, my sincere thanks on behalf of a grateful MSA!

Bill Carlson
MSA President

In Memoriam

We regret to announce the passing of the following MSA member. The Society extends its condolences to the family and friends of these scientists.

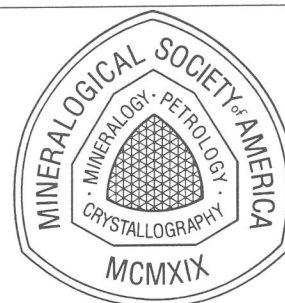
Harold L. James (Life Fellow-1947)
Bernard L. Murowchick (Life Member, 1950)
Louis S. Walter (Fellow-1959)

Check MSA's Website

MSA's website (www.minsoc.org) is a window into our organization. The website continues to improve and provide timely information on MSA and geosciences in general. It will continue to improve with the input of the MSA members — so get involved.

The November Lattice deadline is November 22

Contributions may be sent to Darrell Henry via surface mail at Department of Geology and Geophysics, Louisiana State University, Baton Rouge, LA 70803 or via e-mail at glenr@unix1.sncc.lsu.edu. Note: this is a late deadline due to the mid-November meeting date for the Geological Society of America.



The Lattice is published quarterly (February, May, August, November) by the Mineralogical Society of America. It is distributed to MSA members as a service. Articles and letters are welcome.

The Mineralogical Society of America is composed of individuals interested in mineralogy, crystallography, and petrology. Founded in 1919, the Society promotes, through education and research, the understanding and application of mineralogy by industry, universities, government and the public.

Membership benefits include: *American Mineralogist*, published bi-monthly; 25% discount on volumes in the Reviews in Mineralogy series; *The Lattice*; special subscription rates for *Mineralogical Abstracts*, *Physics and Chemistry of Minerals*, *Journal of Petrology*, and *Journal of Metamorphic Geology*; reduced registration fees at MSA short courses; member rates for the MSA/Geological Society of America annual meeting and member rates at MSA's spring meeting with the American Geophysical Union; participation in a Society that supports the many facets of mineralogy.

Dues for 2000 are \$80 for professional members who elect to receive *American Mineralogist* and \$50 for those who elect not to receive the journal, but who do receive all other membership benefits; membership is \$30 for students. Membership is on a calendar year basis. Individuals who join after January 1, 2000 will be sent all back issues of volume 85, 2000.

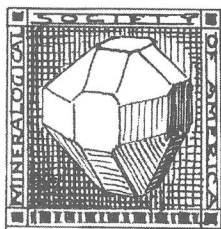
For additional membership information and an application, and/or to receive a price list of the Society's publications, contact the Business Office.

Institutions may subscribe to the 2000 volume of *American Mineralogist* for the annual rate of \$430 in the US and \$440 for non-US addresses. The subscription price includes any new volumes of the *Reviews in Mineralogy* series published during the calendar year of the subscription. Payment must be received in full before a subscription will be started.

2000 President: *William D. Carlson*, Univ. of Texas-Austin
Past-President: *John M. Ferry*, The Johns Hopkins Univ.
Vice President: *Cornelis Klein*, Univ. of New Mexico
Secretary: *David Jenkins* Binghamton Univ.
Treasurer: *R. Brooks Hanson*, Science Magazine
Editor of The Lattice: *Darrell J. Henry*, Louisiana St. Univ.

MSA Administrator: *J. Alexander Speer*
Mineralogical Society of America
1015 Eighteenth Street N.W., Suite 601
Washington, D.C. 20036-5274
Tel: (202) 775-4344; Fax: (202) 775-0018
E-mail: business@minsocam.org, J_a_speer@minsocam.org

Notes from Washington



- At its 2000 Spring Meeting, MSA Council voted to keep 2001 member dues at the 2000 cost of \$50. Student dues with the journal will also remain unchanged at \$30, as does the cost of a member subscription to *American Mineralogist* at \$30.

Council also approved a student membership category without the journal for \$5. Institutional subscriptions to the journal were increased to \$480 for subscribers with U.S. addresses and \$490 for subscribers with non-U.S. addresses.

- MSA 2001 membership renewals will be mailed during October 2000. MSA will also attempt an online reminder and membership renewal during the month of September. You can save your Society a lot of money by renewing early whether you chose to use the electronic version in September or the traditional paper version in October. If you reside overseas and are interested in faster delivery of *American Mineralogist*, consider ordering International Surface Airlift service (ISAL) for the journal when you renew your member subscription. It will cost \$40 additional. ISAL will reduce shipping time from several months to 2-3 weeks, depending on your location.

- The MSA Council also approved a recommendation for Periodicals Service Company (PSC) to handle the back issues of *American Mineralogist* from up to and including 1995. PSC already handled the back issues for 1916-1980. If you need back issues from 1981-1995 and would like to order them from MSA, you have only until the end of the year to do so. You can use the listing form elsewhere in this issue to see which issues are still available and to order copies.

- The MSA website continues to expand.

The searchable Online Membership Directory now contains a place for **member's home page URL's**. This, as well as a member's e-mail addresses called up in a search, are active, so that you can access them with one click. If you would like to publicize your home page, please send us the address by mail, e-mail, fax, or use the online Directory Update at http://www.minsocam.org/MSA/Dir_Update_1.html. While you are at it, check your directory entry to make sure we have your correct e-mail and phone numbers – especially the correct area code for US members. The

number of area codes seem to increase daily and, with overlay area codes, we can no longer make a blank area code change based on geographic area as in the past. We must rely on members to tell us their area codes.

Information and instructions about copyrights and **requesting permission to reproduce published material** from MSA publications are now online. It can be reached from the MSA home page or directly at <http://www.minsocam.org/MSA/Permission.html>.

The **Ask-A-Mineralogist** section of the website is now active. It is in the form of a bulletin board. The site is open to anyone and no one has to subscribe as in the case of the MSA-Talk list. MSA encourages you to visit the site and respond to any questions for which you can provide additional information. Do so often. A good opportunity is when you wish to do something useful but there is insufficient time to finish that lecture, grade the last test, complete the latest research, or complete the article for *American Mineralogist*. Consider your contribution as an outreach effort. Suggestions to improving the site are also welcome.

- There is a new MSA publication - Reviews in Mineralogy and Geochemistry volume 39: *Transformation Processes in Minerals*. It is the volume that accompanied the short course of the same name in Cambridge, England on September 1-2, 2000. You can order a copy using the MSA Publication Order Form in this issue. There are only a few copies remaining of Reviews in Mineralogy volume 9A: *Amphiboles and other Hydrated Pyriboles – Mineralogy*. It has been decided not to reprint this volume, so if you are interested in a copy consider ordering soon.

- In other news about publications, Mineral Data Publishing Company is offering a 25% discount to MSA members on the newly published volume in *Handbook of Mineralogy*: series: Volume IV: Arsenates, Phosphates, Vanadates. More detailed descriptions about the series is at <http://www.mineraldata.com/>. If you are interested, use the MSA publication order form to order your copy. The new volume offers you a fresh opportunity to collect on the \$5 reward for any error you may find. See the Mineral Data Publishing Company ad or website details.

- The MSA Awards Luncheon, MSA Presidential Address, Annual Business Meeting, and joint MSA-Geochemical

Society Reception at the Annual Meeting with Geological Society of America (GSA) in Reno, NV will all be on Wednesday, November 14, 2000. The Luncheon and Reception are ticketed functions. Tickets are sold by GSA and can be bought either when you register for the meeting or up to 24 hours before the event in the meeting registration area. Luncheon cost is \$25. Reception cost is \$10 for professionals and \$5 for students. MSA will have a booth in the Exhibit Hall. Further information, as well as meeting and housing registration forms are at <<http://www.geosociety.org/>>.

• At the head of this column is a logo. It is to add some interest to the Lattice and make this column of membership announcements more readily distinguishable. The logo can hardly be considered new. It was logo #4 of the 7 original suggestions considered by the 1939-1940 MSA Seal Committee comprising Waldemar T. Schaller, Paul F. Kerr and Walter F. Hunt.

J. Alex Speer, MSA Administrator

j_a_speer@minsocam.org

MEMBERS NOMINATE OUTSTANDING STUDENTS IN MINERALOGY FOR SOCIETY'S UNDERGRADUATE AWARD

MSA members have taken advantage of the Society's American Mineralogist Undergraduate (AMU) Award program to recognize outstanding students who have shown an interest and ability in the discipline of mineralogy. Each student was cited by his or her department for outstanding achievement in mineralogy-related courses. The AMU Awards allow MSA to join with the individual faculty to formally recognize outstanding students. Each student is presented a certificate at an awards ceremony at his or her university or college. In addition, each recipient receives a *Reviews in Mineralogy* or *Monograph* volume chosen by the sponsor, student, or both.

Deadlines for nominating students are January 1 and July 1 of each year. Mark these dates on your calendars and let us know about your exceptional student. If you are interested in presenting the award at a particular

ceremony, please remember that time is required to produce certificates. To nominate a student, send a letter on departmental letterhead to Dr. J. Alexander Speer, MSA Business Office, 1015 Eighteenth St NW Ste 601, Washington, DC 20036-5274 USA. With the nomination, please include the student's full name that would be suitable for the certificate, a mailing address for the student that will be current at the time the award is made, year in school, the MSA sponsor's name, the choice of *Reviews in Mineralogy* or *Monograph*, and the date and brief description of the award ceremony at which the certificate will be presented. The letter must be signed or co-signed by the department chair.

The Society welcomes the following exceptional students to the program's honor roll and wishes to thank the sponsors for enabling MSA to recognize these outstanding individuals.

Colin Burks Amos

University of California - Davis

Sponsored by Dr. Howard W. Day

Karine Champagne

Université de Montréal

Sponsored by Dr. Walter E.

Trzcienski

Tracy L. Hall

Central Washington University

Sponsored by Dr. James

Northorne

Christopher W. Hepler

Clemson University

Sponsored by Dr. Richard D.

Warner

Amanda L. Parodi

North Carolina State University

Sponsored by Dr. Edward S.

Stoddard

Emma Sojourner Gage Rainey

University of Minnesota

Sponsored by Dr. Donna L.

Whitney

Christen D. Rowe

Smith College

Sponsored by Dr. John B. Brady

Trevor M. Stroker

University of Missouri-Rolla

Sponsored by Dr. Richard D

Hagni

Raina Waskiewicz

University of Missouri-Rolla

Sponsored by Dr. John P. Hogan

MINERALOGICAL SOCIETY OF AMERICA DISTINGUISHED LECTURER PROGRAM 2000-2001 TOURS

On behalf of MSA, I am pleased to announce the schedule for the 2000-2001 MSA Distinguished Lecturer Tours. This year the Program has been expanded to include 3 lecturers and some tours in Europe. I was able to accommodate about half of the 60+ requests. The complete Tour Schedule is listed below. We should all thank the 2000-2001 MSA Distinguished Lecturers: Rhian Jones, John Holloway and Ian Parsons for agreeing

to lecture on behalf of MSA. If you wish to travel to a nearby institution with students to hear a lecture, please contact the local host. Dates and times are subject to change. For more information on the MSA Distinguished Lecturer Program, visit the MSA Web site at http://www.minsocam.org/MSA/The_Lecture_Program.html

Dr. Helen M. Lang,
MSA Lecture Program Administrator

IAN PARSONS

TOUR 1

November 27, 2000 Ottawa-Carlton Geoscience Centre,
Ottawa, ON; *Host: André Lalonde*

November 28 McGill Univ., Montreal, Quebec; *Host: John Stix*

November 29 Acadia University, Wolfville, NS; *Host: Sandra Barr*

Nov. 30/Dec. 1 Bowdoin College, Brunswick, ME; *Host: Rachel Beane*

TOUR 2a

Sept. 25-27, 2000 Mineralogical Society of Spain, A
Coruña, Spain; *Host: Jordi Delgado*

TOUR 2b

February 13, 2001 Univ. of Cambridge, Cambridge, UK
Host: Simon Conway-Morris

February 15/16, 2001 Aarhus Univ., Aarhus, DK; *Host: Richard Wilson, Hans Zimmermann*

TOUR 3

April 23, 2001 Calvin College, Grand Rapids, MI; *Host: Janel Curry*

April 24 Univ. of Wisconsin, Milwaukee, WI; *Host: Theresa Boundy*

April 25 Lawrence University, Appleton, WI; *Host: Jeff Clark*

April 26/27 Michigan Technical Univ., Houghton MI; *Host: Chuck Young*

JOHN HOLLOWAY

TOUR 1

February 19, 2001 Smith College (5 college lecture series),
Northampton, MA; *Host: Mark Brandriss*

February 21 Hartwick College, Oneonta, NY; *Host: Laura Wasylenki*

February 22/23 Skidmore College, Saratoga Springs, NY;
Host: Richard Lindemann

TOUR 2

March 26, 2001 Northwest Missouri State Univ., Maryville,
MO; *Host: Joseph F. Reese*

March 28 Central Missouri State Univ., Warrensburg, MO;
Host: Mark Dudley

March 29/30 St. Louis Univ., St. Louis, MO; *Host: Brian Mitchell, John Encarnacion*

TOUR 3

April 23, 2001 Central Washington Univ., Ellensburg, WA;
Host: Wendy Bohrson

April 25 Washington State Univ., Pullman, WA; *Host: Kent Keller*

April 26/27 Montana State Univ., Bozeman, MT; *Host: Dave Mogk*

RHIAN JONES

TOUR 1

October 2, 2000 Univ. of Toronto, Toronto, ON; *Host: James Brennan*

October 4 Brock Univ., St. Catherines, ON; *Host: Frank Fueten*

October 5/6 Univ. of Western Ontario, London, ON; *Host: Mike Fleet, Penny King*

TOUR 2

November 27 Indiana State Univ., Terre Haute, IN; *Host: Sandra Brake*

November 29 West Virginia University, Morgantown, WV;
Host: Helen Lang

Nov. 30/Dec. 1 Denison Univ., Granville, OH; *Host: David Hawkins*

TOUR 3

February 19, 2001 Edinburgh Univ., Edinburgh, Scotland;
Host: Kathy Whaler

February 27 Univ. of Rome, Rome, Italy; *Host: Annibale Mottana*

March 1 Modena Univ., Modena, Italy; *Host: Maria Franca Brigatti*

TOUR 4

April 2, 2001 New Mexico State Univ., Las Cruces, NM;
Host: Jeff Amato, Tom Giordano

Goldschmidt 2001

Planning is underway for Goldschmidt 2001, to be held at the historic Hotel Roanoke and Conference Center, May 20-24, 2001. As co-sponsor of Goldschmidt 2001, the Mineralogical Society of America invites its members to participate and to propose and organize technical sessions. Additional information, including a preliminary listing of symposia and technical sessions, is available on the MSA website at: <http://www.minsocam.org/>

The Hotel Roanoke and Conference Center (HRCC) is a turn-of-the-century hotel that has been completely renovated and modernized, with the addition of a state-of-the-art conference facility. All technical sessions and social activities will be held in the HRCC, and 250+ lodging rooms have been reserved for conference attendees. Additional lodging will be available at several nearby hotels, many of which are within easy walking distance of the HRCC. Interested persons should visit the HRCC website at: <http://www.hotelroanoke.com/>

Additional information may be obtained from either of the co-chairs of Goldschmidt 2001, Bob Bodnar (bubbles@vt.edu) or Mike Hochella (hochella@vt.edu).

Geochemical Society and Mineralogical Society of America Short Course: Molecular Modeling Theory and Applications in the Geosciences

**Saturday and Sunday, May 19 and 20, 2001
(preceding the Goldschmidt Conference)**

Location: Hotel Roanoke and Conference Center, Roanoke, Virginia, USA

The course will focus on techniques and applications for modeling a wide variety of problems in mineralogy and geochemistry. Those interested in using molecular modeling in research or understanding papers in computational chemistry should attend.

Organizers: Randall T. Cygan and James D. Kubicki,

Website: www.sandia.gov/eeselector/GScourse.htm

Remember MSA's Geological Material Research electronic journal

Geological Materials Research is a refereed, electronic journal of the Mineralogical Society of America that publishes results of original research on Earth and planetary materials and processes with an emphasis on petrology, geochemistry, mineralogy, mineral physics, crystallography, and related fields.

August, 2000

THE DIAMOND COLLECTION!

DIAMONDS of the WORLD- Our most popular collection of twelve (12) different natural diamond crystals! These will include several different colors, a variety of different forms such as cubes, octahedrons, macles etc., and all from twelve different countries! Total weight in these collections will average about three carats, and crystal sizes will range from about 2.5mm to 5mm. Every specimen is individually packaged and labeled with complete locality data, and each collection is offered at an exceptionally low, competitive per carat price @ **only \$99- per collection plus \$5.00 shipping (USA).**

THE NEW CD-ROM!

The Photographic Guide to Mineral Species

An astounding 5400 never-before-published photographs depicting 3100 different mineral species are pictured in in this remarkable CD, four times the number of different minerals seen in any other product! Completely hyperlinked among species names, localities and associations, this outstanding photographic record captures many of the rarely-seen, frequently-overlooked phases. An invaluable teaching aid and reference work, this multi-featured, dual platform CD includes Netscape Communicator 4.5 and will operate in both Windows and Mac operating systems! Only **\$69.95 plus \$4.00 shipping (USA).**

THE NEW BOOK!

LANGBAN - The Mines, Minerals, Geology & Explorers

A superb 215+ page hardcover book printed on exquisite heavy stock that tells the complete story of this prolific Swedish mineral locality. Filled with excellent color photos as well as black and white images of the rich mineralogy and history of this famous area, this book is a long-awaited masterpiece of regional mineralogy that every library should have! Full descriptive mineralogy of the hundreds of species that occur there, coupled with a marvelous historical treatment make this an instant classic! Large format (30x22cm), superb printing quality @ **\$75.00 plus \$6.50 shipping (USA).**

THE BEST DATABASE!

The Fersman Museum Mineral Database

This excellent software product is a comprehensive database of all IMA-approved mineral species through early 1999, compiled by the scientists at the Fersman Mineralogical Museum in Moscow. Information for each mineral includes chemistry, mineral group, X-ray data and space group, optical data, other physical properties as well as type locality and literature references! **Most importantly, every field or combination of fields is fully searchable!** Plus, there are two user fields that can be modified and included in any search!

This DOS-based program works well in any Windows environment with an IBM-compatible system. We have prepared a full installation package and instruction guide for our clients, and this excellent software package is just **\$99.00 plus \$4.00 shipping (USA).**

Use your Visa, MasterCard, or American Express card.
Institutional purchase orders accepted via mail or fax.

Excalibur Mineral Company

Rare Minerals, Meteorites & Analytical Services

1000 North Division Street - Peekskill, NY 10566

Tel: (914) 739-1134 - Fax: (914) 739-1257

E-Mail: excalmin@bestweb.net

Website: www.bestweb.net/~excalmin

A Clarification on Letters

(by Anne Hofmeister and Robert Dymek, Editors of American Mineralogist)

Despite some confusion in recent months, the definition of what constitutes an American Mineralogist "Letter" has not changed. The official definition, as approved by the MSA Council, is stated on the back cover of each issue of the Journal and reads as follows: "Letters provide for rapid publication (4–6 months) of results that are judged to be timely, significant, and of widespread interest to the mineralogical community."

We fully admit that there is considerable leeway in the application of this definition, as each person would have differing ideas of what constitutes "widespread interest," for example. Despite this obvious ambiguity, over the last year or so, the editors have tried to adhere to the spirit of the definition. Submitted manuscripts that are simply short do not, in and of themselves, correspond to "letters" (although our experience indicates that shorter manuscripts make it through the review system much faster than novels). Simply put, "letters" should represent material that benefits from rapid publication.

In most cases, it is the Editors (and not Associate Editors) who guide "letters" through the review process. Following an initial assessment about the appropriateness of a manuscript to the "letter" category, "letters" are sent to reviewers who are asked to reply within one week (previously, reviewers had been asked to reply within 48 hours, but this deadline proved to be impracticable in most cases). The reviewers are asked to comment

specifically on the appropriateness of the manuscript in the context of the above definition, and to make a recommendation in one of four categories, as follows: (1) Accept as is; (2) Accept with very minor revision; (3) Resubmit as a regular manuscript; and (4) Reject. These categories are a relatively new part of the "letter" review process, having been instituted by us about a year ago, based on discussions with several Associate Editors who previously had been involved with "letters."

One of the outcomes of the current review process is that, in a majority of cases, reviewers will select option #3, because they view the manuscript to be incomplete and in need of additional data or discussion. In such cases, the manuscript is rejected because extensive revision is deemed necessary. Letters are rarely revised -- on account of the time factor -- because extensive revision (and possible re-review) defeats the intent of rapid publication. Thus, a majority of letters are rejected on the basis of incompleteness, not perceived overall quality of the science. Of these, virtually all authors are invited to resubmit their letters as regular manuscripts and most do.

American Mineralogist is aware of and fully supports the need for rapid publication of significant material, while at the same time maintaining our traditional standards. We welcome comments from the membership about this policy.

All About Tables

By Rachel A. Russell, American Mineralogist Managing Editor

Believe it or not, for the most part we like doing tables. It is very satisfying to take a complex mess (or even a cute little mess) and import it into PageMaker and with the use of a few styles and proper tabbing, get it to look nice.

Keep in mind that we do not re-key the data, we are importing material given us by the authors. If we do re-key, then we alert the author to that on the proof because it would need extra sharp proofreading. Usually the importing goes pretty cleanly, with just the tabs needing proper spacing and symbols put into the correct font. Every now and then a table imports as one long column of data that we have to cut and paste cell-by-cell into position.

However, there are always ways for the authors to help us out! One of the most obvious ways is to note

when creating your table that we do not put lines in the body of the table, although authors are welcome to use blank lines of space to separate data into groups. We use lines to clarify the column heads and to separate the headers from the title and the body of the table and a couple more lines to separate the footnotes from the body of the table and the rest of the manuscript. And, with very few exceptions, that's all. Another obvious way to help is to make sure the table is organized in the most logical and space compacted way. Sometimes tables benefit by being turned around.

There are just a few other specific things authors should be aware of in each section of a table: the title, body, and the footnotes.

First off, in *American Mineralogist*, the title is a simple phrase, so there is no period to close it. Both

“Table 1. Procedure for correcting O data following standard drift during an analytical session” and “Table 2. Experimental conditions and results” would be examples. All other information must be in the footnotes.

The table body usually has data in columns. Each column should have a column heading. Variables should be italic (as in the body of the manuscript). Some tables are simply lists of data. These tables omit the column headings.

Footnotes are likely the tricky bit of a table. Any “Notes” precede the footnotes themselves. We strongly prefer that you use footnote symbols, not numbers or letters, to key footnotes to data. The symbols and their order are *, †, ‡, §, ||, # and then doubling and tripling as necessary. (In case something goes wrong with the typesetting of these symbols, let me

repeat them in words: asterisk, dagger, double dagger, section symbol, two parallel lines, and the pound key.) Oddly and because we like it that way, each footnote, regardless of whether it is a phrase or a sentence, is closed by a period.

The best way to understand our table style is to really look at the tables in the journal itself. I welcome any questions you might have!

NOTE: I have recently put more information and examples of references on the web site. Go to the Instructions for Authors and take the jump to More About References. Especially note, at the bottom, the change in how we cite *Reviews in Mineralogy* volumes!

22nd FM-TGMS-MSA Mineralogical Symposium

THE MINERALS OF RUSSIA

In conjunction with the Friends of Mineralogy, Tucson Gem and Mineral Show
Saturday February 10, 2000

The twenty-second annual Mineralogical Symposium will be held on February 10, 2001 at the Tucson Gem and Mineral Show. The Friends of Mineralogy, the Tucson Gem and Mineral Society, and the Mineralogical Society of America cosponsor it. The topic of the symposium is Minerals of Russia, the Tucson Show's theme for 2001. Papers on descriptive mineralogy, paragenesis, classic and new locations, and related subjects about the minerals of Russia are welcome. An audience of amateur and professional mineralogists and geologists is expected.

Anyone wanting to present a paper should submit a 200 to 300 word abstract to: Raymond W. Grant, Mesa Community College, 1833 W. Southern Ave., Mesa, AZ 85202; (480) 461-7008 (phone), (480) 461-7234 (fax) rwgrant@mail.mc.maricopa.edu (e-mail)

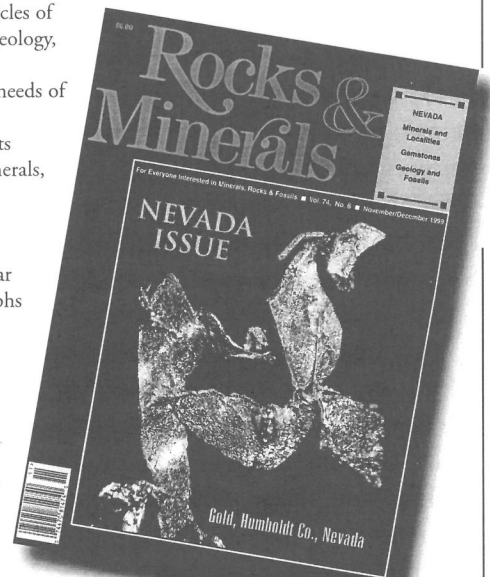
Presentations will twenty minutes, followed by a period for questions. Abstracts must be submitted by September 10, 2000. The abstracts will be published in the January/February 2001 issue of the *Mineralogical Record*.

America's oldest popular magazine about minerals.

ROCKS & MINERALS has published articles of interest to all students of mineralogy, geology, and paleontology since 1926. The magazine is designed to meet the needs of the amateur in the field as well as the professional. Regular departments explore such topics as fossils, microminerals, and current geologic events. Detailed collecting-locality listings appear periodically, and each year one issue provides an in-depth look at a particular state. Color illustrations and photographs appear throughout each issue.

Recent articles include:

- *Colorado Sphalerite*
by Barbara Muntyan
- *The Geology and Minerals of Cerro de Mercado, Durango, Mexico*
by Peter K. M. Megaw and Mark D. Brown
- *The History, Geology, and Mineralogy of the White Pine Mine, Ontonagon County, Michigan*
by Tom Rosemeyer
- *Air Tool Preparation of Fossils*
by Ron Ratkevich
- *The W. M. Keck Museum of the Mackay School of Mines, Reno, Nevada*
by Thomas Lugaski



Rocks & Minerals is published by Heldref Publications, a non-profit publisher of educational journals, magazines and scholarly material
<http://www.heldref.org>

1342 RM

2000 Treasurer's Report

fiscal year, the 1999 for the first time? There were a number of positive results due to the continued success of the *American Mineralogist* published have been passed to the editors of the *Mineralogist* for these changes to desktop publishing to the Society. In turn has been the expansion of the major contributor names and other titles for 2000 or the expenses of the increase in the membership is projected important, library donations, and the several years Council accounted for estimates and was also slightly higher \$27,205 to us, in absence of deficit in 1999 that was covered by the firm of the order. On the net of the Society's net \$704,124, versus more than \$1 million reason was the . Thanks go to wise investment

and the future: renewals, and new which bodes well for that we held library

The major future budget, and other books projected 5 new and three books is that one book

will not be printed (a savings of about \$15,000) and at least one RIMGs volume may be deferred until 2001 (or later). Each RIMGs volume costs the society about \$25,000 up front (we recoup this in later years through sales, which remain strong for many of the recent volumes, most notably Geomicrobiology, Planetary Materials, and High-Pressure Mineralogy).

A major development is that it seems that the Department of Energy will help contribute to holding many of the short courses. This funding should lower registration costs for attendees and hopefully boost participation. Still, the 2000 budget is projected as having a large deficit because more RIMGs volumes will be printed than were projected when we set the institutional subscription rate. This has been corrected in setting the institutional rates for 2001, so this budget drain should not continue. We have now based future budgets on 4 new RIMGs volumes/year. The 2000 deficit reflects the lag in recognizing this increase, and it should not recur in future years. We have negotiated with the Geochemical Society that they will contribute to the up front cost of RIMG volumes.

Because of the projected increase in postal rates (an expansion of the journal) the cost of distributing *American Mineralogist* to members has increased to \$35/year. The budget and pricing plan is based on the assumption that members will only pay for the incremental price of the journal (that is, the society turns no profit on member subscriptions). Currently, members are charged \$30 for *American Mineralogist*, less than what is needed for the Society to break even.

Because of the healthy investment climate of the last three to four years, the two Kraus and Mineralogy/Petrology funds have both grown considerably. Council voted that the awards should be increased from \$3500 to \$5000.

In summary, a stable budget environment may be indicated by the surplus in 1999, the reduced operating expenses for the *American Mineralogist*, stabilization of the library subscriptions (if this is in fact holds), and stabilization of the number of RIMGs volumes per year. This means that the society can or should consider how to use some proportion, say 5%, of its endowment each year. This amounts to about \$50,000 that could be put to use.

Brooks Hanson
MSA Treasurer

ry Y

Committee

1,000 withdrawn from the Roebling Fund, used to underwrite the FY'98 deficit and funded FY'99 programs; the balance began to fund FY'00 programs. For FY'99, 3.7% percent was used to support 10.1% of MSA's

invests in a diversified portfolio of eight Most of the underlying investments are in bonds. Performance of equities over months has been both mixed and volatile. have performed considerably better than The performance of MSA's funds reflects market: growth funds have done well, value As of July 10, 2000:

100\$	Invested Style ¹	12 month Return ¹	Category Average ¹
31	multi-cap growth	46.5%	44.8%
33	multi-cap growth	37.0%	44.8%
37	small-cap value	-2.6%	8.4%
30	large cap value	-6.7%	-5.5%
38	large cap value	-6.8%	-5.5%
32	large cap value and growth	9.1%	10.8%
30	large-cap value, 22% bonds	-5.9%	-5.5%
4	small-cap value	NA	8.4%
39	large cap value and growth	41.4%	11.9%

Company, [com/documents/bbsearch.htm](http://www.com/documents/bbsearch.htm) is the successor fund following the merger with Reich & merged into the Delafield Fund, June 15, 2000

tee is paying close attention to, and may is that are performing poorly relative to

mitted,

son
Tuebner, Chair
Holdaway
Sween
ear

Table 1. Summary of the financial status of MSA as of December 1999 by fund (listed as assets and liabilities) and comparison with totals in December of 1996 to December, 1999.

Item	General operating	Roebling	Miner. & Petrology	Kraus Crystal.	Endowment	Out-reach	Fund			
							1999 Total	1998 Total	1997 Total	1996 Total
Assets										
Cash	\$355,843						\$355,843	\$168,287	\$189,799	\$7,777
Accounts receivable	25,018						25,018	45,003	28,458	33,631
Prepaid expenses	16,838						16,838	23,619	23,663	12,526
Interfund borrowings	652,187	\$(573,999)	\$5,443	\$2,000	\$(90,589)	\$4,958				
Investments	4,547	1,594,861	260,612	161,736	232,849	21,153	2,275,758	1,979,393	1,863,257	1,635,899
Furniture and equip.	22,743						22,743	36,255	59,489	58,254
Deposit	7,924						7,924	8,424	7,923	8,425
Assets held for others									19,245	25,658
Total assets	1,085,100	1,020,862	266,055	154,331	142,260	26,111	2,704,124	2,260,981	2,191,834	1,782,170
Liabilities and net assets										
Accounts payable	55,793						55,793	68,606	39,806	48,281
Deferred dues	27,654						27,654	1,674	1,270	30,600
Deferred subscriptions	308,780						308,780	236,581	218,980	25,565
Rent abatement	15,839						15,839	14,046	12,254	10,462
Assets held for others									19,245	25,658
Total liabilities	408,066						408,066	320,906	291,555	140,566
Net Assets										
Unrestricted	677,034	1,020,862					1,697,896	1,388,624	1,377,876	1,239,030
Temporarily restricted			190,404	67,835		7,843	266,082	243,638	232,978	132,489
Permanently restricted			75,651	95,901	142,260	18,268	332,080	307,813	289,425	270,085
Total net assets	677,034	1,020,862	266,055	161,736	142,260	26,111	2,296,058	1,940,075	1,900,279	1,641,604
Total liabilities and net assets	1,085,100	1,020,862	266,055	161,736	142,260	26,111	2,704,124	2,260,981	2,191,834	1,782,170

ADVANCES ON MICAS: Problems, Methods, Applications in Geodynamics

Accademia Nazionale dei Lincei, the Italian National Academy, is convening this meeting in Rome, on November 2nd to 4th 2000, to review key aspects of the present state of the art for work this very important group of rock-forming minerals. Scientific and logistical information can be found at www.unimo.it/micas2000.

Advertisements in The Lattice

The Lattice accepts paid advertisements. Rates:

Ad frequency:	1 time	4 times
Ad type:	<i>(per insertion)</i>	
Full page:	\$500	\$400
Half page:	\$250	\$200
Quarter page:	\$125	\$100
Eighth page:	\$75	\$50

Details may be obtained from the MSA Business Office: J. Alex Speer, Mineralogical Society of America, 1015 Eighteenth Street, N. W., Suite 601, Washington D. C. 20036, Telephone: 202-775-4344, Fax: 202-775-0018, E-mail: business@minsocam.org. Only camera-ready copy of advertisements can be accepted, and should be sent directly to the MSA Business Office

Registration Form

Mineralogical Society of America Short Course
**SULFATE MINERALS: CRYSTALLOGRAPHY, GEOCHEMISTRY,
 AND ENVIRONMENTAL SIGNIFICANCE**
 Tahoe City, California – November 11-12, 2000

Complete and return this registration form to the MSA Business Office, 1015 Eighteenth St NW Ste 601, Washington, D.C. 20036-5274, USA. Telephone: 202-775-4344. FAX: 202-775-0018. Please type or print. Use one form per registrant. Payment must accompany this form. Registration is limited to 100 people on a first-come, first-served basis. Payment must accompany this form, which will be fully refunded if cancellation is received in writing prior to October 10, 2000.

Name _____
 (first) (middle) (last)

Address _____

 (city) (state) (zip/postal code) (province) (country)

Telephone: (Voice) _____ (Fax) _____

E-mail: _____

Registration fee includes MSA short course session costs, break refreshments, banquet, and *Reviews in Mineralogy* volume. All MSA short course sessions are at the Granlibakken Resort and Conference Center, Tahoe City, CA 96145-6329. There is an informal welcoming reception 5:30 pm Friday evening, November 10 at the Granlibakken Resort. Registration fee does not include room, other meals, or transportation costs to or from Reno. Participants must submit the accompanying **Accommodation and Ground Transport Registration** form to Granlibakken Resort and Conference Center, PO Box 6329, Tahoe City, CA 96145-6329 U.S.A. voice: (800) 543-3221, fax: (530) 583-7641, e-mail: reservations@granlibakken.com. A block of rooms have been reserved for short course participants until 10/10/2000. Information on the short course, lodging, ground transportation, and course updates are on the MSA Home Page (<http://www.minsocam.org>).

Registration. Mark the appropriate registration category [X] and write the appropriate fee on the cost line:

	<i>on or before 9/15/2000</i>	<i>after 9/15/2000</i>	cost
Professional Registration:			
[] Member	\$360	\$410	_____
[] Non-member	\$440*	\$490*	_____
[] Speaker	no cost	no cost	_____
Student Registration:			
[] Member	\$120	\$170	_____
[] Non-member	\$150*	\$200*	_____

* includes MSA membership dues for 2001.

Total Due \$ _____

Amount Enclosed (Indicate payment method and amount of payment enclosed)

[] Enclosed is a check (in US \$ drawn on a US bank) or money order in the amount of \$ _____

[] Charge my: _____ Visa _____ Mastercard _____ Diner's Club _____ American Express card
 (Your credit card will be charged when the registration form is received) in the amount of \$ _____

_____ (card number) _____ (name on card -- please print)

_____ (signature) _____ (exp. date)

**Accommodation and Ground Transport Registration
MSA SHORT COURSE ON SULFATES**
Friday, November 10 to Sunday, November 12, 2000

NAME: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____
 COUNTRY: _____
 E-MAIL: _____
 PHONE: _____ FAX: _____
 STATUS: Attendee Speaker Sex: M F Other: Smoker Non-smoker

Arrival day/date _____ Departure day/date _____
ALL PARTICIPANTS MUST BE REGISTERED WITH GRANLIBAKKEN AND MUST PARTICIPATE IN ONE OF THE FOLLOWING PACKAGES:

CONFERENCE ACCOMMODATIONS PACKAGES:

Lodging descriptions and meals:	2 Night Rate
<input type="checkbox"/> Standard room single occupancy (bedroom or room in townhouse) <input type="checkbox"/> Spouse/guest @ _____	◆ 2 nights' lodging ◆ 2 breakfasts ◆ 2 lunches ◆ 2 dinners ◆ 20% tax & service \$328.80
<input type="checkbox"/> Standard room double occupancy, per participant rate: _____	\$252.00
<input type="checkbox"/> Deluxe room single occupancy (Studio or Executive Lodge): _____	\$400.80
<input type="checkbox"/> Spouse/guest @ _____	\$108.00
<input type="checkbox"/> Deluxe room double occupancy, per participant rate _____	\$288.00
<input type="checkbox"/> Student rate is based on triple or quad occupancy in a poolroom. Space is limited and is based on a first come/first serve basis.	\$204.00
<input type="checkbox"/> Off grounds fee is for any participant who will be attending the meeting but not staying at Granlibakken. Includes all meals, use of the facilities, parking and 20% tax and service.	\$156.00

I will be sharing lodging with _____
 Please assign a roommate: Male Female Smoker Non smoker
 Granlibakken will make every effort to accommodate all requests for double occupancy; however, in the event a roommate is not available, the single rate will apply.

Special dietary or lodging restrictions _____

TRANSPORTATION from the Reno/Tahoe Airport is available at a cost of \$27.50 per person, each way, with a minimum of \$50.00 per trip. 7 days prior notice and prepayment are required. Cancellations received less than 24 hours prior to arrival are non-refundable.

ARR DAY/DATE AIRLINE/FLT NO. ARR TIME # PEOPLE @ \$27.50 PP = \$ _____
 DEP DAY/DATE AIRLINE/FLT NO. DEP TIME # PEOPLE @ \$27.50 PP = \$ _____

TOTAL PACKAGE PRICE (including transportation) = \$ _____

- A deposit of \$100.00 per person is due at the time of booking with full payment due on arrival. Please remit payment to: Granlibakken Conference Center, P.O. Box 6329, Tahoe City, CA 96145 or call (800) 543-3221 or email: reservations@granlibakken.com. Reservations are due by **October 10, 2000**, and any reservations received after this date are on a space available basis.
- CANCELLATION** at any time is subject to a \$10.00 handling fee. Reservations canceled after **October 10, 2000** are subject to a charge of \$100.00 per person.
- No shows are charged 2 nights at the package rate. Participants who check-in a day late or checkout a day early are charged the full package rate unless the alternate arrival/departure dates are confirmed 72 hours prior to arrival
- Lodging room check in time is 4:00 p.m. and checkout time is 11:00 a.m.

CREDIT CARD # _____ EXP DATE _____
 SIGNATURE _____

Granlibakken Conference Center @ Lake Tahoe
 P. O. Box 6329
 Tahoe City, CA 96145
 800-543-3221
 530-583-7641 (fax)
reservations@granlibakken.com
www.granlibakken.com

Mineralogical Society of America Membership Application

To join the MSA, please send a copy of this application, along with the required payments for dues and subscriptions, to the Mineralogical Society of America, 1015 Eighteenth St NW Ste 601, Washington DC 20036-5274, USA phone: (202) 775-4344; fax: (202) 775-0018; e-mail: business@minsocam.org; website: www.minsocam.org

Membership Category Requested: Member Student Member Life Member

Address Information:

Dr. Name: _____ Phone _____
 Prof First Middle Last _____ Fax _____
 Mr. Address: _____ E-mail _____
 Ms. _____ Birth date _____
 Mrs. _____
 Other: _____

Areas of Interest: (Check as many as apply) Mineralogy (MI), Crystallography/Crystal Chemistry (CC), Material Properties (PP), Igneous Petrology (IP), Metamorphic Petrology (MP), Sedimentary Petrology (SP), Geochemistry (GE), Phase Equilibria (PE), Economic Geology (EG), Clay Mineralogy (CM), Industrial Mineralogy (IM), Environmental Mineralogy (EM), Gems GM, Planetary Materials (PM), Teaching (TC), Descriptive (Topologic) Mineralogy (TP), Mineral Surfaces (MS), Biological-Mineral Interactions (BM), Others (Please indicate) _____

Professional Information:

Highest Degree earned: Doctorate Masters Bachelors No College Degree
 Institution at which Highest Degree was earned _____ Year _____
 Location _____
 Employer _____ Job Title _____
 Job Function(s): _____
 What other professional societies do you belong to? _____

Student Certification: (Applicants for student membership must supply the following information.)

Institution _____ Location _____
 Degree sought _____ Expected completion date _____
 A faculty member who can verify your student status:
 Name _____ E-mail _____

2001 Fee Schedule

Memberships are entered and renewed on a calendar basis. You will receive all publications for the year you join. Membership applications received after October 1 will be made effective January 1 of the following year unless otherwise requested. Members will receive the newsletter, *The Lattice*, as part of their dues. As an additional benefit, members may elect to receive the *American Mineralogist*, as well as some related publications, at substantially reduced rates. Please indicate all options that apply in the box to the right. Members are entitled to a 25% discount on other MSA publications given on our Publication List.

Member Dues	US\$50.00
Student Member Dues	5.00
<i>American Mineralogist</i> (member price)	30.00
<i>American Mineralogist</i> (student member price)	25.00
International airlift for <i>American Mineralogist</i>	40.00
Life Membership Dues (with <i>American Mineralogist</i>)	2000.00
<i>Mineralogical Abstracts</i> , published quarterly by the Mineralogical Society of Great Britain & Ireland	55.00
<i>Physics and Chemistry of Minerals</i> , published eight times a year by Springer-Verlag	475.00
<i>Journal of Petrology</i> , published twelve times a year by Oxford University Press	375.00
<i>Rocks & Minerals</i> published 6 times a year by Heldref Foundation \$35.70 (\$45.70 for non-US addresses)	
TOTAL	

Payment: Payment can be made by money order or check in US dollars drawn on a US bank and payable to the Mineralogical Society of America. US\$ _____ enclosed or charge my: Mastercard Visa Diners Club American Express credit card
 Card # _____ Exp. Date: _____
 Cardholder: _____ Signature: _____

Mineralogical Society of America

Publications Price List and Order Form

Views in Mineralogy and Reviews in Mineralogy and Geochemistry (25% member discount)

- ___ v. 08: Kinetics of Geochemical Processes (1981)..... \$20
- ___ v. 9A: Amphiboles and Other Hydrated Pyriboles - Mineralogy (1981)..... \$20
- ___ v. 9B: Amphiboles: Petrology and Experimental - Phase Relations (1982)..... \$20
- ___ v. 10: Characterization of Metamorphism through Mineral Equilibria (1982)..... \$20
- ___ v. 11: Carbonates: Mineralogy & Chemistry (1983)..... \$24
- ___ v. 12: Fluid Inclusions (1984)..... \$32
- ___ v. 13: Micas (1984)..... \$28
- ___ v. 14: Microscopic to Macroscopic: Atomic Environments to Mineral Thermodynamics (1985)..... \$20
- ___ v. 15: Mathematical Crystallography (rev.) (1990)..... \$24
- ___ v. 16: Stable Isotopes in High Temperature Geological Processes (1986)..... \$24
- ___ v. 17: Thermodynamic Modeling of Geological Materials: Minerals, Fluids, Melts (1987)..... \$28
- ___ v. 18: Spectroscopic Methods in Mineralogy and Geology (1988)..... \$28
- ___ v. 19: Hydrated Phyllosilicates (Exclusive of Micas) (1988)..... \$28
- ___ v. 20: Modern Powder Diffraction (1989)..... \$28
- ___ v. 21: Geochemistry and Mineralogy of Rare Earth Elements (1989)..... \$28
- ___ v. 22: The Al₂SiO₅ Polymorphs (1990)..... \$24
- ___ v. 23: Mineral-Water Interface Geochemistry (1990)..... \$36
- ___ v. 24: Modern Methods of Igneous Petrology (1990)..... \$24
- ___ v. 25: Oxide Minerals: Petrologic and Magnetic Significance (1991)..... \$28
- ___ v. 26: Contact Metamorphism (1991)..... \$32
- ___ v. 27: Minerals and Reactions at the Atomic Scale: Transmission Electron Microscopy (1992)..... \$28
- ___ v. 28: Health Effects of Mineral Dusts (1993)..... \$32
- ___ v. 29: Silica: Physical Behavior, Geochemistry and Materials Applications (1994)..... \$32
- ___ v. 30: Volatiles in Magmas (1994)..... \$30
- ___ v. 31: Chemical Weathering Silicate Minerals (1995)..... \$32
- ___ v. 32: Silicate Melts (1995)..... \$30
- ___ v. 33: Boron (1996)..... \$32
- ___ v. 34: Reactive Transport in Porous Media (1996)..... \$32
- ___ v. 35: Geomicrobiology (1997)..... \$32
- ___ v. 36: Planetary Materials (1998)..... \$40

- ___ v. 37: Ultra-High Pressure Mineralogy (1998)..... \$32
- ___ v. 38: U Minerals & Chemistry (1999)..... \$32
- ___ v. 39: Mineral Transformation Processes (2000)..... \$32

Monographs (25% member discount)

- ___ Crystallography & Crystal Chemistry, F. D. Bloss..... \$32
- ___ v. 1: Metamorphic Phase Equilibria, Spear..... \$60
- ___ v. 2: Crystal Structures v. 1, O'Keeffe & Hyde..... \$36
- ___ v. 3: Teaching Mineralogy..... \$28
- ___ v. 4: Bowen, D.A. Young..... \$16
- ___ v. 5: Optical Crystallography, F. D. Bloss..... \$32

Handbook of Mineralogy (25% member discount, except shipping)

- ___ v. I: Elements, Sulfides, Sulfosalts..... \$94+\$6 shipping
- ___ v. II: Silica, Silicates (two books)..... \$144+\$7.50 shipping
- ___ v. III: Halides, Hydroxides, Oxides..... \$100+\$6 shipping
- ___ v. IV: Arsenates, Phosphates, Vanadates..... \$108+\$6 shipping

Mineralogical Society Series (25% member discount)

- ___ v. 2: High-Temp. Metamorphism (1990)..... \$168
- ___ v. 3: Stability of Minerals (1993)..... \$210
- ___ v. 4: Clay-Pore Fluid Interactions (1993)..... \$230
- ___ v. 5: Mineral Surfaces (1994)..... \$74
- ___ v. 6: Microprobe Techniques (1994)..... \$83
- ___ v. 7: Rare Earth Minerals (1995)..... \$74
- ___ v. 8: Deformation-Enhanced Fluid Flow (1997)..... \$122

Other Publications (no member discount)

- ___ Fifth International Kimberlite Conference Proceedings..... \$45 shipping: U.S.-\$3.75/set, Canada -\$12/set, Elsewhere-\$6.75/set.
- ___ Centennial History Geological Society of Washington..... \$10
- ___ MSA Membership Directory (MSA members only)..... \$15

American Mineralogist - back and single issues

For volumes 1-64, contact Periodicals Service Company, 11 Main St., Germantown, NY 12526 USA. (518) 537-4700

Vol.	member	non-member
81-84	\$5/issue, \$30/volume	\$55/issue, \$430/volume
85	\$5/issue, \$30/volume	\$55/issue, \$430/volume

volume: _____ issue # _____ price _____
 volume: _____ issue # _____ price _____

To Order: Indicate quantity, shipping, and cost information. Only MSA Members may take the 25% discount where noted. Prepay orders under \$300. Publications may not be returned for refund or credit. Send entire form to: Mineralogical Society of America, 1015 18th Street NW Ste 601, Washington, DC 20036-5274 USA. Phone: (202) 775-4344; Fax: (202) 775-0018 E-mail: business@minsocam.org.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____ Postal Code: _____

Payment: check in US\$ drawn on a US bank, money order, UNESCO coupons, or credit card:

___ Visa [] MasterCard [] Diners Club [] American Express

Card #: _____ Exp Date: _____

Signature: _____

Print name as it appears on card: _____

FOR ORDERS SHIPPED TO CANADA. Please add the following amount for postage: 1-2 books: No additional postage (via book rate), 3-5 books: \$6.00 (parcel post), 6-8 books: \$8.00 (parcel post), for more than 8 books, please contact the MSA Business Office.

A. Total for member discount books	
B. less 25% member discount (A x 0.25)	
C. Total for non-discounted items	
D. Shipping (no charge for surface mail/library rate except as noted) For airmail, UPS, or invoiced orders, contact MSA	
Total (A-B+C+D)	

AMERICAN MINERALOGIST BACK ISSUES

Missing an issue of the journal from your shelf? Want to extend your set back a few years before you became member? 1981-1995 back issues of the *American Mineralogist* will be available from MSA only until 12/31/2000. This is the last opportunity for you to purchase many of the numbers at member prices. Some numbers before 1986 are in limited supply.

Qty	year	volume	number		v. 71	# 7/8		v. 76	# 5/6		
_____	1981	v. 66	# 1/2	_____	_____	# 9/10	_____	_____	v. 76	# 7/8	
_____		v. 66	# 3/4	_____	_____	#11/12	_____	_____	v. 76	# 9/10	
_____		v. 66	# 5/6	_____	1987	v. 72	# 1/2	_____	v. 76	#11/12	
_____		v. 66	# 7/8	_____	_____	v. 72	# 3/4	_____	1992	v. 77	# 1/2
_____		v. 66	# 9/10	_____	_____	v. 72	# 5/6	_____	_____	v. 77	# 3/4
_____		v. 66	#11/12	_____	_____	v. 72	# 7/8	_____	_____	v. 77	# 5/6
_____	1982	v. 67	# 1/2	_____	_____	v. 72	# 9/10	_____	_____	v. 77	# 7/8
_____		v. 67	# 3/4	_____	_____	v. 72	#11/12	_____	_____	v. 77	# 9/10
_____		v. 67	# 5/6	_____	1988	v. 73	# 1/2	_____	_____	v. 77	#11/12
_____		v. 67	# 7/8	_____	_____	v. 73	# 3/4	_____	1993	v. 78	# 1/2
_____		v. 67	# 9/10	_____	_____	v. 73	# 5/6	_____	_____	v. 78	# 3/4
_____	1983	v. 68	# 1/2	_____	_____	v. 73	# 7/8	_____	_____	v. 78	# 5/6
_____		v. 68	# 3/4	_____	_____	v. 73	# 9/10	_____	_____	v. 78	# 7/8
_____		v. 68	# 5/6	_____	_____	v. 73	#11/12	_____	_____	v. 78	# 9/10
_____		v. 68	# 7/8	_____	1989	v. 74	# 1/2	_____	_____	v. 78	#11/12
_____		v. 68	# 9/10	_____	_____	v. 74	# 3/4	_____	1994	v. 79	# 1/2
_____		v. 68	#11/12	_____	_____	v. 74	# 5/6	_____	_____	v. 79	# 3/4
_____	1984	v. 69	# 3/4	_____	_____	v. 74	# 7/8	_____	_____	v. 79	# 5/6
_____		v. 69	# 5/6	_____	_____	v. 74	# 9/10	_____	_____	v. 79	# 7/8
_____		v. 69	# 7/8	_____	_____	v. 74	#11/12	_____	_____	v. 79	# 9/10
_____		v. 69	# 9/10	_____	1990	v. 75	# 1/2	_____	_____	v. 79	#11/12
_____	1985	v. 70	# 1/2	_____	_____	v. 75	# 3/4	_____	1995	v. 80	# 1/2
_____		v. 70	# 3/4	_____	_____	v. 75	# 5/6	_____	_____	v. 80	# 3/4
_____		v. 70	# 5/6	_____	_____	v. 75	# 7/8	_____	_____	v. 80	# 5/6
_____		v. 70	# 7/8	_____	_____	v. 75	# 9/10	_____	_____	v. 80	# 7/8
_____		v. 70	# 9/10	_____	_____	v. 75	#11/12	_____	_____	v. 80	# 9/10
_____	1986	v. 71	# 3/4	_____	1991	v. 76	# 1/2	_____	_____	v. 80	#11/12
_____		v. 71	# 5/6	_____	_____	v. 76	# 3/4	_____	_____		

To Order: Use this form to place your order. Send a copy of the entire form with payment to: Mineralogical Society of America, 1015 18th Street NW Ste 601, Washington, DC 20036-5274 USA. phone: (202) 775-4344; fax: (202) 775-0018 e-mail: business@minsocam.org

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____ Postal Code: _____

Payment: check in US\$ drawn on a US bank, money order, UNESCO coupons, or credit card: [] Visa [] MasterCard [] Diners Club [] American Express

Card #: _____ Exp Date: _____

Signature: _____

Print name as it appears on card: _____

A. Total number of journals	
B. Price each: \$3 for members \$5 non-members	
C. Total journal cost = A x B	
D. Shipping*	
E. Total cost = A + B + C + D	

* Shipping is by surface book post at no additional cost. If you prefer another form of shipment, please contact the MSA Business Office for costs. FOR ORDERS SHIPPED TO CANADA: Please add the following amount for postage: 1-2 books: No additional postage (by book rate), 3-5 books: \$6.00 (by parcel post), 6-8 books: \$8.00 (by parcel post), for more than 8 books, please contact the Business Office.

Meeting Calendar 2000

2000

September

3-8 Goldschmidt 2000. Oxford, UK. *Details:* P. Beattie, Cambridge Publications, Publications House, PO Box 27, Cambridge, UK CB1 4GL. Tel.: 44-1223-333438, Fax: 44-1223-333438, E-mail: gold2000@campublic.co.uk, WWW: <http://www.campublic.co.uk/science/conference/Gold2000/>

6-8 3rd Conference on Tectonic Problems of the San Andreas Fault System. Stanford, California. *Details:* B. Kovach, Department of Geophysics, Mitchell 360, Stanford University, Stanford, California, 943005-2215. Tel. 650-723-4827; Fax: 650-725-7344; E-mail: kov@pangea.stanford.edu. WWW: pangea.stanford.edu/GP/sanandreasconf.html.

11-12 Conference on Environmental Chromium Contamination and Remediation. Glasgow, UK. *Details:* John Farmer, Department of Chemistry, The University of Edinburgh, West Mains Road, Edinburgh EH9 3JJ, UK. E-mail: J.G.Farmer@ed.ac.uk.

25 The mineralogy of Waste and Waste Disposal. Keyworth, UK. *Details:* Dr. Adrian Lloyd-Lawrence, Mineralogical Society, 41 Queen's Gate, London SW7 5HR, UK. E-mail: Adrian@minersoc.demon.co.uk.

November

2-4 Advances on Micas: Problems, methods, applications in Geodynamics. Rome, Italy. *Details:* Accademia Nazionale dei Lincei, Via della Lungara 10, I-00165 Roma RM, Tel. +39-06-6868223 Fax +39-06-6893616, E-mail address:

segreteria@accademia.lincci.it, WWW: <http://www.unimo.it/micas2000/>

8-10 Conference on the Earth-Moon Relationship. Padova, Italy. *Details:* GSA Meetings Dept. Boulder, CO 80301-9140. Tel.: (303)-447-2020, Fax: (303)-447-1133. WWW: C. Barbieri, Department of Astronomy, University of Padova, Vicolo Osservatorio 5, Padova 35122 ITALY; Phone: +39-049-8293434; Fax: +39-049-8293507; E-mail: cbarbier@ux1.unipd.it; barbieri@pd.astro.it

13-16 GSA Annual Meeting. Reno, NV. *Details:* GSA Meetings Dept. Boulder, CO 80301-9140. Tel.: (303)-447-2020, Fax: (303)-447-1133. WWW: <http://www.geosociety.org/meetings/index/htm>

December

2-7 Geochemistry of Crustal Fluids – Fluid in the Crust and Chemical Fluxes at the Earth's Surface (EURESCO Conference). Granada, Spain. *Details:* Dr. J. Hendekovic, European Science Foundation, 1 quai Leay-Marnésia. 67080 Strasbourg Cedex, France. Tel.: 33 388 76 71 35; Fax: 33 388 36 69 87, E-mail: euresco@esf.org, WWW: <http://www.esf.org.euresco>.

4-7 4th International Mineralogy and Museums Conference. Melbourne, Australia. *Details:* Bill Birch, Museum Victoria, GPO Box 666E, Melbourne, Victoria, 3001, Australia., WWW: www.mov.vic.gov.au/mineralogy/welcome.html

15-19 AGU Fall Meeting. San Francisco, CA. *Details:* AGU Meeting Department, 2000 Florida Ave., NW Washington, DC 20009. Tel.: 202-462-6900; Fax: 202-328-0566, E-mail: meetings@kosmos.agu.org, WWW: <http://www.agu.org/meetings>.

2001

January

3-5 Mantle Materials, Processes and Products. Durham, UK. *Details:* Dougal Jerram, E-mail: D.A.Jerram@durham.ac.uk.

11-12 S-type Granites and Related Rocks: the Allan White Symposium. Melbourne, Australia. *Details:* Peter D. Fleming, Dept. of Earth Sciences, La Trobe

University, Bundoora, Australia 3083; Tel. 61-3-9479-1649 E-mail: p.fleming@latrobe.edu.au, WWW: www.geology.latrobe.edu.au.

May

20-24 11th Annual V. M. Goldschmidt Conference. Roanoke, VA. *Details:* Bob Bodnar

(bubbles@vt.edu) or Mike Hochella
(hochella@vt.edu).

wsimmons@uno.edu, FAX: (504) 280 7396, Phone:
(504) 280 6791

27-30 St. John's 2001, Geological Association of Canada – Mineralogical Association of Canada Annual Joint Meeting. St. John's, New Foundland, Canada.
Details: St. John's 2001, c/o Department of Mines and Energy, St. John's, New Foundland, A1B 4J6; Tel. 709-729-2301; Fax: 709-729-3493; E-mail: dmp@zeppo.geosurv.gov.nf.ca.

June

9-24 Field Course on Rare Earth Pegmatites. Madagascar. *Details:* Federico Pezzotta - Museo Civico di Storia Naturale, Corso Venezia 55, 20121 Milan, Italy. E-mail: fpezzotta@yahoo.com, FAX: (+39) 02 76022287, Phone: (+39) 02 781312 Wm. B. "Skip" Simmons – University of New Orleans, Department of Geology & Geophysics, New Orleans, LA 70148, USA. E-mail:

August

26-29 6th Biennial SGA meeting. Krakow, Poland.
Details: Wojciech Mayer, University of Mining and Metallurgy, Faculty of Geology, Geophysics and Environmental Protection, av. Mickiewicza 30, 30-059 Krakow, Poland. Tel.: 48-12-6172385, Fax: 48-12-63332936, E-mail: wmayer@geol.agl.edu.pl, WWW: <http://galaxy.uci.agh.edu.pl/~sga>.

September

1-7 Sixth International Eclogite Conference in Japan. Niihama, Ehime, Japan. *Details:* Masaki Enami, Department of Earth and Planetary Sciences, Graduate School of Science, Nagoya University, Nagoya 464-8602, Japan; Tel. and fax 81-52-789-3005 E-mail: enami@eps.nagoya-u.ac.jp; WWW: ganko.eps.nagoya-u.ac.jp/iec2001/index.html.

NEW MEMBERS WELCOME!

The following individuals joined MSA April 19 through August 4, 2000. We welcome them to the Society. The areas of interest are: Mineralogy (MI), Crystallography/Crystal Chemistry (CC), Material Properties (PP), Igneous Petrology (IP), Metamorphic Petrology (MP), Sedimentary Petrology (SP), Geochemistry (GE), Phase Equilibria (PE), Economic Geology (EG), Clay Mineralogy (CM), Industrial Mineralogy (IM), Environmental Mineralogy (EM), Gems

(GM), Planetary Materials (PM), Teaching (TC), Topologic Mineralogy (TP), Biological-Mineral Interactions (BM), and others as indicated.

If you know of someone who would like or should join MSA, give them the membership application that appears in this issue of *The Lattice*, or is available from either MSA's web site (<http://www.minsocam.org>) and the MSA Business Office, 1015 Eighteenth St NW Ste 601, Washington, DC 20036-5274, USA.

Binulal, Mr. Sadanandan, Shizuoka Univ, Dept of Biology & Geosciences, 836 Ohya, Shizuoka 422-8529, JAPAN. Ph: +81 (54) 238 4791. Fax: +81 (54) 238 0491. E-mail: binu@se-geomail.sci.shizuoka.ac.jp (ST-00). MI,IP,MP,GE,EG

t.chao@dowcorning.com (M-00).
MI,CC,PP,IP,MP,SP,GE,PE,EG,CM,PM,TC,TP,BM

Breu, Dr. Josef, Universität Regensburg, Inst Anorganische Chemie, Universitätsstr. 31, Regensburg, D-93040, GERMANY. Ph: +49 (941) 943 4523. Fax: +49 (941) 943 3261. E-mail: josef.breu@chemie.uni-regensburg.de (M-00) CM,CC

De Harde, Ms. Amina E., 1611 Bradley Ave, Rockville MD 20851, . Ph: (301) 762-7807. Fax: (301) 314-9661. E-mail: deharde@geol.umd.edu (ST-00).
MI,CC,IP,MP,SP,GE,EG,CM,IM,EM,GM,PM,TC,TP

Brown, Ms. Carolyn H., 69 Mill Road, Fleetwood PA 19522-8310, . Ph: (610) 987-3036. Fax: . E-mail: cabd@lehigh.edu (ST-00). MP,GE

De Leeuw, Dr. Nora H., Univ of Reading, Dept of Chemistry, White Knights, Reading RG6 6AD, UNITED KINGDOM. Ph: +44 (118) 931 6345. Fax: +44 (118) 931 6331. E-mail: n.h.deleeuw@reading.ac.uk (M-00). MS,CC

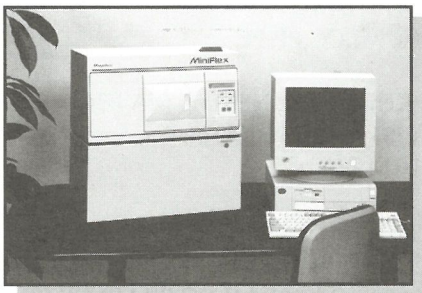
Canderle, Mr. Luis, Casilla de Correo 57, Santa Rosa L.P. 6300, ARGENTINA. Ph: +54 (2954) 15665811. Fax: +54 (2954) 433150. E-mail: hkanderl@arnet.com.ar (M-00). MP

Elsetinow, Ms. Alicia R., 824 N Bucknell St, Philadelphia PA 19130-1920, . Ph: (215) 769-2823. Fax: . E-mail: picard2020@aol.com (ST-00). MI,CC,PP,GE,IM,EM,BM

Chao, Dr. Timothy C., 301 W Chapel Ln, Midland MI 48640-7325, . Ph: (517) 496-6760. Fax: (517) 496-5956. E-mail:

Grant, Mr. Kevin J., Univ of Southampton, Sch of Ocean & Earth Sci, Office 166/07, Southampton Oceanograph Ctr, Southampton SO14 37H, UNITED KINGDOM. Ph: . Fax: . E-mail: kjg1@soc.soton.ac.uk (ST-00). CC,EG,MS

- Gronvold, Dr. Karl**, Nordic Volcanological Inst, Grensasvegur 50, Reykjavik IS-108, ICELAND. Ph: . Fax: +354 (1) 562 9767. E-mail: (M-00). Ph: (410) 516-7155. Fax: (410) 516-7933. E-mail: kt_moore@jhu.edu (ST-00). MI,CC,PP,PE
- Hammarstrom, Ms. Jane M.**, 13000 Harvest Pl, Fairfax VA 22030-7207, . Ph: (703) 648-6165. Fax: (703) 648-6252. E-mail: jhammars@usgs.gov (M-00). MI,IP,EG,EM,GM
- Hassan, Prof. Ismael**, Univ of Kuwait, Dept of Earth & Environmental Sci, PO Box 5969, Safat 13060, KUWAIT. Ph: . Fax: . E-mail: ishmael@kuc01.kuniv.edu.kw (M-00). MI,CC
- Hoffman, Dr. Eugene J.**, Morgan State Univ, Physics Department, Baltimore MD 21251, . Ph: (443) 885-3417. Fax: (410) 319-3180. E-mail: ehoffman@morgan.edu (M-00). PP,PM
- Kalt, Dr. Angelika**, Mineralogisches Inst, Im Neuenheimer Feld 236, Heidelberg D-69120, GERMANY. Ph: +49 (6221) 544 825. Fax: +49 (6221) 544 805. E-mail: akalt@min.uni-heidelberg.de (M-00). MP,IP,MI,GE,PE
- Kobatake, Mr. Hidekazu**, Tohoku Univ, Aramaki Aoba, Aoba-ku, Sendai 980-8578, JAPAN. Ph: +81 (22) 229 3660. Fax: +81 (22) 229 3660. E-mail: kobatake@ganko.tohoku.ac.jp (ST-00).
- Kontny, Dr. Agnes M.**, Geologisch-Palaontologisches Inst, Im Neuenheimer Feld 234, Heidelberg D-69120, GERMANY. Ph: +49 (6221) 546 053. Fax: +49 (6221) 545 503. E-mail: agnes.kontny@urz.uni-heidelberg.de (M-00). MI
- Kroeker, Dr. Scott C.**, Stanford University, Dept Geological & Env Sci, Stanford CA 94305-2115, . Ph: (650) 723-4475. Fax: (650) 725-2199. E-mail: kroeker@pangea.stanford.edu (M-00). MI,CC,GE
- Locke, Mr. Darren R.**, 1701 E 8th St Apt 167, Tempe AZ 85281-8156, . Ph: (480) 557-8193. Fax: (480) 965-8102. E-mail: dlocke@asu.edu (ST-00). GE,IP
- Lowe, Miss Emily W.**, 2803 Pennypond Ln, Annapolis MD 21401-7260, . Ph: (410) 897-1198. Fax: . E-mail: ewlowe@mtholyoke.edu (ST-00). MP,GE
- Masun, Ms. Katharine M.**, 1300 W Walsh St, Thunder Bay ON P7E 4X4, CANADA. Ph: (807) 473-5558. Fax: (807) 473-5660. E-mail: masunk@kcitbay.com (M-00). MI,IP,GE,EG
- McClellan, Dr. Elizabeth A.**, Univ of Kansas, Dept of Geology, 120 Lindley Hall, Lawrence KS 66045-2141, . Ph: (785) 864-2723. Fax: . E-mail: bethmc@ukans.edu (M-00). CC,IP,MP,GE,TC
- Misic, Prof. Miha**, Geological Survey of Slovenia, Dimiceva 14, Ljubljana 1000, SLOVINIA. Ph: +386 (61) 4367598. Fax: +386 (61) 4367596. E-mail: miha.misic1@guest.arnes.si (M-00). MI,CC,CM,BM
- Moore, Mr. Kevin T.**, Johns Hopkins Univ, Dept of Earth & Planet Sciences, 3400 N Charles St, Baltimore MD 21218-2687, . Ph: (410) 516-7155. Fax: (410) 516-7933. E-mail: kt_moore@jhu.edu (ST-00). MI,CC,PP,PE
- Murad, Dr. Edmond**, 20 Kenrick Ter, Newton, MA 02458-2419. Ph: (781) 377-3176. Fax: (781) 377-3160. E-mail: ed.murad@hanscon.af.mil. (M-00)
- Porcher, Dr. Carla C.**, Caixa Postal 15065, Porto Alegre R.S. 91501-970, BRAZIL. Ph: +55 (51) 316 6363. Fax: +55 (51) 318 1811. E-mail: carla@if.ufr65.br (M-00). MI,CC,PP,MP,GE,PE,TC
- Reichmann, Dr. Hans Josef**, GeoForschungsZentrum Potsdam, Telegrafenberg D227, Potsdam D-14473, GERMANY. Ph: +49 (331) 288 1416. Fax: +49 (331) 288 1402. E-mail: hanni@gfz-potsdam.de (M-00). MI,PP,PE,PM
- Rothstein Dr. David A.**, .DRC, Inc., 935 Michigan Ave Ste 3, Evanston, IL 60202-5414, Ph: (847) 778-4939. Fax: (847) 733-0595. E-mail: drothstein@earthlink.net. (M-00) MI,SP,GE,PE,EG,IM,GM
- Sata, Mr. Nagayochi**, 5-1-5 Kashiwa-no-ha, Kashiwa-shi, Chiba 277-8581, JAPAN. Ph: +81 (471) 36 3231. Fax: +81 (471) 36 3230. E-mail: sata@issp.u-tokyo.ac.jp (ST-00). CC,MI
- Schatz, Mr. Oliver J.**, 2825 Louisbourg St, Montreal QC H3M 1N4, CANADA. Ph: (514) 332-5699. Fax: . E-mail: oschatz@eps.mcgill.ca (ST-00). MI,CC,IP,MP,GE,PE,EG,GM,TC
- Shaw, Dr. Cliff S.J.**, Univ Bayreuth, Bayerisches Geoinstitut, Bayreuth D-95440, GERMANY. Ph: +49 (921) 553728. Fax: +49 (921) 553769. E-mail: cliff.shaw@uni.bayreuth.de (M-00). MI,IP,GE,PE
- Steffen, Mr. Kurt J.**, Univ of New Mexico, Dept Earth & Planetary Sci, Northrop Hall, Albuquerque NM 87131-1126, . Ph: (505) 277-2307. Fax: . E-mail: ksteffen@unm.edu (ST-00). CC,MP,GE,TC
- Thomas, Dr. Rainer**, GeoForschungsZentrum Potsdam, Telegrafenberg B120, Potsdam D-14473, GERMANY. Ph: +49 (331) 288 1425. Fax: +49 (331) 288 1474. E-mail: thomas@gfz-potsdam.de (M-00). MI,GE
- Wallfass, Ms. Carin M.**, Martin-Opitz-Str. 25, Berlin D-13357, GERMANY. Ph: +49 (30) 838 53439. Fax: +49 (30) 838 53469. E-mail: wallfass@chemie.fu-berlin.de (M-00). IP,GE,EM,MI,CC,TC
- Wang, Ms. Halan M.**, Univ of Toronto, Dept of Geology, 22 Russell St, Toronto ON M5S 3B1, CANADA. Ph: (416) 978-0668. Fax: (416) 978-3938. E-mail: halan@afm1.geology.utoronto.ca (ST-00). MI,CC,IP,GE
- Wilbur, Mr. Dru**, 341 Church St, Socorro NM 87801-4524, . Ph: (505) 835-4025. Fax: . E-mail: dwilbur@nmt.edu (ST-00). EG,BM



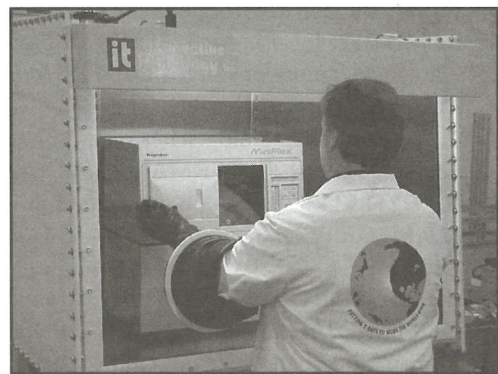
MiniFlex

Desktop Powder Diffractometer

*Making X-ray Diffraction
more accessible to everyone*

High Performance and Simple Operation in a Compact Configuration

- Extremely easy-to-use
- Exceptional low-angle performance
- Portable
- Plug-and-play, 110V operation
- Affordable



Rigaku

Rigaku/USA Inc.
9009 New Trails Drive
The Woodlands, Texas 77381
Tel: 281-367-2685 Fax: 281-364-3628
E-mail: info@rigaku.com Web: www.rigaku.com



1015 Eighteenth Street, N. W.
Suite 601
Washington, D. C. 20036

RETURN SERVICE REQUESTED

NON-PROFIT ORG.
U.S. POSTAGE
PAID
PERMIT NO. 4450
DAMASCUS, MD