

# The Lattice

The Newsletter of the  
Mineralogical Society  
of America

Subscription and membership  
information  
is on page three.

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are entitled to electronic ac-  
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your IP address.

## Call for nominations for the MSA Distinguished Public Service Medal for 2004

by Malcolm Ross, Chairman, MSA DPSA committee

The Distinguished Public Service Medal is awarded by the MSA Council to individuals who have made important contributions to furthering the vitality of the geological sciences, especially but not necessarily in the fields of mineralogy, geochemistry, petrology, and crystallography. Examples of public service our society might recognize as worthy of the DPSA, are written reports or testimony made to state and federal legislators, the general public, or the broader scientific community on topics such as volcanic hazards, mineral resource and waste management policy, science funding, and health effects of mineral dusts and mine effluents. Other examples of activities that might be considered for this award are: museum curation, assisting in bringing the geological sciences into the K-12 school curricula, presenting lectures that advance the public's understanding of the importance of the geosciences, and extraordinary service to national or international science societies.

Choosing candidates for the MSA Distinguished Public Service Award may be difficult for their service may be to a smaller community, such as a local school system, and thus hidden from view from most of us. There is little or no "paper trail" for many types of public service, or if there is, the written documents may not be easily accessible. It is thus very important that the

nominators for the DPSA carefully describe in detail the nature of the candidate's service. In regard to the MSA award or the Roebling Metal there is a paper trail, the easily accessible published scientific papers. Although the award in the past has been made to individuals, it may be made to a group.

In order to better understand the nature of the DPSA, a brief review is given below of the public service activities of previous recipients of the DPSA from 1990, when the award was initiated, to 2001 (no award was given in 1992, 1995, and 1997).

**1990.** Malcolm Ross received the DPSA for showing, through examination of the results of epidemiological stud-

## 2003 Nominees for MSA Office

The following is the slate of officer nominees for the Council year 2004:

### President:

Michael A. Carpenter, University of Cambridge

### Vice Presidential nominees:

Robert M. Hazen, Carnegie Institution of Washington  
Stephen J. Guggenheim, University of Illinois-Chicago

### Secretary nominees:

George E. Harlow, American Museum of Natural History  
John M. Hughes, Miami University (of Ohio)

### Councillors: (in alphabetical order)

Thomas Duffy, Princeton University  
Mickey E. Gunter, University of Idaho  
David London, University of Oklahoma  
Walter V. Maresch, Ruhr-Universitaet Bochum

Continued on page 5

Letter from the President

## Popularity of The Reviews in Mineralogy and Geochemistry Increasing

by Doug Rumble MSA President 2002-2003

Dear Friends,

The Reviews in Mineralogy and Geochemistry is one of the Mineralogical Society of America's most important publication efforts. The series succeeds not only in educating the mineralogical community but also non-members about the latest advances in mineralogical and geochemical research. The popularity of the series is increasing dramatically. With the publication of 4 new volumes in 2001 and 5 in 2002, the pace of production is unprecedented. Sales total over 4000 copies per year. Topics covered range over almost the entire alphabet, from Beryllium to Zeolites. There is sure to be a volume among those recently issued that you will want to read.

I would like to congratulate and thank the many authors, volume editors, and organizers who have accomplished such remarkable creative works. The series editors, Paul H. Ribbe (MSA) and Jodi J. Rosso (GS) deserve special thanks for their indispensable contributions. Executive Director Alex Speer, membership coordinator Everett Johnson, and Administrative Assistant Aleisha Hunter, have made extraordinary efforts to fill the increasing number of orders promptly.

The publication of so many volumes in such a short time period imposes a temporary burden on MSA's finances. But the impact of increasing sales bodes well for the future of the Society's balance sheet.

Volume 50, (2002)

### BERYLLIUM: MINERALOGY, PETROLOGY, AND GEOCHEMISTRY

Edward S. Grew, editor.

Volume 49, (2002)

### APPLICATIONS OF SYNCHROTRON RADIATION IN LOW-TEMPERATURE GEOCHEMISTRY AND ENVIRONMENTAL SCIENCE

Paul Fenter, Mark Rivers, Neil Sturchio, Steve Sutton, editors.

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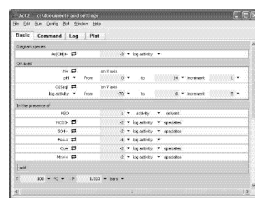
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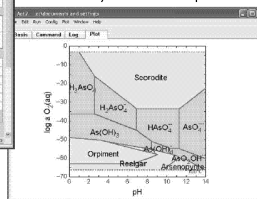
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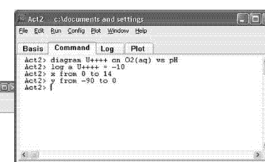


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Volume 48, (2002)  
**PHOSPHATES - GEOCHEMICAL, GEOBIOLOGICAL, AND  
MATERIALS IMPORTANCE**

Matthew L. Kohn, John Rakovan & John M. Hughes, editors.

Volume 47, (2002)  
**NOBLE GASES**

Donald P. Porcelli, Chris J. Ballentine, Rainer Wieler, editors.

Volume 46, (2002)  
**MICAS: CRYSTAL CHEMISTRY AND METAMORPHIC  
PETROLOGY**

Annibale Mottana, Francesco Paolo Sassi, James B. Thompson, Jr., and Stephen Guggenheim, editors.

Volume 45, (2001)  
**NATURAL ZEOLITES: OCCURRENCE, PROPERTIES,  
APPLICATIONS**

David Bish and D. Ming, editors.

Volume 44, (2001)  
**NANOPARTICLES AND THE ENVIRONMENT**

Jillian F. Banfield and Alexandria Navrotsky, editors.

Volume 43, (2001)  
**STABLE ISOTOPE GEOCHEMISTRY**

John W. Valley and David Cole, editors.

Volume 42, (2001)  
**MOLECULAR MODELING THEORY AND APPLICATIONS  
IN THE GEOSCIENCES**

Randall T. Cygan and James D. Kubicki, editors.

**Special offer from the  
Geological Society Publishing House**



• **Rock-forming minerals  
Volume 4A (Second edition)  
Framework Silicates: Feldspars**

by W.A. Deer (University of Cambridge, UK),  
R.A. Howie (University of London, UK) and  
J. Zussman (University of Manchester, UK)

This major revision takes place 38 years after the publication of the first edition. This volume in the second edition of the series Rock-forming Minerals is devoted entirely to the feldspar minerals. The text has been completely re-written and very much expanded, incorporating the advances in knowledge and understanding arising from the new and improved techniques for the study of minerals that have developed over the decades between editions. The authors have maintained the general approach used in the other volumes, summarizing important research results and presenting them in an organised fashion.

- ISBN 1-86239-081-9
- Published May 2001
- 984 pages
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The Lattice is published quarterly (February, May, August, November) by the Mineralogical Society of America. It is distributed to MSA members and subscribers 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 and Geochemistry* series; *The Lattice*; special subscription rates for *Mineralogical Abstracts*, *Physics and Chemistry of Minerals*, *Journal of Petrology*, *Rocks and Minerals*, and *Mineralogical Record*; 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 2003: professional members \$50; student members \$5. *American Mineralogist* subscription: members add \$35 (paper and electronic); \$10 electronic. Membership is on a calendar year basis. Individuals who join after January 1, 2003 will be sent all back issues of volume 88 for 2003.

Additional membership information and an application, and/or a price list of the Society's publications are elsewhere in this newsletter, or contact the Business Office.

Institutions may subscribe to the 2003 volume of *American Mineralogist* for the annual rate of \$580 in the US and \$600 for non-US addresses. The subscription price includes any new volumes of the *Reviews in Mineralogy and Geochemistry* series and issues of the *Lattice* published during the calendar year of the subscription. Payment must be received in full before a subscription will be started.

**2003 President:** Doug Rumble, Carnegie Institution

**Past-President:** Rodney C. Ewing, Univ. Michigan

**Vice President:** Michael A. Carpenter, University of Cambridge

**Secretary:** David Jenkins, Binghamton Univ.

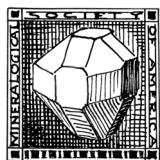
**Treasurer:** James G. Blencoe, Oak Ridge Nat. Lab.

**Editor of The Lattice:** Andrea Koziol, University of Dayton

**MSA Executive Director:** J. Alexander Speer

**Production Manager:** Rachel A. Russell

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## Notes from Washington

by J. Alexander Speer, MSA Executive Director

- Renewal notices for 2003 were sent to members and subscribers in November 2002. If you did not receive yours, please contact the Business Office. If you did, and have not yet returned it, please renew as soon as possible to save your Society the expense of a second renewal notice. You may also renew online.

- There are several ads that you may wish to pay closer attention to in this issue. Among them, the Geological Society London (GSL) is offering **Rock-Forming Minerals Volume 4A: Framework Silicates: Feldspars** by W. A. Deer, R. A. Howie, and J. Zussman to MSA members at at less than half prices for a limited time. The book was reviewed by Tony Morse in the 2002 August-September issue of *American Mineralogist*. Please see the GSL ad about contacting them for ordering instructions. There are two distributors of GSL publications and this approach permits MSA members both in the USA and elsewhere to participate in this offer.

- The Business Office often receives comments about nominees for MSA awards and offices, but usually after the fact. The opportunity for having a voice in these many decisions is now. Elsewhere in this issue is the list of 2003 Committee Chairs to contact regarding MSA Award and Office Nominations for 2004. More detailed information and instructions are also available on the MSA website. If you have suggestions, pass them on to the appropriate committee chair. Concrete suggestions from members make the committee's work easier. In some instances it is as simple as passing on a name. Award suggestions require more work because written nominations are required. I often hear the comment that MSA ought to consider so-and-so for a certain office or award. However, the person making the suggestion is too busy to make the recommendation themselves and believes someone else should. Seldom is that someone else identified, or do they come forward. To make sure someone you believe is deserving of an award is considered, make the nomination yourself.

- In this issue of *The Lattice* there is an announcement of the 2004 Grant for Research in Crystallography from the Edward H. Kraus Crystallographic Research Fund and the 2004 MSA Grant for Student Research in Mineralogy and Petrology Research from an endowment created by contributions from the MSA membership. For the 2003 grants there were 56 applicants, significantly up from 38 in 2002. This is the reason the Mineralogy/Petrology Research Grant committee was increased by one member. Only three could be funded, though many more were deserving.

- It has come to MSA's attention that in a few instances MSA members have been turning over their current journal issues to their institution's libraries. As a result, the institutional library sees no need to subscribe. MSA members are

entitled to reduced subscription rates to *American Mineralogist*, *Journal of Petrology*, *Mineralogical Abstracts*, *Physics and Chemistry of Minerals, Rocks and Minerals*, and *Mineralogical Record* with the understanding that the journals are for their personal use only – at least for an appropriate length of time. The reason for this is simple. MSA cannot publish *American Mineralogist* if every subscriber pays only the reduced member rate of \$35.

- The Spring 2003 Council Meeting and Dana Medal presentation will be at a joint meeting with The Clay Minerals Society, June 7–11, 2003 in Athens, Georgia. You can reach a description of the meeting, and register online through the MSA website, or directly at [www.gly.uga.edu/CMS2003](http://www.gly.uga.edu/CMS2003).

- There are two new MSA-GS publications - Reviews in Mineralogy and Geochemistry; Volume 49: *Applications of Synchrotron Radiation in Low-temperature Geochemistry and Environmental Science*, P. A. Fenter, M. L. Rivers, N. C. Sturchio, and S. R. Sutton, Eds. 579 pp. and Volume 50: *Beryllium: Mineralogy, Petrology, and Geochemistry*, Edward S. Grew, Ed. 691 pp. These are described more fully on the MSA website, and you can order your copy using the order form elsewhere in this issue, online, or by mail, e-mail, phone, or fax.

- Kevin Rosso reviewed Reviews in Mineralogy and Geochemistry volume 44 *Nanoparticles and the Environment in Clay and Clay Minerals* v. 50, pp. 681-682.

- After 84 years there is something new at MSA. The election for office of Secretary for the 2004-2005 term is contested, just like the offices of Vice-President and Councillor. Council decided at its fall meeting to aim for a contested election, and George E. Harlow, American Museum of Natural History, and John M. Hughes, Miami University (of Ohio) both have agreed to run. We appreciate their and the other candidates willingness to run. The complete slate of candidates for the 2003 election are given elsewhere in this issue of *The Lattice*. This additional contested election means it is even more important that you vote and return your ballot. The elected officers of the Society decide on its direction. A total of 635 ballots were cast in the 2002 election. This was comparable to returns from previous years.

Year	Returned	Eligible	%
2002	635	2320	27.4%
2001	587	1996	29.4%
2000	603	2117	28.5%
1999	511	1854	27.6%
1998	591	2219	26.6%
1997	673	2310	29.1%
1996	673	2450	27.5%
1995	713	2456	29.0%



## Call for nominations, continued from page 1

ies of workers exposed to different types of asbestos, that the six asbestos minerals do not pose the same level of health effects. In addition, the most common asbestos mineral—chrysotile—is much less dangerous than the amphibole varieties. In written communications and testimony to numerous scientific, government, and private organizations, he described the low health risk of chrysotile asbestos. Influential mineralogical and medical scientists then became aware of the relative health risks of asbestos motivating the U.S. Environmental Protection Agency to revise in 1990 the EPA guide to asbestos abatement in buildings. In this revision it is stated that most asbestos abatement is unnecessary (American Mineralogist, 1991, 76, 1743–1745).

**1991.** Catherine Skinner received the DPSA for her long term involvement with the public health sciences and particularly with the National Institute of Dental Research. Her mineralogical expertise was used to bring to the health professionals a better understanding the crystallography and crystal chemistry of collagen, bone, and teeth. She is a pioneer in a field we now refer to as biomineralogy—today a discipline of great importance to our society. In addition, Catherine also became involved in the asbestos issues and helped to educate health scientists, regulators, and lawyers on the relative health effects of the asbestos minerals. Catherine is first author (with M. Ross and C. Frondel) of the book *Asbestos and Other Fibrous Materials* (American Mineralogist, 1992, 77, 870–873).

**1993.** Paul Ribbe received the DPS Award for his extraordinary service to the Mineralogical Society of America and to the general geological community, including scientists, librarians, and educators. This award was made particularly for his 15 years tenure as editor of the *MSA Reviews in Mineralogy*. He was principal editor for six of these review volumes, copy editor for 25 volumes, and counselor for the organizers of the “short courses” for which most of the volumes were prepared. He was also editor for the MSA “Monograph” series. Publication of these short course review volumes and monographs have contributed greatly to the dissemination of mineralogical knowledge to our society and to the larger science community (American Mineralogist, 1994, 79, 775–778).

**1994.** Konrad Krauskopf is noted for many scientific accomplishments, but the DPSA was bestowed particularly

Continued on page 12

## IN MEMORIAM

Roland E. Bounds (Member - 1975)  
 Vladimir J. Bouska (Life Fellow - 1957)  
 James Finch (Life Member - 1947)  
 Takashi Miyano (Member - 1982)  
 George Phair (Life Fellow - 1943)  
 Harry Francis West Taylor (Life Fellow - 1959)  
 Russell G. Wayland (Life Fellow - 1942)  
 Pieter C. Zwaan (Fellow - 1961)

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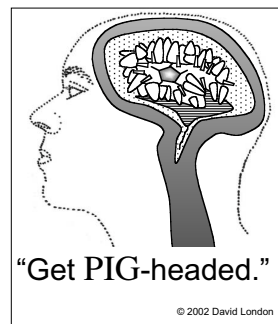
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 See ad pg 3.

# Pegmatite Interest Group



Are you interested in the mineralogy and geology of pegmatites? If so, visit the website for the Pegmatite Interest Group (PIG), hosted by the Mineralogical Society of America at

<http://www.minsocam.org/msa/Pegmatites.html>

Keep up on news, events, & information about pegmatites and their minerals. Current postings include a field guide to pegmatites in Madagascar, a report on a new elbaite-bearing pegmatite in the Italian Alps, and weekly updates on gem mining at the Cryo Genie pegmatite, southern California.

Send contributions to the PIG site in electronic formats only to Dr. David London (editor and MSA representative) at

[dlondon.ou.edu](mailto:dlondon.ou.edu).

## MSA Award and Office and Nominations

Member participation is essential to the formation and continuation of MSA programs. Involvement can take many forms, but for the moment we are asking you to nominate someone for an award, volunteer to serve on a committee next year, or offer your name or that of a colleague as a possible committee member or candidate for office. It is through the involvement of individual members that the Society's programs develop to meet the needs of its members. Please take a minute to read the brief descriptions below about needed candidates and consider making a nomination. More information about each award and the list of 2003 MSA Officers, Councillors, Committee members, MSA Fellows, and past awardees are available at the MSA website at [www.minsocam.org](http://www.minsocam.org). If there is someone you feel that should appear in one of those lists, and does not, contact the appropriate Committee Chair with your recommendations.

Award/Office	Deadline	Committee Chair
The <b>Roebbling Medal</b> is MSA's highest award and is given for eminence as represented by outstanding published original research in mineralogy.	June 1	Kathryn L. Nagy University of Illinois at Chicago Dept of Earth & Environ Sci 845 W Taylor St MC 186 Chicago, IL 60607-7059 phone: (312) 355-3276 fax: (312) 413-2279 e-mail: <a href="mailto:klnagy@uic.edu">klnagy@uic.edu</a>
The <b>Dana Medal</b> is intended to recognize continued outstanding scientific contributions through original research in the mineralogical sciences by an individual in the midst of their career.	June 1	Craig E. Manning Univ California-Los Angeles Dept Earth & Space Sciences 595 E Charles Young Dr Los Angeles, CA 90095-1567 Tel: (310) 206-3290 Fax: (213) 825-2779 e-mail: <a href="mailto:manning@ess.ucla.edu">manning@ess.ucla.edu</a>
<b>Mineralogical Society of America Award</b> is give for outstanding published contribution(s) prior to 35th birthday or within 7 years of the Ph.D.	June 1	Peter J. Heaney Dept of Geosciences Pennsylvania State University 309 Deike Bldg University Park, PA 16802-2711 ph: (814) 865-6821 fax: (814) 863-7823 e-mail: <a href="mailto:heaney@geosc.psu.edu">heaney@geosc.psu.edu</a>
<b>Distinguished Public Service Medal</b> is awarded for distinguished contributions to public policy and awareness about mineralogical topics.	June 1	Malcom Ross Dr. Malcolm Ross 1608 44th St NW Washington, DC 20007-2025 Tel: (202) 338-6572 Fax: E-mail: <a href="mailto:mrdrr@earthlink.net">mrdrr@earthlink.net</a>
<b>Society Fellowship</b> is the recognition of a member's significant scientific contributions. Nomination is undertaken by one member with two members acting as co-sponsors. Form required, contact committee chair or MSA home page.	June 1	J. G. Liou Stanford University Dept Geol & Environ Sci Palo Alto, CA 94305-2115 Tel: (415) 723-2716 Fax: (415) 725-2199 E-mail: <a href="mailto:liou@pangea.stanford.edu">liou@pangea.stanford.edu</a>
<b>MSA Offices</b> are open to any non-student member or fellow of the Society. One-year terms for President and Vice-President; two-year terms for treasurer and secretary; three-year term for Councillors.	June 1	Barbara L. Dutrow Dept. of Geology & Geophysics Louisiana State University Baton Rouge, LA 70803-4101 ph: (225) 578-2525 fax: (225) 578-2302 e-mail: <a href="mailto:dutrow@geol.lsu.edu">dutrow@geol.lsu.edu</a>
<b>Committee membership</b> is open to any member or fellow of the Society. Terms usually from one to six years. In addition to above committees, there are committees on Management, Meetings, Financial Advisory, Publications, Short Course, Tellers, Committee on Committees, Outreach, Arts Council. If you are interested in serving, contact the chair.	April 30	Michael A. Carpenter Dept. of Earth Sciences University of Cambridge Downing St. Cambridge CB2 3EQ United Kingdom ph: 1223-333483 fax: 1223-333450 e-mail: <a href="mailto:mc43@esc.cam.ac.uk">mc43@esc.cam.ac.uk</a>

## 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. Past AMU awardees are listed on the MSA website.

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 and have letters signed. 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. 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.

Brent Adam Albrecht  
University of Calgary  
Sponsored by Dr. David Pattison

Melissa Boyce  
Texas A & M University  
Sponsored by Dr. Robert K. Popp

Nicholas J. DiFrancesco  
State University of New York -Stony Brook  
Sponsored by Dr. Donald H. Lindsley

Katrina L. Pass  
University of California-Davis  
Sponsored by Dr. Alexandra Navrotsky

Karl S. Remsen  
Williams College  
Sponsored by Dr. Reinhard A. Wobus

Michael Andrew Sample  
Oklahoma State University  
Sponsored by Dr. Elizabeth Catlos

Eric Shullenberger  
Miami University  
Sponsored by Dr. John M. Hughes

William Joseph Wilmot  
University of Calgary  
Sponsored by Dr. David Pattison

## Invitation to Request an MSA Distinguished Lecturer for 2003-2004

Since its inception the Distinguished Lecture Program of the Mineralogical Society of America has proven to be a great success. The varied and interesting lectures presented by MSA Distinguished Lecturers have been appreciated by students and faculty at many colleges and universities in the United States, Canada and Europe. The Council of the Mineralogical Society is again offering the program for the 2003-2004 academic year with the arrangement that the MSA will pay travel expenses of the Lecturers, and the host institutions will be responsible for local expenses, including accommodation and meals. Again this year, the program will include 3 lecturers, one of whom resides in Europe, and MSA encourages European universities to request lecturers. Depending on the response, one or more lecture tours will be arranged in Europe.

Names of the 2003-2004 Distinguished Lecturers and their lecture titles are not yet available, but they will be posted soon on the MSA Web site:

[http://www.minsocam.org/MSA/Lecture\\_Prog.html](http://www.minsocam.org/MSA/Lecture_Prog.html)

If your institution is interested in requesting the visit of a MSA Distinguished Lecturer (a new request is required each year), check the Web site for lecturers and titles and e-mail your request to the Lecture Program Administrator: *Dr. Helen M. Lang, Department of Geology & Geography, P.O. Box 6300, West Virginia University, Morgantown, WV 26506-6300 USA, e-mail: hlang@wvu.edu, Tel: 304-293-5603 ext. 4312, Fax: 304-293-6522*. The Lecture Program is designed to run from September, 2003, through April, 2004. Lecturer requests received by **May 12, 2003**, will be given priority. Late applications will be considered on a space-available basis. In making your request please include (1) airport proximity from, and travel time to, your institution, (2) the name of a contact person at your institution for the months of May and June (when Lecturer schedules will be assembled), (3) contact e-mail addresses and phone numbers, and (4) flexibility on Lecturer preference. (5) Schools outside the U.S. should indicate starting and ending dates of academic terms. Please note that because of travel and schedule constraints it is normally not possible to satisfy requests for tightly constrained dates such as seminar days.

## To the Lattice Editor: Memories of A.O. Woodford

I enjoyed Rod Ewing's reflections about "mineralogists past," in August 2002's *Lattice*. I wish to add to his portrait of Professor A.O. Woodford, of Pomona College.

Alfred Oswald Woodford was a major reason I—like many others—became a geologist. Woody (as everyone referred to him, but students *never* directly addressed him) was 85 years old in 1975, when it was decided I would become his Girl Friday. Woody was trying to finish USGS Professional Paper 420-D, on the Santa Ana Mountains. It was lagging behind 420A, B, and C by about 10 years, owing primarily to the rapid promotion of its first author (a Pomona alum) within the USGS, and consequently, to his lack of time for writing. 1975 now seems so very far away.

To complete the project, I drove Woody to field-check localities in my mother's metallic-sea-blue, 1963 Chevy Bel-Air station wagon. Openmouthed, I witnessed an 85-year-old man dive under a barbed wire fence on the Irvine Ranch. "They're not going to arrest an old man like me for trespassing." I dove after him, thereby learning a dirty little secret of field geology (mostly, it's easier to apologize if caught than to ask permission to trespass). Riding home in Mom's car, Woody asked me, "Sorena, have you ever read a book by Jane Austen called *Emma*?" I later tried, but the story didn't grab me. I couldn't appreciate it, being too young and romantic to relish how Emma's manipulative nature gets the better of her. However, I was amazed that an old, professionally distinguished geologist (male, like most of his cohort) would reread a comedy of manners with joy, let alone recommend it to a young, female geology student! I did learn Woody's real lesson. Fiction has never left my life, and I try to browbeat students I meet to include it in theirs.

As Woody's helper, I trespassed (we weren't caught that first time; the day we were, Woody talked us out of trouble), typed manuscript drafts (using up half the Department's yearly supply of correcting tape in a few weeks), drafted figures with a K & E Leroy lettering device and a straight edge, (learning what little patience I possess, and again consuming supplies), and typed bibliographic cards (I had discovered Wite-Out by then). It now seems as if I did so little for Woody, and I did it poorly.

Our childhood homes were only two blocks (but about 1 mile!) apart, in Upland, California, but unlike me, Woody was a true California aristocrat, who arrived when the landscape was one big citrus grove. He went to Berkeley—not "back East"—for graduate education after matriculating from Pomona, Class of 1913. I remember seeing his class picture in my dorm, and wondering how he had escaped the ravages of WW I. I never had the nerve to ask. Indeed, I now regret I never learned much about his personal history. In contrast, Woody had my number from our earliest days together.

He was a bibliophile, and as the scion of a wealthy citrus family (he was related to what would become Sunkist), Woody indulged this passion. He assembled a fantastically valuable collection of rare geology books, while traveling in Europe during the Depression. I'm fairly sure it was he who arranged for me to have extraordinary borrowing privileges in that collection. At age 18, I took to my room and read, turning pages with my bare

hands, the incredibly rare 1671 English translation of "*The prodromus of Nicholas Steno's dissertation concerning a solid naturally contained within a solid*." I now shudder to think of the financial repercussions had I lost or damaged that book. Reading the *Prodromus* was a watershed experience. I not only learned my Steno, Playfair, and Lyell; I learned from original texts. I became a lover of rare books, the first to volunteer for library committees, and a staunch defender of libraries.

Woody initiated new research of his own while I worked for him. Although he had taught Mason Hill, one of the first to propose (with Tom Dibblee) that large-scale strike slip had occurred on the San Andreas Fault, Woody was a vehement opponent of plate tectonics. In the 70s, he attempted to show that the San Andreas Fault couldn't be the boundary between the North American and Pacific Plates. I worked on preliminary maps for drafts of one such paper, which dealt with obscure geometrical reasoning about poles of rotation. Oddly enough, Woody may have turned out to be partly correct about the fault, albeit for the wrong reasons. His last paper on this subject was published in 1977, in *Geology*. His last papers appeared in 1980, when he was 90 years old.

Woody was the first to admit that he did what he did because the beauty of rocks in thin section was glorious, and because research was fun. In 1956, he even wrote those sentiments down, when he received the Neil Miner award in from the National Association of Geology Teachers. I read his acceptance speech (*Jour. Geol. Ed.* 4: 5-8) as an undergraduate. Getting written permission from Woody to indulge my own love for the beauty of the geological world and to take joy in research was wonderfully liberating!

Woody was generous. When my personal finances collapsed in 1976, I took an additional job off-campus, to pay a \$500 tuition bill. I soon became dangerously thin, and I couldn't concentrate on my work. Woody wrote a personal check to me for \$500. I received this huge sum from the department secretary, who told me not to mention the subject to Woody, as he didn't like being thanked, and not to try to repay him. (Much later, I reimbursed the Geology Department's Woodford Fund.) After bailing me out, Woody got me hired part-time by the USGS, to help him and the folks involved with the professional paper with yet other tasks. Woody's benevolent USGS co-conspirators kept me employed, in an arrangement that lasted through the first years of graduate school. I later learned that both Woody and his wife Gwen had financially assisted some of these fellows out when they had been students strapped for funds, at the end of WWII.

Professor A.O. Woodford retired from Pomona College a year before I was born. He taught and nurtured geology students there starting in the 1910s, and that activity didn't end with his retirement. Woody gave me memories to reflect upon through a lifetime. These days, I think that his most important lesson was unstinting generosity: everything we give to young people will be paid back to our science, from generation to generation.

Regards,  
Sorena Sorensen  
2 January 2003



From the editors:

## Reviewing the need for Reviewers

by Lee A. Groat and Robert F. Dymek, American Mineralogists Editors

Recently the Editors, and many of the Associate Editors, are having a difficult time finding persons who will agree to review manuscripts. We don't know why this is the case, but we suspect that the pool of potential reviewers is shrinking due to retirements, and those who remain are finding themselves increasingly busy. However, peer-reviewed journals such as *American Mineralogist* rely on reviewers. Our quality will suffer without fast, conscientious reviews. More importantly, authors will risk embarrassment if avoidable mistakes get into print.

It might help to review the editorial/review process. When a new manuscript is submitted to *American Mineralogist*, the first thing we do is decide on an Editor (Bob or Lee). The next step is to assign the manuscript to an Associate Editor. The exceptions are manuscripts submitted as Letters, those papers for which there is no suitable AE, and those for which all suitable AEs are already handling >5 manuscripts; in these cases, Bob or Lee act as the Associate Editors.

So when you submit a manuscript to *American Mineralogist*, the Associate Editor (or Editor) handling your manuscript has to find two reviewers. This means that for every manuscript you submit, you should review at least two others. Most authors are very conscientious about this arrangement, but there are some glaring exceptions. With AllenTrack, we can keep track of submission/review ratios. When AllenTrack tells us that an individual submits a lot of

manuscripts but rarely (or never) does reviews, we plan to contact that individual and remind her/him of their responsibilities. If you can't review a manuscript (for reasons of health, etc.), then after pressing the "decline" button, press "reply" to let the AE know why. Or put a note into your "profile" by logging in, selecting "update profile," and then scrolling to the bottom to use the "what am I willing to review" box to write a short comment. Obviously everyone can use this box to ensure that their requests to review are on appropriate topics, that is, those of interest to you!

When everything works optimally, the submission-to-publication queue time can be extremely fast. The record to date is nine days (!) from electronic submission to receipt of the revised manuscript incorporating the reviewer's suggestions. Some sub-disciplines are better at this than others; for example, the NMR community appears to be a particularly conscientious group of individuals. On the other hand, some of our \_\_\_\_\_ friends are real slowpokes!

We offer a novel solution to the reviewing problem. We ask every author to skip one department/faculty/unit meeting in 2003 and review a manuscript for *American Mineralogist* instead. We all know that most such meetings are a complete waste of time anyway, and if you get in trouble you can always blame us ("Bob/Lee/Rachel made me do it"). If we all do this, the reviewing problem should disappear. Happy 2003!

## Thank you Reviewers of 2002

The quality of the journal depends on the hard work and generosity of our reviewers. Reviewers analyze papers for errors and omissions in science methodology, research, explanations and so on. They determine if the discussion is complete and sensible. They offer advice on the organization and grammar involved with creating a paper that the author can be proud of. No one stands alone in science: all authors owe thanks, as we do, for our thoughtful and critical reviews. *This list is as complete as possible and generally reflects only "finished" papers not those still in the system.*

Agee, C.	Berry, A.	Burruss, R.	Cooper, M.	Eiler, J.
Aja, S.	Bertoldi, C.	Buseck, P.R.	Cooper, R.	Elliot
Akizuki, M.	Bickmore, B.	Butler, I.	Corrales, R.	Essene, E.
Alpers, C.	Bismayer, U.	Cahill, C.	Craig, J.R.	Evans, B.
Altaner, S.	Blank, J.	Cahill, D.	Crocombette, J.P.	Fechtelkord, M.
Amthauer, G.	Blum, A.	Calas, G.	Cygan, R.T.	Ferrer, J.
Anderson, A.	Blundy, J.	Carey, B.	Dahl, P.	Fischer, R.X.
Anderson, L.	Bodnar, R.	Carmichael, D.	Dalton, J.	Fleet, M.
Anderson, O.	Boehler, R.	Casey, W.H.	Daniels, E.	Francis, C.
Angel, R.	Boffa Ballaran, T.	Catanzaro, P.	Darling, B.	Franzreb, K.
April, R.	Boudreau, A.	Ceraham, C.	DeCarli, P.	Freude, D.
Aronson, J.	Bozhilov, K.	Cerny, P.	Delany, J.	Friedrich, A.
Arovitz, L.	Brandt, J.	Chakoumakos, B.	Delville, A.	Fritsch, E.
Artioli, G.	Brearely, A.	Cheney, J.	Dera, P.	Frost, R.
Badro, J.	Brenan, J.	Cherniak, D.	Dixon, J.	Fulton, J.
Balan, E.	Brigatti, M.F.	Chopelas, A.	Dódon, I.	Gaetan, G.
Barbier, J.	Brophy, J.	Chopin, C.	Dollase, W.	Gaite, J. M.
Baronnet, A.	Brown, J.	Chou, I.-M.	Dove, M.	Gale, J.
Barwood, H.	Brown, K.	Chryssikos, G.	Downs, J.	Galoisy, L.
Beard, A.	Brown, P.	Clarke, D.	Downs, R.T.	Gardner, J.
Behrens, H.	Brugger, J.	Cohnston, J.	Dupree, R.	Gasparik, T.
Beran, A.	Buckley, A.	Collins, A.	Dyar, M.D.	Gavarri, J.R.
Beran, T.	Burkhard, D.	Collison, D.	Eades, A.	Geiger, C.
Berlepsch, P.	Burns, P.	Comodi, P.	Ehm, L.	

Continued on page 11

## Time to send *American Mineralogist* a paper

by Rachel A. Russell, Managing editor

The beginning of the year always seems like a good time to remind people to submit papers to the *American Mineralogist*. Unlike a RIMG volume, we are open to submissions the whole year and on any topic in the world of mineralogy, petrology, crystallography—everything! Submission are accepted now via the web at <http://minsocam.allentrack.net>.

If you have been nervous about submitting over the web, let me reassure you. There are only two basic actions involved and I suspect everyone has done them on the computer before. First, if you have ever attached a document or photo (that picture of the kids), to an email and sent it off to someone, then you have “uploaded” a file to the web. Second, when you bought something over the web—Amazon.com, e-bay, or airline tickets—then you had to type in your name and contact info and click a few buttons.

Submitting a paper is pretty much the same deal: (1) type in some data, (2) upload some files. Then off you go to do your other tasks.

After you have uploaded the files the computer will ask you to put the files in order for the merge document. In other words, you upload 1 text and figure caption file in MS Word, 3 table files in MS Excel, 1 figure in tiff, and 5 figures in eps. We don’t want the overworked editors and reviewers to have to open 10 files! Plus, we don’t editors and reviewers to be dealing with all those formats! So you tell the computer what order the stuff goes in, and it converts it all to one big PDF file: now there is 1 file to open, and 1 format that is universal. And the computer did all the work!

Let the computer do the work, by the way. I know many authors are clever enough to insert the tables and figures into the text file. I know many authors are even clever enough to create a PDF file to upload. But if and when your paper is “accepted”, I can’t use the PDF file to create layouts. I need Word, tiff, eps type files. Not that you need to worry about this phase so much when submitting, but the point is don’t go to a lot of trouble trying to make things simple. We’re trying to make things simple for you!

Full instructions for the preparation of the manuscript are on <http://www.minsocam.org/MSA/AmMin/instructions.html> and instructions and help files for submitting via Allentrack are right on the Allentrack site.

### Frequently-Asked Questions

The most frequently asked question is “My computer keeps crashing, or keeps taking me back to the log-in page.” Cookies need to be on and Java enabled for AllenTrack to work. A current version of Netscape or Explorer is also needed (higher than 4.7 for Netscape). How fast it will work will depend on your computer and your internet connection.

The second most frequent question recently is “It is so tedious typing in all the contact info for the co-authors; do

you really need this?” Yes, we really do need the info for several reasons. First off, the corresponding author should have all the contact data for his co-authors, and perhaps even be able to cut-and-paste this information into the lines provided. If something happens to the corresponding author, then we contact the co-authors to prevent the paper from languishing. Finally, all authors have a responsibility to be reviewers. The whole system of peer review really depends on everyone helping out. By building up a database of names and contact information, we are hoping to make it easier for the associate editors to find reviewers.

One of the advantages of web submission is that authors can “log in” and check their progress, and they can send their associate editor, editor, or staff a message very easily. Statistically, so far at least, there has been a speed advantage. The average time from submission to publication normally is about 12 months; for the web papers so far that have completed this cycle (projecting some dates) it is about 8 months.

So submit those papers!

**May 2003 Lattice**

**DEADLINE:**

**April 15, 2003**

Andrea Koziol: e-mail:

[Andrea.Koziol@notes.udayton.edu](mailto:Andrea.Koziol@notes.udayton.edu)

## Full-Time President/Director Consortium For Materials Properties Research in Earth Sciences (COMPRES)

COMPRES, a community-based initiative funded by the National Science Foundation, seeks a full-time President/Director.

The COMPRES initiative has as its major objectives the facilitation and development of an infrastructure for community efforts in geological materials research, much of it at high pressures and temperatures. Examples include support and enhancement of community beam-line facilities, development of standard community experimental protocols and materials sources, and educational outreach activities. The Director will be the Chief Executive Officer, working in conjunction with a steering committee, with the goal to advance the aims of the COMPRES initiative. Initially COMPRES headquarters will be at Stony Brook University/SUNY.

**Duties:** Interact with funding agencies; oversee COMPRES operations at national facilities; oversee COMPRES development projects; organize and lead COMPRES meetings; oversee COMPRES budget.

**Qualifications:** Ph.D. in Mineral Physics and national recognition and reputation for accomplishments in this field, as well as demonstrated leadership, administrative abilities and strong interpersonal skills required. Familiarity with the operations of national facilities preferred.

**Applications may be sent to:** Dave Walker, Lamont-Doherty Geological Observatory, Columbia University, Palisades, NY 10964  
E-mail: [dwalker@ldeo.columbia.edu](mailto:dwalker@ldeo.columbia.edu). Applications will be accepted until the position is filled. Desired starting date of May 1, 2003. AA/EOO



**Reviewers, Continued from p. 9**

Geisler, T.	Kahlenberg, V.	Mottana, A.P.	Schmidt-Beurmann, P.	Teppen, B.
Gerlach, T.	Kakegawa, T.	Mountain, B.	Schroeder, P.	Thomas-Keprta, K.
Gerson, A.	Kavner, A.	Mysen, B.	Schumacher, J.	Toplis, M.
Ghent, E.	Keil, K.	Nadeau, P.	Schuthese, C.	Tossell, J.
Ghose, S.	Knorr, K.	Nagy, J.	Schwandt, C.	Treiman, A.
Gies, H.	Koch-Muller, M.	Nasdala, L.	Scott, S.D.	Treloar, P.
Giese, R.	Kogel, J.	Nesbitt, W.	Seward, T.	Tribaudino, M.
Giuli, G.	Kolesov, B.	Newman, S.	Sharp, T.	Trout, C.
Glasman, J.	Koziol, A.	Newville, M.	Sharp, Z.	Trzcienski, W.
Glinnemann, J.	Krasovskii, E.	Nolan, R.	Sherman, D.	Veblen, D.
Gordon, T.	Kronenberg, A.	Nordstrum, K.	Sherriff, B.	Velbel, M.
Goryainov, S.	Kubicki, J.	Oberti, R.	Shieh, S.	Verkouteren, J.
Grathoff, G.	Labotka, T.	Okay, A.	Sisson, J.	Vezzalini, G.
Greffié, C.	Labor, G.	Olysen, B.	Skage, H.	Vidal, O.
Greshake, A.	Lahann, R.	Pan, Y.	Skogby, H.	Vohra, Y.
Grew, E.	Lalonde, A.	Pasternak, M.	Smith, J.V.	Walker, D.
Griffen, D.	Lamb, W.	Pattison, D.	Smyth, J.	Warren, P.
Gualtieri, A.F.	Lance, M.	Peacor, D.	Sokolova, E.	Waychunas, G.
Guggenheim, S.	Lang, H.	Pelton, A.	Sowa, H.	Weaver, R.
Guidottil, C.V.	Lee, M.	Perchiazzi, N.	Sparks, D.	Weber, W.
Hacker, B.	Leeman, W.	Peterson, R.	Spear, F.	Webster, J.
Haines, J.	Leroux, H.	Petit, S.	Speziale, S.	Welch, M.
Hall, C.	Leshner, C.	Phillips, B.	Spivack, A.J.	Wenk, H.-R.
Hammer, J.	Li, B.	Piccoli, P.	Srodon, J.	White, W.
Hanchar, J.	Libowitzky, E.	Piilonen, P.	Stahl, K.	Wicks, F.
Hanttsch, U.	Lin, J.	Plancon, A.	Stebbins, J.	Wildner, M.
Harrison, R.	Liou, J.	Pooge, M.	Steele, I.	Wilkin, R.T.
Hawthorne, F.	Litterst, J.	Popp, R.	Stowell, H.	Williams, P.
Heaney, P.	Liu, G.	Pósfai, M.	Strongin, D.	Wogelius, R.
Hejny, C.	Locock, A.	Post, J.	Stucky, G.	Wood, S.
Hemley, R.	Lofgren, G.	Powell, R.	Sturchio, N.	Wopenka, B.
Henderson, G.	Lonenstrom, J.	Putnis, A.	Suib, S.	Wright, K.
Henderson, M.	Luhr, J.	Rager, H.	Sutton, R.	Wylie, A.
Henry, D.	Luise, M.	Rakovan, J.	Swihart, G.	Yang, H.
Hessing, G.L.	Luth, R.	Rancourt, D.G.	Swope, J.	Yuretich, R.
Heubner, S.	Mackenzie, F.	Redfern, S.	Sykes, D.	Zemann, J.
Hewins, R.H.	Madejova, J.	Redhammer, G.	Syono, Y.	Zhang, M.
Higgins, M.	Marsh, B.	Reeder, R.	Taran, M.	Zolensky, M.
Hodges, K.	Martinez, I.	Reynolds, B.		
Hofmeister, A.	Mason, R.	Righter, K.		
Holdaway, M.	Matsubaya, O.	Rivers, M.		
Hollocher, K.	McCarty, D.	Robeson, H.		
Holstam, D.	McKeown, D.	Rogensack, K.		
Homeyer, J.	McLain, A.	Ross, M.		
Howard, C.	Medici, L.	Ross, N.		
Hughes, J.	Mellini, M.	Rossmann, G.		
Hytha, M.	Mereiter, K.	Rosso, K.		
Icenhower, J.	Merino, E.	Rubin, A.		
Ingrin, J.	Merzbacher, C.	Rutherford, M.		
Isaak, D.	Meyer, H.	Rutstein, M.		
Jambor, J.	Milman, V.	Sack, R.		
Jenkins, D.	Minarik, W.	Sager, D. M.		
Johnson, C.	Mobilio, S.	Salter, V.		
Johnson, E.	Montana, A.	Sarazge, K.		
Jones, B.	Moore, D.	Schmid-Banc, P.		
Jung-Fu Lin	Morgan, G.			

**AM MIN STATS AT A GLANCE (FOR JANUARY)**

No. of Pending "Web" Manuscripts (on 28-Jan-2003): 111  
 No. of New "Web" Manuscripts Submitted: 20  
 No. of Accepted "Web" Manuscripts: 13 (queued 10)  
 No. of Declined "Web" Manuscripts: 6  
 No. of Withdrawn "Web" Manuscripts: 2  
 No. of revisions pending: 56  
 No. of Total Pending Manuscripts, all systems: 177

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 --Handy instructions and help files for each step  
 --Most file formats accepted!

**DPS award call, Continued from page 5**

for his publication of several influential and widely circulated textbooks, including *Fundamentals of Physical Science*, *The Physical Universe*, *Introduction to Geochemistry*, and *Radioactive Waste Disposal and Geology*, and for his ten years service as a member and then head of the National Academy of Sciences/National Research Council Board on Radioactive Waste Management. He was influential in putting together an Academy report on this subject, addressing a national need in this very critical and controversial problem of how and where to store radioactive materials (American Mineralogist, 1995, 80, 857–860).

**1996.** Robert Tilling received the Society's DPS Medal for his meritorious service to the nation in explaining, through the presentation of many public and scientific talks and preparation of informative booklets, the nature of volcanism and the possible hazards of volcanic activity to people and public and private facilities. Particularly important was his U.S. Geological Survey booklets explaining, in terms the public could understand, the volcanic activity of Mount St. Helens in Washington State and in the Hawaiian Islands. In addition, Robert had a leadership role at the U.S.G.S. in the design and implementation of programs for volcanic hazard mitigation, both domestic and international (American Mineralogist, 1997, 82, 833–835).

**1998.** Daniel Appleman was awarded the DPS Medal (posthumously) for work he entered into during the second stage of his scientific career—the planning and implementation of major museum exhibits, bringing to the public the beauty of scientific discovery. At the National Museum of Natural History in Washington D.C., Dan was the principal organizer of the Moon Hall which displayed the lunar rocks collected on the Apollo missions. He later made important contributions to the mounting of the Dinosaur Hall and the “Magnificent Voyagers” exhibit, the latter telling the story of the Charles Wilkes expedition of 1838–1842. In 1993 Dan became director of the Cranbrook Institute of Science in Bloomfield Hills, Michigan where he directed a \$1.2 million addition to the Cranbrook Museum complex (American Mineralogist, 1999, 84, 1205–1208).

**1999.** Robert Howie is known to mineralogists throughout the world as the long time editor of *Mineralogical Abstracts*, writing as many 1600 abstracts per year right up to the present. His encyclopedic knowledge of the mineral literature was an important factor in the success of the publication of the legendary five volume *Rock-Forming Minerals*, co-authored with W.A. Deer and Jack Zussman. This publi-

cation, covering all aspects of mineralogy, petrology, and crystallography of the major rock-forming minerals, is perhaps one of the most influential mineralogical publications of recent years. It is for these extraordinary contributions to the mineralogical profession that Dr. Howie received MSA's DPSA (American Mineralogist, 2000, 85, 1100–1102).

**2000.** Richard Fiske is particularly noted for his communication skills in bringing an understanding of volcanic processes to the public during his leadership position at the U.S. Geological Survey and later at the Smithsonian Institution. He was involved with a video production of the eruptions of the Hawaiian volcanoes and helped to prepare a teachers guide to accompany this video. Dick has appeared on numerous television programs discussing the nature of volcanism, has submitted dramatic and informative photographs of volcanoes to various popular magazines, and was a major contributor to the exhibit section on volcanism at the Smithsonian's Janet Annenberg Hooker Hall of Geology, Gems, and Minerals. For these public service efforts Dick was awarded the DPSA (American Mineralogist, 2001, 86, 952–953).

**2001.** Jeffrey Post, curator of Gems and Minerals at the National Museum of Natural History, spent nearly ten years leading a team effort to completely reconstitute the antiquated mineralogy exhibits into a truly modern display of gems and minerals and geologic processes. The new Janet Annenberg Hooker Hall of Geology, Gems, and Minerals opened in late 1997 and was much acclaimed by its clarity of design and great style. Jeff visited many museums to learn the most effective ways of presenting the “mineralogical story” to a diverse audience and also contacted many potential donors to help finance the exhibit. For this public service and other service to the mineralogical community he received the DPS Medal (American Mineralogist, 2002, 87, 796–798).

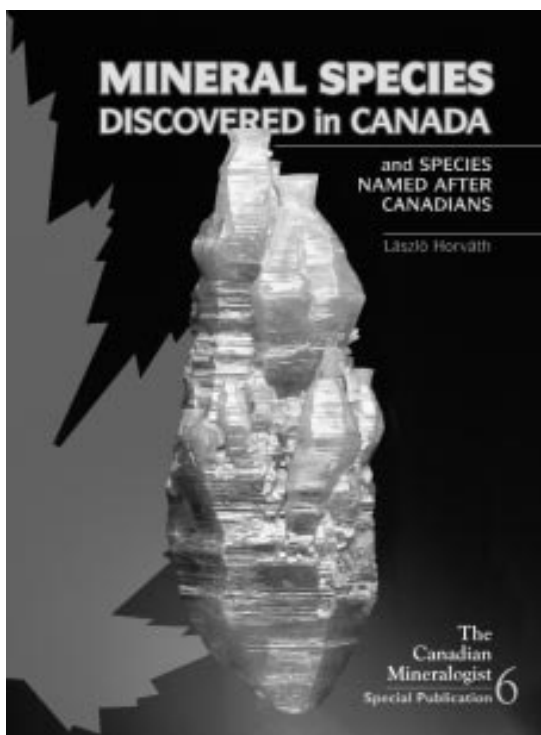
It is hoped that this year we can receive additional nominations for the DPSA for we have a limited number of carryover nominations. A full description of this award and the nomination procedure can be found at the following MSA web site: [http://www.minsocam.org/MSA/Public\\_Service.html](http://www.minsocam.org/MSA/Public_Service.html). The nominator, and all individuals writing letters of support, should send one original and a readable electronic version of their correspondence to the Committee chairman. In that way much of the committee work can then be done by e-mail. If an electronic version is not feasible the original and seven copies of the complete nomination package should be sent to the Committee chairman.

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## NOW AVAILABLE Special Publication 6

### Mineral Species Discovered in Canada and Species Named after Canadians

by László Horváth

This annotated and illustrated compendium focuses on the 206 mineral species discovered in Canada or redefined from Canadian localities in the last 222 years. It also highlights 30 minerals named after Canadians but discovered outside Canada, and includes a section on obsolete names of mineral species first described from Canadian localities.

The book also gives a brief historical overview of works documenting mineralogy in Canada from its beginnings in 1752 to the present. Appendices providing the

chronology of mineral discoveries, individual type-localities, type-mineral specimens and their repositories, chemical classification of type minerals, an author index, and general references complete the book.

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**Braun, Mr. Michael G.**, Woods Hole Oceanographic Inst, Woods Hole MA. (Student - 1/1/03).

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The following individuals reach 50 or 25 years of continuous membership in the Society during 2003. Their long support of the Society is appreciated and is recognized by this list and by 25- or 50-year pins mailed in early January. If you should be on this list and are not, or have not received your pin, please contact the Business Office.

### 50-year Members

Dr. Jose L. Amoros  
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Mr. Koichi Takeuchi  
Dr. Richard P. Tollo  
Dr. Barry A. Wechsler  
Dr. Lucian W. Zelazny  
Dr. Janet A. Zilczer

## MSA List Servers

MSA has two main list servers. One is the MSA-Talk list created for members of MSA by John Brady to discuss topics of interest in the general areas of mineralogy, petrology, and crystallography. There is much of interest here - mineral-related questions and answers (especially help requested by MSA's own Ask-a-Mineralogist), announcements about meetings and courses, job opportunities with short lead times, etc. This is a voluntary list server. You can subscribe either online, on your membership renewal, or by contacting the MSA Business Office. Any subscriber can send messages to the list, and can also un-subscribe at any time. Instructions are at [http://www.minsocam.org/MSA/MSA\\_Talk.html](http://www.minsocam.org/MSA/MSA_Talk.html).

The other MSA list serve is something called MSA-Announce. It includes all MSA members from who we have e-mail addresses. It is very restricted in its use. It is used for announcing when a new issue of *American Mineralogist* is placed online, and when it is possible to electronically renew your membership. This means it is used 9 times a year. We do piggy back other announcements about new *Reviews* volumes, meetings, and short courses in these messages. But otherwise, MSA tries to spam its members sparingly.

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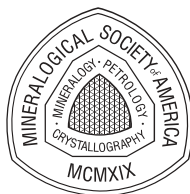
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The Grant for Research in Crystallography is a US\$5000 grant. There are no restrictions on how the grant funds may be spent, as long as they are used in support of research. The only restrictions on eligibility for the grant are that the applicant must have reached his or her 25th birthday but not yet have reached his or her 36th birthday on the date the grant is given, and that the person is not a MSA Counselor.

MSA Grants for Student Research in Mineralogy and Petrology comprise two US\$5000 grants. Students, including graduate and undergraduate students, are encouraged to apply. There are no restrictions on how the grant funds may be spent, as long as they are used in support of research.



Selection will be based on the qualifications of the applicant, the quality, innovativeness, and scientific significance of the research, and the likelihood of success of the project. Grants will be made in January 2003. There are no restrictions on how the grant funds may be spent, as long as they are used in support of research. Application instructions and forms for the grants may be obtained from the MSA home page, <http://www.minsocam.org> or Dr. J. Alex Speer, MSA Business Office, 1015 Eighteenth St NW Ste 601, Washington, DC 20036-5212, USA (ph: 202-775-4344, fax: 202-775-0018, e-mail: [j\\_a\\_speer@minsocam.org](mailto:j_a_speer@minsocam.org)). Completed applications must be received by June 1, 2003.

## Meetings Calendar 2003

### 2003

#### April

**7-11 2003 EGS-AGU-EUG Joint Assembly.** Nice, FRANCE. Details: AGU Meetings Department, 2000 Florida Avenue, NW, Washington, DC 20009 USA. Phone: +1-202-462-6900; Fax: +1-202-328-0566. Email: [meetingsinfo@agu.org](mailto:meetingsinfo@agu.org). Web page: <http://www.agu.org/meetings/>

**15-16 The Mineralogical Society Spring meeting.** Glasgow University, Scotland. Details: Martin Lee or Tim Dempster. Email: [leemarti@earthsci.gla.ac.uk](mailto:leemarti@earthsci.gla.ac.uk) or [tjd@earthsci.gla.ac.uk](mailto:tjd@earthsci.gla.ac.uk). Web page: <http://www.minersoc.org/pages/meetings/Socspring.htm>.

**21-25 Materials Research Society Spring Meeting.** San Francisco, CA, USA. Details: Materials Research Society, 506 Keystone Drive, PA 15086-7573, USA. Tel: 724-779-3003. Fax: 724-779-8313. E-mail [info@mrs.org](mailto:info@mrs.org). Web page: [http://www.mrs.org/meetings/future\\_meetings.html](http://www.mrs.org/meetings/future_meetings.html)

#### May

**11-14 AAPG Annual Convention and Exhibition.** Salt Lake City, UT. Email: [convene@aapg.org](mailto:convene@aapg.org). Web page: <http://www.aapg.org/meetings/slc03/index.html>

**12-16 GeofluidsIV: Fourth international conference on fluid evolution, migration and interaction in sedimentary basins and orogenic belts.** Utrecht, The Netherlands. Details: Mrs. Marielle Hoogendoorn, FBU Congress Bureau, Utrecht University, P.O. 80125, 3508 TC Utrecht, The Netherlands.

Fax +31 30 253 58 51. E-mail: [m.hoogendoorn@fbu.uu.nl](mailto:m.hoogendoorn@fbu.uu.nl). Web Page: <http://www.nitg.tno.nl/eng/geofluids/index.shtml>

**18-24 39th Forum on the Geology of Industrial Minerals.** Reno-Sparks-Tahoe, Nevada. Details: Dennis Bryan, 775-856-3833, [dbryan@converseconsultants.com](mailto:dbryan@converseconsultants.com) or Stephen Castor, Nevada Bureau of Mines and Geology, 775-784-6691 ext. 146, [scastor@unr.edu](mailto:scastor@unr.edu). Web site: <http://134.197.46.69/imf/>

**25-28 Vancouver 2003: joint annual meeting of the Geological Association of Canada, the Mineralogical Association of Canada and the Society of Economic Geologists.** Vancouver, Canada. Details: VANCOUVER 2003, C/O Venue West Conference Services Ltd., 645-375 Water Street, Vancouver, B.C. Canada V6B 5C6. Tel.: 604-681-5226; Fax: 604-681-2503. Email: [Vancouver2003@nrcan.gc.ca](mailto:Vancouver2003@nrcan.gc.ca). Web page: <http://www.vancouver2003.com>.

**May 29-June 1 Geology Without Frontiers: Magmatic and Metamorphic Evolution of the Central European Variscides.** Blansko, Czech Republic. Details: Dr. Jaromir Leichmann, No Frontiers, Dept. of Geology and Palaeontology, Masaryk University, Kotlarska 2, 611 37 Brno, Czech Republic. Phone: +420 (5) 41 12 92 61; Fax: +420 (5) 41 21 12 14. e-mail: [cgs@mail.natur.cuni.cz](mailto:cgs@mail.natur.cuni.cz). Web page: <http://www.natur.cuni.cz/~cgs/nofrontiers>.

#### June

**4-6 17th Biennial European Current Research on Fluid Inclusions (ECROFI**

**XXVII).** Budapest, Hungary. E-mail: [ecrofi17@geology.elte.hu](mailto:ecrofi17@geology.elte.hu). Web site: <http://ecrofi17.geology.elte.hu/>

**4-15 High Pressure Crystallography.** Erice, Italy. Details: Andrzej Katrusiak, Dept of Crystal Chemistry, Adam Mickiewicz University, ul. Grunwaldzka 6, 60780 Poznan, Poland. Phone : +48 61 86 99 181 Fax : +48 61 86 58 008. E-mail: [katran@amu.edu.pl](mailto:katran@amu.edu.pl). Web page: <http://www.geomin.unibo.it/orgv/erice/highpres.htm>.

**7-11 40th meeting of the Clay Minerals Society.** Athens, Georgia USA. Details: Paul A. Schroeder, University of Georgia, Department of Geology, Athens, GA 30602-2501, USA. Phone: (706) 542-2384. Email: [schroe@gly.uga.edu](mailto:schroe@gly.uga.edu). Web page: <http://www.gly.uga.edu/CMS2003/>

**15-17 7th International Conference on the Biogeochemistry of Trace Elements (7th ICOBTE).** Uppsala, Sweden. Details: Academic Conferences, Swedish University of Agricultural Sciences, P.O Box 7059, SE-750 07 UPPSALA, Sweden. Phone: +46 (18) 67 22 90 or 67 10 03. Fax : +46 (18) 67 35 30. E-mail: [7thICOBTE@slu.se](mailto:7thICOBTE@slu.se). Web site: <http://www.conference.slu.se/7thICOBTE/index.htm>

**16-18 5th International Conference on the Analysis of Geological and Environmental Materials.** Rovaniemi, Finland. Details: Lars-Martin Westerberg, Geological Survey of Finland P.O. Box 1237 FIN-70211 KUOPIO, Finland. Email: [Lars.Westerberg@gsf.fi](mailto:Lars.Westerberg@gsf.fi) or

[geoanalysis@gsf.fi](mailto:geoanalysis@gsf.fi). Web page: <http://www.gsf.fi/geoanalysis2003>

**20 - 25 LERM 2003: International Symposium on the Role of Light Elements in Rock-forming Minerals.** Nové Mestona, Czech Republic. Details: Dr. Milan Novák, Department of Mineralogy, Petrology and Geochemistry, Masaryk University, Kotlářská 2, 611 37 Brno, Czech Republic. FAX (420) (5) 41211214. E-mail: [mnovak@sci.muni.cz](mailto:mnovak@sci.muni.cz). Web site: <http://sci.muni.cz/~lerm/index.htm>

**22-26 Euroclay 2003.** Modena, Italy Details: Maria Franca Brigatti, Dipartimento di Scienza della Terra, Università di Modena e Reggio Emilia, Largo S. Eufemia 19, 41100 Modena-ITALY. Fax: +39-059-2055887. E-mail: [ec2003@unimo.it](mailto:ec2003@unimo.it). Web page: <http://www.unimo.it/euroclay2003/>

**22-27 8th International Kimberlite Conference.** Victoria, British Columbia, Canada. Details: Dr. Roger H. Mitchell, Geology Department, Lakehead University, Thunder Bay, Ontario, Canada P7B 5E1. Phone. 807-343-8287, Fax 807-623-7526. E-mail: [Roger.Mitchell@lakeheadu.ca](mailto:Roger.Mitchell@lakeheadu.ca). Web page: <http://www.venuewest.com/8IKC>

#### July

**20-25 Sixth International Conference on Mars.** Pasadena, CA. details: Arden Albee: phone: 626-395-6367, fax: 626-585-1917, E-mail: [6thMars03@gps.caltech.edu](mailto:6thMars03@gps.caltech.edu) OR Mary Cloud, Lunar and Planetary Institute, 3600 Bay Area Boulevard, Houston TX 77058-1113. Phone: 281-486-



2143. Fax: 281-486-2123. E-mail: cloud@lpi.usra.edu. Web site: <http://cass.jsc.nasa.gov/meetings/sixthmars2003/>

**26-31 American Crystallographic Association Annual Meeting**, Cincinnati, OH. Details: Jeanette Krause Bauer, Dept. of Chemistry, Univ. of Cincinnati, P.O. Box 210172, Cincinnati OH 45221-0172. Tel. (516) 556-9226 Fax (513) 556-9239. Email: jeanette.krause@uc.edu. Web page: <http://www.hwi.buffalo.edu/ACA/>

**July 28-August 1 66th Meteoritical Society Meeting**, Münster, Germany. Details: Kimberly Taylor, 3600 Bay Area Blvd., Houston, TX 77058-1113. phone: 281-486-2151. Fax 281-486-2160. E-mail: taylor@lpi.usra.edu. Web page: <http://cass.jsc.nasa.gov/meetings/metsoc2003/>

#### August

**24-30 XXI European Crystallographic Meeting**, Durban, South Africa. Web site: <http://www.ecm21-africa.co.za>.

#### September

**2-6 5th Hutton Symposium on the Origin of Granites**, Toyohashi City, Japan. Details: Hutton V, Geological Survey of Japan, AIST Tsukuba Central-7, Higashi 1-1-1, Tsukuba, 305-8567 JAPAN. E-mail: Hutton-V@m.aist.go.jp. Web site: <http://www.gsj.jp/Info/event/hutton>

**7-12 13th V.M. Goldschmidt Conference**, Kurashiki, Japan. Details: Or-

ganizing Committee of Goldschmidt 2003, c/o International Communications Specialists, Inc. Sabo Kaikan-bekkan, 2-7-4 Hirakawa-cho, Chiyoda-ku, Tokyo 102-8646, Japan. Email: gold2003@ics-inc.co.jp. Web page: <http://www.ics-inc.co.jp/gold2003/>

**18-21 International Symposium on Mineralogy**, Cluj-Napoca, Romania. Details: Prof. Bogdan P. Onac, Department of Mineralogy, Babes-University, 3400 Cluj, Romania. Email: bonac@bioge.ubbcluj.ro. Web site: <http://bioge.ubbcluj.ro/~bonac/smr.htm>

#### November

**2-5 Geological Society of America Annual Meeting**, Seattle WA USA. Details: GSA Meetings, Box 9140, Boulder, Colo. 80301-9140. Phone: +1-303-447-2020, ext. 164. Fax: +1-303-447-1133. E-mail: meetings@geosociety.org. Web page: <http://www.geosociety.org/meetings/index.htm>

#### December

**8-12 2003 AGU Fall Meeting**, San Francisco, CA, USA. Details: AGU Meetings Department, 2000 Florida Avenue NW, Washington, DC 20009 USA. Phone: +1-202-462-6900; Fax: +1-202-328-0566. Email: meetinginfo@agu.org. Web page: <http://www.agu.org/meetings>

## New Publications

from the Mineralogical Society of America and the Geochemical Society *Reviews in Mineralogy and Geochemistry* (RiMG) series:

- Volume 46: Micas: Crystal Chemistry and Metamorphic Petrology, 2002; Annibale Mottana, Francesco Paolo Sassi, James B. Thompson, Jr., Stephen Guggenheim, editors, Eds. 449 pp. ISBN 0-939950-58-8. US\$32.00
- Volume 47: Noble Gases, 2002; Donald P. Porcelli, Chris J. Ballentine, and Rainer Wieler, Eds. 845 pp. ISBN 0-939950-59-6. US\$40.00
- Volume 48: Phosphates: Geochemical, Geobiological, and Materials Importance, 2002; Matthew J. Kohn, John Rakovan, Eds. 742 pp. ISBN 0-939950-60-X. US\$40.00
- Volume 49: Applications of Synchrotron Radiation in Low-temperature Geochemistry and Environmental Science, 2002; P. A. Fenter, M. L. Rivers, N. C. Sturchio, and S. R. Sutton, Eds. 579 pp. ISBN 0-939950-61-8. US\$32.00
- Volume 50: Beryllium: Mineralogy, Petrology, and Geochemistry, 2002; Edward S. Grew, Ed. 691 pp. ISBN 0-939959-62-6.

More information about these publications is available on the MSA website at [www.minsocam.org](http://www.minsocam.org) or from the MSA Business Office, 1015 Eighteenth Street NW Ste 601, Washington, DC 20036-5212, USA. ph: 202-775-4344 fax: 202-775-0018 e-mail: [business@minsocam.org](mailto:business@minsocam.org). You may also order these publications online.

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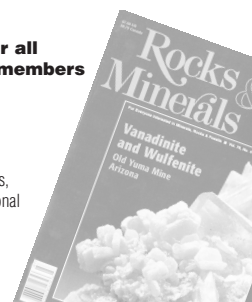
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### Attention Meeting Planners!

Send meeting information to Andrea Koziol e-mail: [Andrea.Koziol@notes.udayton.edu](mailto:Andrea.Koziol@notes.udayton.edu) -- please include the meeting date, name, location, and all the contact information you would like.



## Goldschmidt 2003 in Kurashiki September 7-12, 2003 ([www.ics-inc.co.jp/gold2003/](http://www.ics-inc.co.jp/gold2003/))

The Goldschmidt Conference is now the premier annual meeting for geochemistry. The conference covers a wide range of topics in geochemistry and cosmochemistry, including cosmic substances and the solar system, early earth, substances and processes in the earth's interior, material circulation on the earth's surface, climate change, earth's environment, biogeochemical processes, and technological advancement. The past Goldschmidt Conferences have been organized through the collaboration of the Geochemical Society and European Association of Geochemistry. In 2003, the Geochemical Society of Japan will join this collaboration, and the 13th Goldschmidt Conference will be held in Kurashiki, Japan, from September 7 to 12. For the first time, the meeting will be held in the western Pacific region.



### *Kurashiki, where you will meet old Japan*

The city of Kurashiki is located approximately 200 km west of Osaka, easily accessible by the bullet train (*Shinkansen*) from Tokyo, Osaka, or Fukuoka. Kurashiki was a local trading center in western Japan in the 17th to 19th centuries, preserving the medieval Japan atmosphere in its old town area. Many attractive tourist cities such as Kyoto, Nara, Himeji, Okayama, and Hiroshima can be reached by *Shinkansen*.

### *Visit an active volcanic arc*

Japan is a good place to see not only historical monuments but also geology of island arcs. A post-conference field trip to Kyushu is being organized, where you will see active volcanoes, thermal springs, and mineralization. Mid-session optional tours include a visit to Japanese gardens and old castles in the Okayama and Himeji areas. A cruise in Seto Inland Sea is also planned.

### *First priority for all geochemists*

Goldschmidt 2003 will provide you with an opportunity to take part in the frontiers in geochemistry and cosmochemistry. It will also help you extend collaborations with geochemists worldwide.

### *Indication of Interest*

Further announcements will be made on our web-site, and important updates and reminders will be announced by e-mail. To be included in the mailing list, please send e-mail with Registration of interest in the subject line to [gold2003@ics-inc.co.jp](mailto:gold2003@ics-inc.co.jp) or register your interest on the web-site (<http://www.ics-inc.co.jp/gold2003/>).

### **Important Dates:**

October 31, 2002	Deadline for special session proposals
January 2003	2nd Circular (website), Call for papers, pre-registration
May 2003	Deadline for electronic submission of abstracts
September 7-12, 2003	Goldschmidt 2003 in Kurashiki, Japan

## Classic Clays and Minerals

June 7-12, 2003  
Athens, Georgia USA  
A joint CMS/MSA  
meeting  
[www.gly.uga.edu](http://www.gly.uga.edu)



Workshop: June 7th  
Vibrational spectroscopy  
of layered clays  
and hydroxides

Field trips: June 12th  
1. Graves Mountain  
2. Kaolin district  
3. Piedmont soils

General Chair: Paul A. Schroeder ([schroe@uga.edu](mailto:schroe@uga.edu))

Technical Program: June 8th - 11th  
Paul M. Bertsch ([bertsch@srel.edu](mailto:bertsch@srel.edu))  
R. James Kirkpatrick ([kirkpat@uiuc.edu](mailto:kirkpat@uiuc.edu))  
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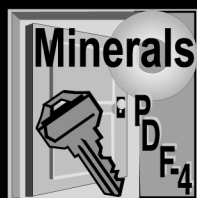
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