The Newsletter of the Mineralogical Society of America

Subscription and membership information is on page three.

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MSA Awards Luncheon at 2001 GSA Meeting

by Andrea Koziol

The eighty-second annual awards luncheon of the Mineralogical Society of America was held on November 6, 2001, during the 2001 Geological Society of America meeting in Boston, Massachusetts. Medallists were Peter J. Wyllie (Roebling Medal), Peter C. Burns (MSA Award), and Jeffrey E. Post (Distinguished Public Service Medal).

Roebling Medalist 2001, Peter J. Wyllie (center), Kase Klein (right), and citationist Art Montana (left).

Peter J. Wyllie was awarded the Roebling Medal, the Society's highest honor, in recognition of lifetime scientific achievement. Peter Wyllie graduated from the University of St. Andrews, Scotland with degrees in geology and physics. He was awarded the Polar Medal for his work as assistant geologist and dogsled driver with the British North Greenland expedition in 1952–1954. A research assistantship with O.F. Tuttle at Penn State followed. He has taught at Leeds University (1959–1961), Penn State (1961–1965), the University of Chicago (1965–1983) and the California Institute of Technology (1983–1999), with terms as chairman at Chicago and Caltech. The focus of his research program has been the experimental petrology of magmas and volatile components, using whole rocks and parallel mineral systems to elucidate and constrain processes, which has led to the publication of more than 300 scientific articles. The rock types investigated include granites, andesites, kimberlites, and carbonatites. Dr. Wyllie's honors include the MSA Award and election as fellow or foreign member to seven national science academies. He has served as President of MSA, the International Mineralogical Association, and IUGG. He is well known for the books he has written or edited, such as *Ultramafic and Related Rocks* (1966), *The Dynamic Earth* (1971), and *The Way the Earth Works* (1976). He is now revising and expanding the latter to cover revolutions in earth sciences after plate tectonics. Art Montana, in his citation, also recognized Romy Wyllie, who

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Jeffrey E. Post, Distinguished Public Service Award is center, with Citationist Peter Heaney (left), Kase Klein (right).

Letter from the President

Mineralogy: Is the Glass Half Full or Half Empty?

by Rod Ewing

As I begin my year as president of the Mineralogical Society of America, I can report that the Society has an active and distinguished membership that is involved in a wide variety of important activities. These efforts have a solid financial base. Our glass does not runneth over, but it is more than half full.

The greatest asset of the Society is its people. The affairs of the Society and its headquarters staff are guided by an Executive Director, **Alex Speer**, who has a remarkable knowledge of the history and details of the Society's programs and a Managing Editor, **Rachel Russell**, who supervises the increasingly efficient production of the *American Mineralogist*. **Bob Dymek** and **Lee Groat** bring experience and enthusiasm to their job as Editors of the *American Mineralogist*. During 2002, two special theme issue issues will honor **Michael Holdaway** and **Robert C. Reynolds**. **Paul Ribbe** continues as the series editor for the *Reviews in Mineralogy & Geochemistry*. At least five *RIMG* volumes are anticipated for publication during 2002. The new vice-president, **Doug Rumble**, will also assume the position of Publications Director and special attention will be focused on issues related to electronic publications. The Secretary, **Dave Jenkins**, and Treasurer, **Jim Blencoe**, will continue to serve the Society. The Council, with its two new members, **Peter Heaney** and **Nancy Ross**, is operating efficiently and is focusing its attention on the major issues confronting the Society. The Financial Advisory Committee, chaired by **Stephen Huebner**, has developed an explicit statement of the responsibilities of the Committee that should insure both the growth and stability of the endowed funds. The Society's website continues to expand and develop, in October there were 138,000 hits, thanks to the constant attention of **Gordon Nord**. The web-site includes important new additions for outreach, funded in part by the NSF. An important addition has been the addition of "Mineralogy 4-Kids" developed by the K-12 Outreach Coordinator, **Nancy McMillan**. The website also includes the Crystal Structure Database managed by **Bob Downs** and **Paul Heese**. Check out the Collector's Corner maintained by **David Von Bargen** with selected articles from the past 85 years in the *American Mineralogist* or the on-line version of the *Handbook of Minerals Vol. II – Silicates*,

made available by **Dick Bideaux**. The MSA Lecture Program, coordinated by **Helen Lang**, has been expanded to include tours outside of North America. The reviews of this program by the lecturers and hosts were unanimously positive, and during the next year three lecturers, **Bob Bodnar**, **Roberta Rudnick** and **Catherine McCammon**, will visit 35 institutions. In summary, the Society is benefiting from the efforts of its dedicated members who serve at every level. We have superb people at every skill position many of whom I have not named. The efforts of our members account for the quality and number of our publications, the solid financial base, and an extensive array of services to the mineralogical and geoscience communities. Finally, the membership has increased to just over 2100 members, still less than 1995 levels, but reversing the trend of recent declines.

All of this said, I think that it is my responsibility to focus during the next year on that part of the glass that is remains empty—the unrealized potential. During the next few years the Society will be faced with important challenges that will determine our long-term success. These challenges include:

1. What will be the impact of electronic media on our publications? How will the Society preserve the quality of it publications and produce them in a competitive market?

2. What are the long-term prospects for increased membership? The recent increase by several hundred members is encouraging; however, over half of the increase is from student memberships. In addition, most of the growth in membership over the last decade has come from outside of North America. In North America, there has been a substantial decrease (approximately 500) in the number of regular members.

3. How will we interact with other Societies in arranging meetings and related publications? The recent Goldschmidt Conference that was co-sponsored with the Geochemical Society was a tremendous success. In the future we will continue to have our joint meetings with the GSA and AGU, and we are also planning our Spring 2003 meeting with the Clay Minerals Society. Are there other societies in materials and environmental science communities that should be included? We need to insure that the combinations of cosponsored meetings satisfy the needs and interests of our members.

4. Finally, there is increasing concern that the discipline of "mineralogy" is perceived as less relevant to rapidly changing curricula in geoscience departments. We commonly bemoan the loss of familiar courses and old skills, such as optical mineralogy. Can we, as mineralogists, grow and expand with these inevitable changes?

On the last point, I want to simply declare that mineralogy is an increasingly relevant field, destined to grow in importance. However, we will have to broaden the definition of what mineralogists do. We need to realize that mineralogists are making important contributions in materials science, environmental science, and the life sciences. We need to get this message to our colleagues and, most importantly, to students. During the past twenty-five years we have been the seed of new sub-disciplines, such clay mineralogy, geochemistry and mineral physics. I believe that we must find mechanisms to reclaim these sub-disciplines as part of the broader discipline of mineral sciences. ■

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 2001: professional members $50; student members $5. American Mineralogist subscription: professional members add $30; student members add $25. Membership is on a calendar year basis. Individuals who join after January 1, 2001 will be sent all back issues of volume 85 for 2001.

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 2001 volume of *American Mineralogist* for the annual rate of $480 in the US and $490 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.

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Notes from Washington

by J. Alexander Speer

• MSA 2002 membership renewals were mailed in late October 2001. If you have not renewed your MSA membership, and not received a paper notice by time you read this, please contact the Business Office. MSA sent a notice about online membership renewal on the afternoon of 9/10/2001 to 1562 e-mail addresses (about 73% of MSA membership). Members were asked to renew online before 10/01/2001 if they wished to use this method. It was not the most auspicious of timing. A reminder was sent on 9/21/2001. By 09/28/2001 about 310 members had renewed online. The low number is attributed to the timing of the first notice, but it is a bit better than last year for the same time frame. We expect to receive more online renewals once members begin receiving their paper notices. Senior and life members and fellows were also sent renewal notices. They need not renew. They were sent notices because this seems the best way to prompt an update of their membership information, particularly mailing addresses. You can save your Society money by renewing early, whether you chose to do so online or with the traditional paper version mailed to you, and by telling us about changes in your mail or e-mail address.

At least in the first group of 310 renewals, most members subscribed to the paper *American Mineralogist* that comes with electronic access (213), and many fewer just the electronic access (45). Preliminary indications are that many of those signing up for electronic access only previously did not subscribe to the journal. At least among this early group there are a higher percentage of members receiving the journal in some form than last year.

There were a few problems reported to us with the electronic renewal. The largest problem was members identifying themselves to the database. These were solved by searching on just their last name, or city alone. This same trick applies to MSA online searchable database, in case you encounter the same problem there. Most simply asked the Business Office for their member ID number. Others had problems with their browser or server set-up. These were the most difficult problems to solve, if they could be. Several members wrote to say that they do not trust electronic commerce or that their institutions require original hardcopy dues invoices. There is also a problem of timing. Members who renewed online between the time we printed the paper renewal notices and the time they received it in the mail often felt we had made a mistake in their renewal. This is a problem inherent in using two renewal formats.

• You have read or heard about anthrax-bearing letters at the Brentwood Post Office in Washington. It is MSA's Post Office. There were several days of mail interruption after October 19, but within the week our normal mail service resumed. Since then there has been much more security surrounding all shippers, with the expectation that higher costs will be inevitable. However, mail that was in the Brentwood Post Office on October 20-21 has been sequestered and, as far as we know, is still there with plans for decontamination or destruction. Given the timing, little MSA mail should be affected. But it will be some time before we will discover what, if anything, was sequestered.

• In this issue of *The Lattice* there is an announcement of the 2003 Grant for Research in Crystallography from the Edward H. Kraus Crystallographic Research Fund and the 2003 MSA Grant for Student Research in Mineralogy and Petrology Research from an endowment created by contributions from the MSA membership. Council had increased the amount of the grants to $5000 starting in 2002. This ought to be a more attractive sum than the earlier $3500, and enough to make an impact on some research. This was possible because of the continued generous contributions from MSA members and the healthy investment climate of the last three to four years. For the 2002 grants there were 38 applicants. Only three could be funded, though many more were deserving.

• MSA generally does its membership figures for the year just before renewal notices for the next year are received. There was a pleasant surprise this year. MSA had more members than last, and the highest number since 1996. There appears to be a halt in declining membership figures that began in the early 1980s, and perhaps an increase. Worrisome is the continuing decline in institutional subscriptions to the journal. Much of the loss here is in non-US address institutions, most likely the result of the strong US dollar.

Table of Membership History

Category		1995	1996	1997	1998	1999	2000	2001*
Membership								
Members								
	regular	1300	1227	1191	1157	1152	1113	1180
	life dues	84	78	72	72	71	72	68
Fellows								
	regular	318	356	334	310	328	313	297
	life dues	156	152	148	143	144	142	138
Senior								
	members	22	22	25	23	20	22	49
	fellows	28	34	45	51	56	57	75
Students		287	252	252	237	220	213	320
Honorary		4	4	3	3	3	3	3
Spouses		5	4	—	—	—	—	—
Total		2204	2129	2070	1996	1994	1935	2137
Journal Subscriptions								
Members								
	members	1792	1743	1658	1549	1545	1537	1451
	students	287	252	252	237	202	213	213
Institutions								
	domestic	592	596	600	594	584	601	585
	foreign	512	458	425	384	328	304	288
Total		1104	1054	1025	978	912	905	873

• There are two Mineralogical Society of America and Geochemical Society short courses in 2002:

–Applications of Synchrotron Radiation in Low-Temperature Geochemistry and Environmental Science, October 26–27, 2002, preceding the 2002 GSA Denver Meeting, Boul-

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Secretary's report to the 82nd MSA Business meeting

by David M. Jenkins, MSA Secretary

The 82nd annual business meeting of the Mineralogical Society of America was held on November 6, 2001, at 5:00 PM in the Hynes Convention Center, Boston, Massachusetts. What follows is a brief overview of the main actions taken by the council and executive committee, society election results, and other actions since the last business meeting.

Membership

As of Sept 10th the total membership of the society stands at 2137. This represents a significant increase (nearly 10%) in membership and contrasts sharply with the steady decline that has been occurring in recent years. Society membership increased in almost all categories but the largest was in student members (50% increase). This may be the result of the $5 (no-journal) student membership category that was instigated last year, but it is also the result of the efforts of at least one council member who gives new students **no** excuse not to join MSA. I encourage all of us to extend an invitation to students to join in the activities of our society. On-line membership renewal appears to be an option that is used by an increasing number of members. Early renewals not only save the business office time and effort by not having to send out renewal notices, but you are given a $5 discount on your renew before December 31.

Regular members:	1180
Life members:	69
Fellows:	297
Life fellows	138
Senior members	49
Senior fellows	75
Students	320
Honorary members	3
Spouses:	none
Total	2137
Domestic Institutions	585
Foreign institutions	288

The total number of institutional subscriptions continues to decline each year, with equal losses in both the domestic and foreign categories this year.

New Fellows

I am pleased to announce the following ten new Fellows of the Society:

Dennis Bird
Benedetto DeVivo
Hermann Gies
Bradley Hacker
David M. Jenkins
Ole Johnsen
André Lalonde
Roberta L. Rudnick
Robert B. Von Dreele
Hexiong Yang

The society extends its congratulations to these individuals! To the society members, let me assure you that the Committee on Fellows welcomes your nominations for fellows.

Medalists/Award winners

I am also pleased to announce the following Medalists and Research Grant Recipients:

Roebling Medalist is Werner Schreyer
Distinguished Public Service Medalist is David P. Hill
Dana Medal Award recipient is Mark Ghiorso (for 2003)
MSA Award recipient is John M. Eiler.

2001/2002 Kraus Crystallographic Research Grant recipient is Jeffrey R. S. Brownson for studying the "Effect of organopolymers on kaolinite crystal habit modification."

2001/2002 Mineralogy/Petrology Research Grant recipients are:

Kevin J. Davis for the study "Resolving the intertwined roles of temperature, growth rate, and growth mechanism in determining Mg-calcite compositions: Towards a physical baseline for the Mg/Ca paleothermometer"

and

Robert L. King for the study of "B systematics during progressive Si metasomatism of the mantle wedge."

Congratulations to all of the award and research-grant recipients. Council encourages you to nominate individuals for the various awards (detailed information can be found in the Lattice). Please encourage students to apply for the various research grants, which now provide funding up to $5000 each.

As a reminder, MSA offers the Undergraduate Award to outstanding undergraduates recommended by faculty members. In addition to providing recognition to deserving students, these awards can help make the society a more tangible entity for undergraduates and the population at large. Details on nominating undergraduates can be found on the MSA website.

Short courses

This is a banner year for short courses.

Molecular Modeling Theory and Applications in the Geosciences which was co-sponsored with the Geochemical Society, was held on May 18-20 at Roanoke, Virginia, prior to the Goldschmidt Conference held in Hot Springs, Virginia. The conveners were Randy Cygan and Jim Kubicki. There were 75 participants (17 students and 58 professionals). The accompanying book is RiMG Vol. 42.

Stable Isotope Geochemistry was just held on Nov. 2–4 prior to this GSA meeting in the Colonnade Hotel, in Boston, Massachusetts. The conveners were John W. Valley and David R. Cole. At total of 80 participants attended the short course and the accompanying book, RiMG Vol 43 is now available for sale by the MSA business office.

Nanoparticles in the Environment and Technology will be

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All About Future Submissions to *American Mineralogist*

By Rachel A. Russell, Managing editor

The big news for *American Mineralogist,* from this year's November 4 MSA Council meeting, is the approval of *AllenTrack*, a web-based submission and peer review system. With such a system, manuscripts can be submitted by uploading them via the World Wide Web. Then, the associate editors (AEs) and reviewers access the paper via the web, and the editors and staff have a much greater ability to keep track of the status of papers. AEs, editors, and reviewers can all work wherever they have computer access. The computer tracks the dates received, so the AEs will no longer need to, and the computer can even send various reminders out automatically! An advantage for the authors is that once they have logged in one paper, the computer will remember their address and other data for subsequent submissions.

I spent considerable time this year investigating web-based submission and review systems, both by using demos, and by talking to current users and vendors. In the end, AllenTrack is the software I recommended for many reasons. One reason is because Allen Press, whom we know and trust as our printer, will be the application service provider. Another is that AllenTrack is very easy to use and learn, while at the same time being very flexible. It can be customized for MSA's specific needs. In addition, the Geological Society of America is already leading the way. They have been using AllenTrack for several months for *Geology* and the *Bulletin*. AGU is using the same program, created by e-Science Journals, for their publications. Thus it makes sense for earth scientists to be able to learn one basic interface (although each journal is obviously a little different). It also makes sense that each journal can learn from one another and improvements for one could be improvements for all.

Planning, personalizing, and testing of this system shall start early next year, with the target for going "live" – that is, open to authors to actually submit papers via the web – being early April 2002.

The most common question I heard from Associate Editors at the annual AE Luncheon was how would reviewers indicate specific edits to sentences when the manuscript is distributed by a web-based system? The simplest answer is after printing and reviewing the manuscript, the reviewer will then fax or mail this copy to the associate editor as always. The reviewer's official form will be on the web site and can be directly filled out while on line. A further possibility is that of scanning in the version with the line edits and then uploading it to AllenTrack. This option might be best for any line edits the associate editors do for the editors' attention. We can do this scanning at the editorial office, but several of the associate editors at the luncheon felt they could use the Acrobat program to do this themselves.

Another concern was regarding the artwork. To review certain halftones, such as micrographs, the quality needs to be fairly high. A photocopy is often inadequate, and a common PDF scan can be inadequate. With the web-based system the author's actual file can be uploaded so the quality should be represented exactly as the author sees it. Related to this concern is the experience of GSA, which is that reviewers do not wish to have to open a separate file for each piece of art. AllenTrack is working on a computer solution for this right now, but in the meantime the editorial office can combine the artwork into one PDF file. And the best part of this solution is that if the reviewer needs the quality of the original, then it is right there as an option.

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AMERICAN MINERALOGIST FACTS AT A GLANCE FOR 2001

- Total published pages 1564.
- 158 papers were published.
- As of 10/29/01, there have been 50 papers rejected this year, for a rejection rate of 31%.
- The average total submission-to-publication time is 11 months, and improvement from last year's 11.8 average.
- The average time in peer review is almost 3 months; the past two years it has been just over 3 months.
- The average time in revision (with the author) is 3.7 months. This is a slow down as in the past the authors have averaged three months.
- The average time with the editors is 27 days.
- The average time in production (from acceptance to publication) is 3.5 months, which is an improvement from last year's 4.2 and 1999's 4.3 months.
- 58% of the papers have a non-U.S.A. affiliation for the first author.
- As of 10/29/01, we've had 240 submissions this year. With November and December still to come, I would estimate our yearly total of submissions will be close to 300.
- This summer we started sending packets to associate editors via e-mail; and we have just recently begun to accept submissions via e-mail. Both changes have been well received.

UPCOMING FOR 2002

- Two special-themed issues, one in honor of Michael Holdaway and one in honor of Robert C. Reynolds, will be published in 2002.
- We will move to a web-based submission and peer review system.

Mineral Structures Interest Group (MSiG): Report from the 2001 Goldschmidt Conference

The 2001 Goldschmidt Conference was a superb meeting for those interested in all aspects of mineral structures research. The sessions on mineral structures and on gem materials sponsored by our special interest group included a range of excellent presentations from a healthy mix of students, senior researchers, and everyone in between. Thanks to David Veblen, Nancy Ross, Peter Heaney and George Harlow for helping to organize the sessions! There were also related sessions on environmental mineralogy and structure modeling, and related topics.

At the Goldschmidt Conference, approximately 50 people attended the meeting of the special interest group, clearly an indication of the high level of interest and activity in mineral structures research. Some items that came out of the meeting were:

(1) MSiG will sponsor a mineral structures session at the 2002 Spring AGU meeting in Washington, DC. Peter Burns offered to help organize the session.

(2) We discussed sponsoring another workshop at either the fall GSA or Spring AGU meeting. Possible topics include an introduction to the crystallographic software on the CCP-14 website by Dr. Lachlan Cranswick, or structure solution from powder diffraction data. At the present it appears that this might be more feasible for the Spring AGU meeting. Please feel free to suggest other topics for workshops, and/or express your thoughts about the topics listed. Contact Jeffrey Post at the email address below.

(3) Peter Burns has agreed to co-chair our special interest group.

(4) Ross Angel offered to provide a copy of his version of the RFINE crystallographic refinement program to anyone interested.

The MSA Mineral Structures interest Group (MSiG) was formed to promote and coordinate communication and activities among researchers working in all areas related to structures of minerals and materials. If you wish to join the MSiG, please send your name and e-mail address to Jeffrey Post (post.jeffrey@nmnh.si .edu).

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A final concern expressed at the luncheon was for authors around the world who do not have access to the web. These authors can mail diskettes or paper versions as they do now and we shall scan or upload them into the web site for them. This system is meant to help all authors, and to exclude no one.

The information for authors on the web site shall continue to provide updates and information about submissions. Right now we are accepting submissions via e-mail at editorial@minsocam .org, especially if the author uses PDF format. Check out the specifics on the web!

A final note is that upon acceptance of a paper, a Word (or rtf) version of the text and tables is still required, as well as print quality artwork files, and we shall still work with authors to obtain these materials as we do now. ■

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held prior to the Fall AGU meeting on Dec.7–9 at the Univ. of California—Davis Conference Center. Conveners are Jillian Banfield and Alex Navrotsky. The accompanying RiMG Vol. 44 will be available for sale by the end of the year.

In 2002, there is:

Applications of Synchrotron Radiation in Low-Temperature Geochemistry and Environmental Science which is sponsored by the Geochemical Society and will be held before the GSA meeting in Denver. Conveners are Paul Fenter, Mark Rivers, Neil Sturchio, and Steve Sutton.

Phosphates: Geochemical, Geobiological and Materials Importance being organized by Matthew J. Kohn, John Rakovan, and John Hughes also to be held before the GSA meeting in Denver, Colorado.

Plastic Deformation and Deformation Microstructures of Minerals and Rocks is to be held at UC Berkeley before the Fall AGU meeting. Conveners are Shun-ichiro Karato and H-R. Wenk.

In 2003 there will be a short course on *Biomineralization* co-sponsored with the Geochemical Society and convened by Patricia Dove, James De Yoreo, and Steve Weiner.

A short course on *Zircon* is being organized by John Hanchar and Paul Hoskin for either 2003 or 2004.

It should be mentioned that the US Department of Energy has graciously directed funding to both MSA and the Geochemical Society to help defray the cost of running six of the short courses (Molecular Modeling, Stable Isotope Geochemistry, Nanoparticles, Synchrotron Radiation, Phosphates, and Biomineralization). MSA is grateful to DOE for its financial support of these short courses.

In addition to the short courses mentioned above, there was a Workshop on "Practical Applications of XRF Techniques to the Analysis of Geological Materials" that was held Nov. 5th and 6th at the Philips Analytical application facility in Natick, Mass. The convenors were Dave Coler and James Willis. These types of practical "hands-on" workshops are quite successful and appear destined to become a regular feature at future annual meetings of GSA, AGU, etc.

Publications

Volume 45 of the Reviews in Mineralogy and Geochemistry series titled *Natural Zeolites* edited by Dave Bish and Doug Ming, is nearly complete. There is no accompanying short-course.

MSA Lecture Program

As was initiated last year, this year the Lecture Program series included a European lecturer along with the two North American lectures normally involved in the Lecture

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MSA Website Report 2001

by Gordon Nord, MSA Webmaster

The MSA Website operated during the year 2001 with only two hours of downtime running on two Apple Macintosh 120 MHz 8550 machines. The web server is Webstar, the cgi is Lasso and the database is FileMaker. The current system is incredibly stable. Even the nimda probes (code-red) have no effect.

The front page has been redesigned as a portal to feature current events and new features as well as easy links to all MSA activities as requested by Council. The website has minimal graphics to load quickly.

During the year the number of hits has increased from about 100,000 hits per month to nearly 150,000 hits per month. The system is nearing its limit and will be replaced by two Apple Macintosh 867 MHz G4's this winter.

Additions to the website this year include the "Collectors Corner" and "Mineralogy 4Kids" along with the popular "Ask-a-Mineralogist".

About 30% of the activity on the website is due to spiders and robots. These are the digital data searchers for the search engines. They come and extract pdfs, htmls, and everything the site has to offer. They are our friends because they index the site for inquiring minds. Google.com is at the top of the list, usually visiting everyday to update its database. In fact Google has such an intensive scientific database that we decided to add a Google presence to the home page. Google also indexes pdfs and does a more complete job than our own internal search engine.

MSA now has the years 1997 to 2001 online as abstracts and most of the years 1998 to 2001 online as Articles. The remaining months of 1998 and the year 1997 will be online soon. This will finish the existing pdf articles available for access. The most requested pdf is New Minerals. There is a large audience out there for new mineral information.

A log of the month of October indicates that

- 138,000 hits occurred.
- Mon, Tues and Wed are the busy days.
- 9 a.m. to noon EST are the busy times.
- Computers from 81 different countries have accessed the website.

The leaders are

- .com 22%
- unresolved 21%, (probably search engine probes)
- .net 17%
- .edu 10%
- Japan 3.6%
- Germany 2.8%
- Portugal 2%
- France 1.9%
- Italy 1.9%
- Canada 1.7%
- .gov 1.4%
- Australia 1.2%
- UK 1.1%
- Spain 1.0%
- Austria 0.9%

This is particularly interesting because .com is way ahead of .edu. Perhaps MSA is not as academically centered as we think.

Of the search engines "Google" has visited the most times: 11,000 hits.

Of the types of files downloaded, 35% were html, 28% were gifs, and 17% pdfs. This indicates that pdfs are very popular.

The most requested page was the home page, followed by the *American Mineralogist* pages, followed by Ask-A-Mineralogist, followed by Collectors Corner and followed by Mineralogy 4 Kids. Note that Mineralogy 4Kids has recently undergone considerable changes and it should be the most popular area in the future with a bit of advertising.

The top browsers visiting our website are various versions of Internet Explorer and various versions of Windows. Macs and Netscape are only a few percent of the visiting browsers and operating systems. I try to design for all browsers and currently design for 15" monitors.

The top referrers are Google, Yahoo, Altavista, and MSN.

Last year the Council voted to place the American Mineralogist articles online. There were approximately 680 articles available for download from the years 1998 to 2001. The report on this activity follows.

During the year article-downloads were identified by member ID. 430 unique members used the electronic download. This is about 20% of the membership. Approximately 3000 attempts were made to download articles but only 1500 of these were

successful for a variety of reasons. If a member had trouble and contacted the business office we worked with them to resolve the problem. All known problems were corrected. Usually it was a browser problem but occasionally it was a path problem. In any case all problems were resolved. I am guessing the rest of the problems were connection problems, broken links, and such. Commonly the next attempt was successful.

In summary the member-only download of articles has been successful and will be continued into the next year with the following change. Articles from 2000 back will be available **free-to-download** on Jan.2002 and the articles from 2001 back would be available **free-to-download** on Jan.2003 and so forth. ■

Welcome New Members

The following individuals joined MSA July 17 through November 17, 2001. 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 20036-5212, USA.

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See page 3 for membership/subscription information

Continued from page 1

was present at the luncheon.

The Distinguished Public Service Award was presented to Jeffrey E. Post for his work as lead curator of the Smithsonian's new permanent exhibition "Geology, Gems and Minerals." This beautiful exhibit is also one of the museum's most popular, visited by 7 to 8 million people annually. Jeffrey Post attended the University of Wisconsin–Platteville and obtained a B.S. in Geology and Chemistry in 1976. He earned his Ph.D. in chemistry, with a specialty in geochemistry, with Peter Buseck at Arizona State University in 1981. He was a post-doctoral fellow at Harvard from 1982 to 1984, where he studied theoretical modeling of mineral structures with Charles Burnham. He joined the Department of Mineral Sciences at the Museum of Natural History, Smithsonian Institution in 1984 and was department chair from 1989 to 1994. He has served as the Curator of the National Gem and Mineral Collection since 1991. Dr. Post's current research interests include single-crystal and synchrotron-powder X-ray diffraction studies of the structures, dehydration, and exchange behaviors of manganese and iron oxide and clay minerals. Peter Heaney, as citationist, highlighted the positive reviews of the Smithsonian exhibit and the influence of this exhibit in conveying the wonders of minerals and the natural world to millions of people.

Peter C. Burns received the Mineralogical Society of America Award for outstanding research early in one's research career. Peter C. Burns was born in 1966 in New Brunswick, Canada. He graduated from the University of

Continued on page 13

Mineralogical Association of Canada

Short Course

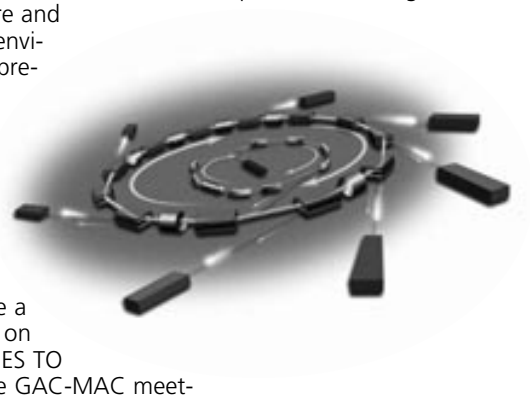
Synchrotron Radiation:
Earth, Environmental and Materials Sciences Applications

May 25 and 26, 2002

University of Saskatchewan campus, prior to the 2002 GAC-MAC meeting in Saskatoon.

THE short course will present what synchrotron radiation is, what the latest techniques are, what types of Earth, environmental and materials science problems can be investigated using synchrotron techniques, what the Canadian Light Source can do, how one gains access to the CLS and other sources, and how data are reduced and analyzed for specific techniques.

Most of the material will be at a level of understanding for most upper undergraduate and graduate students although recent results and ideas presented throughout the lectures will appeal to both pure and applied researchers working on Earth, environmental and materials sciences. The presentations of the first day (90-minute lectures) will be broad overviews of various aspects of synchrotron research. The second day will be dedicated to more specific applications, and some of the lecturers will go through the reduction and analysis of real raw data with the audience (where appropriate). On the afternoon of the second day, there will be a tour of the Canadian Light Source. A symposium on APPLICATIONS OF SYNCHROTRON LIGHT SOURCES TO THE EARTH SCIENCES will also be held during the GAC-MAC meeting. Both oral and poster presentations are welcome.



Organizers

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Contributors

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Gordon E. Brown, Stanford Synchrotron Radiation Laboratory, Stanford University

T.K. Sham, Department of Chemistry, and **H. Wayne Nesbitt**, Department of Earth Sciences, University of Western Ontario

J.S. Tse, Steacie Institute for Molecular Sciences, NRC, Ottawa

John B. Parise, Departments of Geology and Chemistry and Center for High Pressure Research, SUNY, Stony Brook

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For more information, contact Grant S. Henderson at **henders@geology.utoronto.ca**
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MSA Award 2001 is given to Peter C. Burns (center) by Cornelis Klein (left) and citationist Frank Hawthorne (right).

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New Brunswick with a B.Sc. (first class honors) in geology in 1988 and from the University of Western Ontario with a M.Sc. in geology in 1990. He continued his graduate work at the University of Manitoba, and received a Ph.D. in 1994. His dissertation concerned theoretical aspects of the crystal chemistry of copper oxysalt minerals, and he was advised by Frank C. Hawthorne. In 1994 he was awarded a National Sciences and Engineering Council of Canada Postdoctoral Fellowship, which he used to conduct research in mineral phase transitions at Cambridge University from 1994 to 1995, and then in the mineralogy of uranium at the University of New Mexico from 1995 to 1996. He was a visiting assistant professor at the University of Illinois-Urbana from 1996 to 1997. He became an assistant professor of geology at the University of Notre Dame in 1997, was promoted to Associate Professor in 1999, and became the Henry Masman Chair in Civil Engineering and Geological Sciences in 2000. He directs the Environmental Mineralogy and Crystal Structures research laboratory, and has research interests in low-temperature mineralogy, especially the mineralogy of actinides. Frank Hawthorne, his citationist, also acknowledged Peter's wife Tammy and son Kelson, who were both present at the luncheon.

Cornelis Klein, as master of ceremonies, also recognized the contributions of the MSA Distinguished Lecturers for 2000–2001, John Holloway, Rhian Jones, and Ian Parsons. John Holloway spoke on *Mid-Ocean Ridge Black Smokers: Biogeochemical Cauldrons on the Seafloor* and *The Upside-down World of Subduction Zones: Cold Slabs to Explosive Volcanoes*. Rhian Jones spoke on *From Stardust to Asteroids: Meteorites and their Record of Solar System Formation*, and *Martian Meteorites: A Sneak Preview of Samples from our Neighbor Planet*. Ian Parsons spoke on *Self-organization in Crystals: Feldspar Weathering, and Origin of Life* and *Twelve Orders of Magnitude: How Nano-scale Features of Minerals Solve Problems on the Kilometer Scale; the Klokken Intrusion, South Greenland*. Ian Parsons was the first MSA Distinguished Lecturer who did not reside in North America. Also of note, Rhian Jones and Ian Parsons both did lecture tours in Europe as well as in North America.

A special gift was awarded to Anne Hofmeister for her service as co-editor of the *American Mineralogist*.

A special guest at the 2001 luncheon was Robert Reynolds, the 2000 Roebling Medallist, who was not able to attend last year. He expressed his thanks for this honor via Kase Klein but did not wish to speak. Dr. Reynolds' citation is published in Volume 16, no. 4 of *The Lattice*.

Finally, Kase Klein passed the gavel of the MSA presidency to Rod Ewing, who then closed the 2001 MSA Awards luncheon. ■

Secretary Report, Continued from page 7

tour. They are:

Robert Bodnar — Virginia Polytechnic Institute and State University – who is speaking on"The search for water and life in the solar system: Are we alone?" and "Experimental geochemistry in a bottle: The use of synthetic fluid inclusions to teach and understand basic geochemical and petrological principles."

Catherine McCammon – University of Bayreuth, Germany – who is speaking on "Diamonds are not forever: How compositional zoning in garnets can tell us why." and "Oxidation-reduction in the Earth: What old cars and the lower mantle have in common."

Roberta Rudnick – University Maryland – who is speaking on "Origin of Earth's enigmatic continental crust" and "When young rift meets old continent: Xenolith studies from the Tanzanian craton."

MSA heartedly thanks these folks for their time and effort in speaking to colleges and universities around North America and Europe, and to Helen Lang for coordinating this program. The feedback that Helen has received emphasizes the positive impact that the MSA lecturer program can have on undergraduate and graduate students.

We also thank last year's speakers John Holloway, Rhian Jones, and Ian Parsons.

DEATHS

I would like to ask the audience to please rise at this time to honor those fellows and members of the society who have passed away this year. Please remain standing and observe a moment of silence after the names have been read.

Robert S. Dietz, Life Fellow, 1943

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James Graham, Member, 1981
Walter D. Keller, Life Fellow, 1928
Albert M. Kudo, Fellow, 1985
E. F. Osborn, Life Fellow, 1940, MSA President, 1961
Cyril J. Perusek, Life Member, 1947
J. M. Piotrowski, Member, 1966
Martin Prinz, Fellow, 1956
H. P. Rooksby, Life Fellow, 1961
Charles B. Sclar, Fellow, 1956
Richard E. Stoiber, Life Fellow, 1935
Shigeho Sueno, Fellow, 1972
Charles J. Vitaliano, Life Fellow, 1938

Thank you. Please be seated.

Anyone who wishes to prepare a memorial, please contact Alex Speer, in the Business Office, who is serving in the capacity of editor for memorials in the American Mineralogist.

COMMITTEES:

MSA's endeavors depend primarily on the volunteer work of its members serving on the many committees that are in place. Speaking as the one who has the privilege of contacting you to serve on these committees, let me extend a special "thank you" for taking the time to help MSA on these various committees. Without your help, MSA could not undertake its many functions to educate, grant money, and continue to serve our profession. Those who would like to volunteer their time and effort to serve on a committee are welcome to contact me, Alex Speer, or the in-coming chair of the Committee on Committees, Doug Rumble.

I draw your attention to one other way in which you may serve the profession of mineralogy and the earth sciences at the "grass-roots" level, which is to add your name to the Directory of Earth Sciences Speakers. This directory is the result of an effort on the part of the national Friends of Mineralogy and MSA to assemble speakers who are willing to talk to mineral clubs, museum patrons, Scout groups, school classes, etc. on topics ranging from minerals to Mars. Information should be directed to Andrew Sicree at the Penn State University museum. His contact information is in the notice that frequently appears in the Lattice, or is accessible from the MSA website.

WEBSITE DEVELOPMENT

The MSA website has undergone a number of important developments this year. First, the K-12 Outreach Committee has developed the "Mineralogy 4 Kids" link which has information on the rock cycle, mineral properties, and other grade-specific information about minerals. Many thanks go to Nancy McMillan for heading up this effort. Nancy is currently asking people to send photos and descriptions of field localities to establish "virtual" field trips on the web. Second, the "Collectors Corner" has been developed by David Von Bargen specifically for mineral collectors. At this link you can find such things as resources for locating minerals on a state-by-state basis, listings of minerals found at classic mineral localities, articles from the archives of the *American Mineralogist* that are of interest to collectors, and Frequently Asked Questions. Third, the full text of the *Handbook of Mineralogy* Volume II (Silicates) has been made available to MSA by the authors John W. Anthony, Richard A. Bideaux, Kenneth W. Bladh, and Monte C. Nichols. This volume contains basic mineralogical data for 904 species viewable as Adobe Acrobat pdf files. Fourth, MSA council has decided to allow free access to all articles of the American Mineralogist from 2000 and prior (currently back to mid-1998) to the general public. Council believes that, in addition to providing a valuable service to the general public, this will set a good example for other societies to follow in making scientific information readily available. Our website currently receives about 150,000 "hits" a month and is clearly an important component of MSA's operations. Many thanks go to the webmaster, Gordon Nord.

2001 ELECTION RESULTS

I am pleased to announce the results of the spring 2001 elections.

The new President of the Society is Rodney Ewing
Our new Vice President — Douglas Rumble, III
David Jenkins was re-elected Secretary
James Blencoe remains in office as Treasurer
and the new Councilors are Peter Heaney and Nancy Ross.

They will join the continuing councilors: David Bish, Jeffrey Post, Craig Manning, and Kathryn Nagy.

We thank the out-going councilors Sorena Sorensen and Michael Carpenter for 3 years of dedicated service to the society.

A total of 587 ballots were received by the August 1st deadline, representing 27% of the membership. You are strongly urged to vote as each vote really does make a difference in these closely contended elections. Let me extend a special thanks to those who ran for office.

Let me add my personal thanks to the society for the honor of serving a second term as your secretary. ■

IN MEMORIUM

W.M.D. Bryant (Life Fellow-1936)
Nelson B. Dodge (Life Member-1945)
Perry L. Ehlig (Member-1959)
Ian O. Knizek (Life Member-1946)
Henry C. Mullner (Life Member-1947)
Sidney W. Poole (Life Member-1945)
Deane K. Smith Jr. (Senior Fellow-1954)

Deadline

Material for the February 2002 Lattice is January 11, 2001.

Contributions may be sent to Andrea Koziol via surface mail at the Department of Geology, University of Dayton, Dayton, OH 45469-2364 or via e-mail at koziol@notes.udayton.edu. ❑

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8 or more	$1.00	$3.00	$4.00

A. Total for member discount books	
B. less 25% member discount (A x 0.25)	
C. Total for non-discounted items	
D. Shipping (see above)	
Total (A-B+C+D)	

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 20036-5212, 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

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[ ] Prof
[ ] Mr.
[ ] Ms.
[ ] Mrs.
[ ] Other: _____

Name: _____ (First Middle Last)

Address: _____

Phone _____

Fax _____

E-mail _____

Birth date _____

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 _____

2002 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 you request otherwise. 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
	American Mineralogist (paper & online member price)	35.00
	American Mineralogist (online member price)	10.00
	International airlift for paper *American Mineralogist*	40.00
	Life Membership Dues (with *American Mineralogist*)	2125.00
	Mineralogical Abstracts, published quarterly by the Mineralogical Society of Great Britain & Ireland	58.00
	Physics and Chemistry of Minerals, published eight times a year by Springer-Verlag	523.00
	Journal of Petrology, published twelve times a year by Oxford University Press	395.00
	Rocks & Minerals published 6 times a year by Heldref Foundation $41.00 ($51.00 for non-US addresses)	
	Mineralogical Record published 6 times a year $43.00 ($47.00 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: _____

Meeting Calendar 2002–2003

2002

JANUARY

3–4 Volcanic and Magmatic Studies Group 2002. University College London. Details: Professor Bill McGuire, Benfield Greig Hazards Research Centre, UCL, Gower St., London UK. Email: w.mcguire@ucl.ac.uk. Web page: http://www.geolsoc.org.uk/template.cfm?name=VMSGagm

7–9 Timing, Transition, and Tectonics. Derby University, UK. Details: Dr Neil Hudson. E-mail: N.F.C.Hudson@derby.ac.uk. Web page: http://msg.gly.bris.ac.uk/pages/mpages/wm2002/wm02.html

FEBRUARY

17–21 The Minerals, Metals & Materials Society 2002 Annual Meeting. Seattle, WA. Details: TMS Programming Department, 184 Thorn Hill Road, Warrendale, Pennsylvania 15086. Phone (724) 776-9000, ext. 237; fax (724) 776-3770. E-mail: ckobert@tms.org. Webpage: http://www.tms.org/Meetings/Annual-02/AnnMtg02Home.html

MARCH

3–8 Biomimetic Engineering. Sandestin, FL. Details: United Engineering Foundation, Three Park Avenue, 27th Floor, New York, NY, 10016-5902. Phone 1-212-591-7836; Fax: 1-212-591-7441. E-mail: engfnd@aol.com. Web page: http://www.engfnd.org/2am.html

4–7 10th Annual Meeting of the German Society for Crystallography (Deutsche Gesellschaft fuer Kristallographie / DGK). Kiel, Germany. Details: Institut für Geowissenschaften der Universität Kiel, Olshausenstr. 40, D-24098 Kiel. Tel.: 0431 880 2892/2851. Fax.: 0431 880 4457. E-Mail: dgk2002@min.uni-kiel.de. Web page: http://www.ifg.uni-kiel.de/dgk2002/

11–15 33rd Lunar and Planetary Science Conference. South Shore Harbour Resort and Conference Center, Houston, TX. Details: Publications and Program Services Department, Lunar and Planetary Institute, 3600 Bay Area Blvd., Houston, TX 77058-1113 phone: 281-486-2188; fax: 281-486-2125 Email: perry@lpi.usra.edu. Web page: http://cass.jsc.nasa.gov/meetings/lpsc2002/

10–13 AAPG Annual Convention and Exhibition. Houston, Texas. Details: AAPG Convention Department, 1444 S. Boulder Ave., Tulsa, OK 74119 USA. Phone: 800-364-2274 or 918-560-2679. Email: convene@aapg.org. Web page: http://www.aapg.org.

18–19 Transport and Flow Processes within Shear Zones: Joint International Research Meeting of the Tectonic Studies Group, Geological Society of London. London, England. Details: Ian Alsop, Crustal Geodynamics Group, School of Geography & Geosciences, University of St.Andrews, Fife, Scotland, KY16 9AL UK. E-mail: gia@st-andrews.ac.uk. Web page: http://www.st-and.ac.uk/~www_sgg/tsg2001.html

24–27 EMPG IX: Ninth International Symposium on Experimental Mineralogy, Petrology and Geochemistry. Zurich, Switzerland. Details: EMPG IX Organizing Committee, Institute for Mineralogy and Petrography, ETH Zentrum, Sonneggstrasse 5, CH-8092 ZURICH–SWITZERLAND Phone: +41 1 632 3779 (or 3955); Fax: +41 1 632 1294 . Email: empg@erdw.ethz.ch. Web page:http://eurasia.ethz.ch/empg/

APRIL

1-5 Materials Research Society Spring Meeting. San Francisco, California, USA. Details: Materials Research Society, 506 Keystone Drive, PA 15086-7573, USA. Telephone: 724-779-3003. Fax: 724-779-8313. E-mail: info@mrs.org. Web page: http://www.mrs.org/meetings/spring2002/.

MAY

19-24 International Basement Tectonics Association Meeting. Rolla, MO, USA**.** Details: John P. Hogan, Department of Geology and Geophysics, University of Missouri-Rolla, Rolla, MO 65409-0410. Phone: (573) 364-4618. Fax: (573) 341-6935. E-mail: jhogan@umr.edu

20–24 The Sixth International Symposium on the Geochemistry of the Earth's Surface (GES-6). Honolulu, Hawaii USA. Details: GES-6 Symposium Secretariat, UH Dept. of Oceanography, 1000 Pope Road, MSB 525, Honolulu, HI USA 96822. phone: +1-808-956-6344; fax: +1-808-956-7112. Email: ges6@soest.hawaii. edu. Web page:http://www. soest.hawaii.edu/oceanography/ges-6/

25–30 American Crystallographic Association Annual Meeting. San Antonio, Texas. Details: Wally Cordes. E-mail: wcordes@comp.uark.edu. Web page: http://www.hwi.buffalo.edu/ACA/ACA-Annual/futuremeetings.html

27 – 29 47th Joint Annual Meeting of the Geological Association of Canada and the Mineralogical Association of Canada. Saskatoon, Canada. Details: Mel Stauffer, Department of Geological Sciences, University of Saskatchewan, 114 Science Place Saskatoon SK Canada S7N 5E2. E-mail: mel. stauffer@usask.ca. Web page: http://www.usask.ca/geology/sask2002/index.html

May 28–June 1 AGU 2002 Spring Meeting. Washington, DC. . Details: AGU Meetings Department, 2000 Florida Avenue, NW, Washington, DC 20009. Phone: 1-800-966-2481. Fax: +1-202-328-0566. Email: meetinginfo@agu.org.

JUNE

3–7 Zeolite '02. Thessaloniki, Greece. Details: :Dr. Panagiotis Misaelides, Assoc. Professor, Dept. of Chemistry, Aristotle Univ., P. O. Box 1547, GR-54006 Thessaloniki, Greece. Tel.: ++30 31 99 77 89, Fax: ++30 31 99 77 53. Email: misailid@chem.auth.gr. Web page:http://www.chem.auth.gr/activities/zeo2002

8–13 Annual Meeting of the Clay Minerals Society. Boulder, Colorado, USA. Details:: Co-Chair: Kathryn L. Nagy, Associate Professor, University of Colorado at Boulder, Department of Geological Sciences, Campus Box 399, Boulder, CO 80309-0399 OR Co-Chair Dennis Eberl, Division of Water Resources, USGS, 3215 Marine Street, Boulder, CO 80303 OR Co-Chair Alex Blum, Division of Water Resources, USGS, 3215 Marine Street, Boulder, CO 80303. Email: nagyk@spot.colorado.edu, or ddeberl@usgs.gov, or aeblum@usgs.gov. Web page: http://www.colorado.edu/geolsci/cms/

June 30–July 5 16th Australian Geological Convention. Adelaide, Australia. Details: The Organising Committee, 16th AGC, PO Box 6129, Halifax Street, Adelaide, South Australia 5000 Australia. Tel: +618 8227 0252 Fax: +618 8227 0251. E-mail: 16thagc@sapro.com.au. Web page: http://www.16thagc.gsa.org.au/

JULY

21–26 The 65th meeting of the Meteoritical Society. Los Angeles, California, USA. Details: Dr. Paul H. Warren, Institute of Geophysics & Planetary Physics, UCLA, Los Angeles, CA, 90095-1567. phone 310-825-3202, fax 310-206-3051. Email: pwarren@ucla.edu. Web page:http://www.uark.edu/campus-resources/metsoc/newmeet.htm.

25–25 9th International Platinum Symposium. Billings, MT, USA. Details: Roger Cooper, Dept. of Geology, Lamar Univ.,P.O. Box 10031, Beaumont, TX 77710, USA. Phone: 409-880-8239. E-mail: cooperrw@hal.lamar.edu. Web page: http://www.platinumsymposium.org.

22–27 11th Quadrennial IAGOD Symposium and GEOCONGRESS 2002. Windhoek, Namibia. Details: The Secretary, IAGOD/GEOCONGRESS 2002, P.O. Box 44283, Linden 2104, South Africa. E-mail: gssa@ pop.onwe.co.za. Web page: http://www.geoconference2002.com.

AUGUST

6–15 19th Congress and General Assembly of the International Union of Crystallography. Geneva, Switzerland. Details: Congress Secretariat, XIX Congress and General Assembly of the IUCr, P.O. Box 50006, Tel Aviv 61500, Israel. Tel: 972 3 5140000. Fax: 972 3 5140077. e-mail: iucr@kenes.com. Web page: http://www.kenes.com/iucr/index.html

17–23 12th V.M. Goldschmidt Conference incorporating ICOG X. Davos, Switzerland. Details: Prof. A. Halliday, Institut fur Min.und Petrographie, ETH-Zentrum, CH-8092, Zurich. Email: halliday@erdw.ethz.ch. Web page: http://www.goldschmidt-conference.com/gold2002/.

SEPTEMBER

1-6 September 2002 Mineralogy for the New Millennium (IMA 2002) 18th General Meeting of the International Mineralogical Association, Edinburgh, Scotland. Details: Dr. Adrian Lloyd-Lawrence, Executive Secretary, Mineralogical Society of Great Britain and Ireland, 41 Queen's Gate, London SW7 5HR, U.K. Phone +44 (0)20 7584 7516, Fax: +44 (0)20 7823 8021 E-mail: info@ minersoc.org. Web site http://www.minersoc. org/IMA2002.

10–11 Uranium 2002—Uranium deposits from their genesis to their environmental aspects. Prague, Czech Republic. Details: Bohdan Kribek, Czech Geological Survey, Geologická 6, CZ-152 00 Praha 5, Czech Republic. Tel., Fax: +420-2-5817390. E-mail: kribeck@cgu.cz. Web page: http://xrd.cgu.cz/uranium.htm.

OCTOBER

6–10 The Minerals, Metals & Materials Society 2002 Annual Fall Meeting. Columbus, OH. Details: TMS Programming Department, 184 Thorn Hill Road, Warrendale, Pennsylvania 15086. Tel. (724) 776-9000, ext. 237; fax (724) 776-3770. E-mail: ckobert@tms.org. Web page: http://www.tms.org/Meetings/Fall2002/Fall2002.html.

11–14 Mineral Diversity—Research and Preservation. Sofia, Bulgaria. Details: Organizing Committee, Earth and Man National Museum, 4, Cherny Vrah Blvd., 1421 Sofia, Bulgaria. phone (+359 2) 656 639; Fax (+359 2) 661455. E-mail: mindiv @web.bg. Web page: http://www. lam.mus.ca.us/~smmp/meetings. htm.

27–30 Geological Society of America Annual meeting. Denver, CO, 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.

NOVEMBER

26–30 Materials Research Society Fall Meeting. Boston, MA 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. Web page: http://www.mrs.org/meetings/fall2001/

DECEMBER

6–10 AGU 2002 Fall Meeting. San Francisco, CA, USA. Details: AGU Meetings Department, 2000 Florida Avenue, NW, Washington, DC 20009. Phone: +1-202-462-6900 (in D.C. or outside North America) or 1-800-966-2481 (toll-free in North America). Fax: +1-202-328-0566. E-mail: meetinginfo@agu.org. Web page: http://www.agu.org/meetings.

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. E-mail: meetingsinfo@agu.org; http://www.agu.org/meetings/

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. Web page: http://www.mrs.org/meetings/future_meetings.html

JUNE

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. 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. Web page: http://www.gly.uga.edu/CMS2003.

The Mineralogical Society of America

announces the 2003

GRANT FOR RESEARCH IN CRYSTALLOGRAPHY

From the Edward H. Kraus Crystallographic Research Fund with contributions from MSA membership and friends

and the 2003

MSA GRANT FOR STUDENT RESEARCH IN MINERALOGY AND PETROLOGY

from an endowment created by contributions from the MSA membership

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). Completed applications must be received by June 1, 2002.

Check out the MSA web site: www.minsocam.org

Information Form for the *Earth Sciences Speakers Directory*

Yes! I want to advance the public's knowledge of the importance of minerals and the earth sciences. I am willing and able to speak to mineral clubs, Scout groups, museums, schools, etc., about the earth sciences. Please add me to the *Earth Sciences Speakers Directory*. PLEASE TYPE OR PRINT CLEARLY.

Full Name (Title, First, Middle, Last): _____

Affliation: _____

Primary Address:_____

_____

City: _____

State/Prov: _____ ZIP: _____

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FAX: _____

Email: _____

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2nd address: _____

_____

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State/Prov: _____ ZIP: _____

Country: _____

Phone: _____

FAX: _____

Email: _____

WEB: _____

Professional Background:

Degree/year: _____ Major: _____ College/Univ: _____

Current / most recent employer:_____Title:_____ Retired? __

Professional societies: ☐ MSA ☐ FM ☐ GSA ☐ SEG ☐ SME ☐ Other: _____

Topics and Titles of talks, programs, and/or demonstrations which I can give:

Topic	Title of Talk *(e.g. Topic="Volcanoes", Title = "Minerals from Mt. St. Heler*
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Please list up to 3 articles you have authored about which you'd be willing to talk to the public:

_____

_____

_____

I'm willing and interested in speaking to the following types of groups:

☐ General public ☐ Rock & Mineral clubs ☐ Gem & Mineral shows ☐ Museum groups
☐ Grade schools ☐ High schools ☐ Professional groups ☐ Youth groups (Scouts, etc.)
☐ Other: _____

Do you require:

Honorarium? ☐Yes ☐No ☐No, but I'd like one! How much? $_____

Travel expenses? ☐Yes ☐No I'm am not willing to travel more than _____ miles from my home.

Equipment? ☐ Slide projector ☐ Overhead projector ☐ Video player ☐ Video projector

I am willing to have the information above listed in the Earth Sciences Speakers Directory.

Print Name:_____ Signature:_____Date: _____

Send completed forms to: Dr. Andrew Sicree (Director, Penn State Univ. Museum), Attn: Speaker's Directory, PO Box 10664, State College, PA 16805. Call (814) 865-6427 or email <sicree@geosc.psu.edu> for more info. Please feel free to add additional comments and/or materials such as bio., CV, clippings, other work and speaking experience.

Notes from Washington, Continued from page 4

der, CO. Convenors: *Paul Fenter, Mark L. Rivers, Neil C. Sturchio, Stephen Sutton*. Sponsor: The Geochemical Society.

–Phosphates: Geochemical, Isotopic, and Materials Importance. October 26-27, 2002 - preceding the 2002 GSA Denver Meeting, Golden, CO. Convenors: *John M. Hughes, Matthew Kohn, and John Rakovan*. Sponsor: The Mineralogical Society of America.

More information about these short courses will be available in the May 2002 *Lattice* and from the MSA (www.minsocam.org) and GS (http://gs.wustl.edu) websites.

The 2001 short courses were *Stable Isotope Geochemistry* short course (organized at GSA by John W. Valley and David R. Cole) with 80 participants and *Nanoparticles in the Environment and Technology* (organized by Jill Banfield and Alex Navrotsky before Fall AGU) with 89 participants as of mid-November. MSA's third workshop on *Practical Application of XRF Techniques to the Analysis of Geological Materials* (at GSA) had 24 participants. This was a sufficiently large turnout so that an additional session had to be organized. Dave Coler (Philips) and James Willis (retired, University of Capetown) were the organizers. There will likely be a fourth Workshop sponsored by MSA's Mineral Structures Interest Group at the Spring AGU meeting.

• MSA Council will have its Spring 2002 Council Meeting and the presentation of the 2002 Dana Medal to Michael Hochella at the 2002 Spring AGU Meeting in Washington, DC. Presently the technical sessions will run from Tuesday May 28, 2002 through Saturday, June 1, 2002. You will be receiving more information from AGU about this meeting in the immediate future.

• 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. If you interested in organizing a technical session or other event for this meeting, please contact General Chair Paul A. Schroeder (706) 542-2384 or schroe@gly.uga.edu.

• MSA received the *American Mineralogist* collections of Clifford Frondel, Barbara Ransom, and W.J. Croft. These contained a fair number of unbound copies of the earliest issues. Unbound sets are easier to copy for MSA's document delivery service, and, more importantly, unbound originals may be needed to produce an electronic version of the entire run of *American Mineralogist*. MSA now has unbound copies of all issues starting with volume 7 (1922), though some show the tell-tale signs of chemical blowpipe analysis stains and a slight odor of immersion oils and need to be replaced if better copies surface. We have only a scattering of issues in volumes 1–6. If you have any of these earliest issues, even single issues, and would like to find them a home, let us know.

• There are three new publications in the Mineralogical Society of America and the Geochemical Society *Reviews in Mineralogy and Geochemistry* (RiMG) series: Volume 43: *Stable Isotope Geochemistry* edited by J.W. Valley and D. Cole, Volume 44: *Nanoparticles in the Environment and Technology* edited by J.F. Banfield and A. Navrotsky, and Volume 45 *Natural Zeolites: occurrence, properties, application* edited by D. Bish and D. Ming. The RIMG volume accompanied the Transformation Processes in Minerals short course in Cambridge, England was reviewed by Mark D. Welch in *Canadian Mineralogist* 39, 215. If you have not yet bought your copies, use the publication order form in this issue of *The Lattice*, or order them online.

• MSA is an Associated Society of GSA. Starting in 2000, GSA has attempted to strengthen its relationships with its associated societies. The Associated Societies are an integral part of GSA's overall scientific and disciplinary breadth and actively participate in the Annual Meeting program or collaborate with GSA in other substantial ways such as in co-publishing. Associated Societies are entitled to equivalent participation, rights, and privileges as a GSA Division. MSA is represented on several GSA Working Groups of the Associated Societies (Publications, Global, Outreach) newly established to identify common concerns. More recently, GSA asked MSA to be part of a task force that is considering the possibility of a consortium of geoscience societies that would aggregate to electronically publish and market their journals, books, etc.

• The Mineralogical Society of America Dana Medal was named in honor of James Dwight Dana (1813–1895) and Edward Salisbury Dana (1849–1935). E.S. Dana was Honorary MSA President from 1926–1935, and MSA has a picture of him from the journal that we use in descriptions of the award. We do not have a picture of J.D. Dana and would appreciate information about a source of a non-copyrighted portrait of him. ■

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