



Supplement to *Meteoritics & Planetary Science*, vol. 43, no. 10  
The Meteoritical Society Newsletter  
(October 2008)

*A report of the business carried out by the society over the past year, edited by Jeff Grossman, Secretary.*

**FROM THE PRESIDENT**

**President's Editorial**

**Joseph I. Goldstein**

It has been a pleasure to serve as your president and to work with so many of you to improve our society. I have a few months remaining of my presidency and I am in the process of filling vacancies on our major committees, my last major task. I want to thank our officers, members of the council, and committee members for their hard work. I continue to be impressed by the loyalty of our members and their willingness to help make our society stronger. Unfortunately, I cannot thank everyone who contributed over the last two years for their efforts. However, I want to mention the special contributions made by Gary Huss, Rainer Wieler and Jeff Grossman. Gary Huss took on the leadership of our new membership committee. Through the efforts of Gary and his committee, we have some 100 new members, a new award for service to the society, a program for dues relief for members of low income countries, and a soon-to-be distributed membership brochure that we can display at meetings and give to colleagues in our field. Rainer Wieler has undertaken the leadership of a planning committee for our journal *Meteoritics and Planetary Science (MAPS)*. With declining institutional subscribers and the increasing use of electronic journals by libraries and our members, we need to plan for the future. Rainer's committee has asked potential publishers to submit proposals for publishing *MAPS*. With these proposals and our financial projections, we will be able to better plan for the future and confront potential escalating costs for the journal. This planning effort will continue at least through the next year under the leadership of Hiroko Nagahara, our incoming president. Jeff Grossman has contributed an incredible amount of his time as secretary to help make the society function. He negotiated the contract with the Mineralogical Society of America to handle our membership and dues collection, negotiated with NASA and LPI for continuing funding of students to attend our annual meeting, edited our meteorite data base, organized this president so that the business of the society is attended to, and the list goes on. In addition to these colleagues, I would like to thank Keiji Misawa and Hideyasu Kojima for organizing the Matsue Meteoritical Society meeting last summer and Hiroko Nagahara for developing a first rate technical program for the meeting. The Matsue meeting was a major success and all of us who attended were treated to the best in Japanese hospitality and a first rate technical program.

The rest of this editorial discusses finances and endowment, an important issue, which I would like to bring to your attention.

*Finances and Endowment*

The Meteoritical Society has an endowment fund worth about \$500,000. The funds' primary purpose is to provide for an economically secure and vital future for the society. We have used funds generated from the endowment (about 4 to 5% of the endowment) each year to fund special initiatives such as assisting scientists from economically disadvantaged countries, student travel,

special workshops on meteorites, development of a new membership initiative, etc. This fund is administered by the endowment committee of the Meteoritical Society and the funds are invested in a conservative manner. You will soon receive a brochure which discusses the endowment fund in more detail.

This year we received donations from Gordon McKay's colleagues and friends and a major gift from his wife, Linda Uljon, to set up a permanent endowment fund of over \$25,000 to support a Gordon A. McKay award for the best student presentation at a Meteoritical Society meeting. This addition to our endowment fund will allow us to continuously support this award with a cash prize. Special endowment funds such as this or individual gifts will increase the amount of our funds that can be used for special activities and for expanding the programs of our society.

We recognize that our annual dues cannot provide funds for new and special initiatives and that income from publications may not be a steady source of income. Therefore we must increase the size of our endowment fund to secure our future. This year we will begin approaching members of the Meteoritical Society to have discussions about how they would like to see the society develop in the future and if they might help by donating to the endowment fund. Some members may wish to consider legacy gifts; gifts or bequests that are given to the society in their will or at appropriate times during their lifetime. These legacy gifts insure that their gifts help the society to continue to develop and prosper well into the future. I know we are all interested in helping our field of meteoritics and planetary science expand and develop, and legacy gifts help make sure that we have the funds. These funds will be used to help develop the careers of our members, identify initiatives that educate ourselves and the public, and to enable us to continue to expand as an international society. I hope you will welcome this initiative to ensure our future and will think about participating in the support of our endowment fund.

**CALL FOR NOMINATIONS**

The Meteoritical Society depends on you, the members, to nominate highly qualified candidates for our five awards. Our award committees are actively seeking additional nominations. Please consider whether you can contribute by nominating well-deserving colleagues and students. See page 4 for details about how to make nominations.

**Nomination deadlines:**

Jan 15, 2009: Leonard Medal, Barringer Medal  
Nier Prize

Jan 31, 2009: Service Award, Pellas-Ryder  
Award

### Officers and Future meetings

I would like to welcome the new officers of the society who will begin their service on January 1, 2009. Hiroko Nagahara (Japan) president. Ed Scott (US) president elect. New council members for 2009-2010 are Gretchen Benedix (UK), Harold Connolly (US), Alex Deutsch (Germany) and Keiji Misawa (Japan). I want to thank the following officers and council members for their service: Herbert Palme (Germany), past president, Marc Chaussidon (France), Henning Haack (Denmark), Noriko Kita (US, Japan), and Jutta Zipfel (Germany) council members.

Our 2009 meeting of the Meteoritical Society will take place from Monday July 13 to Saturday July 18, in Nancy, France. The meeting will break on Tuesday, July 14, for Bastille day, with the main sessions running Wednesday through Saturday. Sessions will be in the Faculty of Law building and a workshop on experimentation in cosmochemistry is planned. The technical and social program are being handled by Bernard Marty, Marc Chaussidon, and their colleagues. This promises to be a very good meeting. Please put the dates on your calendar and I hope to see many of you in Nancy in my new role as past president.

---

## METEORITICS & PLANETARY SCIENCE

### Editor's Report

A. J. Timothy Jull

I would like to summarize briefly the status of our journal, Meteoritics and Planetary Science. Scientifically, the journal is doing well. We have some important changes which we have made to the electronic access for the journal, and also to the typesetting process.

#### University of Arizona Library hosting

We have transferred our electronic copies (2003 and onwards) of *MAPS* from Ingenta to the University of Arizona Library "Digital Commons." This service is more cost-effective and has also eliminated a number of problems we had with Ingenta. The Library service also has a better search engine.

#### Production backlog and typesetting of papers

Due to the volume of papers, it became difficult to continue our previous practice of typesetting papers in Tucson. This resulted in a serious backlog of papers in the production phase, that is, before you receive the proof copy. We now have all typesetting done using a service in India with an American service office, called Aptara. Our experience is that this company is most efficient and will turn around the typesetting of an issue in about a week or so. We initially used this company for the last 2 issues of 2007 – and we have been using it for all issues since March 2008.

Our production backlog is now reduced and we hope to eliminate it in the fall. July 2008 is now at the printer. We do a final proofing check in Tucson using our staff. Of course, authors still receive final proofs and we expect authors review this material carefully.

#### Statistics

Here is a summary of number of papers printed since 2003:

Year	Number of papers	Pages printed	Pages/paper
2008	69 <sup>†</sup>	1300	15.9
2007	142	2375	17.0
2006	132	2233	16.9
2005	117	2187	18.7
2004	136	2352	17.3
2003	127	2123	16.7

<sup>†</sup>Through June, excluding supplement

#### Budget

Our journal currently operates with an annual budget of about \$375,000. This budget increases by a small amount each year. We have 178 institutional subscribers and about 950 personal subscriptions. The society supports the journal from member subscriptions with a subsidy of \$98,200 per year. One concern of the council is the long-term stability of the journal, especially in the light of current financial concerns worldwide. The Publications Committee is considering several alternatives for future publication of *MAPS* from the status quo, to non-profit or commercial publishers. None of these changes would alter the current editorial board at the current time.

Over the last year or so, we have instituted a page charge for papers exceeding 15 pages. This has worked quite well, both in limiting the size of some papers, but also as a source of additional revenue.

If you have any immediate concerns about *MAPS*, please contact our office. We are always happy to assist both authors and subscribers.

We look forward to a successful year for *MAPS* in 2009.

---

## GEOCHIMICA ET COSMOCHIMICA ACTA

### Editor's Report

Frank A. Podosek

#### Geochimica Procedures Will Change

The *Geochimica et Cosmochimica Acta* (*GCA*) editorial office will retain some of the functions of its website, but others will be phased out in the future. We already receive and send a lot of our files – manuscripts, reviews and correspondence, etc. – through e-mail as well as upload and download on our website. The e-mail route seems easier for authors and reviewers and we anticipate that this will become the main method of communication. The website

will be retained to provide information on submission procedures, manuscript guidelines and other information about the journal.

When the *GCA* editorial office moved to St. Louis nine years ago, correspondence and manuscript transmittal was still done mostly by snail mail. Basically, we immediately went to e-mail for most correspondence and set up our website (<http://gca.wustl.edu>) for submission of manuscripts, transmission of manuscripts to reviewers and AEs, and submission and transmission of reviews and editorial reports. An important factor in going the way of the website rather than just e-mail was that many people had slow internet connections and limited disk space, especially for their home

computers, and did not like the idea of e-mails, unsolicited or not, with files that had a significant impact on their bandwidth and their disks. With a website, at least you could pick the time and location at which to download or upload files. These days, the rapid expansion of moderately priced disk storage and the growing prevalence of fast internet connections seem to render these concerns mostly moot. Most scientists nowadays are evidently thoroughly familiar with e-mail and comfortable with file transmittal by e-mail, so this seems now a route preferable to website file transmittal with its usernames and passwords and rigid protocols. (We will continue to use our existing e-mail address, office@gca.wustl.edu, for all correspondence and file transmittal.)

Websites do have some advantages, however, notably including the fact that they are mostly operational 24/7, so that if you really

want to get a copy of that manuscript you're supposed to review at 11 PM on a Friday, and don't want to wait until Monday morning, a website server will be happy to oblige. To retain this capability, for authors, reviewers and AEs alike, we will in fact use Elsevier's EES (Elsevier Editorial System) website in parallel with our more informal e-mail communications. You will be able to use the EES facility as much or as little as you like. If you submit a manuscript or a review by e-mail, the editorial office staff will get it into the EES system for you, and if you need a file we will mail it to you or you can fetch it from EES, as you prefer. If it suits you, you can handle most of your interactions with the journal through EES, or you can do everything by e-mail without having anything at all to do with EES.

---

## SOCIETY AWARDS AND HONORS

### New award winners

Currently, the Meteoritical Society has four awards, which are presented annually, and jointly sponsors the Pellas-Ryder Award for best student paper in planetary science. In addition, the Society now selects the winner of the Brian Mason Award. The society also elects fellows in years divisible by two.

The Leonard Medal honors outstanding contributions to the science of meteoritics and closely allied fields. It was established to honor the first president of the society, Frederick C. Leonard. In 2009, the Leonard Medal will be presented to **Lawrence Grossman** for his leadership role in study of vapor-solid formative processes in the early solar system and in the study of the history of refractory materials in meteorites.

The Barringer Medal and Award recognize outstanding work in the field of impact cratering and/or work that has led to a better understanding of impact phenomena. The Barringer Medal and Award honor the memory of D. Moreau Barringer and his son, D. Moreau Barringer, Jr., and are sponsored by the Barringer Crater Company. At the annual meeting in 2009, the Barringer Medal will be presented to **Wolf Uwe Reimold**. He is recognized for his studies of the Vredefort impact structure in South Africa, as well as contributions to many fields, including shock metamorphism, petrology and geochemistry of impact melt basalts, analysis of lunar rocks and meteorites, as well as his detailed studies of other terrestrial impact craters.

The Nier Prize recognizes outstanding research in meteoritics and closely allied fields by young scientists. Recipients must be under 35 years old at the end of the calendar year in which the council selects them. The award honors the memory of Alfred O. C. Nier, and is supported by an endowment given by Mrs. Ardis H. Nier. The 2009 Nier Prize will be presented to **Gordon Osinski** for his advances in the understanding of petrology and field aspects of impact cratering.

The Service Award honors members who have advanced the goals of the society to promote research and education in meteoritics and planetary science in ways other than by conducting scientific research. Winners are granted lifetime membership in the Meteoritical Society. Because of a change in the timing of this award, there are two awards to announce since the last newsletter. The 2008 Service Award, presented at the Matsue meeting, went to **Drew N. Barringer** for his outstanding support of the Meteoritical Society, meteorite and impact cratering research, student education, and public outreach. The 2009 Service Award will be presented to

**Derek W. G. Sears**. Over the course of a decade as Editor of the society journal, Derek transformed it into the highly respected international scientific journal that we have today.

The Pellas-Ryder Award for best student paper on planetary sciences is jointly sponsored by the Meteoritical Society and the Planetary Geology Division of the Geological Society of America. It is given to undergraduate or graduate students who are first authors of a planetary science paper published in peer-reviewed scientific journals. The prize includes a plaque and a cash award of \$500. This year's award for best paper submitted in 2007, was presented at the Matsue meeting to **Mathieu Touboul** for his paper, "Late formation and prolonged differentiation of the Moon inferred from W isotopes in lunar metals" (*Nature* **450**, no. 7173, pp. 1206-1209 [2007]).

The Brian Mason Award is for the best Meteoritical Society abstract submitted by a student who also agrees to publish a popular article in *Meteorite* magazine. The award is co-sponsored by the International Meteorite Collectors Association (IMCA) and *Meteorite*, with the selection being made by the program committee for the annual meeting. The 2008 Mason Award winner was **Maitrayee Bose**, a student at Washington University, for her abstract, "Iron-enriched stardust grains in the meteorites Acfer 094, QUE 99177, and MET 00426."

Finally, 10 new Meteoritical Society fellows were elected by the council in 2008. These were: **Conel M. O'D. Alexander, Drew N. Barringer, Guy J. Consolmagno SJ, George J. Flynn, Alex N. Halliday, Trevor R. Ireland, Randy L. Korotev, Steven J. Ostro, Carolyn S. Shoemaker, and Timothy D. Swindle**.

Complete lists of fellows and past award winners are available on the society website.

### Award Committees

The Leonard Medal Committee, which nominates awardees for the Leonard Medal and the Nier Prize as well as society fellows, was chaired in 2008 by Frank Podosek. The other members were Mike Gaffey, Monica Grady, Christian Koeberl and Tim McCoy. Christian Koeberl will be the new chair for 2009.

The members of the Barringer Medal Selection Committee this year were Natascha Artemieva, Nadine Barlow, Christian Koeberl, and Bernd Milkereit (chair). Next year Natascha Artemieva will chair the committee.

The Membership Committee is charged with administering the Service Award. In 2008, the members were Gary Huss (chair), Addi

Bischoff, Hasnaa Chennaoui, Candace Kohl, Caroline Smith, and Akira Yamaguchi. In 2009, the committee will again be chaired by Gary Huss.

The Committee for the Pellas-Ryder Award was chaired this year by Meenakshi Wadhwa, representing the Meteoritical Society. The other members were Mike Weisberg and Anders Meibom (MetSoc), and Herbert Frey, Louise Prockter, and Aileen Yingst (GSA). Herbert Frey will chair the 2009 committee, which will select the best student paper submitted in 2008.

## Nominations

Members are strongly urged to nominate candidates for the society's awards. Below are the procedures to follow.

### *Leonard Medal and Nier Prize* *Deadline January 15, 2009*

Nominations for the Leonard Medal and Nier Prize should include: (a) a formal letter of nomination, (b) a biographical sketch of the candidate, (c) a list of publications covering the work to be considered for the award, (d) additional substantive information, such as statements as to the importance of the nominee's research to the field of meteoritics and/or to the research of others, (e) one seconding letter in support of the nomination (additional letters are encouraged). Nominations for the Nier Prize should also include the candidate's birth date; a nomination is void if the candidate will reach the age of 35 before the end of calendar year of the selection. If the research for the Nier Prize was performed and published with a research advisor or with multiple authors, a statement must be included that describes the nominee's leading role in the research. Electronic submissions are preferred, and should be sent to Dr. Christian Koeberl (christian.koeberl@univie.ac.at), University of Vienna, Dept of Geological Sciences, Althanstrasse 14, AT-1090 Wien, Austria.

### *Society Fellows*

No fellows will be elected again until 2010, but nominations are always welcome and should include a summary of the candidate's

accomplishments (suggested length: ~150-200 words) together with a list of 5-10 of the candidate's most significant publications, including titles. Nominations should be sent to Christian Koeberl at the address given just above.

### *Barringer Medal* *Deadline January 15, 2009*

Nominating letters should include: (a) a biographical sketch of the candidate, (b) a summary and evaluation of the accomplishments of the candidate and the importance of the candidate's work, (c) a list of publications covering the work to be considered for the award, and (d) one or more seconding letters. Please send nominations to Dr. Natalia Artemieva (artemeva@psi.edu), Planetary Science Institute, 1700 E. Ft. Lowell, Suite 106, Tucson, AZ 85719, USA.

### *Service Award* *Deadline Jan 31, 2009*

Nominating letters should include a biographical sketch of the candidate and additional substantive information, such as statements as to the importance of the nominee's activities to the field of meteoritics and/or to the research of others. One or more seconding letters in support of the nomination are strongly encouraged. Send nominations to Dr. Gary R. Huss (ghuss@higp.hawaii.edu), Hawaii Institute of Geophysics and Planetology, University of Hawaii at Manoa, 1680 East-West Road, POST 504, Honolulu, HI 96822, USA.

### *Pellas-Ryder Award* *Deadline January 31, 2009*

Nominations should include the full citation of the paper and a brief description of the significance of the paper. Two letters of certification are required, one from the student's department head attesting that the individual was a student at the time of paper submission to the publishing journal, and another from the student's advisor detailing the portion of the work done by the student and contributed by others including the advisor. Send nominations to Dr. Herbert Frey (Herbert.V.Frey@nasa.gov), NASA/Goddard Space Flight Center, Code 698, Greenbelt, MD 20771-0001, USA.

---

## ANNUAL MEETINGS

### **2008 Matsue, Japan** **Hideyasu Kojima and Keiji Misawa**

The 71st annual meeting of the society was held July 28–August 1, 2008, in Matsue, Japan. The venue for the meeting was the Kunibiki Messe located along a river connecting Lakes Shinji and Nakanoumi. The meeting was hosted by the Antarctic Meteorite Research Center, National Institute of Polar Research (NIPR), with major support from Shimane Prefecture, Matsue City, NIPR, the Graduate University for Advanced Studies (SOKENDAI), and the Lunar and Planetary Institute.

The meeting started with a welcome reception on Sunday evening. Three hundred and nine registered participants and 25 guests attended the meeting. The program committee accepted 326 abstracts for oral or poster presentations. In two parallel sessions, 189 talks and one special lecture were presented from Monday morning to Friday noon and 121 posters were on display, with a formal poster session on Tuesday evening. On Monday and Tuesday, participants enjoyed powdered green tea in a tea-ceremony booth.

Wednesday morning was reserved for the plenary session, including the medal ceremony. The Leonard Medal was presented to Edward Scott, the Barringer Medal was presented to Frank Kyte, the

Nier Prize was presented to Shogo Tachibana, and the Meteoritical Society Service Award to Drew Barringer.

The travel grants were sponsored by the Barringer Crater Company, the Planetary Studies Foundation, SOKENDAI, and Siliconit Co., Ltd. Twelve U.S. students and post-doc fellows received support from the NASA Cosmochemistry Program.

On Wednesday afternoon, participants and guests visited the Adachi Museum of Art in which they enjoyed both its superb Japanese gardens and its collection of contemporary Japanese paintings. After that, the participants visited Izumo Taisha Shrine and were allowed to have the honor of seeing Honden, the main building of Izumo Shrine, for the first time in 60 years because of the temporary removal of the object of worship from the shrine during its rebuilding. After the excursion trip, the conference banquet was held at the Matsue Vogel Park with local fresh foods: sashimi, sushi, tempura, soba noodle, etc. and drinks. The park was a breathtaking showcase of flowers such as begonias and fuchsia. A spectacular Japanese drum attraction was performed.

The farewell party was held at the Kunibiki Messe just after closing the Friday session.

Two post-conference excursions were carried out.

The Kita-Kyushu excursion took 11 participants to the site where the world's first recorded meteorite fall was observed. The participants visited Suga Shrine in Fukuoka Prefecture and took a close look at the Nogata meteorite (L6) which fell on May 19, 861, and has been kept at the shrine. The excursion also included Dazaifu Shrine and Kyushu National Museum in Dazaifu City.

Twenty-two participants visited the Iwami Ginzan Silver Mine site, and enjoyed the archaeological remains of large-scale mines, smelting and refining sites and mining settlements worked between the 16th and 20th centuries.

The pre-conference workshop, Antarctic Meteorites: Search, Recovery, and Classification, was held July 26–27, 2008, in conjunction with the annual meeting at the Kunibiki Messe. The workshop was organized by Hiroshi Kaiden of NIPR and Kevin Righter of NASA-JSC. Seventy-three participants discussed issues relating to meteorite collections, and how to allow these new discoveries to have the largest impact on our field.

The public lecture, Explore the Solar System, was held at the Kunibiki Messe on Sunday afternoon. Lecturers were Manabu Kato of JAXA and Mike Zolensky of NASA-JSC. More than a hundred citizens, including children, attended the lecture.

## 2009 Nancy, France

**Marc Chaussidon, Guy Libourel, Bernard Marty**

The 72nd annual meeting of the Meteoritical Society will be held July 13–18, 2009, in Nancy, France. Located in Lorraine in the northeast of France, the city of Nancy is known all over the world thanks to Place Stanislas, a magnificent example of classical French architecture, considered the most beautiful royal square in Europe. It is the high point of Nancy's outstanding collection of 18th century monuments, on UNESCO's World Heritage List. Nancy is also a prestigious center of art and architecture, mainly in response to the work of the "Ecole de Nancy," a group of artists and architects who worked in the Art Nouveau style at the end of the 19th and beginning of the 20th century. To be immersed in this historical atmosphere, the meeting will be held in the city center, within walking distance of hotels and the railway station. The venue for the meeting is the faculty of law on the Place Carnot, near (≈ 300 m) Place Stanislas.

Nancy is served by Metz-Nancy Lorraine regional airport (<http://www.metz-nancy-lorraine.aeroport.fr>) and by the TGV EST - Eastern France-Europe high speed train ([http://www.tgv.com/EN/index\\_HD.html](http://www.tgv.com/EN/index_HD.html)). If you are coming from overseas, while there are many options for coming to Nancy, we strongly recommend flights arriving at Charles de Gaulle (CDG) international airport in Paris. The two simplest options are i) Flight to CDG in Paris and then direct TGV EST train (CDG-Lorraine station): 70 minutes; 3 connections/day at ≈ 7:30 am, 12:30 pm, and 7:30 pm (buses will be waiting at Lorraine station to take MetSoc attendees on the 25 minute trip to downtown Nancy), or ii) Flight to CDG and then go to (or stay in) Paris and take a direct TGV EST train (Paris Gare de l'Est-Nancy), 90 minutes; ≈ 10 connections/day and then walk to your hotel. Nancy offers plenty of hotel rooms and many of them offer very reasonable rates (however attendees are encouraged to register early because July is a tourist season).

Accommodations in several hotels within walking distance of the railway station and the meeting venue have already been booked at a special price for the conference (from 35-60€ ★★/★★★ up to 150€ ★★★★★). The meeting web site (<http://www.metsoc2009.org/>) will provide information and links for booking (through Nancy Congres), emphasizing low- and mid-priced hotels. In July, the weather is on average sunny and dry. High temperatures are approximately 30–35°C (86–95°F) and lows are around 20°C (68°F).

Registration will start on Monday afternoon, July 13, and will be followed by a welcome reception. Tuesday, July 14, is Bastille Day and is reserved for excursions to WWI battle fields, the Vosges mountains, or Côtes de Toul vineyards. Oral sessions will be held from Wednesday morning to Saturday at noon in two air conditioned amphitheatres of the faculty of law. Attendees are requested not to register on Wednesday morning since sessions will start early. Two poster sessions are scheduled for Tuesday and Friday evenings in the cloister. The banquet will be held Thursday evening at Pont à Mousson (a 20-minute bus ride from Nancy) in "Abbaye des Prémontrés" (13th century) on the Moselle riverside.

A three-day pre-conference workshop (from Saturday to Monday, July 11–13) entitled, "Experimentation in cosmochemistry: from nebulae to planets," will be organized. A four-day pre-conference fieldtrip (Friday-Monday, July 10-13) to the Rochechouart impact structure (SW France) will also be organized. More detailed information on the workshop and fieldtrip will be available on <http://www.metsoc2009.org>.

The first announcement of the meeting will be mailed in November 2008 by the Lunar and Planetary Institute. For more information please contact us through the Nancy MetSoc website (<http://www.metsoc2009.org/>). Note that a suggestion box will be opened on the website and we encourage the attendees to use this box to ask questions and make suggestions on all logistic details they would like to bring to our attention (e.g. day-care, etc.).

### Important Dates:

March 5, 2009	Indication of interest deadline; second announcement on-line at LPI website.
April 28, 2009	Deadline abstracts submission.
May 28, 2009	Final announcement, program, and abstracts on-line at LPI website.
June 5, 2009	Pre-registration deadline for reduced rates.
July 11, 2009	Pre-conference workshop, "Experimentation in cosmochemistry: from nebulae to planets."
July 13, 2009	72nd annual meeting of the Meteoritical Society begins.

### MetSoc Meeting calendar

Year	Dates	Location	Contact
2009	July 13–18	Nancy, France	Marc Chaussidon
2010		New York, USA †	Denton Ebel
2011		Greenwich, UK	Gretchen Beneditx
2012		Cairns, Australia	Trevor Ireland

† Change of venue. At press time, plans to move the 2010 meeting from Toronto to New York are still under development.

---

## NEW COUNCIL FOR 2009-2010

---

President:	Hiroko Nagahara	Japan	Councilors:	Rhian Jones	U.S.	2nd term
Vice President:	Ed Scott	U.S.		Gopalan Srinivasan	Canada	2nd term
Past President:	Joe Goldstein	U.S.		Mark Thiemens	U.S.	2nd term
Secretary:	Jeff Grossman	U.S.	3rd term	Rainer Wieler	Switzerland	2nd term
Treasurer:	Alan Rubin	U.S.	2nd term	Gretchen Benedix	U.K.	1st term
				Harold Connolly	U.S.	1st term
				Alex Deutsch	Germany	1st term
				Keiji Misawa	Japan	1st term

---

## FINANCES

### Treasurer's Report

Alan Rubin

#### *Current Fiscal Year*

The current 2008-2009 fiscal year began on 1 June 2008. We estimate receiving \$92,675 in dues and \$7000 in gifts. We have already received \$42,020 in royalties from Elsevier.

Fixed costs for the society include \$98,200 per year for MAPS, \$7000 for GCA office support, about \$14,000 for MSA office support, and support for various committees, awards, bank fees, travel support, tax assistance, tax-return filing fees, bank fees, liability insurance, and website costs. I am projecting a budget deficit of about \$8,000 for the fiscal year. The deficit is due largely to a less-than-expected amount of Elsevier royalties; last year we received \$63,030.00.

#### *Assets*

As of August 31, 2008, the society's total assets were \$670,000. This includes \$475,000 in the Endowment Fund (now a single account at A. G. Edwards) and \$195,000 in two checking accounts. The Nier Fund, which stood at \$45,600 at this date, is part of the Endowment Fund. The Gordon A. McKay Fund, which will be used to fund awards for best student presentations at MetSoc meetings, was recently established by generous donations (see below). As of 16 September 2008, the McKay Fund stands at \$26,686; this amount (which is currently in a checking account) will be transferred to the Endowment.

#### *Gifts*

We thank the 122 society members who have generously contributed gifts to the Endowment Fund over the past year. These help support workshops, awards, student travel and other activities. The following members contributed \$100 or more: F. Begemann, Scott Brey, Ghislaine Crozaz, Nicolas Dauphas, Paul De Carli, Henry Deyerle, Jr., Bevan French, Serge Genest, Joseph Goldstein, Jeffrey Grossman, Othmar Jentsch, Thomas Kaiser, John Kashuba, Jörn Koblitz, Ursula Marvin, Brian Mason, William McDonough, Edward Olsen, Robert Pepin, Thomas Rodman, Shoichi Saito, and John Wasson.

The Gordon A. McKay fund was established thanks to a major donation from Gordon's widow, the late Linda Uljon, and an outpouring of generosity from more than 40 other people and corporations. Charter donors to the fund were: Judy Allton, Tom Block & Jean Ashmore, Michael Drake, Lisa Fletcher, Mike Gaffey, Jeff Grossman, Roger Hewins & Brigitte Zanda, Fred Horz, Gary Huss, John Jones, Rhian Jones, Lindsay Keller, Makoto Kimura,

Eisuke Koizumi, Mutsumi Komatsu, Satoshi Utsunomiya, Jun Chokai, Randy Korotev, David & Marilyn Lindstrom, Kurt Marti, Pam McCarley, Hap McSween, Takashi Mikouchi, Dick Morris, Sarah Noble, Larry and Connie Nyquist, Steven Pavelitz, Kevin & Minako Righter, Susanne Schwenzer, Steve Simon, Martha & Jonathan Smith, Eileen Stansbery, Tokuei Tagai, Ross Taylor, Tomoki Nakamura, Linda Uljon, David Walker, Paul Warren, John Wasson, Akira Yamaguchi, Hideto Yoshida, ICMAS, Inc., Cameca Instruments, and the Albemarle Foundation.

### Endowment Committee Report

Tim Swindle, Chair

The Endowment Committee oversees the Meteoritical Society's investments, and is also tasked with both building the Endowment and suggesting good ways to spend the income from it. There has been activity on all three fronts.

#### *Investments:*

The Meteoritical Society's investments are in an account that is a mix of stock and bond funds designed to track the stock market, but to be less volatile. In that sense, it seems to be performing as advertised by the broker. Since embarking on our current investment strategy in early 2006, our returns have lagged behind the stock market when stocks have performed well, and have not slumped as much as the market when stocks performed poorly. As of July 1, 2008, our growth (not counting deposits and withdrawals) was almost exactly halfway between that of the bond index we have been tracking (Lehman Aggregate) and three common stock indices (NASDAQ, Dow Jones Industrial and S&P 500), with a total of \$489,814.39 in the Endowment and the Alfred O. Nier Fund, combined. The finances of the Gordon A. McKay Fund, which, like the Nier Fund, is used for a specific award, will also be monitored by the Endowment Committee in future years.

#### *Building the Endowment:*

We will be starting an effort to generate some major contributions to the Endowment to enable us to tackle additional projects. We will be mailing out copies of a new brochure explaining the Endowment (developed in conjunction with the Membership Committee) at the start of this campaign. We thank Candace Kohl for doing much of the work on the brochures. In addition, we have added this information to the website.

#### *Using the Endowment:*

Over the past several years, the Endowment has been used to fund a variety of projects based on unsolicited requests handled on a case-by-case basis. We have noticed that several of these projects have been outreach projects, and have concluded that such projects are a very good use of the Endowment's resources. This year, we developed a set of guidelines for outreach projects. What we are

looking for is projects designed to reach out beyond the Meteoritical Society to the broader scientific community, the broader meteorite community, educators, or the general public, typically for \$1500-\$3000. The full details are in the Endowment portion of the society web site, or can be requested from the Meteoritical Society secretary or the chair of the Endowment Committee.

---

## METEORITE NOMENCLATURE COMMITTEE

### Report of the chair

**Jutta Zipfel**

In 2007, the Nomenclature Committee (NomCom) approved names and information for 2365 meteorites that were published in two issues of the *Meteoritical Bulletin* (MB 93, *MAPS* 43, 571-672 and MB 94, submitted). Among these are 530 finds and 13 falls from outside Antarctica. A large number of Antarctic finds were published, including almost 600 finds from the Chinese Antarctic search team collected between 2002 and 2006. As in former years, valuable information on meteorite nomenclature, instructions and templates for reporting new meteorites may be found on our homepage, [http://www.meteoriticalsociety.org/simple\\_template.cfm?code=pub\\_bulletin](http://www.meteoriticalsociety.org/simple_template.cfm?code=pub_bulletin)).

By the end of 2008, three members including myself will rotate off the committee. In addition, Hiroko Nagahara, ex officio member and vice president, will be replaced with Ed Scott, our new vice president starting in 2009. I would like to thank Rhian Jones, Luigi Folco and Hiroko Nagahara for their constant, constructive and supportive service on the committee. I welcome new members, Roza Scorzelli, Smail Mostefaoui, Henning Haack, and Ed Scott. Kevin Righter has agreed to chair the committee in 2009.

2008 was another challenging year for the committee. On rather short notice, Harold Connolly stepped down as editor. Fortunately, Michael Weisberg agreed to take over. Since April, Mike has been dealing with past and new submissions and production of the current issue of MB 94. I'd like to thank Mike for taking on this challenging and time-consuming task.

As parting chair, I'd like to say that it was a constant stimulation for me, realizing that, over the last years, meteorite nomenclature has

become so much more than merely naming a meteorite. It has developed into a big registry and database that shows its benefits already. I would also like to thank all past and present members on the Committee with whom I served over the last 8 years. I enjoyed working with all of you and I wish the committee all the best for the future.

### From the Editor of the Bulletin

**Mike Weisberg**

I took over the editorship of the *Meteoritical Bulletin* in April, 2008. Since that time, many new meteorite submissions have been approved. MB 94 is now in production and it will report data for over 900 newly approved meteorites, including 119 non-Antarctic and 803 Antarctic (ANSMET) meteorites. Numerous new meteorite submissions are currently being reviewed for future bulletins, including over 800 Grove Mountains meteorites collected by the Chinese Antarctic program during their 2003 and 2006 expeditions.

Becoming editor of the Bulletin has been both an education and a challenge. I am grateful to Jutta Zipfel (current chair of NomCom), Jeff Grossman (editor emeritus and manager of the meteorite database) and Harold Connolly (former editor) for their help and advice in getting me started as editor and their continued support. I will miss working with Jutta, who is rotating off as chair the end of this year. Her counsel on nomenclature issues has helped keep me on track and our discussions about the future of NomCom will be helpful over the coming years as we plan to improve the meteorite submission and review process. It is a pleasure working with the Nomenclature Committee. Their hard work is an invaluable service to the meteorite community.

---

## MEMBERSHIP

### Report of the Membership Committee

**Gary Huss, chair**

The membership committee has been very active this year. A major effort has gone into straightening out the membership records and recovering lost and missing members. As a result, the society now has 966 members. With MSA managing the membership, the

#### MEMBER SERVICES

Our membership website can be found at:  
<http://metsoc.meteoriticalsociety.net/>

Online services include:

- Membership renewals
- Change of address
- Directory of society members

society should have a clear and detailed record of membership from this point forward. The society has added a new category of membership open to people from underdeveloped countries. People who live in countries on the Hinari list of countries eligible to receive low-cost or free scientific journals will be able to join the society for \$25. This new category of membership has been established to give people in countries where the normal dues are a significant fraction of the average person's annual income the opportunity to learn about meteorites and to have contact with meteorite enthusiasts and researchers world-wide. See the website for details about this membership category.

The membership committee, with Candace Kohl acting as point person, has created and produced a new Membership brochure, which is to be distributed at professional meetings, rock and mineral shows, and other venues where new members might be found. A poster is being designed to complement the brochure and we expect these new recruiting tools to help significantly in increasing the

membership. As noted above, the committee also has created a new Endowment brochure to explain what the society does with its endowment and to encourage people to donate to facilitate an even broader range of activities.

With many membership issues dating from before our contract with MSA now largely straightened out, the membership committee will begin serious efforts to recruit new members and to find ways to increase the value of membership in the Meteoritical Society. Input from society members is welcome and can be provided by e-mail at: [membership.committee@meteoriticalsociety.org](mailto:membership.committee@meteoriticalsociety.org)

#### *List of new members*

The following people joined (or, in some cases, rejoined) the society in the past year:

Regular/retired members: Michael Antonelli, Karl Aston, Mike Bandli, David Blewett, Karl Boles, Svend Buhl, Anna Butterworth, Michael Gilmer, Randall Gregory, Edward Grew, Cesare Guaita, Eric Harrigan, Doc Hermalyn, Friedrich Horz, Stein Jacobsen, James Karner, Yuzuru Karouji, Deborah Klaisle, Andreas Koppelt, Georgina Kramer, Bruno Lafrance, Stephen Lehner, Richard Lipke, David Mann, Bernard Marty, John Miller, Vanni Moggi-Cecchi, Edmund Montgomery, Andreas Neumair, Ted Nield, Hernando Nunez del Prado, Tetsuji Onoue, Yasuji Oura, Allan Pring, Eric Robin, Andrew Schedl, Michael Simms, Douglas Stoesser, Gonzalo Tancredi, Zbigniew Tyminski, Guiqin Wang, Peter Wasilewski, Steven Weidenbaum, Michael Wilde, Zhidong Xie, Hikaru Yabuta, Ryan Zeigler, and Evgenij Zubko.

Student members: Insoo Ahn, Tomoaki Aoki, Rosalind Armytage, James Ashley, Janaina Avila, Ken-ichi Bajo, Katerina Bartosova, Eve Berger, Katherine Birmingham, Marc Biren, Chelsea Brunner, Hyerim Choi, Thomas Davison, Douglas Dawn, Renaud Deguen, Christina Duffy, Lu Feng, Wataru Fujiya, Michael Greenberg, Jang Mi Han, Minako Hashiguchi, Brendan Hermalyn, Junko Isa, Matthew Izawa, Samantha Jones, Yoko Kebukawa, Bryan Killingsworth, Ashley King, Randolph Kofman, Taichi Kurihara, Yann Le Gac, Marlene Leclerc, Makoto Maeda, Shintaro Matsuda, Seann McKibbin, Matthias Meier, Ritesh Mishra, Melissa Morris, Francois-Regis Orthous-Daunay, Mikki Osterloo, Shin Ozawa, Chang Kun Park, Antoine Roth, Pablo Solorzano, Mitsuhiko Sugita, Tim Tomkinson, Mathieu Touboul, Matthias Van Ginneken, John Weirich, Akinori Yamada, and Tatsunori Yokoyama.

#### **Deaths**

**Gordon A. McKay** (1945-2008), an experimental geochemist, spent almost his entire professional career as a planetary scientist at the NASA Johnson Space Center. He was known for his careful experiments on lunar, martian, and asteroidal basalts and for his innovative analytical techniques for trace elements using electron beam techniques. He was a member of the Meteoritical Society, the Geochemical Society, and the American Geophysical Union.

Gordon was born Sept. 26, 1945, in Titusville, Pennsylvania, the third son of Twila and Donald McKay. He grew up in Tulsa, Oklahoma, but finished high school in Paoli, Pennsylvania. Gordon received his B.A. and M.A. degrees from Rice University in Houston, Texas, and then went to the University of Oregon, where he worked on the Apollo 11 lunar samples. His Ph.D. thesis, working with advisor Dan Weill, was an experimental investigation of the origin of KREEP, an incompatible-element-enriched lunar component that probably represents the last dregs of the lunar magma ocean. His graduate-student and post-doc colleagues at Oregon included: Mike Drake, Richard Grieve, Bill Leeman, Dave

Lindstrom, Marilyn (Martin) Lindstrom, Stu McCallum, Dick Naslund, Lance Peterson, and Doug Stoesser.

Gordon graduated from Oregon in 1977 and won an NRC Associateship to the NASA Johnson Space Center in Houston, where, serendipitously, his brother David McKay also worked. In 1979, Gordon spent a year as an NRC Management Associate at NASA Headquarters in Washington, D.C.; and this year in Washington presaged Gordon's segue into management. In 1990 he was named the Chief of the Planetary Science Branch at JSC — a position that, under one assumed title or another, he would continue to fill, up until the time of his death.

From the mid-1980s through the rest of his career, Gordon was best known for his work on meteorites from Mars. His experimental work on martian compositions and his precise analyses of martian rocks set a high standard for others to follow — he was well known for his meticulous experimental and analytical techniques. There are ~40 known martian meteorites but most are cumulates or partial cumulates. Only two of these — QUE 94201 and Y-980459 — have been identified as true liquid compositions, because of Gordon's experiments.

In addition to his scientific pursuits, Gordon was an avid sailor and a sometime golfer. He was married to the late Linda Uljon for over 30 years; and he and Linda had two daughters, Gabrielle and Alisa. Combining business with pleasure, Gordon spent a sabbatical year in Japan in 1997. Since that time, Gordon made several trips to Japan; and he built and maintained close ties with his Japanese friends and colleagues. He aided his US colleagues when they traveled to Japan; and his scientific collaborations there were in the spirit of cordial international cooperation.

Gordon passed away in the early hours of Feb. 8, 2008, while co-chairing a NASA funding panel. His last evening was a happy one — the panel was successfully completed. His last hours were spent thinking about the future of NASA and his Research Office at JSC. He leaves a research and management vacuum and a large number of grieved colleagues, friends, and family. — John H. Jones, Houston, Texas.

**William W. Welbon** (1924-2008), who died on Feb. 5, 2008, had the capacity to devote himself to science and its various organizations while also participating fully in family and community activities. A quiet and unassuming gentleman who neither worked in meteoritics nor actively collected meteorites joined the society in 1961 and regularly attended our annual meetings. In time his wife Ann joined him, and they attended many meetings together, including Maui in 1997. Ann, apparently in good health at the time, died later that year. Bill continued his regular attendance through the Gatlinburg and Zürich meetings in 2005 and 2006. Bill was normally in the background, quietly sitting through more papers than most of the active meteoritists. He made his presence known to the society officers by his generous financial contributions.

Bill's boyhood was spent in Miami, Florida, where he became an amateur astronomer under the tutelage of his grandfather. Upon graduation from Riverside Military Academy in 1942 he went into the U.S. Army and served with the 44th Infantry Division in Europe. An interesting note is that he participated in the surrender of Dr. Wernher von Braun and his brother at the end of the war. Upon returning to the States he entered Princeton University, graduating in 1950 with a degree in chemistry. He was employed as an analytical chemist for General Electric for 35 years and was the holder of several industrial process patents. His scientific society memberships included the AAAS, the American Chemical Society for over 50 years, and the Meteoritical Society for 48 years.



Bill's primary avocation – which probably led him to meteoritics – was the viewing and study of solar eclipses. He traveled to 50 countries and visited every continent in his efforts to reach the best viewing sites. He viewed and had detailed records of 22 eclipses going back to Ohio in 1932. Boating was his second avocation. He was a past Commodore of the Clearwater Yacht Club where he was a member of the Power Squadron. Bill was also active in the Boy Scouts.

The Welbons lived in Belleair, Florida, where their three boys grew up. He is survived by his second wife Dorothea Smith Welbon, his sons, seven grandchildren and three great grandchildren. —Roy S. Clarke, Jr., Washington, D.C.

**Edward C. T. Chao** (1919-2008) died from heart failure at his home in Fairfax, Virginia, on Sunday, February 3, 2008. He was born in Suzhou, China, and came to the United States in 1945 to teach Chinese to American troops. After World War II he was admitted as a graduate student at the University of Chicago, where he received his PhD in geology in 1948 under the supervision of Prof. Tom Barth. After his graduation, Ed moved to Alexandria, Virginia, to work at the U.S. Geological Survey (USGS) where he had an exceptionally active 45-year career from 1949-1994 in various disciplines of geological sciences. His extensive career covered the diverse fields of meteorite impacts on planetary surfaces, lunar geology, coal petrology, and economic geology. In each field he was internationally recognized for the innovative research techniques he developed and employed, and he was highly respected for the significant contributions he made. Nationally and internationally, Ed was also known for mentoring and encouraging other scientists.

Ed was the pioneer in the study of dynamic effects of meteorite impacts on planetary surfaces. From 1960 to 1977, he turned his attention to the dynamically induced metamorphic reactions in rocks through meteoritic impacts on Earth's continental crust and lunar rocks returned by the Apollo missions. In the early 1960s, he carried out pioneering investigations into the optical and chemical characteristics of tektites, natural glasses whose mode of formation and source was highly disputed. He published outstanding articles on tektites, including the discovery of iron-nickel metal spherules in tektites from the Philippines, thus unambiguously establishing the origin of tektites as a result of meteorite impact. This led him to carry out many trips to countries where tektites occur. During a visit to Czechoslovakia in the early 1960s, he inspected hundreds of Bohemian and Moravian tektites stored in the National Museum in Prague and succeeded in proving, for the first time, their (re)entry in the Earth's atmosphere from outer space. This finding led him to believe, until his death, that tektites are of lunar origin. This is the sole conclusion of his, of which I am aware, where he was mistaken.

His studies of the shocked Coconino sandstone at Meteor Crater in Arizona resulted in the first discovery in nature of a dense polymorph of quartz, which he named coesite. The finding was published in *Science* in 1960. He was also the first to recognize in nature and describe another high-pressure form of silica, also in

Meteor Crater. He named it stishovite after the Russian physicist Sergei Stishov who synthesized it in a high-pressure experiment in his laboratories in Russia just prior to Ed's discovery. Ed subsequently discovered these two dense silica minerals in the Ries Crater in Bavaria, Germany, thus establishing its formation through a bolide impact in the Swabian Alb mountains some 14.8 My ago.

For these two discoveries, he was awarded the Wetherill Medal of the Franklin Institute of Pennsylvania. He continued his research in the areas of terrestrial and lunar impacts, which led to additional awards and recognition, including the Barringer Medal by the Meteoritical Society in 1992. In the citation for the Barringer Medal, it was noted that "Ed Chao is the quintessential founder of a new area of research in metamorphic petrology: impact metamorphism of natural rocks." Ed also confirmed the impact origin of the Bosumtwi crater in Ghana. He donated to me impactite glasses he collected from the suevite ejecta at the Ashanti locality; FeNi spherules were encountered in them, thus confirming Ed's conclusion.

Ed visited the Ries Crater almost every year since 1961. He then came to Germany for several months in 1975 as the Alexander von Humboldt Foundation Senior U.S. Scientist Awardee. He used this opportunity to create a reliable geologic map of the Ries Crater, to set a reliable scheme of the progressive grades of shock metamorphism and to scrutinize the mode of transport of the different crater ejecta lithologies during the event. The fieldwork also resulted in a detailed field guide of 25 exposures and quarries where the field evidence could be observed and the most accurate geologic map of the crater so far. During this period he also conducted drill cores in the Otting suevite quarry to explore the nature of the contact relationship between suevite and the varicolored sedimentary ejecta (Bunte Breccie). These cores gave him the evidence he was looking for, namely that the multi-colored sedimentary ejecta were transported non-ballistically in a "roll and glide" mechanism, as he named it. Despite the ample field and microscopic evidence, he encountered vigorous opposition from several colleges relying only on theoretical models and impact experiments in sand.

Ed participated in the study of the deep drill core conducted by the Geologic Survey of Bavaria and German National Science Foundation. Already in the first day of his visit to the drill core storage facility in the basement of the building, he discovered the occurrence of shatter cones in shocked igneous and metamorphic rocks in cores just below the crater floor at 602 meters depth. Polished sections of these shatter cones revealed the presence of very thin iron-nickel-chromium metal veins interpreted to be metal condensates of the evaporated meteorite condensed from the vapor cloud.

Despite his equally successful achievements in the other scientific disciplines in which he worked, he always considered his study of rock deformation due to impact of extraterrestrial objects as his quintessential scientific child and his top interest. Until his death, he never lost interest or abandoned learning about new achievements in this field. With his death, this field of research loses a scientific giant. – Ahmed El Goresy, Bayreuth, Germany.

## CONSTITUTION AND BYLAWS OF THE METEORITICAL SOCIETY

### CONSTITUTION

#### ARTICLE 1 – NAME, PURPOSE, AND SCOPE

1. The name of this Society shall be THE METEORITICAL SOCIETY.
2. The purpose of this Society shall be to promote research and education in planetary science with emphasis on studies of meteorites and other extraterrestrial materials that further our understanding of the origin and history of the solar system.
3. This Society, in its membership and activities, shall be an international organization.

#### ARTICLE 2 – MEMBERS AND FELLOWS

1. Those persons who joined this organization on or before August 22, 1933 shall constitute the charter members of the Society. The charter members and such other persons as may subsequently be elected to membership shall constitute the members of the Society. Persons interested in furthering the purpose of the Society may, on application, be elected to membership by the Council.
2. Members who have distinguished themselves in meteoritics or allied sciences may be elected Fellows by the Council. Fellows shall be elected in even-numbered years. The number which may be elected during an even-numbered year shall not exceed one percent of the current membership of the Society, rounded to the next highest integer.
3. Bylaws shall be adopted to regulate the nomination and the election of members and Fellows and any matters pertaining to them for which this Constitution does not expressly provide.

#### ARTICLE 3 – COUNCIL (OFFICERS AND COUNCILORS)

1. The Officers of the Society shall consist of a President, the immediate Past President, a Vice-President, a Secretary, and a Treasurer who shall discharge, in addition to the duties specifically assigned them by this Constitution and Bylaws, all the duties customarily pertaining to their office.
2. The Council of the Society shall consist of the Officers and eight Councilors. The Council shall be charged with the administration of all the affairs of the Society for which the Constitution or the Bylaws do not otherwise provide. The President and the Secretary of the Society shall be respectively the chairman and the secretary of the Council; together with the Treasurer, they shall constitute a standing Executive Committee to act, ad interim, upon all matters affecting the welfare of the Society that, in their judgment, do not call for submission to the entire Council; but all the transactions of this Executive Committee except those expressly authorized by the Constitution or the Bylaws shall be reported to the Council at its next following meeting.
3. An election of Officers and Councilors of the Society shall be held each even-numbered year. Nominations for Officers and Councilors shall be prepared by a Nominating Committee of six members. The members and chair shall be proposed by the President following consultations with other members of the Executive Committee and approved by Council prior to April 1 of each odd-numbered year and shall hold office until the close of the next election.

For each office to be filled in a given election, the Nominating Committee shall nominate one candidate whom it has verified to be qualified and willing to serve in that office.

The slate so nominated shall be mailed to all members of the Society before December 1 of an odd-numbered year. A nomination for any specific position may subsequently be made by at least 3% of the Society's members in good standing who shall verify that the candidate is qualified and willing to serve in that office. Nominations by members must be received by the Secretary no later than February 15 of the even-numbered year.

If no candidates are nominated other than those nominated by the Nominating Committee, the Secretary shall be empowered to declare these candidates elected by affirmation. If other candidates are nominated, then a ballot shall be prepared listing the names of candidates for contested positions and mailed to each member of the Society in good standing before April 15 of the even-numbered year. These ballots, if returned to the Secretary by June 15 in a way that allows the secrecy of the ballot to be preserved and identifies the voter as a member of the Society shall be counted.

The new Officers and Councilors shall take office on January 1 of odd-numbered years.

4. The Vice-President shall automatically accede to the Presidency upon the end of the President's two-year term, or earlier if the office of the President should be vacated. The Council shall appoint one of its members to fill a vacancy in the Vice-Presidency; if a Vice-President appointed by the Council accedes to the Presidency, he shall succeed himself only if nominated by the regularly constituted Nominating Committee and elected by the membership of the Society.
5. The term of the Council shall be two years in length. .
6. No person shall hold simultaneously more than one position in the Council. The President shall vote only when necessary to break a tie.
7. No person who has been elected to and has assumed the office of President shall ever afterwards be eligible for that office, nor for the office of Vice-President. No person who has served two terms as Councilor, or three terms as Secretary or Treasurer shall be eligible for the same position until the expiration of four years after the end of his last term in office.
8. Vacancies in the position of Secretary, Treasurer or Councilor shall be filled by appointment by the Council.

#### ARTICLE 4 – PUBLICATIONS

1. The official journals of the Society shall be:
  - a. Meteoritics and Planetary Science, sponsored by the Society alone, and
  - b. Geochimica et Cosmochimica Acta, which is also sponsored by the Geochemical Society.
2. The Council shall appoint an Editor for Meteoritics and Planetary Science who shall serve at the pleasure of the Council.

#### ARTICLE 5 – AMENDMENTS AND BYLAWS

1. This Constitution may be amended only at the proposal of the Council and by mail ballot. A ballot for each proposed amendment shall be mailed by the Secretary to each member of the Society in good standing. In order that it be adopted, each proposed amendment must receive at least two-thirds of all votes cast.
2. The Council may enact, annul and amend Bylaws as appropriate and necessary for carrying out the Society's business. Any proposed amendment of the Bylaws shall be prepared in written

form and circulated to the Council at least one month before a regular meeting. It shall then be deemed adopted if it receives the votes of two-thirds of the entire Council. Council members unable to attend may submit their votes in advance of this meeting.

## BYLAWS

### ARTICLE 1 – NOMINATIONS AND ELECTIONS OF MEMBERS, COUNCILORS AND OFFICERS

1. Any applicant who is in sympathy with the purposes of the Society may be elected by unanimous vote of the Executive Committee or by majority vote of the Council.
2. Any member who has made improper use of his membership or whose connection with the Society is regarded as detrimental to it may be expelled from the Society by at least a three-fourths vote of the entire Council.
3. The Nominating Committee shall operate under rules approved by the Council. It shall submit to the Council its slate of candidates for Officers and Councilors prior to September 1 of the odd-numbered year. When the Council is satisfied that the candidates were selected in accordance with the Constitution, Bylaws, and Committee rules, it shall authorize the Secretary to submit the slate to the members. Brief biographies of the candidates and a statement from the nominee for Vice-President shall be mailed to members by December 1.
4. Members of the Nominating Committee shall be selected to ensure balance with regard to age, area of expertise, and geographic representation. The Committee Chair should be an experienced member of the Society who understands the duties of the Officers and Councilors. Members of the current Council cannot serve on the Nominating Committee. The Nominating Committee cannot nominate any of its members to be Officers or Councilors.
5. If ballots are mailed to members of the Society with three or more candidates for any office except Councilor, members shall rank those candidates in order of their preference. If no candidate has a clear majority of first-place votes, the candidate with the fewest first-place votes shall be eliminated. The second-place votes on ballots of members who gave their first-place votes to the eliminated candidate shall then be added to the first-place votes of the candidates still in contention. This process shall be repeated until one candidate has a clear majority.

### ARTICLE 2 – DUTIES OF MEMBERS OF THE COUNCIL

1. Members elected to positions in the Council are expected to attend official Council meetings.
2. The Secretary shall be responsible for informing the Society membership of important actions of the Council. The Secretary shall conduct all elections and inform members of the results. The Secretary shall coordinate activities between the Council and those Society committees provided for in the Constitution and Bylaws. The Secretary, in coordination with the Treasurer, shall maintain the Society membership list, records of all official actions of the Council, and all changes made to the Constitution and Bylaws of the Society.
3. The Treasurer shall keep accounts showing all the receipts and expenditures of money belonging to the Society and all the financial transactions of his office. The Treasurer shall be responsible for the collection of membership dues and other income and for the payment of legitimate Society debts. The

Treasurer will file appropriate US federal tax forms and state forms to maintain our nonprofit corporation. At the end of each fiscal year, the Treasurer will prepare a written annual financial report and a budget for the new fiscal year, both to be transmitted to the Secretary by July 15 or two weeks prior to the Annual Meeting, whichever is earlier. The budget should include all anticipated income and expenditures, including royalty payments and repayments of loans to the organizers of annual meetings, and must be approved by Council at the Annual Meeting. The Council may, upon request, obtain all detailed financial records from the Treasurer.

4. At the beginning of each term, Council shall appoint a Deputy Treasurer who will temporarily assume the Treasurer's duties when the latter is unable to perform them, continuing until the Treasurer is able to resume his/her duties or until a new Treasurer has been appointed by Council. The Deputy Treasurer is not a member of the Council.

### ARTICLE 3 – FINANCE

1. The Society shall be a nonprofit organization.
2. The property of the Society shall be irrevocably dedicated to scientific research and education and no part of its net income or assets shall ever inure to the benefit of any Officer, Councilor or member thereof or to the benefit of any private persons.
3. Any member in good standing may become a life member by the payment of a fee equal to twenty times the annual dues then in force. A life member shall be exempt from the payment of annual dues.
4. The annual dues shall be fixed by the Council and payable to the Treasurer on the date of election and prior to January 1 of each year thereafter. Payment of the life membership fee or of the annual dues shall entitle a member to all the rights of membership including that to receive the official notices and certain publications of the Society, free of charge or at a reduced rate.
5. Any member who is more than three months in arrears shall be dropped from the Society. The Council shall, for cause, and on the recommendation of its Executive Committee, have the authority to suspend any part of this Bylaw in behalf of a defaulting member in the first year of his default.
6. The fiscal year of the Society is from June 1 to May 31 of the following year.
7. The Society should maintain a reserve fund amounting to at least 10% of budgeted annual expenditures for use in emergencies.
8. Unspecified gifts to the Society should be transferred to the Meteoritical Society Endowment Fund. This transfer will take place after the Annual Meeting unless an alternative plan is approved by Council.
9. Any surplus from a fiscal year (income minus expenditures) should be transferred to the Meteoritical Society Endowment Fund. This transfer will take place after the Annual Meeting unless an alternative plan is approved by Council.

### ARTICLE 4 – MEETINGS OF THE SOCIETY

1. The Council shall determine the time and place of each meeting of the Society. If possible, at least one meeting shall be held each year, for the delivery of scientific papers, addresses and other communications, and for the transaction of any business that may come before the Society. The Secretary will ensure that notice of each meeting shall be mailed to each member in good standing at least four months prior to the opening date of the meeting.

2. Arrangements for each of the Society's meetings shall be made by an Organizing Committee and a Program Committee, which are appointed by the Council. Both committees have the right to co-opt additional members. The Organizing Committee shall include a member from a previous year's committee and the Vice-President of the Society (who will be President at the time of the meeting).
3. The Society will provide a loan toward meeting expenses, in an amount set by Council. The Organizing Committee shall raise additional funds, especially for student travel grants, and shall submit a budget to the Council for approval. Meetings are expected to be self-supporting. Surpluses of meetings will be transferred to the treasury of the Society. The Society may cover deficits that it judges to be justified.
4. At each meeting, fifty or more members shall constitute a quorum.
5. Procedures during business meetings of the Society shall be governed by Robert's Rules of Order.

#### ARTICLE 5 – MEETINGS OF THE COUNCIL

1. A meeting of the Council shall be held in connection with each meeting of the Society.
2. The President shall convoke the Council in special meeting, at a time and place to be determined by the Executive Committee whenever, in the judgment of the Committee, the affairs of the Society require it. For urgent issues, the Committee can authorize mail or fax ballots, preceded by informal discussion, in lieu of a special meeting. The vote on such a ballot is subject to review at the next regular Council meeting.
3. A request in writing addressed to the President by four or more members of the Council shall render the convocation of the Council obligatory within three months after the date such request is received and at a time and a place to be determined by the Executive Committee.
4. Advance notice of each special meeting, which shall include a statement of the nature of the business to be transacted at the meeting, shall be prepared at the direction of the President and transmitted by the Secretary, by mail, facsimile or telephone at the earliest possible date, to each member of the Council.
5. If the President cannot attend a meeting of the Council, he shall appoint from the Council a temporary chairman who will serve in his stead. Should he fail to do this, the Council shall elect a temporary chairman.
6. At each meeting, regular or special, five or more Council members shall constitute a quorum. The President, or in his absence the temporary chairman, may invite other members of the Society to sit with the Council, but any action approved by fewer members of the Council than four shall be subject to ratification by at least a majority vote, taken by the Secretary by mail or facsimile, of the entire Council.
7. Any notice required or permitted by the bylaws to be given to members of Council may be given by mail, facsimile or telephone.
8. Council members unable to attend a meeting of Council, or to participate in decisions without a meeting, may vote by proxy. The proxy, issued to another member of Council, may be general (all matters to come before the meeting) or specific (relate to one issue or topic) and is valid for three months. The proxy, signed and dated by the councilor delegating his vote, must be given to the chairman before the start of business.
9. Procedure during Council meetings shall be governed by Robert's Rules of Order.

#### ARTICLE 6 – LEONARD MEDAL

1. The Leonard Medal of the Society shall be awarded to individuals who have made outstanding, original contributions to the science of meteoritics directly or through work in closely allied fields of research.
2. The Leonard Medal Committee shall consist of five members serving five-year terms, which are staggered such that one term expires each calendar year. No member of the Council may serve on the Committee. Vacancies on the Committee shall be filled by appointments made by the President. Each year the President shall designate one member of the Committee to serve as chairman. The Committee shall operate under rules approved by the Council.
3. Six weeks prior to the annual meeting of the Society, the Committee shall submit to the Secretary documented nominations for its first and second choice for recipient of the Leonard Medal to be awarded at the next following annual meeting. The Secretary shall distribute copies to Council members at least one month prior to the Council meeting. Final selection of the Leonard Medalist shall be made by Council, with at least a two-thirds vote of all voting Council members present.

#### ARTICLE 7 – PUBLICATION COMMITTEES

1. There shall be two committees to oversee publications of the Society. The Society Publications Committee shall oversee the publication of Meteoritics and Planetary Science. The Joint Publications Committee shall be constituted jointly by the Meteoritical Society and the Geochemical Society for the purpose of overseeing the publication of *Geochimica et Cosmochimica Acta*.

##### *The Society Publications Committee*

2. The Society Publications Committee shall consist of six appointed members who serve staggered three-year terms and the Society Treasurer who is an ex-officio member. Incumbent members shall be eligible for renomination.
3. The six appointed members of the Society Publications Committee shall be selected by the President after consultations with the Committee Chair.
4. One of the appointed members shall serve as Committee Chair for a two-year term. The Chair shall be selected by the President following consultation with the Editor of Meteoritics and Planetary Science and approved by the Council.
5. The Society Publications Committee shall have the following responsibilities:
  - a. To monitor Meteoritics and Planetary Science on a continuing basis and to advise the Council on any decision involving the journal that requires the approval of the Council. In particular, the committee shall monitor the finances of the journal, report to the council on its activities prior to the Society's Annual meeting, and make budgetary recommendations to the council so that library rates can be established in March for the following year and annual dues for members at the Annual Meeting.
  - b. To negotiate a contract between the Editor of Meteoritics and Planetary Science and the Society to ensure the continued successful publication of the journal. This contract and subsequent changes therein must be ratified by the Council.
  - c. To approve new Associate Editors following their nomination by the Editor.
  - d. To advise the Editor of Meteoritics and Planetary Science when requested by the Editor.

- e. To help resolve any conflict involving the journal that cannot be resolved by the Editor and Board of Associate Editors.
- f. To review the state of Meteoritics and Planetary Science every four years in conjunction with the nomination of an Editor.

*The Joint Publication Committee*

- 6. The Joint Publications Committee shall consist of six appointed members who serve three-year terms and five ex-officio members.
- 7. The appointed members of the Joint Publications Committee shall serve staggered three-year terms. Members of the Committee shall be jointly appointed by the Presidents of the two Societies, in consultation with the Editor and the Chair of the Committee. One of these appointed members shall be appointed the Chair. No later than four months before the expiration of the Chair's term, an ad hoc Nominating Committee that is chaired by the Executive Editor and includes the Geochemical Society and Meteoritical Society Presidents shall proceed to nominate a successor to the Chair of the Joint Publications Committee for approval by the Councils of the Geochemical Society and the Meteoritical Society. Incumbent Committee members shall be eligible for re-nomination. The term of each appointee shall begin on January 1 of the year immediately following the date of their appointment.
- 8. The ex-officio members of the Joint Publications Committee shall be the Executive Editor of Geochimica et Cosmochimica Acta, the Editor of Meteoritics and Planetary Science, the Special Publication Series Editor of the Geochemical Society, the President of the Geochemical Society and the President of the Meteoritical Society. The ex-officio members shall take part in all discussions and their views should be included in decisions made by the Joint Publications Committee. However, the ex-officio members shall not have formal voting rights, except for the Executive Editor when the issue directly concerns Geochimica et Cosmochimica Acta.
- 9. At all times, both the Geochemical Society and the Meteoritical Society must be represented on the Joint Publications Committee by at least two persons.
- 10. The Joint Publications Committee shall have the following responsibilities:
  - a. To advise the Executive Editor of Geochimica et Cosmochimica Acta and to monitor the journal on a continuing basis.
  - b. To approve new Associate Editors following their nomination by the Executive Editor.
  - c. To negotiate contracts with the journal's publisher. Such contracts, and subsequent changes therein, must be ratified by the Councils of the two Societies.
  - d. To advise the two Societies on any matter concerning publication.
  - e. To mediate conflicts between the Executive Editor and authors. Such mediation may be initiated at either the author's or the Executive Editor's request, but the recommendation shall take the form of advice and not be binding.
  - f. To review the state of Geochimica et Cosmochimica Acta every three years in conjunction with the nomination of the Executive Editor.

ARTICLE 8 – EDITOR OF METEORITICS AND PLANETARY SCIENCE

- 1. The term of the Editor of Meteoritics and Planetary Science normally shall begin January 1 and be for four calendar years. In the case of a mid-year appointment of a new Editor to fill a vacancy, the term shall be the remainder of the year of appointment plus four years. An Editor may succeed himself/herself.
- 2. The Society Publications Committee shall evaluate the record of the current Editor, nominate an Editor for the next term, and report this evaluation and nomination to the Council. Final selection of the Editor shall be made by Council 18 months prior to the expiration of the current term.
- 3. The Editor of Meteoritics and Planetary Science shall seek the advice of the Society Publications Committee before proposing to the Council any major changes in the operation or format of the journal.
- 4. The Editor of Meteoritics and Planetary Science shall seek the advice of the Board of Associate Editors in deciding whether or not to publish memorials for specific individuals.

ARTICLE 9 – EXECUTIVE EDITOR OF GEOCHIMICA ET COSMOCHIMICA ACTA

- 1. The term of the Executive Editor of Geochimica et Cosmochimica Acta shall be three years. An Executive Editor may succeed himself/herself.
- 2. The Joint Publications Committee shall evaluate the record of the current Executive Editor, nominate an Executive Editor for the next term, and report this evaluation and nomination to the Council no later than one year before the expiration of the incumbent Executive Editor's term. Final selection of the Executive Editor shall be made by the Councils of the Meteoritical and Geochemical Society.
- 3. The Executive Editor of Geochimica et Cosmochimica Acta shall seek the advice of the Joint Publications Committee before making any substantive changes in the operation or format of the Journal.

ARTICLE 10 – ELECTION OF FELLOWS

- 1. Article 2.2 of the Constitution describes the election of Fellows. The Leonard Medal Committee is charged with preparing a list of Society members whom they propose for election as Society Fellows.
- 2. The means of selecting candidates for Fellow shall be determined by the Leonard Medal Committee. To aid the Committee in identifying candidates, the Council shall publish yearly a solicitation for Fellow nominations from the Society membership. The Committee shall prepare a slate of Fellow candidates, which may be of any length, but normally will be a length equal to one percent of the Society membership rounded up to the next highest integer. This slate shall be submitted to Council prior to its annual meeting held in conjunction with the Society meeting in even-numbered years.
- 3. Members of the Council and of the Leonard Medal Committee are not eligible for election as Fellows during their term of office.
- 4. The Council shall elect Fellows only from the slate of candidates submitted by the Leonard Medal Committee. Election as a Fellow shall require at least a two-thirds vote of all voting Council members present. The number of Fellows elected shall not exceed the number of candidates submitted by the

- Committee or one percent of the Society membership (rounded up), whichever is the smaller number.
5. An announcement of Fellows who have been elected shall be made during the annual meeting of the Society and shall be published in Meteoritics and Planetary Science.

#### ARTICLE 11 – BARRINGER MEDAL

1. The Meteoritical Society administers the Barringer Medal and Award program, created in memory of D. Moreau Barringer, Sr. and his son D. Moreau Barringer, Jr. The program is sponsored by the Barringer Crater Company. The Barringer Medal recognizes out-standing work in the field of impact cratering, and/or work that has led to a better understanding of impact phenomena. The Medal shall be presented during each annual meeting of the Society.
2. A Barringer Medal Selection Committee shall consist of four Society members appointed by the President, one of whom shall be nominated by the Barringer Crater Company. The Committee members shall serve staggered, four-year terms. The Chairman is appointed by the President for a one-year term.
3. Nominations for the Barringer Medal shall be solicited from Society members through annual announcements in Meteoritics and Planetary Science. The means of selecting a candidate for the Barringer Medal shall be determined by the Selection Committee. The Committee shall present its candidate for the Medal, along with supporting documentation, to the Council at the annual meeting. Concurrence of the selection by the Council shall be by two-thirds of all voting members present.

#### ARTICLE 12 – METEORITE NOMENCLATURE COMMITTEE

1. The Meteorite Nomenclature Committee shall be responsible for establishing guidelines for the naming of meteorites, for the approval of new names, for decisions regarding pairing or separation of meteorites previously named, and for dissemination of this information by publishing the Meteoritical Bulletin in Meteoritics and Planetary Science.
2. The Meteorite Nomenclature Committee shall consist of: the Vice-President of the Society, the Editor of the Meteoritical Bulletin, the Editor of the Catalogue of Meteorites of The Natural History Museum, London and 12 other members nominated by the Chair of the Nomenclature Committee and appointed by the President. Appointed members shall serve a three year term and may be re-appointed for an additional three year term. Individuals may be re-nominated for additional terms after a three-year hiatus in their service on the Committee. A minimum of three terms shall expire each year. The membership of the Committee shall be chosen to provide a balance among researchers, curators and field workers, and to provide a balanced representation from those countries having high meteorite recovery rates.
3. The President shall designate one of the members to serve as the Committee Chair. The term of the Chair shall be three years or the remainder of his or her current term as member, whichever is less. The Chair may serve two consecutive terms, and may be subsequently reappointed after a hiatus of three years.
4. The term of the Editor of the Meteoritical Bulletin shall be four years. An Editor may succeed himself/herself for a maximum of one additional term. One year before the end of an Editor's term the President shall nominate an ad hoc committee to nominate an Editor for the next term. Final selection of the Editor shall be made by Council.

5. The Committee shall formulate rules appropriate to its function. These rules shall be official following ratification by the Council.

#### ARTICLE 13 – NIER PRIZE

1. The Nier Prize honors the memory of Alfred O. Nier and is supported by Mrs. Ardis H. Nier. This award shall be given for a significant research contribution in the field of meteoritics and closely allied fields of research; the award recognizes individual research or research done in a small group in which the awardee played the leading role. The recipient will be a scientist who has not yet reached his or her thirty-fifth birthday at the end of the calendar year in which he or she is selected by the Council.
2. Nominations for the Nier Prize will be solicited by the Leonard Medal Committee. At each annual meeting of the Society, the Committee shall present to the Council documented nominations for its first and second choices for recipient of the Nier prize to be awarded at the next following annual meeting. Final selection of the Nier Prize recipient shall be made by the Council.

#### ARTICLE 14 - ENDOWMENT COMMITTEE

1. The duties of the Endowment Committee are:
  - a. To serve as trustees for the Meteoritical Society Endowment Fund (MSEF). Responsibilities include accepting and acknowledging contributions to the MSEF, managing the endowment funds, promoting the MSEF and issuing a report to the Meteoritical Society Council annually.
  - b. To advise the Treasurer on the management of other Society monies and properties, such as the Nier Fund, Society income and other funds that may be established by the Council.
2. The Committee shall consist of five members, at least four of which must be Meteoritical Society members. The Society Treasurer is also an ex officio member of the Committee. Members are appointed by the President for three-year terms, and may be re-appointed without limit. The President shall designate one of the members to serve as chair.
3. The Committee may recommend expenditures from the MSEF and other funds. Final approval of expenditures will be made by the Meteoritical Society Council.
4. The Committee shall formulate rules appropriate to its function. These rules shall be official following ratification by the Council.

#### ARTICLE 15 – PAUL PELLAS - GRAHAM RYDER AWARD

1. The Paul Pellas - Graham Ryder Award for best student paper in planetary science shall be awarded to the graduate or undergraduate student who, in the opinion of the Selection Committee, the Meteoritical Society Council, and appropriate representatives of the other sponsoring societies, submitted as first author the best planetary science paper published in a peer-reviewed scientific journal during the previous year. The topics included for this Award are asteroids, comets, craters, interplanetary dust, interstellar medium, lunar samples, meteors, meteorites, natural satellites, planets, tektites, and the origin and history of the solar system.
2. The Selection Committee for this Award shall consist of three members serving staggered three-year terms from each of the sponsoring societies. Terms shall begin on January 1. The Committee members from the Meteoritical Society shall be

appointed by the President of the Meteoritical Society. The Committee shall operate under rules approved by the Council. The Committee shall elect a Chair from its own membership. If possible, the Chair should alternate from one year to the next between a member appointed by the Meteoritical Society and one appointed by GSA.

3. The Committee shall present its candidate for the Award, along with supporting documentation to the Council no later than April 1 of each year. Council shall vote on the selection by May 1; concurrence shall be by two-thirds of all voting members present, or, if the Council does not meet in person, of all members eligible to vote.

#### ARTICLE 16 – POLITICAL LIMITATION

1. No substantial part of the activities of the Society shall consist of carrying on propaganda, or otherwise attempting to influence legislation.
2. The Society shall not participate or intervene in any political campaign (including the publishing or distribution of statements) on behalf of any candidate for public office.

#### ARTICLE 17 – DISSOLUTION

1. In the event of the dissolution of the Society, the Council shall convey all the assets of the Society after payment, or provision for payment, of all debts and liabilities to another nonprofit scientific organization that is closely allied to planetary sciences and has tax exempt status under Section 501(c)(3) of the United States Internal Revenue Code.

#### ARTICLE 18 – MEMBERSHIP COMMITTEE AND SERVICE AWARD

1. The duties of the Membership Committee are: a) To recruit new members and retain current members; b) to suggest ways to improve the public image of the Society; c) to advise the Council on membership issues; d) to administer the Service Award.
2. The Membership Committee shall consist of at least 5 members appointed by the President and chosen to represent the current geographic distribution of the membership. Committee members will serve staggered three-year terms, and may be reappointed for up to two additional consecutive terms.
3. The President shall designate one of the members to serve as the Committee Chair. The term of the Chair shall be for the remainder of his or her current term on the Committee.
4. Service Award:
  - a. The purpose of the award shall be to honor members who have advanced the goals of the Society to promote research and education in meteoritics and planetary science in ways other than by conducting scientific research. Examples of activities that could be honored by the award include, but are not limited to, education and public outreach, service to the Society and the broader scientific community, and

acquisition, classification and curation of new samples for research.

- b. Nominations for the award shall be solicited from Society members through annual announcements in Meteoritics and Planetary Science or the Society newsletter; nominations should be sent to the Committee Chair. Candidates may also be selected directly by the Membership Committee.
- c. The Membership Committee shall notify the Secretary of its selection of a candidate for the Service Award by six weeks prior to the Annual Meeting of the year preceding the presentation; complete documentation must be sent to Council at least one month prior to the Annual Meeting. Concurrence of the selection by the Council shall be by two-thirds of all voting members.
- d. The award shall be lifetime membership in the Society, effective January 1 of the year following the presentation of the award.
- e. The award may be given annually, and should be given at least every two years. The presentation shall be made at the next Annual Meeting following the Council vote.
- f. Members of the Council and the Membership Committee making the selection are not eligible to receive the award. The award also should not be given to former officers of the Society for activities conducted in the performance of their duties.

#### ARTICLE 19 – AUDIT COMMITTEE

The Audit Committee is responsible for producing an audit of the Treasurer's annual report at the end of each fiscal year. The committee will consist of three Society members. Committee members cannot be Council members and cannot be affiliated with the institution of any Treasurer who served during that fiscal year. Members will serve staggered, three-year, renewable terms, with one member acting as Chair. Appointment of new members of the Audit Committee and selection of the Chair will be made by the President who is in office at the end of the fiscal year, at least one month before the end of the fiscal year. If possible, the report of the Audit Committee should be transmitted to the Secretary for distribution to the Council prior to the Annual Meeting; otherwise, the report should be transmitted within 4 months of receipt of the Treasurer's report.

---

#### *Revision history*

The Constitution was last revised in March 2001 (Article 1.2, 3.3, and 5.2) and March 1993 (Article 3.3).

Between 1994 and 2001 the Bylaws were revised as follows: Article 1 (September 2001), Article 12 (March 1999), Article 13 (July 1995), Article 14 (July 1996), Article 15 (August 2000).

Since the Constitution and bylaws were last published in the Newsletter in November 2001, the following parts of bylaws have been changed: Articles 3, 7-9, 16, 17 (March 2002); Article 12.3 (March 2003, and again in August 2004); Article 7.7 and 15 (August 2004); Article 8.1 and 18 (September 2005); Articles 2.3, 3.6-3.9, 4.3, 14, 15, and 19 (March 2007); Article 18.4 (August 2007).