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The Meteoritical Society Newsletter

(November 2018)

A report of the business carried out by The Society over the past year, edited by Michael K. Weisberg, Secretary.

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Important reminders

Please renew your membership before Dec. 15 as the society has to pay the costs of mailing late reminders. Members renewing after March 31 incur a \$15 surcharge and risk missing issues of *MAPS*. You can renew online at <http://metsoc.meteoriticalsociety.net>.

Nominate your colleagues and students for awards. Deadlines are in January. See the Awards section for details.

Proposals to host the 2023 MetSoc meeting are due in March. Please contact the secretary for procedures.

FROM THE PRESIDENT

The annual newsletter provides the President an opportunity to reflect on matters of interest to Society Members. The calendar turning to 2019 will see the beginning of a very new Executive Committee and Council. Professor Meenakshi Wadhwa will take over as President, and current Past President Mike Zolensky will rotate off the Council for the first time in six years. This year also marks a changeover in Secretary and Treasurer. Professor Munir Humayan will replace Mike Weisberg as Secretary, and Karen Ziegler will take over as Treasurer for Candace Kohl. Rotating off Council are Caroline Smith, Kieko Nakamura-Messenger and Francois Robert and coming on are Neyda Abreu, Chris Herd and Takashi Mikouchi. All members rotating off these positions are warmly thanked for their dedicated service to The Society. To the new Executive Committee and Council, The Society is in a strong position and your work is

important to the continued wellbeing of all our members. We value your contribution.

The Meteoritical Society website has undergone a complete redesign and installation through the company WebSanity. Some of you will have noticed that the website was temporarily unavailable, but thanks to the sterling efforts of Mike Weisberg and Munir Humayan (and our web committee: Alex Ruzicka, Mendy Ozillou, Hiroshi Kaiden and Mike Zolensky and the Websanity people: Jans Carton and Jerry Bryan) the site is now functioning. One of the reasons for the new website is getting more flexibility in our ability to edit content. Hopefully the new website will deliver more resources for people to use in teaching and promotion.

The Meteoritical Society Annual Meeting is something we all look forward to. It gives us an

opportunity to meet up with old friends and colleagues as well as noting the extraordinary capabilities of our awardees. It quite often results in us meeting in new places that we haven't been before. Running a Society meeting requires a lot of effort, particularly for the lead organizer, but it is a great opportunity for the promotion of meteoritics in the particular location that is selected.

MetSoc Annual Meeting Moscow 2018

This year we travelled to Moscow to participate in the 81st Annual Meeting. Thanks to Marina Ivanova and Natalia Bezaeva, who were the conveners of the conference for all their hard work in organizing and producing this outstanding meeting. In addition to the normal headaches concerning organization of the program and venue, this meeting required setting up a number of logistical connections to facilitate financial transfers, bookings for accommodation, as well as field trips. The main meeting was held in the "Golden Brains" of the Presidium of the Russian Academy of Sciences, a truly remarkable building. The meeting was flawless and thoroughly enjoyed by all who could make it.

The Barringer Lecture this year was given by Brother Guy Consolmagno who is the current Director of the Vatican Observatory. Guy provided an entertaining presentation on some of the more philosophical issues we face as we journey through our careers and in particular regarding the interactions between researchers involved in Planetary Science and the more general members of society.

The Meteoritical Society Lecture is based on a financial allocation to the Annual Meteoritical Society Meeting to have an invited lecture on a topic of (not necessarily direct) interest to Meteoritical Society Members. This year Professor Artem R. Oganov gave a talk on *High-Pressure Chemistry and Geochemistry: New Results and Ideas*. His presentation gave valuable new insights to the development of understanding the potential role of extreme conditions in forming mineral assemblages in planetary conditions.

Next year the Annual Meeting will be in Sapporo, Japan. We look forward to this event organised by Hisayoshi Yurimoto and his team. I am sure this will be another fantastic event on our calendar. I look forward to seeing everyone there next year.

Finances

Overall, The Meteoritical Society continues to be in extremely good financial shape, in large part thanks to the contribution from membership dues, but also thanks to generous donations from our members. Our dues have remained stable over quite a long time now. The only change in the fees agreed to by Council concerns the cost of the printed version of Meteoritics and Planetary Science. As indicated last year, this simply reflects the increasing costs of a limited production run. We are clearly transitioning to new forms of media that offer greater flexibility and generally better quality of material to readers. While reading a hardcopy issue provides its own particular reward, the nature of journal articles themselves are changing with far more on-line support materials, and inclusion of additional materials that simply don't print.

This year has seen several new funds established to honor past members.

The O. Richard Norton Fund has been established to support travel to the annual meeting for students;

The Elmar K. Jessberger Fund is in the process of being finalized and will support an award to a mid-career scientist;

We thank the families for the time and effort they have put in to ensuring these Funds are established in the vision of their respective named benefactor.

The Meteoritical Society Funds are used to support awards for outstanding efforts in meteoritics and planetary sciences, as well as travel awards for attendance at the annual meeting. Members can also make a donation to particular Funds as part of their annual membership renewal.

The Endowment Committee recommends to Council projects that should be funded by The Meteoritical Society Funds. In the past this has largely been on an ad hoc basis; that is the EC considered a proposal when it came in. With an increasing number of requests, the EC has found itself in a position where the funding allocation could be consumed early in a given year thereby prejudicing consideration of later proposals. This year the Endowment Committee has formulated new policies concerning consideration of proposals such that they will do so only at two different times of the year. As such, meetings considering requesting funds should note that the previous fast turnaround may not be possible and they

may need to make a request up to 6 months in advance. If you are considering proposing, please consult the new EC funding guidelines posted on the web, or get in touch with the Society Secretary.

Awards

Our Annual Meeting is also the time to celebrate the scientific achievements of our colleagues. It gave me great pleasure to present the Leonard Medal this year to Sasha Krot in his hometown of Moscow. Sasha is well known to all of us for his meticulous petrological work, including chemical and isotopic constraints, and putting it all in to context of the solar nebula. Next year, the Leonard Medal will be presented to Hisayoshi Yurimoto in Sapporo, Japan.

This year the Barringer Award was presented to Thomas Kenkmann for his work in understanding of impact deformation recorded in terrestrial craters. The Barringer Medal for 2019 is to be awarded to Mark Cintala for his seminal research in the fundamental aspects of the cratering processes and products.

The Nier Prize is our award made to an outstanding early-career scientist working in meteoritics or related areas. This year the Nier Prize was presented to Lydia Hallis for her contributions to understanding the origins of volatiles in planets. The Nier Prize for 2019 has been awarded to Aki Takigawa for her contributions to understanding formation processes of oxide and silicate dust in circumstellar environments, through laboratory growth experiments and analysis of presolar grains in meteorites.

The Service Award acknowledges the efforts put in by an individual who is not a researcher to further the study of Meteoritics. This year the Service Award was presented to Linda Martel for her work in producing the Planetary Science Research Discoveries online magazine. In 2019 the Service Award will be presented to Rainer Bartoschewitz for his role in bridging private collectors with scientists, and in meteorite classification.

This year we welcomed 9 Fellows to the Society. They are: Audrey Bouvier, Henner Busemann, Nancy Chabot, Barbara Cohen, Ian Franchi, Hasnaa Chennaoui Aoudjehane, Takashi Mikouchi, Akira Tsuchiyama and Qin-Zhu Yin. More details are given below.

The McKay Award recognizes outstanding effort by the newest members of our Society, our students!

At our Annual Meeting, the McKay Award Committee Chair Tasha Dunn organized a large team of people to be present at all the student presentations including orals and posters. It is never an easy task, as the standard of presentations is always incredibly high. Our 2018 McKay Award winner is Timothy Gregory (University of Bristol). Our five Wiley Award winners for this year are Jan Hellman (Universität Münster), Jane L. MacArthur (University of Leicester), Doreen Schmidt (Friedrich-Schiller-Universität), Malgorzata Sliz (University of Bern) and Brendan Haas (Washington University, St. Louis).

A more detailed report of the winners appears later in this Newsletter. Congratulations to all of you.

I would also like to say a big thank you to all the sponsors, and especially the Barringer family (our Society's oldest and best friends), who make it possible for so many students to attend the annual meeting. Student travel is also provided through a NASA Grant, which for this year (and the past several years) was prepared by Allen Treiman. Thank you Allen for this selfless proposal writing. Student travel money was also provided by the International Meteorite Collectors Association who designate it as the Brian Mason Award, and by our good friends at the Planetary Studies Foundation (with a big thanks especially to my friends Paul and Diane). Darryl Pitt/Macovich Collection also provided money for student travel. We thank the Elsevier Publishing Company for their generous grant, which provides for the Elsevier Early Career Travel Award.

The Awards ceremony is a reminder that one of the easiest and most valuable ways in which you can contribute to the Society is through nomination of your colleagues for the different awards, whether it be as an early-career scientist, or for achievements following a distinguished career. There are several different committees to whom nominations should be made, and details are available below and on our Society website. Please don't assume that somebody else will nominate that worthy person you know. If you are surprised someone has never received a particular award, it could be just that no-one has nominated them. So don't let that surprise be your response, take the initiative and nominate them yourself.

In Memoriam

Finally we should take a moment and pause and reflect on some of our distinguished members and friends who have passed away in the past year:

Friedrich Begemann

Bob Clayton

Christine Floss

Ursula Marvin

Please check the website for details of their life and work. We pass on our condolences to families and friends for their bereavement.

Thanks to all of you for your part in making The Meteoritical Society such a special organization, and best wishes for a fruitful 2019.

Trevor Ireland

October 2018

| UPCOMING MEETINGS | | | |
|-------------------|-------------------------|------------------|----------------------------------|
| Year | Location | Dates | Contact |
| 2019 | Sapporo, Japan | July 8-12 | Yuri@ep.sci.hokudai.ac.jp |
| 2020 | Glasgow, United Kingdom | August 9-14 | Lydia.Hallis@glasgow.ac.uk |
| 2021 | Chicago, USA | To be determined | prheck@fieldmuseum.org |
| 2022 | Perth, Australia | To be determined | katarina.miljkovic@curtin.edu.au |

ANNUAL MEETINGS

2018 Annual Meeting, Moscow, Russia



Group photo at the 81st Annual Meeting of the Meteoritical Society

The 81th Annual Meeting of the Meteoritical Society was held on July 22–27, 2018 in Moscow, Russia. The conference was hosted in the Presidium building of the Russian Academy of Sciences, a well-known and distinguished conference venue with unique Futurist architecture. 302 participants from 28 different countries registered for the meeting including 213 professionals (scientists and exhibitors), 71

student participants and 18 guests. A total of 164 registrants were MetSoc members. The MetSoc exhibition hosted the booths of Springer Nature, CAMECA and Textronica. In total, 358 abstracts were accepted for 204 oral and 154 poster presentations. Oral presentations were scheduled in three parallel sessions from Monday July 22 to Friday July 27, and all posters were on display for the entire duration of the conference.

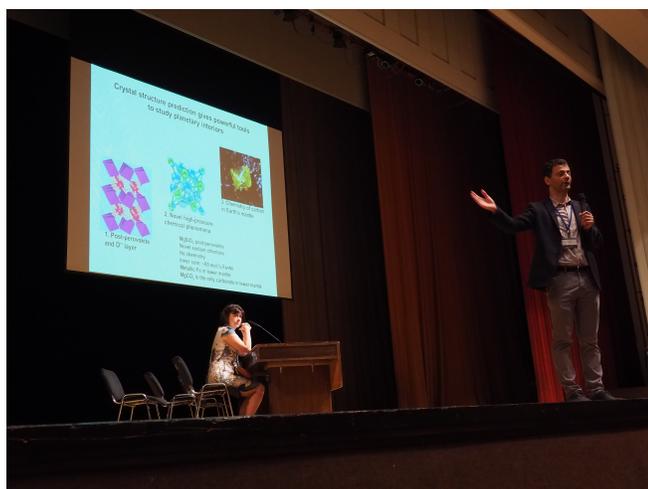
Thirty-eight travel awards were allocated to student members, early career scientists, and scientists from low-income countries through generous sponsorships donated by the Barringer Crater Company, the NASA Cosmochemistry Program, the International Meteorite Collectors Association (IMCA), the Planetary Studies Foundation (PSF), Elsevier, and the Meteoritical Society Endowment and Travel for International Members Fund. In addition, Russian sponsors supported 75 Russian participants.

Two Pre-Congress Tours to St Petersburg and Yaroslavl were organized prior to the conference. 17 participants visited St Petersburg on July 18-21, including the main sights and a visit to VSEGEI with

its impressive Geological Museum and a special exhibition dedicated to the Popigai impact structure (visit led by Dr. Victor L. Masaitis). On July 20-22 Dr. Natalia Artemieva led a two-day tour to Yaroslavl, the capital of the Russian Golden Ring; the group of 12 participants visited the depository of Russian superdeep drilling cores, including the 5-km-deep drill core of the Puchezh-Katunki impact crater and the super-deep Kola borehole.

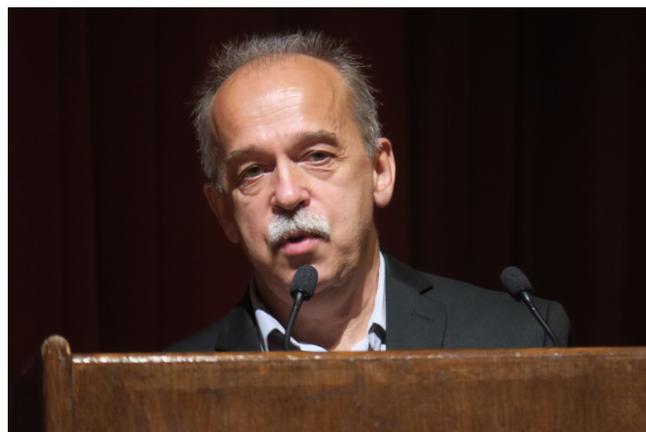
The conference kicked off on Sunday July 23 with a pre-conference workshop “NEOs Hazard: Multidisciplinary Approach” convened by Drs. Olga Popova, Vladimir Svetsov and Valery Shuvalov. Conference registration and a Welcome Reception were held at the V.I. Vernadsky State Geological Museum just next to the legendary National hotel and in front of Red Square. Several participants and guests saw the ballet at the Bolshoi Theater on Saturday and Sunday.

The official opening ceremony took place on Monday July 23 with greetings by the Head of the Meteoritics Committee of Russia, Dr. Erik Galimov, the Director of the Vernadsky Institute RAS Dr. Yuri Kostitsyn, the Vice-Rector of Kazan Federal University Dr. Danis Nurgaliev, and a talk given by the Head of the Meteoritics Laboratory of the Vernadsky Institute Dr. Dmitry Badyukov. The opening ceremony was followed by an Award Ceremony and the Special Annual Lecture sponsored by MetSoc and presented by Dr. Artem Oganov (Skolkovo Institute of Science and Technology, Russia) on “High-Pressure Chemistry and Geochemistry: New Results and Ideas”.



Dr. Artem Oganov giving the Special Annual Lecture at the 81st Meeting, sponsored by MetSoc.

Awardees’ lectures were given on Monday afternoon by Dr. Sasha Krot (Leonard Medal) and Dr. Thomas Kenkmann (Barringer Medal) and were followed by two special sessions: “Evolution of the Solar Nebula: Origin of the Moon and Planets” and a special session dedicated to Famous Meteorite Falls in Russia (Tunguska, Chelyabinsk).



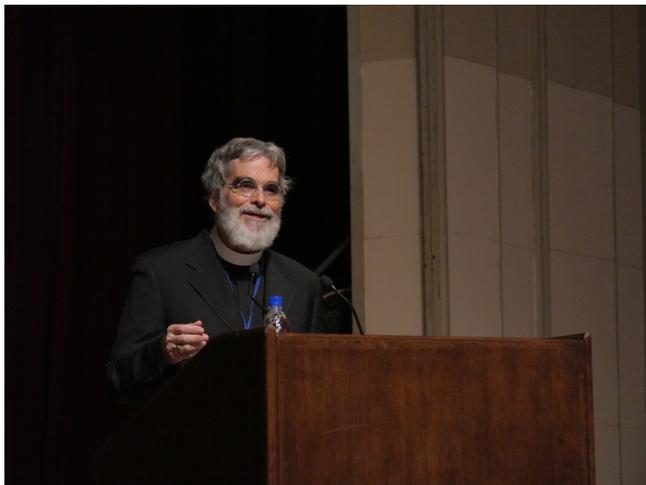
Sasha Krot, recipient of the Leonard Medal at the 81st Annual Meeting.



Thomas Kenkmann, recipient of the Barringer Medal at the 81st Annual Meeting.

The scientific program covered 23 topics organized under the themes of achondrites, carbonaceous chondrites, ordinary chondrites, chondrules, methods and analytical technique, volatiles, Solar System chronology, impacts, Mars, geochemistry of lunar meteorites, organic matter, presolar grains, interplanetary dust particles, and differentiated bodies. The mid-week workshop “Experiment and modelling in investigation of extraterrestrial material” was organized on Thursday July 26, convened by Drs. Ruslan Mendybaev and Kevin Righter.

The Annual Barringer Invitational Lecture on Monday evening entitled “The Philosophy of Meteoritics: Awe, Faith and Data” presented by Brother Guy Consolmagno SJ attracted many external listeners and was one of the highlights of the conference.



Brother Guy Consolmagno giving the Barringer Lecture at the 81st Annual Meeting.

Regular scientific sessions on Tuesday July 24 were followed by a Wednesday “day off” (July 25), which allowed the meeting participants to explore Moscow via a Moscow city tour, Moscow River boat tour, and three consecutive guided tours to the Kremlin and the Fersman Mineralogical Museum (FMM). The FMM excursion was organized gratis for several groups of participants.

The conference Gala dinner took place on Wednesday 5-11pm at the lovely Korston Club hotel, close to the venue, in the magnificent Place de Paris banquet hall. Participants enjoyed traditional Russian cuisine and Russian folk dancers and singers who got the crowd on their feet.

Both poster sessions on Tuesday and Thursday evenings were very well attended, and hopefully many good discussions were made over drinks and posters. The beautiful setting of the poster foyer around the session halls were open throughout the whole working week and certainly helped encourage exchanges between young and senior scientists.

The conference concluded on Friday afternoon (Jul 27) with a Farewell party, where participants met each other in the Winter Garden, had lunch and discussed again many scientific topics. Nearly 40 participants attended the Planetarium excursion on

Friday night to see the Star Hall and try to observe the Lunar Eclipse.

Three post-conference excursions were organized:

- 1) 16 participants attended a 3-day tour to St. Petersburg. The tour program was similar to that of the pre-conference tour.
- 2) Dr. Danis Nurgaliev and Dilyara Kuzina (Kazan Federal University) led a tour to the city of Kazan on July 28-30. Seven participants visited the famous historical places of the city and attended a nice field trip to the Karla crater, one of the biggest craters in Russia.
- 3) Drs. Viktor Grokhovsky and Evgeniya Petrova (Ural Federal University) led a tour to Ekaterinburg and Chelyabinsk on July 28-31; 6 participants visited interesting sights of these cities including the main mass of the Chelyabinsk meteorite recovered from the Chebarkul lake in 2013.

The conference program and abstract volume can be accessed on the website of the Lunar and Planetary Institute: <https://www.hou.usra.edu/meetings/metsoc2018pdf/program.pdf>, and on the dedicated conference website: <http://metsoc81-moscow.ru/>.

We would like to thank the numerous colleagues, students and volunteers, whose tireless efforts made it all possible. We also thank the Triologue company which helped participants with visas, accommodation, transport and excursions. We want to emphasize the great support from the members of the Bureau of the Organizing Committee, the Local Organizing Committee, the Scientific Program Committee, and the Travel Award Committee, and from all those who made themselves available as conveners of the sessions, judges of student presentations, student assistants, guides on conference tours and in many other functions.

MetSoc 2018 co-chairs, Marina Ivanova and
Natalia Bezaeva
October 2018

2019 Annual Meeting in Sapporo, Japan, July 8-July 12



You are cordially invited to attend the 82nd Annual Meeting of The Meteoritical Society, which will take place July 7-12, 2019, in Sapporo, Japan. The meeting is jointly organized by Hokkaido University, National Institute of Polar Research (NIPR), and Japan Aerospace Exploration Agency (JAXA). It will be held on the Sapporo Campus of Hokkaido University. Oral sessions will take place at three meeting rooms in the Hokkaido University Conference Hall. Poster sessions will also take place at the Hokkaido University Conference Hall. Invited lectures, including the Barringer lecture and the Award ceremony will take place at the conference hall in the Clark Memorial Student Center that is a 3-4 minute walk from the Hokkaido University Conference Hall. Special sessions or workshops on the 50th year anniversaries of the falls of Allende and Murchison, the first discovery of Yamato Antarctic meteorites, and Apollo 11 and on the on-going asteroidal sample return

missions (Hayabusa2 and OSIRIS-REx) will be planned.

Conference registration begins in the evening on Sunday, July 7, 2019, at the Hokkaido University Conference Hall. A Welcome Party will be held at the University Museum. On the Wednesday afternoon of the meeting, several excursions will be offered that explore Sapporo and the surrounding area (such as a city tour, a bus trip to the Otaru harbor, a guided tour to the Kan Yasuda sculpture museum and so on). There will be several Japanese culture experience programs for guests during the meeting. The Conference Banquet will be held at the Sapporo Park Hotel that is inside the Nakajima Park located in the middle of downtown Sapporo.

The Hokkaido University was established in 1876 as the Sapporo Agricultural College, the first modern academic institute in Japan. The Sapporo Campus of Hokkaido University, one of the largest university campuses in Japan, is located in the center of the Sapporo city. Sapporo is the capital city of Hokkaido Prefecture, and the largest city on the Hokkaido Island, a northernmost island of Japan. Sapporo summer is brisk and comfortable.

We are looking forward to welcoming you in Sapporo.

Hisayoshi Yurimoto
September 2018

FROM THE TREASURER

This report summarizes the Society's finances in Fiscal Year 2018 (FY18), 1 June 2017 to 31 May 2018. The Society's finances are healthy and the budget is balanced under our current operations.

Assets

At the end of FY18, the balance of the Operating Fund was \$218,394 and the portfolio value of the Investment Fund was \$1,382,651. The Investment Fund now contains five endowed funds: the General Endowment Fund, the Nier Fund, the Gordon A. McKay Fund, the TIM (The International Members) Travel Fund, and the new O. Richard Norton Fund. A Reserve Fund is also being maintained within the

Investment Fund at a flat value of \$100,000 as decided by council during the March 2013 meeting. The current (31 May 2018) distribution between the five endowed funds is approximately as follows: 71.5% is in the General Endowment Fund 6% of the money is in the Nier Fund, 6% is in the Gordon A. McKay Fund, 5% is in the Tim Swindle Travel Fund and 3.5% in the O. Richard Norton Fund

Through the generosity of Dorothy Norton Kashuba and John Kashuba we have been able to establish the O. Richard Norton Fund to be used for travel to the annual meeting at a rate of \$10,000 per

year. They started with a gift of \$50,000 and plan to add to it as the years go by.

"This award promotes meteoritics and planetary science by providing scientists with transportation assistance to Meteoritical Society annual meetings to present papers and posters. The fund was established in 2017 to honor the memory of science author and public educator O. Richard Norton, and is supported by John H. and Dorothy Norton Kashuba." The first recipients of this travel award attended the Moscow meeting.

Operating Fund

FY18 was the eighth year of publishing *MAPS* with Wiley. Our operating budget includes two kinds of income from Wiley: an agreed sum that supports the *MAPS* Editorial Office, as well as royalty income which is based on Wiley's total *MAPS* revenue. The final royalty amount we received for calendar year 2017 was \$41,259. Some of Wiley's revenue consists of *MAPS* subscriptions, which members pay as part of their membership dues. Overall, in FY18, the society budget for publication of *MAPS* was very close to breaking even. The contract with Wiley for the publication of *MAPS* will be renewed at the end of 2019. The next term will run from 2020-2024. We have received very favorable terms for this renewal. For many years, participants in the Annual Meeting have been charged an abstract fee for the separate publication of abstracts in Meteoritics and Planetary Sciences and for the production of the USB flash drives. For the Moscow conference, Wiley was unable to deliver the USB drives to Moscow and so they have decided that we won't be charged the production fee. However, we have collected the abstract fees from the conference. These funds could be returned to the members who paid these fees; however, it is unlikely that such a reimbursement could be effected without significant administrative costs and effort. At this stage, Council has decided to retain the fees within the operating fund. The good news here is that in the new contract Wiley will no longer be charging us these abstract fees and they have agreed to waive the fee for the 2019 meeting as well. The new contract with Elsevier for *Geochimica et Cosmochimica Acta* went into effect in January of 2016 and has been working well.

The Operating Fund budget for FY18 is close to being balanced, neglecting fluctuations due to advance payments to and surpluses from our annual meetings.

The budget includes the society's membership to *Elements* magazine. Membership dues remain the same for on-line only subscriptions. However, at the meeting in Santa Fe we voted to raise the rate for print subscriptions to MaPS and to continue to raise the rate for print subscriptions (\$20 each year for professional subscriptions and \$10 for students and retired members.) Developing countries are excluded from these rate increases.

Gifts

The Society wants to give special thanks those who have supported our mission and especially our annual meeting over the years. The Barringer Crater Company deserves special mention. Tim Swindle, the International Meteorite Collectors Association, the Planetary Studies Foundation and the Macovich Collection have also been consistent and generous supporters. This year thanks to the generosity of Dorothy Norton Kashuba and John Kashuba we have been able to set up a new fund, the O. Richard Norton Fund, as described in the assets section of this report. Bevan French made a very generous donation to the general endowment fund in this fiscal year.

We thank the 212 Society members who generously contributed gifts to the Society in the past fiscal year. The total of gifts received for the Endowment, Nier, and McKay Funds was \$14,621. This number does not include the contributions from Tim Swindle, Bevan French or the Kashubas. These many generous donations helped support workshops, awards, student and professional travel and other activities. Members also donated to the TIM (The International Members) Travel Fund intended to support travel for professional members from low-income countries to attend the Annual Meeting. As the corpus of the Fund is being built, donations will be used directly each year for designated travel support. A total of \$1,735 was donated for this purpose in FY18.

The following members contributed \$100 or more during FY18: C. Agee, E. Alexander, E. Anders, A. Bouvier, A. Brearley, S. Brey, R. Carlson, N. Chabot, H. Connolly, G. Crozaz, T. Fagan, G. Flynn, B. French, M. Gaffey, S. Genest, B. Glass, E. Gnos, X. Gotz, M. Grady, E. Grew, J. Grossman, D. Harries, G. Herzog, B. Hofmann, M. Hutson, T. Ireland, M. Ito, E. Jessberger, R. Jones, A. Jull, D. Kashuba, J. Kashuba, N. Kita, J. Koblitz, C. Koeberl, C. Kohl, A. Kracher, L. Labenne, D. Lauretta, L-A. McFadden, H.

Walker, R. Walker, J. Wasson, K. Wimmer, E. Young, B. Zanda Hewins, M. Zolensky.

The following members also made donations: R. Armytage, C. Arps, J. Avila, B. Baecker, M. Bailey, R. Barker, N. Barlow, R. Bartoschewitz, J. Beckett, R. Bild, M. Biren, A. Bischoff, H. Boettcher, J. Boyce, A. Brogioni, D. Brownlee, T. Burbine, P. Buseck, A. Butterworth, P. Cassen, K. Cervantes de la Cruz, P. Claeys, W. Collins, C. Corrigan, C. Danglot, M. Dence, D. Dickson, D. Dietz, K. Donaldson Hanna, J. Edmunson, O. Eugster, W. Farrell, J. Filiberto, R. Garcia, J. Gilmour, T. Harris, W. Hartmann, C. Herd, L. Hill, R. Hilts, E. Hoffman, F. Horz, G. Huss, O. James, D. Johnson, B. Jolliff, J. Jones, A. Jurewicz, S-I. Kawakami, A. Kearsley, L. Keller, W. Keller, T. Kenkmann, M. Khirfan, T. Kohout, R. Korotev, A. Krzesinska, F. Kyte, D. Lange, K. Lemons, R. Lewis, J-C. Lorin de la Grandmaison, G. Lugmair, M. Matthews, J-M. Mazaleyrat, F. McCubbin, K. McKeegan, H. McLean, S. McLennan, H. McSween,

M. Meier, D. Meisel, R. Mettler, F. Meyer, T. Mikouchi, B. Mikuska, D. Miller, D. Mittlefehldt, M. Miyamoto, W-E. Modderman, E. Murad, T. Nakamura, K. Nakamura-Messenger, J. Nauber, D. Nava, C. Neal, H. Nishimura, L. Nittler, M. Norman, F. Olsen, P. Olver, G. Osinski, U. Ott, J. Otto, M. Ouzillou, M. Ozima, H. Palme, R. Pang, R. Patrick, J. Plescia, H. Plotkin, D. Prabhu, N. Rao, D. Record, R. Reedy, A. Riches, M. Robson, P. Rochette, D. Ross, J. Rowe, A. Rubin, A. Ruh, S. Russell, A. Schlazer, R. Schmit, S. Schwenzer, T. Sharp, J. Shorten, P. Sipiera, R. Smith, R. St. Clair, D. Stoeffler, R. Stroud, S. Tachibana, K. Takahashi, M. Telus, H. Thiel, W. Thompson, M. Tyra, M. Varela, M. Velbel, T. Webb, J. Wilk, S. Winzer, A. Wittmann, S. Wolf, D. Woolum, H. Yurimoto, J. Zipfel.

Candace Kohl
October 2018

FROM THE ENDOWMENT COMMITTEE

Projects during the last 12 months

Endowment Committee members for 2018 have been Drew Barringer (Co-Chair), Gary Huss, Rhian Jones, Wolf Uwe Reimold (Co-Chair), and Allan Treiman.

The committee was supported by ex officio member Candace Kohl (Treasurer).

Details of the value of the investment funds and the gifts received this fiscal year are given in the treasurer's report. Note in particular the establishment of the new O. Richard Norton Fund to support travel to the annual meeting and the generous donation by Bevan French.

The Annual Meeting in Moscow was supported with \$4000 for travel grants from the TIM Fund (the travel award fund for scientists from countries with limited financial resources). Again, we are grateful that a considerable part of this investment was offset by donations from members. A further \$6000 from the General Endowment was awarded for travel support of primarily student participants to the Moscow meeting. The O. Richard Norton Fund supplied \$10,000 to support travel to the meeting. Through these funds and significant other sponsorship, it was possible to

support participation from more than 30 student and professional members – the latter, particularly from countries with limited resources.

Other support grants from the Endowment were made available for:

- \$500 for the Pellas-Ryder Award.
- \$2,500 Special Speaker for the 81th Meteoritical Society Meeting in Moscow.
- \$2,000 to support a lecture series in Brazil on meteorites and impact structures given by Uwe Reimold.
- \$3,121 for student travel to the conference/workshop/exhibition entitled “Meteorites China 2017” held in September 2017. A sponsorship of \$ 6,000 had been granted, unused funds of which have been repaid.
- \$3,000 for student travel to the Jilin International Meteorite Conference in China.
- \$5,000 travel support for Meteorite Curators Meeting at the Vatican.

An important procedural change in grant processing was announced in our newsletter last year and was posted to the website in early 2018. We will be considering grant requests only twice a year, with

deadlines of January 15 and June 15. Decisions will be reached at the Council meeting in March and at the Annual Meeting in mid-year. Requests for Endowment Fund grants should be planned so that they can be considered in this schedule, allowing for a phase of at least three months for a Council decision -before funding is needed. Details can be found on the newly redesigned website.

The number of grant requests was down this year. We have money to support deserving projects and

activities so please make suggestions on how the Endowment Fund could be applied to further the interests of our members, especially student members, and to promote our scientific interests, including outreach opportunities.

Candace Kohl
October 2018

PUBLICATIONS REPORTS

Meteoritics and Planetary Science

From the Editor, A.J.T. Jull

I would like to summarize briefly the status of our journal, Meteoritics and Planetary Science. The journal submission rates are very good. There are no production delays in the publication of papers to report. Recent issues have appeared very promptly and the current system works well. In the last year, we received 240 new papers, of which some are resubmissions, as well as 260 different revisions of other papers in process. During the last year, the final “accept” ratio was 79.5%. The number of published papers in 2017 was a record at 153 papers, plus several book reviews and conference reports not counted in that total. Some submission and review data: Average turnround from submission to first decision is 70 days, average time from submission to final decision is 98 days.

Impact factor: The 2-yr impact factor is 2.949 for 2016-2017, an increase from 2.391 in the past 2-year period.

ORCID: All first authors of papers should have an “ORCID” identification when they submit a paper. They are prompted to do this if they don’t have one. This allows indexing services (e.g. Webofscience) to track author information correctly, and avoid misidentifying authors in library and database systems.

Print Statistics: In 2017, we published 153 papers for a total of 2,729 printed pages plus 508 electronic-only abstracts. By comparison in 2018, we have already published 109 papers with 2,032 pages, which is on track to be similar to 2017. The average number of pages per paper is 18.6. The number of abstracts for the Moscow meeting was 358.

Payment for Abstracts: As we announced at the Moscow business meeting, abstract fees will be removed for future conferences.

Electronic publication of Meteoritics and Planetary Science: At the current time, there are only 5 remaining print subscriptions for libraries and 5 “traditional” online subscriptions (according to the Wiley report) – all other subscriptions are online. The number of institutional subscribers with electronic access to the journal is now 5,484. However, 53% of members (about 500 persons) still get the print version of MaPS.

Budget: The total budget request for 2019 of \$121,500, a reduction of \$8,490 from the previous budget.

Thank you for your continued support of our Society journal,

A. J. Timothy Jull
Editor, Meteoritics & Planetary Science
September 6, 2018

Geochimica et Cosmochimica Acta

From the Executive Editor, Marc Norman

GCA received 1044 new submissions for calendar year 2017 and 845 new manuscripts have been received so far in 2017. Both numbers are slightly ahead of this time last year, indicating continued strong interest in publishing in GCA within the geochemical and cosmochemical communities. As of this report, 460 papers have been published in 2018.

Two Special Issues of GCA were published in 2018. “Astrophysical implications of extraterrestrial materials” in honor of Ernst Zinner was published as Volume 221 (15 January), and “Chemistry of the

oceans past and present” in honor of Harry Elderfield was published as Volume 236 (1 September). Our sincere thanks go to all of the authors and reviewers who contributed to this issue, along with a special acknowledgment to the Associate and Guest Editors of these issues for their excellent and timely work. Two other special issues are currently in the works, one on biogeochemical cycles and another as a tribute to Larry Taylor.

GCA’s 2-year impact factor is now 4.69. Journal Management continues in the capable hands of Lisa Lovheim, and our publisher’s representative at Elsevier is now Tessa de Roo, based in Amsterdam. As always, GCA encourages authors to consider diversity when making their Reviewer recommendations in order to create an inclusive pool of reviewers. Therefore, we encourage you to consider reviewers that represent the community in gender, career stages, and in geographies and ethnic backgrounds.

Finally, it is with mixed feelings that I announce my retirement as GCA Executive Editor effective at the end of 2018. It has been a joyful burden but I am now ready to pass the baton. We were lucky to have a number of applicants, all highly qualified, and the Joint Publication Committee has done an outstanding job of considering them. I expect an announcement of the new GCA Executive Editor in the near future.

Marc Norman
October 2018

Elements

Elements is a bimonthly publication with an international circulation of ~15,000 focusing on subjects and news of broad interest in the geological sciences. Recent/upcoming issues with specific interest to the Meteoritics community include the Cosmic Dust issue, which was published in 2018, and the Mercury issue, which will be published in February of 2019. The Meteoritical Society publishes Society news in 1-2 pages per issue, and is responsible for a feature article every other issue, entitled “CosmoElements” that highlights hot topics in the fields of Meteoritics and Cosmochemistry. Most recently, these CosmoElements articles have discussed Australasian tektites (Aaron Cavosie, February 2018), NASA’s upcoming Psyche Mission (Lindy Elkins-Tanton, June 2018) and the meteoritic beads of the Hopewell culture (Tim McCoy, October 2018). Under an agreement between *Elements* magazine and the Meteoritical Society, members receive printed copies of *Elements* as part of their membership package and have electronic access to all articles published by *Elements*, including past issues. The editor for the Meteoritical Society’s contributions to *Elements* is Cari Corrigan (Smithsonian Institution). Please feel free to contact her with ideas for entire issues, or *CosmoElements*.

Cari Corrigan
October 2018

FROM THE NOMENCLATURE COMMITTEE

Here is an overview of NomCom activities in 2018.

Chair, Meteoritical Bulletin Editor, Deputy Assistant Editor and Database Editor

Audrey Bouvier is the Chair of the Nomenclature Committee since June 2018, replacing Laurence Garvie who served this position for about two years. Jerome Gattacceca is the Editor of the Meteoritical Bulletin since April 2018, replacing Audrey Bouvier who stepped down after 4 years serving as Deputy Assistant Editor and Editor. Jerome is supported by Deputy Assistant Editor Francis McCubbin. Jeff Grossman is the Meteoritical Bulletin Database Editor.

Dense Collection Areas (DCA) Subcommittee

The committee consists of Knut Metzler (DCA Chair), Jeff Grossman, Jerome Gattacceca, and Hasnaa Chennaoui-Aoudjehane.

NomCom Committee

The committee consists of nine members: Audrey Bouvier, Emma Bullock, Hasnaa Chennaoui-Aoudjehane, Vinciane Debaille, Massimo D’Orazio, Tasha Dunn, Mutsumi Komatsu, Francis McCubbin, and Knut Metzler; and three ex-officio members: Jérôme Gattacceca (MetBull Editor), Jeff Grossman (Database Editor), and Meenakshi Wadhwa (MetSoc Vice-President).

Meteoritical Bulletin Database (MBDB)

The database is a record of all recognized and classified meteorites as accepted by the Committee for Meteorite Nomenclature (NomCom) of the Meteoritical Society. In addition, the database lists all DCAs (including their KML coordinates for direct viewing in Google Earth), and NomCom-approved Collections and Repositories as well as other institutional collections.

Meteorites: The MBDB database (<http://www.lpi.usra.edu/meteor/>). Which is updated regularly by the Database Editor Jeff Grossman, currently (as of October 2nd, 2018) lists 59598 valid meteorite names (includes relict meteorites).

So far in 2018, the database lists 2228 new meteorites including 1569 from Antarctica, 478 from Africa, 113 from South America, 31 from Asia, 17 from North America, 6 from Europe, and 9 from Unknown locations. These include 9 meteorite falls (listed as Confirmed or Probable) including **Kheneg Ljouâd** (Morocco), **Aba Panu** (Nigeria), **Hamburg** (United States of America), **Mangui** (China), **Mazichuan** (China), **Mukundpura** (India), **Ozerki** (Russia), **San Pedro de Urabá** (Columbia), and **Sokoto** (Nigeria), and **Tintigny** (Belgium).

Dense Collection Areas: 13 new DCAs have been approved: Morocco (Talhraicht, Tazzarine, Aydar, Errachidia, Algeria (Ouargla, Erg Chech), and China (Jeminay), Chile (Taltal, Las Bombas, Diego de Almagro), and Antarctica (Devils Glacier, Amundsen Glacier, Nodtvedt Nunataks), and 1 was modified in Algeria (Regane).

Type specimen repositories: The NomCom currently recognizes 90 institutions as repositories for meteorite type specimen. The newest additions are **FMMR** - Fersman Mineralogical Museum, Russian Academy of Sciences, Russia; **MLP** - Museo de La Plata, Argentina; **PRL** - Physical Research Laboratory, Ahmedabad, India, **IGCAS** - Institute of Geochemistry, Chinese Academy of Sciences, China, **HMG** - Hunan Museum of Geology, China, and **UNIL** - Musée cantonal de géologie, Université de Lausanne, Switzerland.

Meteorite Bulletin: The Meteoritical Bulletin 106 is being prepared for publication by Wiley. Meteoritical Bulletin 106 contains 1868 meteorites including 10 falls (Aiquile, Broek in Waterland, Degtevo, Dingle Dell, Dishchii'bikoh, Hradec Králové, Kheneg Ljouâd, Oudiyat Sbaa, Serra Pelada, Tres Irmaos), with 1386 ordinary chondrites, 166 carbonaceous chondrites, 119 HED achondrites, 48 Lunar meteorites, 37 iron meteorites, 36 ureilites, 19 Martian meteorites, 13 enstatite chondrites, 12 rumuruti chondrites, 9 primitive achondrites, 8 mesosiderites, 5 enstatite achondrites, 4 ungrouped achondrites, 4 pallasites, and 1 relict meteorite. Amongst these, 958 meteorites are from Africa, 405 from Antarctica, 245 from Asia, 228 from South America, 12 from North America, 8 from Europe, 5 from Mars, 4 from Oceania, 1 from an Unknown location.

Audrey Bouvier, Chair
October 2018

FROM THE MEMBERSHIP COMMITTEE

The Membership Committee is pleased to report that our Society continues to show strong membership from 48 countries. At the latest count, we are 955-strong, representing scientists, amateur scientists and enthusiasts. Our membership may be broken down into 646 members, 101 students, 160 retired members, 27 life members, 19 members from developing countries, and 2 complimentary memberships.

The Membership Committee would like to take the opportunity to welcome new members, and to recognize those members whom we have lost over the past year. The Membership Committee would also like

to invite members to nominate deserving people in the Society (for the Service Award) who have promoted research and education in meteoritics and planetary science by means other than conducting scientific research.

New Members

We welcome 40 new non-student members: Brahim Abeiri, Daniel Moncada, Larbi Zennouri, Yassir Abdu, Carlos Alonso, David Butland, Camilo Duarte, Zhouping Guo, Matthew Huber, Yogita Kadlag, Elizaveta Kovaleva, Konstantin Litasov,

Philip Mani, Yves Marrocchi, Mike Maung, Ruslan Mendybaev, Carlos Munecas, David R. Nelson, David A. Nelson, Wladimir Neumann, Laurette Piani, Juan Carlos Pinzon, Oscar Ramirez, Manuel Sanchez, Marc Seguineau, Anil Shukla, Steven Singletary, Marissa Tremblay, Ozan Unsalan, Ziyao Wang, Kun Wang, Sue Wirick, Alberto Albinati, Laurence Baker, Douglas Fowler, Joe Gianninoto, Richard Hoover, Robert Kopp, Donald Reinke, and Herb Yeates.

The global distribution of our membership. A black sphere indicates a country in which we have members, with the sphere size indicating the relative number of members in each.



We also welcome 29 new student members: Alireza Aghajamali, Kana Amano, Christian Anderkin, Claudia Aravena Gonzalez, Jens Barosch, Ozcan Caliskan, Neeraja Chinchalkar, Orion Cohen, Irina Danilenko, Thomas Dehais, Guillaume Florin, Jake Graves, Timothy Gregory, Jan Hellmann, Evgeniya Khakhalova, Lisa Kramer Ruggiu, Nozomi Matsuda, Kaitlyn McCain, Sarah McMullan, Noemi Meszarosova, Zoe Morland, Aine O'Brien, Denis Pnomarev, Sandra Potin, Miriam Ruefenacht, Doreen Schmidt, Malgorzata Sliz, Amanad Stadermann, and Craig Walton. A reminder to our new student and continuing student members about the Student Reception at the Annual Meeting of the Meteoritical Society! This represents an exciting opportunity to meet peers in the planetary science community and to network with discipline experts. We'll see you next year at the reception at the 82nd Annual Meeting of the Meteoritical Society in Sapporo, Japan! By becoming a student member, you are offered a substantial registration discount, and are eligible to apply for travel grants and the Gordon A. McKay Award, which is given each year to the student who is deemed to

have delivered the best oral presentation at the annual meeting of the Society.

Membership Committee Goals

In the previous year, our Committee was focused on soliciting nominations for the Service Award and increasing student membership. These continue to remain our primary initiatives in 2018 and beyond. Last year, we received two new nominations of deserving Society members, bringing the total Service Award nominees to four. This year, we received only one new nomination. In 2019, it is our goal to increase the nomination pool for our vote. Do you have someone in mind who should be honored for their advancement of the goals of the Society? If yes, please see below for details on how to submit your nomination.

Student members are an important component of a healthy Society. These scientists-in-training represent the next generation who will carry forward our mission of promoting research and education in meteoritics and other extraterrestrial materials that further understanding of our solar system's origin. Student memberships are offered at a special rate so if you haven't done so already, we encourage you to join today! To provide additional benefits to our students, the Membership Committee brought forth to Council the idea of hosting a student-engagement function at The Society's Annual Meeting. We are pleased to report that at the 80th annual meeting in Santa Fe, the first free Student Lunchtime Meet & Greet event was hosted on July 25th, 2017. This event provided an excellent forum where students could interact with their peers and meet with senior scientists in the community. The aim was for students to gain insight into what to expect from a career in meteoritics, to establish contacts and even find opportunities for collaborations and internships. From all accounts, the event was a huge success. Our Committee continues to promote this initiative, with the goal of making the Student Reception a recurring event.

Deceased Members

It is with great sadness that we acknowledge the passing of Joseph Hilbe, Fara Lindsay, Elmar Jessberger, Robert (Bob) N. Clayton, Koh Sakamoto, Christine Floss, and Ursula Marvin this past year. Heartfelt condolences are extended to family and friends of these members who contributed to the field of meteoritics and planetary science.

Service Award Nominations

The Membership Committee asks members of the Society to submit nominations for The Service Award. Previous attempts to solicit nominations have proved difficult and we need your support to recognize the efforts of our well deserving members. This Award was established in 2005 to honor those members who have advanced the goals of the Society in ways not including scientific research which could include education and public outreach, service to the broader scientific community, acquisition, as well as classification and curation of new samples for research. In the past we have awarded deserving recipients including Jeff Grossman, Roy Clarke Jr, Ralph Harvey, Gisela Poesges, Cecilia Satterwhite and most recently Rainer Bartoschewitz. Winners are granted lifetime membership to the Meteoritical Society. Nomination

packages for the 2018 Service Award will be accepted up to January 30th, 2018 which should include a biographical sketch of the candidate and additional substantive information, as well as additional secondary letters to strengthen the nomination. Nominations should be sent by email to metsec@gmail.com. We hope to hear from you soon!

Erin Walton on behalf of Membership Committee members Gretchen Benedix, Ludovic Ferrière, Tomas Kohout, Matthias Meier, Mendy Ouzillou, and Devin Schrader

Prepared with the assistance of J. Alex Speer
September 2018

AWARDS AND HONORS

Leonard Medal for 2019 to Hisayoshi Yurimoto

The Meteoritical Society recognizes Hisayoshi Yurimoto with its 2019 Leonard Medal for his contributions to our understanding of the distributions of oxygen isotopic abundances in the protosolar molecular cloud and protoplanetary disk, the generation of isotopically distinct reservoirs in the disk and the chronology and processes related to the origins of refractory inclusions, chondrules and matrices of chondritic meteorites.

Nier Prize for 2019 to Aki Takigawa

The Meteoritical Society recognizes Aki Takigawa with its 2019 Nier Prize for her contributions to understanding formation processes of oxide and silicate dust in circumstellar environments, through laboratory growth experiments and analysis of presolar grains in meteorites..

The recipients of the Leonard Medal and the Nier Prize were selected by the Leonard Medal Committee: Richard Binzel (chair), Maria Schönбächler, Hiroshi Hidaka, Roger Hewins, and Sara Russell.

Barringer Medal and Award for 2019 to Mark Cintala

The 2019 Barringer Medal is awarded to Dr. Mark Cintala for his seminal research in the fundamental aspects of the cratering processes and products.

The Barringer Medal Committee selected the recipient of this award. The committee members were John Spray (chair), Akiko Nakamura, Michael Poelchau, and Michael Zanetti.

Service Award for 2019 to Rainer Bartoschewitz

The Service Award for 2019 is awarded to Rainer Bartoschewitz for his role in bridging private collectors with scientists, and in meteorite classification.

The Service Award was selected by the Membership Committee: Erin Walton (chair), Devin Schrader, Ludovic Ferrière, Gretchen Benedix, Mendy Ouzillou, Thomas Kohout and Matthias Meier.

New Society Fellows for 2018

The Meteoritical Society recognized nine new Fellows in 2018. They include:

Audrey Bouvier (Canada), for her fundamental contributions to the chronology of early solar system processes and formation of the solar system using nucleosynthetic isotope tracers.

Henner Busemann (Zurich) for his study of noble gases found in meteorites. His studies range from SNCs, to ordinary chondrites (Chelyabinsk), to returned samples (Hayabusa-Itokawa).

Nancy Chabot (USA), for her work on partitioning of minor and trace elements in iron meteorites, trying to connect the meteorite sample community with other related communities and she was the instrument scientist for the Mercury Dual Imaging System on MESSENGER.

Barbara Cohen (USA) for her work on age dating of lunar impacts - both in meteorites and Apollo samples - she has worked across the spectrum of meteorites from aqueously-altered carbonaceous chondrites to mesosiderites. In addition, she has been actively involved in spacecraft missions from her involvement in the Mars Exploration Rover mission to serving as PI on the FLASHLIGHT lunar cubesat mission.

Ian Franchi (UK), for his work on the origin and evolution of the solar system through detailed investigation of the chemical and isotopic compositions of meteorites and interplanetary dust particles.

Hasnaa Chennaoui Aoudjehane (Morocco), for her efforts in characterization of recent meteorite falls and meteorite impacts and associated geologic and petrologic indicators. Also for characterization of the Tissant Martian meteorite, field observations of shatter cones and descriptions of many newly identified meteorites. She was also instrumental in promoting planetary science in Morocco, the Arab world and Africa.

Takashi Mikouchi (Japan), for detailed mineralogical studies on diverse planetary materials from Stardust particles to Mars meteorites to understand their formation and shock histories.

Akira Tsuchiyama for his investigations of kinetics of evaporation of major minerals in the early solar system and accompanying isotopic fractionation, important processes responsible for chemical and isotopic fractionation in chondrites

Qin-Zhu Yin (USA), for his analysis of radioactivity and general isotopic anomalies in the early solar system. His studies focus on isotopes in primitive meteorites as a tool to study the time scales and sites of nucleosynthesis, the time of formation of

the early solar system and the onset of planetary differentiation.

McKay Award for 2018 to Tomothy Gregory

The McKay Award for 2018 (81st Annual Meeting in Moscow) goes to Timothy Gregory (University of Bristol) for the presentation " Using refractory forsterite grains to test models of ²⁶Al/²⁷Al heterogeneity".

Wiley Awards for 2018

Wiley, the publisher of our journal, *Meteoritics and Planetary Science*, again sponsored five awards of \$500 each for outstanding presentations by students at our 81st Annual meeting. The 2018 winners are:

Jan Hellman (Universität Münster) for the presentation "Thermal and impact history of ordinary chondrite parent bodies inferred from Hf-W chronometry".

Jane L. MacArthur (University of Leicester) for the presentation "Constraining the thermal history of Martian breccia Northwest Africa 8114".

Doreen Schmidt (Friedrich-Schiller-Universität) for the presentation " Laser simulated hypervelocity micrometeoroid impacts: orientation dependent shock effects in enstatite single crystals".

Malgorzata Sliz (University of Bern) for the presentation "Terrestrial ages of meteorites using *in situ* ¹⁴C and ¹⁰Be measurements".

Brendan Haas (Washington University, St. Louis) for the presentation "FIB-TEM study of 6 submicron craters from Stardust foil C2113N-A".

The recipients of the McKay Award and the Wiley Awards for 2018 were selected by a committee chaired by Tasha Dunn. The Society is grateful for their participation.

Pellas-Ryder Award for a paper published in 2017

The Pellas-Ryder Award for a first-authored student paper published in 2017 goes to Emily Worsham for her paper titled "Characterizing cosmochemical materials with genetic affinities to the Earth: Genetic and chronological diversity within the IAB iron meteorite complex," published in *Earth and Planetary Science Letters* in 2017.

The selections of the Pellas-Ryder Award for 2017 were made, as always, by a joint committee of the Meteoritical Society (MS) and the Geological Society of America (GSA). Its members for this award year were Brad Thomson (GSA, Chair), Jon Friedrich (MS), Lindsay Keller (MS), Katherine Joy (MS), Sharon Wilson Purdy (GSA) and Emily Martin (GSA).

Elsevier Early Career Scientist Award 2018

Elsevier, the publisher of our sister journal, *Geochimica et Cosmochimica Acta*, is donating funds to support travel to our Annual Meeting for scientists within 5 years of receiving

their Ph.D. This year three awards were given. The recipients were Thomas Barret (The Open University, UK) for the paper “Linking volatiles and microstructures in apatite from eucrites”, Mattias Ek (ETH Zürich, Switzerland) for the paper “Dust formation around AGB stars and the origin of nucleosynthetic variations in the solar nebula” and Atsushi Takenouchi (The University of Tokyo, Japan) for the paper “Pre-heated shock recovery experiments of olivine-phyric basalt for estimations of planetary shock events.”

CALL FOR NOMINATIONS: AWARDS AND FELLOWS

The society depends on its members to nominate deserving candidates for its awards and fellowships. Your participation is needed and important. The procedures for making a nomination are summarized here and can also be found on our website, http://meteoriticalsociety.org/?page_id=66.

Nominations for Meteoritical Society awards should be sent, preferably by email with electronic attachments, to the appropriate committee chair listed at the end of each paragraph where that person is known, or to the Secretary (MetSocSec@gmail.com). E-mail addressed to the Secretary will go to me (Mike Weisberg) or Munir Humayun after Jan. 1.

Leonard Medal and Nier Prize - Deadline January 15, 2019

Leonard Medal

The Leonard Medal honors outstanding contributions to the science of meteoritics and closely allied fields. It was established in 1962 to honor the first President of the Society, Frederick C. Leonard. Nominations for the Leonard Medal should include:

- a formal letter of nomination,
- a biographical sketch of the candidate,
- a list of publications covering the work to be considered for the award,
- 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,

one seconding letter in support of the nomination (additional letters are encouraged).

Nier Prize

The Nier Prize recognizes outstanding research in meteoritics and closely allied fields by young scientists. The award was established in 1995 to honor the memory of Alfred O. C. Nier, and is supported by an endowment given by Mrs. Ardis H. Nier.

In 2013 and with the approval of the Nier family, the eligibility requirements for the Nier Prize were changed as follows: 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, or whose doctorate was awarded no more than seven calendar years before the year of selection by the Council. For 2019, this language means that the nominee must either have 1) been born on or after January 1, 1985; or 2) received the doctorate on or after January 1, 2012.

Nominations for the Nier Prize should include the items listed above for the Leonard Medal. They should also include the candidate's date of birth and the date on which the doctorate was awarded. 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.

Please send nominations to metsosec@gmail.com and to Sara Russell (chair of the Leonard Medal Committee) sara.russell@nhm.ac.uk.

Barringer Medal - Deadline January 15, 2019

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 were established in 1982 to honor the memory of D. Moreau Barringer Sr. and his son D. Moreau Barringer Jr. and are sponsored by the Barringer Crater Company. Nominating letters should include:

- a biographical sketch of the candidate,
- a summary and evaluation of the accomplishments of the candidate and the importance of the candidate's work,
- a list of publications covering the work to be considered for the award, and
- one or more seconding letters.

Please send nominations to metsec@gmail.com and to John Spray (chair of the Barringer Medal Committee) jgs@unb.ca.

Service Award - Deadline January 31, 2019

This 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. 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.

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.

Please send nominations to metsec@gmail.com and to Erin Walton (chair of the Membership Committee) ewalton@ualberta.ca.

Pellas-Ryder Award -- Deadline January 31, 2019

This award, which is jointly sponsored by the Meteoritical Society and the Planetary Division of Geological Society of America, is for undergraduate and graduate students who are the first author of a planetary science paper published in a peer-reviewed scientific journal. To be eligible for this cycle, the paper must have a publication year of 2018. Any first author of a paper published on a topic listed on the cover of *MAPS*, who was a student when the paper was submitted, is eligible for consideration for this award. Nominations should include

- the full citation,
- a brief description of the paper's significance,
- a letter from the department head verifying that the first author was a registered student when the paper was submitted, and
- a letter from the student's advisor describing what portion of the work was done by the student.

Please send nominations to the secretary metsec@gmail.com and Brad Thomson (chair) bjt@bu.edu.

Nomination of Fellows for 2020

The Society will not elect new Fellows until 2020. Nominations may be received at any time, however.

Members who have distinguished themselves in meteoritics or in closely allied fields may be elected Fellows by the Council. No more than 1% of the members can be elected in even-numbered years. An alphabetical list of Fellows of the Society may be found on our web site (click Awards and then Fellows in the left hand menu).

Nominations for fellows 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 the Secretary, metsec@gmail.com.

FROM THE SECRETARY

As I near the end of my second (and last) term as Secretary I would like to say that it has been a pleasure working with Presidents Mike Zolensky and Trevor Ireland, Treasurer Candace Kohl, Vice President Mini Wadhwa, and all of The Society councilors and committee chairs and members. I continue to be impressed by the amount of time and effort that our colleagues devote to help The Society carry out its business and activities. Starting January 1, the role of Secretary will be placed into the very capable hands of Munir Humayun.

This last year as secretary was a busy one. It included reviewing the new contract with Wiley for publication of *MaPS*; the new General Data Protection Regulation needs to be part of this new agreement and it also required an addendum to our existing (joint with the Geochemical Society) contract with Elsevier for publication of *GCA*. Also this year, The Society website needed to be rebuilt. This was a time consuming task but it is now online.

I urge members to visit the new website. It is always being updated with new features and news and announcements, including awards and memorials to prominent Society members that have passed away. This year, we posted remembrances for Friedrich Begemann, Christine Floss, Ursula Marvin and Bob Clayton. Additionally, we added a *News* category to the website called *People* which contains contributions about the people who make up our society.

Nominations for Awards and Fellows

Please nominate deserving candidates for Awards or to become Fellows. Members of Council are not allowed to nominate (according to the Bylaws).

Future Meetings of the Meteoritical Society

We are seeking proposals for the 2023 Annual Meeting. Please contact us (metsocsec@gmail.com) if you are interested in hosting the meeting.

Mike Weisberg
October 2018