

**Meteoritical Society Council Meeting
Invitees
Meteoritical Society Council Meeting
12:00 to 5:00 pm, Sunday, July 23, 2017
Stiha room in the La Fonda hotel
Santa Fe, NM**

Past President Invitee

Michael Zolensky

Council Members Invitees

Trevor Ireland (Pres.)
Mini Wadhwa (VP)
Candace Kohl (Treas.)
Mike Weisberg (Sec.)
Catherine Corrigan (and Elements)
Mario Trieloff

Caroline Smith
Keiko Nakamura-Messenger
Christine Floss
Maria Eugenia Varela
Francois Robert
Pierre Rochette

Council Member Regrets

Maria Eugenia Varela
Keiko Nakamura-Messenger

Guests Invitees

Cecile Engrand (PubCom)
Lydia Hallis (MetSoc 2020 Glasgow)
Jeff Grossman (NASA report)
Laurence Garvie (NomCom)
Marina Ivanova (MetSoc 2018, Moscow)
Sara Russell (Leonard Medal)
Tasha Dunn (McKay Award)
Erin Walton (Membership/Service Award)
Alex Deutsch (Barringer Award)
Hasnaa Chennaoui (Initiative for Planetary and
Space Sciences in Africa)

Tim Jull (MaPS)
Fiona Sarne (Wiley)
Karen Ziegler (MetSoc 2017)
Marc Norman (GCA)
Yoshi Yurimoto (2019 meeting)
Liz Canuel (JPC)
Kate Hibbert (Elsevier)
Uwe Reimold (Berlin, EC)
Beda Hofmann (Audit Com)

Guest Regrets

Marc Norman (GCA)
Alex Deutsch (Barringer Award)
Kate Hibbert (Elsevier)
Lydia Hallis (MetSoc 2020 Glasgow)

Beda Hofmann (Audit Com)
Laurence Garvie (NomCom)
Cecile Engrand (PubCom)
Liz Canuel (JPC)

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|--|-------------|-------|----|
| 0 Welcome and introductions | Ireland | 12:00 | 05 |
| 1. Minutes last Council Meeting | Weisberg | 12:05 | 05 |
| 2. President's report | Ireland | 12:10 | 05 |
| 3. Secretary's report (vote) | Weisberg | 12:15 | 05 |
| 4. Treasurer's Report (vote) | Kohl | 12:20 | 15 |
| 5. Audit Committee | | 12:35 | 05 |
| 6. Awards | | | |
| 6.1 Leonard Medal (+ Nier Prize) (closed vote) | Russell | 12:40 | 10 |
| 6.2 Barringer Award (closed vote) | | 12:50 | 10 |
| 7. Membership Com and Service Award (closed vote) | Erin Walton | 13:00 | 10 |
| 8. Meetings reports | | | |
| 8.1 2017 Santa Fe update | Ziegler | 13:10 | 10 |
| 8.2 2018 Moscow update | Ivanova | 13:20 | 10 |
| 8.3 2019 Sapporo update | Yurimoto | 13:30 | 10 |
| 8.4 2020 Glasgow | | 13:40 | 10 |
| 8.5 2021 invitation (vote) | Heck | 13:50 | 15 |
| 8.6 2016 Berlin Closing | Reimold | 14:05 | 10 |
| 9. Endowment Committee report | Riemold | 14:15 | 10 |
| BREAK | | 14:25 | 10 |
| 10. Elements | Corrigan | 14:35 | 10 |
| 11. McKay Award | Dunn | 14:45 | 10 |
| 12. Nomenclature Committee report | Garvie | 14:55 | 15 |
| 13. MaPS | | | |
| 13.1 Editor's report | Jull | 15:10 | 10 |
| 13.2 Wiley Report | Sarne | 15:20 | 10 |
| 13.3 Publications Committee report | Engrand | 15:30 | 10 |
| 14. GCA | | | |
| 14.1 GCA update | | 15:40 | 10 |
| 14.2 JPC report | Canuel | 15:50 | 05 |
| 15. Africa Initiative | Chennaoui | 15:55 | 10 |
| 16. NASA Report | Grossman | 16:05 | 10 |
| 17. New business | | 16:15 | 05 |
| 18. Adjourn | | 16:20 | |

0.0 The president welcomed councilors to the meeting.

1.0 Approval of the Minutes.

The secretary (Mike Weisberg) called for approval of the minutes from the March meeting in Houston. Candace Kohl motioned to accept the minutes, Mike Zolensky seconded and all voted in favor.

2.0 President reports (Trevor Ireland)

1) Guidelines for 3rd world Country travel awards. The president informed council that the Guidelines would be discussed at the EC meeting. It was discussed that the UN HINARI list may not be the best to use for the goals of The Society.

2) Impact crater nomenclature

Nomenclature committee for defining impact craters. Last year there was discussion on developing a committee for impact crater nomenclature. Council was asked to consider revisiting this issue. Mini Wadhwa was asked to examine this issue.

3) March (online) Council meeting. The president reminded council that fall meeting usually held in Houston during the week of LPSC would instead be an online meeting. The president recommended that council trial an online meeting in October.

3.0 Secretary's report (Mike Weisberg)

The Secretary reported on activities since the last Council meeting held on March 19, 2017 in Houston (LPSC).

3.1 Actions taken by e-mail.

3.1.1 Council ratified the recommendation of the Pellas-Ryder Award Committee. The Committee recommended giving the award to two equally outstanding papers: Gerrit Budde, a PhD student at the Wilhelms-Universität Münster Germany, is jointly awarded the 2017 Pellas-Ryder award for his paper 'Tungsten isotopic constraints on the age and origin of chondrules', published in the Proceedings of the National Academy of Sciences in 2016. James Keane, PhD student at the University of Arizona, is jointly awarded the 2017 Pellas-Ryder award for his paper 'Reorientation and faulting of Pluto due to volatile loading within Sputnik Planitia' published in Nature in 2016.

Council voiced concern about setting a precedent for two winners each year and directed the Pellas-Ryder Committee to work toward a single winner for next year's award.

3.1.2 Council approved The Society's endorsement of the Africa Initiative for Planetary and Space Sciences AfrIPS. The request came from Hasnaa Chennaoui Aoudjehane.

3.1.3 Council voted to approve the new pricing for library subscriptions to MaPS with the provision that Fiona Sarne explain the pricing increase history and discuss future projections.

3.2 Additional activities.

3.2.1 At last LPSC, the secretary met with Marc Norman and Kate Hibbert to discuss issues regarding *GCA*. Items discussed included:

- Elsevier Award fund which will be available for 2017.
- Review articles could help increase the impact factor of the journal
- Encouraging special issues

- Response times for reviews are expected in 12 weeks but could be customized depending on the manuscript.
- New online journal is being launched – Nature Astronomy
- Publishing commentaries on articles
- Gender balance in AE's – currently 23 % are women
- Suggestion to survey AE's for ideas for review articles.

3.2.2 Hosting of The Society website and domain Name. The domain name needs to be renewed in January 2018. The Website is currently hosted by Techneco Services and our contract with them ends in June 2018.

Candace Kohl motioned to accept the secretary's report, Christine Floss seconded and all voted in favor.

4.0 Treasurer's Report (Candace Kohl)

This Report summarizes the society's financial activity, during Fiscal Year 2017 (FY17), from 1 June 2016 to 31 May 2017. It also includes the budget for FY18 and recommendations on membership dues for the calendar year 2018.

Tax Reporting

Tax returns for FY16 (1 June 2015 to 31 May 2016) were completed and filed.

The following forms were submitted:

- IRS Form 990: Return of Organization Exempt from Income Tax.
- Form 199: California Exempt Organization Annual Information Return.
- Annual Registration Renewal Fee Report to Attorney General of California

Membership

The total membership on 16 July 2017 was 1018. This is similar to the 1035 members at about this time last year.

The UN Hinari list does not include India, Morocco, Algeria, Brazil or Russia. Scientists from these countries may need travel support to meetings. Council needs to review if members from these countries should be eligible to receive travel grants, to satisfy the goals of The Society.

Assets

The treasurer reviewed that The Society's assets. The Operating Fund is distributed between several accounts as follows: The main Operating Fund is held in two accounts with Bank of America: a checking account and a related savings account that accrues interest.

Membership dues are collected and managed by the Mineralogical Society of America (MSA): funds collected by MSA are deposited in a Wells Fargo checking account, and then transferred periodically to the Bank of America account.

PayPal account is used occasionally for membership dues and website fees to Techneco, Japan.

Bank balances of all four Operating Fund accounts stood at \$ 287,905.66 at the end of FY17.

The Merrill Lynch Investment Fund had a Portfolio Value of \$1,158,772.85 on 31st May 2017. The Investment Fund is distributed among four different endowed funds: the Endowment Fund, the Nier Fund, the Gordon A. McKay Fund, and the Travel for International Members (TIM) Fund. The Investment Fund also holds the Reserve Fund that was established in 2013, with a flat value of \$100,000.

At the end of May 2017 a total of \$13,682.61 was being held in the Investment Fund, and needs to be transferred to the Operating Fund.

Taking into account encumbrances and the equity balance, the effective balance of the Operating Fund is \$304,683.27.

Investment Fund

The Portfolio value of the Investment Fund as of May 31, 2017 was \$1,158,772.85 The Meteoritical Society Endowment Fund returned 5.88% as of June 2017.

The current distribution between the four endowed funds is approximately as follows: 75% is in the General Endowment Fund, 6% of the money is in the Nier Fund, 6% is in the Gordon A. McKay Fund, and 3% is in the Tim Swindle Travel Fund. When a cash transaction occurs in the Investment Fund, the percentages attributable to each of the four endowed funds must be recalculated. This must include keeping the Reserve Fund at a flat value of \$100,000. This has not been completed yet for this year.

A total of \$1,860 was donated by members to the McKay Fund, \$1,505 to the Nier Fund and \$9,850, including \$225 in cash and checks to the Endowment Fund.

During the period 1 June 2016 to 31 May 2017 the \$10,000 from Tim Swindle was added to the TIM fund.

A note about the MetSoc TIM Fund: The intention of the Endowment Committee is that these grants will continue during the period of time that the TIM Fund is building up its full corpus. The grants are offset by donations from members who are invited to donate to this fund on the membership renewal form. A total of \$1,800 was raised to support travel to MetSoc 2017 as of 31st May 2017.

Wiley account and budget

A significant amount of the society's financial turnover is associated with the cost of publishing MAPS. The society pays Wiley for member subscriptions, collected as a part of membership dues. The actual cost, for which The Society was billed in January 2017, was \$35,495.

The Society receives a contribution towards the MAPS editorial office expenses from Wiley. This sum began at \$85,000 in 2010 and increases by 3% each year, so that in 2017 it stands at \$104,562. We also receive royalties from Wiley, calculated as 11% of Wiley's revenue. The projected amount for 2016 is \$46,358. As per the agreement with Wiley, we receive 75% of this sum in advance, and the balance for 2016 was paid in April 2017.

The Wiley budget includes \$2,000 that Wiley has given to the society for the last two years, to support the Wiley awards to students presenting at MetSoc meetings as well as an annual payment of \$500 to the society as a travel grant, as detailed in the Wiley agreement. These values appear together in their budget for 2016 listed under grants although they are different categories. The \$2,500 has been received for Metsoc 2017.

Operating Fund Account, FY17

Activity in the Operating Fund for FY17 in the period 1 June 2016 – 31 May 2017.

Revenue: Membership dues collected to 31 May total \$80,422. This compares with \$85,961 at the same time last year. This number has been slowly decreasing perhaps due to increased electronic only dues.

The abstract fees were collected by the MSA Office. A few of them were paid directly to the editor. The Society received several donations towards grants and awards. Funds for the 2017 Barringer Award were received from the Center for Meteorite Studies, ASU. Wiley provided a grant of \$2,000 to fund student awards at MetSoc 2017 and an additional \$500 toward travel for the meeting. Travel awards for MetSoc 2017 from the International Meteorite Collectors Association (IMCA) and the Planetary Studies Foundation (PSF) were also processed through the Operating Fund as was a donation from the Macovich Collection. The Barringer Student Travel Awards and the Barringer Lecture Honorarium for the 2017 Metsoc meeting are reported here. For the first time we received grant money from Elsevier.

Expenses:

Abstract fees were paid to Wiley for 2015 and 2016.

MAPS editorial office. Society support for the editorial office is made in four equal quarterly payments. The amount is based on the MAPS budget provided by Editor Tim Jull.

Elements magazine. Payment for member subscriptions to Elements.

Awards. The travel awards money for MetSoc 2016 was wired to the organizer. This included the Barringer funds, the Wiley donation, the Tim fund and the general endowment fund. Cash was withdrawn to pay travel awards in USD to international recipients of travel grants and prizes.

MSA membership services - fees for handling subscriptions and the membership database. MSA charges a monthly maintenance fee of \$300. The 2016 invoices include membership processing (\$5 per member), as well as charges for sending paper renewal forms, postage, and internet services.

Fees for credit card payments of membership dues are debited directly from the Wells Fargo loan to MetSoc 2017

Website fees. The website is administered by Techneco, Japan. We pay a monthly fee of JPY6,000 plus tax (approximately \$70 per month).

Net gain in the Operating Fund, for FY17 to 31 May, 2017 is \$122,570.85. This does not reflect bills not yet paid and includes the large profit from the 2015 Metsoc meeting.

FY18 Operating Fund Budget

Revenue from membership dues is estimated to be \$80,000.

Income from Wiley (\$135,520: Revenue Line 2) is reasonably close to the cost of running the MAPS office (\$129,990 Expenses Line 2).

\$30,000 is included as a loan to future MetSoc meetings. This number may need to be increase at this time.

Overall, this budget shows a profit of about \$5,562.

Reconciliation: All checking and savings accounts balance.

Overview and Recommendations

The society is in sound financial health with a balanced operating budget.

1) Membership Dues

The Operating Fund budget for FY18 is close to being balanced. The Treasurer recommended that we should keep membership dues at current rates for 2018.

2) Cash Surplus

The Operating Fund currently holds over \$300,000 in its effective balance. This high number is because the \$50,000 that should have been transferred was left in the operating account. The funds that were owed to the operating account from the investment account for FY 16 have not yet been transferred. This amount is \$20,172.43. This would leave a total of \$79,827.56 that should have been transferred to the investment account before June 1, 2017. If that amount is subtracted from the effective balance in the operating account we would have \$224,855.71. The investment account owes the operating account \$13,682.61 for this, this money has not been transferred.

According to the bylaws, “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.” Also, “The Society should maintain a reserve fund amounting to at least 10% of budgeted annual expenditures for use in emergencies.”

Budgeted annual expenditures are ~\$250,000, so the bylaw requires a minimum reserve of approximately \$25,000.

It has been recommended that the target balance of the Operating Fund should be around \$100K.

Candace Kohl recommend that once all equity/encumbrance balances are settled through FY17 we transfer an amount from the Operating Fund to the Investment Fund that will keep the operating account balance at \$100,000.

The treasurer brought up two issues for discussion:

The Society needs guidelines as to how much money to spend each year, 4% (40K) spending to protect the base.

Need to set a limit on the Secretary’s travel expenses. This needs to be revisited at a later date.

Two recommendations:

- 1) Leave dues the same \$110 for regular members. Trevor Ireland suggested increasing dues for printed copies of MaPS. New issues online should be sent to members with Table of Contents. The recommendation is to raise subscription rates for print copies of MaPS \$10 for regular members, to \$130. And continue to raise dues 20\$ for each year. \$10 for students (\$65.) Developing countries and life members are excluded. After discussion, Caroline Smith motioned to accept the President’s recommendation of increasing dues for members with print subscription to MaPS. Cari Corrigan seconded and all voted in favor.
- 2) Once all balances are accounted for, the Treasurer recommends \$100K transferred from operating fund to the Endowment. Cari Corrigan motioned to approve the recommendation to transfer funds, Mike Weisberg seconded the motion and all voted in favor.

5.0 Audit Committee Report for FY 2016 (submitted by Beda Hoffman and Jutta Zipfel) Charge by Council (March 2007):

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. The President will appoint new members of the Audit Committee and select the Chair 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.

The main goal of the committee is to report to Council whether 1) the Treasurer accurately reported all Society expenditures and revenues in the annual report, and 2) whether the net profit or loss reported by the Treasurer for a given year is correct. The Treasurer oversees the *operations* accounts, and the Endowment Committee has jurisdiction over the *endowment* fund accounts. The Audit Committee must, therefore, assess whether transfers between these funds are accurately reflected in the Treasurer's report. The committee should then recommend to the Council whether or not to approve the Treasurer's Report. The committee also has a general mandate to make suggestions to the Council and the Treasurer as to how the Society handles its finances. The committee's mandate includes consideration of whether an external audit is warranted, in which case the committee would so recommend to Council.

Members of Audit Committee:

Beda Hofmann (Chair), Jutta Zipfel, Harold Connolly

Timeline:

Fiscal Year 2016 (FY16):

June 1, 2015 - May 31, 2016

Comment:

The committee does not include anyone trained in financial accounting standards, or a certified public accountant. Its report, therefore, cannot substitute for a professional external audit. The committee did not review Federal and State tax returns. The committee did not review accounts in the Endowment.

Findings

During FY16 Candace Kohl served as treasurer and the Committee received the following documents from Candace Kohl:

- Treasurer's report from August 2016
- PDFs of monthly portfolio reports from: 1) Merrill Lynch; 2) checking and savings account statements from Bank of America; 3) checking account, Bank of America; 4) savings account, Wells Fargo; 5) PayPal account.

With the provided materials, the Audit Committee finds agreement between the FY15 Treasurer's Report and the Meteoritical Society's financial records for FY15, as far as can be controlled with the available (mentioned) information.

- The Audit Committee finds the following minor errors in the Treasurer's Report for FY 2016:
 - 1) A missing amount under "Assets" (page 2): "At the end of May 2016 a total of \$was being held....";
 - 2) Heading "Operating Fund Account, FY 15" should read "Operating Fund Account, FY 16";
 - 3) In Table 2, the total portfolio value of the Investment Fund should read 1,045,889.39 (typo).

• Recommendations

The materials provided to the Audit Committee this year did not allow a thorough review of the Treasurers Report: Information on the Endowment Account was missing. Also, based on the available information, it was not possible to verify individual transactions. The overall format of the Treasurer's Report enabled a clear audit. Given the data reviewed The Society appears to be on a sound financial footing.

Council concluded that an external audit is desirable and Candace Kohl offered to talk to a financial person about an external audit report.

6.0 Meetings Reports

6.1 2017 Santa Fe update (Karen Ziegler)

Registration is currently 350, including 84 students and 34 registered guests. Buses were downsized on other trip with low attendance. Karen described the icebreaker event on Sunday evening. On Tuesday there is a student meet and greet. No Friday afternoon sessions.

Karen asked about waving registration fees for participants from low-income countries receiving travel awards. Uwe Reimold indicated it will be discussed during the EC report. Daryl Pitt may want to be a recurring donor for MetSoc meetings.

6.2 2018 Moscow update (Marina Ivanova and Natalia Bezaeva)

(110th Anniversary of the Tunguska phenomena and 5th Anniversary of the Chelyabinsk meteorite fall)

Dates of the meeting – July, 22 – July, 27.

Conference website is in development:

<http://metsocmeeting81.hol.es/> (it will be <http://metsoc81-moscow.ru>).

Transportation:

Moscow has 3 International Airports – Vnukovo, Domodedovo and Sheremetyevo. All airports have express-trains to downtown. Cost for the Standard ticket – 500 rub ~\$8. Taxi cost: 1500 – 2000 rub ~\$25-30 from airports. Uber is available. Metro cost - 60 rub ~ \$1. Ground transportation in Moscow is working very well (cost ~ \$1).

All participants will receive tickets for transportation inside Moscow.

The meeting is jointly organized by the V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry of Russian Academy of Sciences, V. I. Vernadsky Geological State Museum, the Ural Federal University and the Kazan Federal University.

Oral sessions will take place in conference halls of the Academy of Science Presidium building (“Golden Brain”); plenary sessions, invited lectures, including Barringer lecture and the Award ceremony will take place in the largest hall that seats 1000 participants. The facility will also house all poster sessions.

Conference registration begins at 4pm on Sunday, July 22, 2017, at the V. I. Vernadsky State Geological Museum in Moscow historical center, right across the Red Square and the Kremlin. At 5.30 pm that day a Welcome Party will be held in the Museum. On the afternoon of the Wednesday meeting day, several excursions will be offered that explore the Moscow (such as a city tour, boat trip along the Moscow-river or Red Square and Kremlin guided tour). The Conference Banquet will be held in the comfortable Korston Hotel banquet Hall at 6 pm.

A number of post (pre)-conference tours are being prepared: a 3-day trip to Saint-Petersburg including a visit of VSEGEI with a special exhibition dedicated to the Popigai impact structure; a 2-day tour to Yaroslavl including a visit to the public museum of Russian deep-drilling projects and a visit to the deep-core depository which stores kerns from the famous 5-km-deep drill core of the Puchezh-Katunki impact crater and the super-deep Kola borehole; a 4-day trip to Ekaterinburg to visit the Europe-Asia boundary, underground Museum at the gold mining with crocoite room, and the fall site of the Chelyabinsk meteorite; and a 3-day trip to the famous ancient city - Kazan with a tour to the Karla impact crater.

Rooms are reserved in multiple hotels, offering a range of price categories and distances from the “Golden Brain” building.

Organization of conference management.

In order to better manage the conference, the Vernadsky Institute created the ruble and USD accounts at SBERBANK to make deals with various Russian and international companies, as well as to receive sponsorship, and to sign any agreements. The work of the conference will be secured by a lawyer and an accountant. For our national tax inspectorate and in accordance with currency exchange regulation we should sign an agreement (or contract) about a loan from the Meteoritical Society. A draft of this agreement will be prepared and sent to the MetSoc later. In September we will already need to do prepayment to different organizations for their services (site, catering in Geological Museum on Sunday, conference halls, AV-service, our lower, accountant, to Riesebuero Welt company for its preliminary work).

Marina requested a \$40k loan from The Society.

It was discussed by council that this is similar to requests from some of our past meetings. Council was asked to vote on loan the \$40K loan to the organizers.

Candace Kohl motioned to approve the loan, Mike Zolensky seconded and council voted unanimously to approve the loan.

VISA information

Participants of the conference should go to the Russian Consulate in their countries and learn how easier and chipper to get Russian visa. Vernadsky Institute can provide a simple invitation to the conference for organization of the business trip. It is technically easier to use travel companies which organize the whole trip including tourist task visa (this kind of visa allows to take part in the conference and other events), booking hotels and others.

- 1) The Reisebuero WELT company provides the visa support (**please see the visa information here: <http://www.welt.ru/en/>**). We will recommend starting the visa process 2 months before the event. The foreign passport must to be valid for 6 months before the end of the conference data. If participants book Hotels through this company the company will give the tourist voucher for free.
- 2) For several European countries it is possible to get visa based on the simple invitation from Vernadsky Institute, but if a participant prefers to get visa based on the invitation and would like to take guests, the guests should have a tourist visa.
Finally, we recommend to everybody to apply for the tourist visa.

Marina reviewed the Local Organizing Committee (LOC) and Program Committee (PC) and possible sponsors for the meeting.

- **Budget**

Final price estimates are in US dollars. The exchange rates, **\$1 = 57 Rub.**

The registration fee currently varies **from \$572 (if 400 participants) to \$ 503 per person (if 600 participants).**

Table of projected registration fees.

| | Early bird | Regular | Late |
|-------------------------|------------|---------|------|
| Professional member | 572 | 622 | 672 |
| Professional non-member | 644 | 694 | 744 |
| Student member | 286 | 311 | 336 |
| Student non-member | 336 | 361 | 386 |
| Guest | 163 | 188 | 213 |

Preliminary calculations of the cost of the field trip and Excursion after the Meeting per person:

- 1) St. Petersburg ~ 350 \$ per person (for 3-4 days including transport, excursions, hotel, without meal)
- 2) Yaroslavl ~ 150 \$ per person (for 2 days including meal, transport, excursions and hotel)
- 3) Ekaterinburg--Chelyabinsk-Ilmeni – under development
- 4) Kazan-Karla impact crater – under development

6.3 2019 Sapporo update (Yoshi Yurimoto)

Yurimoto-san gave an update on the 2019 meeting. The Venue will be Conference Hall, near Hokaido University. There will be a welcome reception and Wednesday excursions. The Banquet will be Japanese food – buffet style with special arrangement for vegetarians

Mike Zolensky suggested to add organizers from the Glasgow meeting.

Yurimoto-san indicated the need for a loan of \$20 K, one year before conference.

6.4 2019 Glasgow Meeting Report (prepared by Lydia Hallis, presented by Caroline Smith)

Since the LPSC 2017 meeting report we have been:

- Working with Lyndsay Henderson at the SECC conference venue to secure a booking. Until we have deposit funds we cannot finalise the venue (see loan request below).
- Applying for sponsorship from various societies and companies (see potential sponsors section at end of this document).
- Details of conference excursions and pre-conference fieldtrips have been added to the end of this report.

Local Organising Committee

Chairs:

Lydia Hallis (University of Glasgow)
 Martin Lee (University of Glasgow)
 Caroline Smith (The Natural History Museum, London)

Members:

Darren Mark (Scottish Universities Environmental Research Centre)
 Paul Savage (University of St Andrews)

Programme Committee: Initial Suggestions

Conel Alexander (Carnegie Institution, Washington)
 Mahesh Anand (The Open University)
 Gretchen Benedix (Curtin University)
 Phil Bland (Curtin University)
 Mark Burchell (University of Kent)

Alex Deutsch (University of Münster)
Monica Grady (The Open University)
Sanjeev Gupta (Imperial College, London)
Rhian Jones (Manchester University)
Christian Koeberl (University of Vienna)
Sasha Krot (University of Hawai'i at Manoa)
Zita Martins (Imperial College, London)
Francis McCubbin (University of New Mexico, Albuquerque)
Laurent Remusat (Muséum National d'Histoire Naturelle, Paris)
Sara Russell (Natural History Museum, London)
Ed Scott (University of Hawai'i at Manoa)
Andrew Steele (Carnegie Institution, Washington)
Allan Treiman (Lunar and Planetary Institute, Houston)
Tetsuya Yokoyama (Tokyo Institute of Technology)
Paul Warren (University of California, Los Angeles)
Mike Zolensky (NASA Johnson Space Center, Houston)

Meeting dates

- Sunday 9th – Friday 14th August
- No known conflicts with other large conferences or religious holidays.
- The Goldschmidt 2020 dates have not yet been released – last year they were much earlier (26th June – 1st July), in 2017 and 2018 they are mid-August, and in 2019 they are a week later (18-23rd August).
- Mid-august dates would coincide with the Edinburgh festival

Venues

- The Scottish Exhibition and Conference Centre (SECC) is provisionally booked.
- An up-to-date SECC budget totaling £63,592 (\$79,433) was presented, including VAT. This is not inclusive of catering costs for coffee breaks and poster sessions.
- The Kelvingrove Museum is provisionally booked for Wednesday the 12th of August, from 6:30 pm until 12 midnight. The venue hire is £3720 (\$4647) including VAT, with catering/entertainment costs additional to this.
- The Sunday evening reception is to be held at the Glasgow City Chambers, the costs to be paid by the city council.

Loan request

In order to finalize the SECC venue booking a 5 % deposit is required (£3180).

Therefore, the LOC requests a loan of £3180 to cement the SECC booking for the agreed dates.

METSOC tartan

Prof. Charles Cockell has created a Martian tartan (<http://www.scotsman.com/news/education/mars-now-has-its-own-tartan-thanks-to-edinburgh-scientist-1-4292872>), which he is happy for us to adopt of MetSoc 2020. The company that created the tartan can weave scarves in batches of 180, which could be made available for attendees to purchase. The cost for 180 scarves is ~£2500, amounting to ~£14 per scarf (if all are sold). The tartan forms the background of our current logo, and we aim to incorporate it into the free registration bag.

Potential sponsors

Applications made

1. £3000 - SAGES (Scottish Alliance for Geoscience, Environment and Society)
International Conference Support Scheme (ICSS) has the capacity to provide sponsorship

for International Conferences in return for an agreed package of SAGES branding and promotion. We have applied for the maximum allowed funding, and should hear back from SAGES within the next few months.

2. The Scottish Environmental Research Centre (SUERC). Negotiations are underway as to the level of SUERC sponsorship.

The following companies and institutes will be contacted in the future, with the aim of securing sponsorship, both monetary and product-based.

Instrumental

Thermo Fisher scientific

Cameca: cameca.info@ametek.com

Oxford Instruments: +44 (0)1865 393200, online enquires form

Bruker: +44 24 7685 5200, sales.uk@bruker.com

Renishaw: Shaun.Buckley@Renishaw.com

FEI: support.uk@fei.com, +44 (0) 207 949 0374

JEOL: uk.sales@jeoluk.com, (0) 1707 37 71 17

Clyde Space: +44 (0) 141 946 4440, online email form

Orbital Access (Prestwick Spaceport): info@orbital-access.com 01292 429 111

Organizations

The British Geological Survey (BGS)

The Royal Society

The Royal Society of Edinburgh

The Royal Astronomical Society

The Leverhulme Trust

The Carnegie Trust

The UK Space Agency

STFC

The Mineralogical Society of UK and Ireland

Scottish Companies

Tunnocks: sales@tunnock.co.uk (Fergus Loudon)

Walkers shortbread: (0) 1340 871 555, email via website

Athole Tablet: atholetablet@btinternet.com 01250 875333

Edinburgh woollen mill: Head Office Tel 01387 380 611

Iron Bru: Community & Charity Enquiries online email

Buckfast wine

Scottish Institutes

The University of Glasgow

Strathclyde University

University of St Andrews

University of Edinburgh

The Hunterian Museum (discount in UoG gift shop?)

National Museums Scotland

7. Potential Excursions

Below is a list of potential excursions, none of which have yet been finalized.

1. Glasgow Cathedral and Necropolis

2. Kelvingrove Art Gallery and Museum

3. The Tall Ship and Transport Museum -£17.50 day entry to both

5. Glengoyne whisky distillery (40 minutes drive north of Glasgow) - £38 inc. transport

6. Island Explorer Loch Lomond boat tour, 40 min west of Glasgow - £24.52 inc. transport

Because of the need to secure booking of the SECC, council agreed to vote on the dates of the meeting and the request for a loan of \$5000. Cari Corrigan motioned to approve the August 9 -14 dates for the meeting, Candace Kohl seconded and all voted in favor of accepting the dates.

Candace Kohl motioned to loan the LOC \$5000, Christine Floss seconded the motion and all voted in favor.

6.5 2021 Chicago invitation (Phillip Heck)

Phillip Heck presented a proposal to hold the 2021 Annual Meeting in Chicago.

Chicago has several attractions that make it an excellent choice for the 2021 meeting:

- University of Chicago and the Field Museum have a history of meteorite research
- Field Museum has a hall available for the opening reception and or banquet
- Research groups at the University Chicago will participate as part of the LOC
- Aon Center has views of the city and could serve as another possible location for a banquet/reception.
- Possible Venues include the Swiss Hotel or Hilton
- The Yerkes Observatory, established in 1897, has a long history of astronomy.

Council voted later in the meeting to accept the invitation for a meeting in Chicago.

6.6 Berlin Final Report

The 79th Annual Meeting of The Meteoritical Society was held in Berlin (Germany) from 7 to 12 August 2016. The conference took place in the Henry-Ford-Bau of Freie Universität Berlin. With 539 registered, this Annual Meeting was amongst the largest ever. Also, the meeting had a significant (136) student participation. In total, 544 abstracts were accepted for 289 oral and 255 poster presentations.

The Annual Barringer Invitational Lecture was presented by Professor Mark McCaughrean of the European Space Agency (Nardwijk, The Netherlands) in the evening of 8 August in the Henry-Ford-Bau auditorium. His fabulously illustrated lecture entitled "*Rosetta: To Catch a Comet!*" was very well received by an audience of some 400.

The meeting was generously supported by the Barringer Crater Company, Museum für Naturkunde Berlin - Leibniz Institute for Evolution and Biodiversity Science, Humboldt-Universität zu Berlin, Freie Universität Berlin, NASA TWSC Program, Lunar and Planetary Institute, Geo.X Alliance for Geoscience in Berlin-Potsdam, International Meteorite Collectors Association, Deutsche Forschungsgemeinschaft (DFG), Planetary Studies Foundation, Meteorite Times Magazine, Darryl Pitt/Macovich Collection, Elsevier, AMETEK, Bruker Nano, JEOL, Thermo Fisher Scientific, DFG - Collaborative Research Centre TRR170 Late Accretion Onto Terrestrial Planets, and The Meteoritical Society.

Sara Russell addressed the issue of using the Hinari list as standard for low-income countries. All awards went to Morocco Algeria. Abstract from other countries could not be funded because not on the Hinari list.

Recommendations on (1) what to use for deciding who to fund and (2) updating the list of countries. Recommendation from Trevor is to be flexible. Non-european and non-us countries based on the situation for support. Uwe suggested using the amount from the

TIM to \$13-24K. This will be discussed by the EC. Council will receive a proposal from the EC on this and the goals of this motion.

Cari Corrigan - Council might have a recommendation on helping few people for full travel. Should council prescribe or should it be left to the LOC.

7.0 Awards

7.1 Leonard Medal

The Leonard Medal Committee (Sara Russell, Richard Binzel, Phil Bland, Roger Hewins and Maria Schonbachler) presented to Council their recommendations for the Leonard Medal and Nier Prize this year: **Dr Alexander (Sasha) Krot** for the Leonard Medal and **Dr Lydia Hallis** for the Nier Prize.

Leonard Medal

The Committee had 10 valid nominations for the Leonard Medal this year. The Committee members prepared summary advocacy statements for each candidate, then followed this with a vote of the top five ranked candidates. The outcome of this vote was that the award be given to Sasha Krot this year. This will allow him to receive the prize in his hometown of Moscow in 2018.

Sasha Krot's nomination was received in 2013 but was put "on hold" for the time he was serving on Council.

Sasha Krot has a remarkable career in meteoritics and is exceptionally productive. He has made major contributions to our understanding of aqueous alteration in chondrites, the formation and chronology of CAIs and chondrules, and the formation of CH and CB chondrules by impact processes. His nominees particularly singled out his achievements in understanding early solar system oxygen isotopes. He showed that there was a ¹⁶O-enriched gas reservoir tapped by CAIs (now known to be the Sun) and proposed that presolar dust was ¹⁶O-poor, thus reversing the prevailing view of the time.

He is among the most influential meteorite petrographers of his generation. He makes pertinent petrographic observations in order to test important astrophysical theories and many of his ideas have completely overturned current thinking in meteoritics.

The committee recommended that The Meteoritical Society awards the Leonard Medal 2018 to Sasha Krot in recognition of his fundamental contributions to understanding the role oxygen isotopes in early solar system processes and aqueous alteration processes on asteroids.

Council voted and approved the Committee's recommendation.

Nier Prize

The Committee had 12 valid nominations for the Nier Prize this year. They prepared summary advocacy statements for each nominee, followed by a ranked vote. It was clear from this initial vote that two of the higher-ranked candidates were both people in conflict with the Chair. The Chair consulted the Meteoritical Society President and officers on this issue and as a result stepped down from further deliberations for the prize. Richard Binzel stepped in to Chair the committee and Monica Grady was recruited as an *ad hoc* committee member to help decide the Nier Prize awardee.

The committee's recommendation is that the prize is awarded to Lydia Hallis.

Dr Lydia Hallis is a petrologist and isotope cosmochemist who studies isotopes (especially oxygen and hydrogen) in Earth, Moon and Mars. She has published 15 papers, 10 of which have her as first author (one is in *Science*). Her scientific interests to date include the evolution of water on Mars, the formation of lunar basalts and the origin of terrestrial water. In her *Science* paper she identified a source of primordial water in the Earth's mantle. She combines excellent petrographic skills with technical ability on the ion microprobe, in addition to a far-reaching vision of how to address big questions in planetary formation and evolution. Dr Hallis has also made important contributions in mentoring early career scientists and led the successful bid to host the 2020 Meteoritical Society Meeting in Glasgow.

The Committee recommended to Council that the 2018 Nier Prize be awarded to Lydia Hallis for her contributions to the understanding of the origin of volatiles in planets.

Council voted and approved the Committee's recommendation.

Note on Gender Balance:

In 2016 the nominations for both the Leonard Medal and Nier Prize included zero female nominees. The committee was extremely concerned about this lack of gender balance, and as a result two programmes were set up to combat this issue, led by Phil Bland (2016 Leonard Medal Committee Chair) and Mini Wadhwa (Meteoritical Society Vice-President). As a result of these interventions, we received many new nominations for females for the Nier Prize (so that 9/12 active nominations were female) but a less satisfactory outcome for the Leonard Medal (2/10 nominations were female). Potentially Council may want to take another look at this issue.

7.2 Barringer Award

The Barringer Award Committee members are Michael Poelchau, Alex Deutsch (chair), Akiko Nakamura and John G. Spray.

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. The senior Barringer was the first to seriously propose an impact origin for the crater that now bears his name. For nearly two decades he defended this theory against the vast majority of scientific opinion. The junior Barringer was the first to identify the Odessa crater, the second known impact site on Earth. For the Barringer Award 2017, we have five nominations, The usual procedure of ranking the five candidates was followed: The highest ranked person is awarded 5 points, the lowest ranked candidate 1 point. The committee's decision was award the 2018 Barringer medal to Thomas Kenkmann whose work bridges the gap" between modern impact research, i.e., experiments modelling, and geoscientific investigation of impact structures.

Thomas Kenkmann has made fundamental contributions to our understanding of the structure, mechanics and tectonics of rock displacement associated with the formation and evolution of hypervelocity impact craters.

Council voted and approved the Committee's recommendation.

8.0 Membership Committee Report and Service Award (Erin Walton)

The committee: Membership Committee is Erin Walton, Chair. Gretchen Benedix, Tomas Kohout, Ludovic Ferrière, Matthias Meier, Devin Schrader, Rhiannon Mayne, members. Erin

Walton reported that the committee is pleased to welcome three new members – Gretchen Benedix, Matthias Meier and Devin Shrader. She thanks out-going members Katie Dyl and Shoichi Itoh for their past service. This bring the total members of our Committee to seven.

The membership: Erin reported that this year we have added two new countries to our membership – Ukraine and Taiwan – although we are still at a total of 48 countries in our membership because the members gained from the Republic of Azerbaijan and the Republic of Ghana last year (2016) did not renew. The statistics show that we still have a lot to do to gain members in many countries including populous countries like China (12 members in 2017; 7 members in 2016) and India (7 members 2017; 4 members in 2016), and also to improve our student membership (see action items at the end of this report).

As of June, 2017, we have 993 members, which is slightly lower than the number from this time last year (1004).

Renewals: The last automated electronic message to lapsed MetSoc members reminding them of the late fee deadline was sent out on March 31st. This year, the Committee received the names and contact information of the remaining members un-renewed for 2016. Personal email requests encouraging membership renewal were sent to 126 people. The practice of sending personal emails is not too time consuming and does seem to pay off.

Service Award: The Committee received two new nomination packages to consider for this years' Service Award, which gave a total of 4 nominations to consider. The committee voted and has a recommendation for the next recipient. Members were asked to rank the candidates from highest (=4) to lowest (=1). The vote was unanimous for Linda Martel as the recommended successful candidate for this years' Service Award.

The majority of her contribution to the Society's goals is accomplished through the *Planetary Science Research Discoveries* online magazine, which she co-founded and contributes to the writing, producing, maintenance and improvement of this resource.

Other MemCom Initiatives: In the past, it was brought to the Committee's attention that when a web browser is used to search "meteorites", the Meteoritical Society does not appear until the **9th page**, when it should really be at the top of the list. The idea has been put forth that perhaps this could be improved by including information on the website about meteorites which would increase the number of "hits" received when someone searches for meteorite information online. If you click on "about meteorites", all you see is a gallery with 29 images. That is all the website has to say. At the moment, the MetSoc website does not really do as much as it could to engage the broader public. For example, if "about meteorites"? If you look at exoplanet astronomers as an example, they all have fancy websites with lists of planets including artist conceptions, blogs, twitter content etc., explaining what they do and why it's important / interesting. The Meteoritical Society does not have anything comparable on meteorites.

Action Item – discuss at the meeting in Santa Fe the feasibility of the Committee members to provide a write-up to the webmaster on meteorites that could accompany the image gallery on the website.

In Berlin last year the Committee discussed the possibility of hosting a student reception or some sort of student-engaged function at The Society's Annual Meeting. This may help to increase student membership, which has been addressed as a task for the Membership Committee. The logistics of this should be discussed further with Council. The problem of student membership fees has also been brought up. Most students have to pay out-of-pocket and even though it is not a

lot of money (\$40–55 USD), it can be cost-prohibitive on a student-budget. A way to improve this might be to roll the cost of Membership into the Meteoritical Society's conference registration fee so that the student's supervisor might use their grants to cover this cost.

The Membership Committee will be meeting this year in Santa Fe and will discuss the above action items in greater details at that time, following any input from Council.

9.0 Endowment Committee Report

9.1 Report

As the Endowment Committee did not have an opportunity to discuss the then report at the Council Meeting in Houston in March, the then report is included herewith:

Report of the Endowment Committee for the MetSoc Council Meeting at LPSC 2017

A short report on the performance of the Metsoc's Endowment Fund was received from Michael Radcliffe, Merrill Lynch:

The Meteoritical Society Endowment Fund returned 5.38% in 2016. The ending value on 1/31/17 was \$1,110,074.

The original value of the plan was \$589,370 on 3/4/2010. Since that time there have been additional contributions (net of withdrawals) of \$328,934. There has been appreciation of \$262,729, which is a time-weighted rate of return of 35.42% through 1/31/2017.

At the Endowment Committee meeting in August in Berlin, it was decided to follow up the Klaus Keil Lecture Tour of 2015 with a series of Impact Cratering short courses in Brasil, to be given by W.U. Reimold. The first such course with 6 participants was presented as a 4-day Field School at Araguainha impact structure, for students from University of Brasilia (UnB). The small number of participants must be blamed on the timing – UnB scheduled it for the week before the Christmas Holidays in December. This course does not cause any cost to the MetSoc, as it was covered by UnB. Two more courses are scheduled for 10-15 March at the University of Bahia in Salvador and from 16-20 April at Tucuman University in Argentina.

Regrettably it must be reported that committee member Paul Warren decided to resign from the committee. We would like to thank him for his years of service to the committee and sterling input throughout this time. Paul nevertheless emphasized that he would be happy to assist the MetSoc also in future with advertising of annual donations at Annual Meetings. The vacant seat on the committee was offered to Rhian Jones, who immediately agreed. We are looking forward to have Rhian back in the group after her ex officio participation as Society Treasurer in the past. Several applications for support from the fund were received in recent months, and recommendations made to Council:

- Hasnaa Chennaoui Aoudjehane: \$6000 for support of the 3M conference, especially a session on meteorites, for student support and other expenses. The EC recommended to assist with ca \$2,500 dedicated solely for student travel support.
- Sean Wright applied for substantial support for general expenses in conjunction of preparation of a pre-MetSoc meeting workshop. This proposal was rejected out of hand with the advice that the Fund specifically supports student and young professional attendance.
- Nick Gessler re-issued his request of \$6000 for "Meteorites China 2017", a grant that had been reserved for the 2016 plan but then withdrawn again. EC recommended to make provision of this amount for dedicated student attendance.
- Katarina Miljkovic of Curtin University requested support for travel grants for students/young professionals from non-Australian countries to attend the June 2017

workshop on Shock metamorphism at Curtin University. The EC recommended to grant of \$5000 for this dedicated purpose.

New information:

Since March, the following activities can be reported now:

In Houston, Council approved the committee's recommendation of \$3000 to Melissa Morris for student travel to attend a conference on Chondrules as Astrophysical Objects.

Council further approved \$2100 to Martin Lee for early career planetary scientists to attend the 1st British Planetary Science Congress.

And Council approved \$10K to Karen Ziegler for the Santa Fe Annual Meeting (\$4K from the TIM Fund, and \$6K for student travel from the General Endowment).

Uwe Reimold has tabled a report on his impact cratering short courses held in Brazil, as well as budgetary information. The report is attached with this committee report. Furthermore, a document from Hasnaa Chennaoui Aoudjehane is attached that informs about how the student support for the 3MA10 Conference in Morocco was to be allocated.

The committee will meet in Santa Fe on 24 July 2017.

9.2 Report on South America Outreach

Uwe reported on the Impact cratering courses and lectures, supported by The Meteoritical Society.

In 2016 The Meteoritical Socoeity agreed to sponsor an Impact Cratering Outreach Program proposed for Brazil and Argentina.

From 16 to 21 December 2016 a short course was presented to students of the Institute of Geosciences at the University of Brasilia. The course was held in the form of a series of introductory lectures and subsequent field trip to view and discuss impact lithologies and processes at the Araguainha Dome impact structure (Mato Grosso State). Students' costs were carried by the Institute of Geoscience at UnB.

From 20 to 24 May 2017 Uwe was accompanied Prof. N. Hauser and her 1st year geophysics class of 23 students on a 5-day field trip to the Araguainha impact structure.

On 31 May 2017 Uwe presented an invited evening lecture "Impact Cratering: Fundamental Process in the Solar System" at the Department of Geoscience of the Federal University of Goiania (Goias State) on the occasion of their First Week of Geology.

From 10 to 15 March 2017 Uwe presented a short course "Introduction to Impact Cratering" at the University of Bahia in Salvador (NE Brazil). Thirty-four hours of lectures were presented, with further 6 hours added by Prof. Marcos Vasconcelos. Twelve participants had enrolled, of which 10 appeared at the beginning of the course. Eight of these were from the department in Salvador, and two 3rd year students had travelled across the country from Rio de Janeiro. The other postgraduates had to take part in other courses as well, so that attendance at lectures and in the microscopy practical fluctuated. Six students at the end wrote the exam, of which all six passed. Finally, a colloquium talk "Vredefort – Mega-Impact Structure in South Africa" was presented to the department – unfortunately scheduled during teaching time, and thus with limited attendance.

In summary, the course went well but larger attendance would have been desirable.

Costs to the Society are only an amount of € 243.12 (USD 273.73) for the air travel between Brasilia and Salvador (return).

The lecturing trip to Tucuman (Argentina) involved two stages of travel. Departure from Brasilia on 8 April 2017, stayover at Sao Paulo, flight to Buenos Aires on 9 April 2017, and then continuation that same day to Salta (ARG). On 16 April Prof. N. Hauser and Uwe left Salta by rental car for Tucuman (arrival that evening). Lectures started the following morning and continued until 20 April evening. Course content was similar to that given in Salvador. Lectures about meteorites and the South American/Brazilian impact records were given by Prof. Hauser. The course had been widely advertised to a number of Argentinian and Chilean universities, with the results that besides 5 participants from the department in Tucuman, five other students from the University of Salta travelled to Tucuman to participate. Furthermore, two 3rd year students from the universities in Antofagasta and Valdivia, Chile, were expected.

Costs to the Society for this short course are the airfare in the amount of (€ 1554,60 : 2) €777,30 equivalent to USD 875.07, rental car charge for 7 days (Salta-Tucuman-Salta) at ARG \$ (Pesos) 18438.20, and 50% of the hotel cost of ARG \$ 6748.00 = \$ 3374 at Tucuman (combined equivalent to USD 1362.76). Total costs incurred during this outreach program were USD 2511,56.

There is further scope for lectures and short courses in Argentina and Uwe has already been asked to make presentations or hold a short course in Salta. It may be possible later in 2018 to arrange time for a short course.

Discussions are underway with all interested parties in Brazil to propose a dedicated Impact Cratering Study Group for recognition by the Brazilian national research agency, CNPq. This scheme may facilitate future research funding for impact cratering projects.

Uwe expressed gratitude to The Meteoritical Society for the opportunity to present this outreach program in Brazil and Argentina.

10.0 Elements (Cari Corrigan)

- Cari reported that *Elements* is generally status quo.
- Upcoming issue topics relevant to Met Soc include:
 - Comets - Editors Zolensky and Grady - June 2018
 - Still waiting to hear on a Mercury issue
- Society News – all going well

11.0 McKay and Wiley Awards Committee Report (Tasha Dunn)

Tasha pointed out a problem on the abstract submission form to declare their interest in the award. 33 presentations – 21 judges. Same ratio as in the past. No boxes for indicating to be a judge. Each paper seen by 5 different judges, one from an area outside their own.

A total of 33 oral presentations will be considered for the McKay and Wiley awards at the Meteoritical Society Meeting in Santa Fe. Oral presentations will be judged in 17 of the 22 science sessions, indicating that students from a wide range of scientific backgrounds are participating. The student talk that is judged to be of the highest quality will receive the McKay award (\$500). Wiley will also offer four awards (\$500) that will go to the presentations ranked 2-5.

In previous years, students were able to indicate their interest in applying for the McKay and Wiley awards on the Travel Grant Application. However, last year we realized that students who didn't apply for travel grants were not being considered for the awards (as they had no way to indicate their interest in applying). So, this year there was no option to apply for awards on the travel grant form. Instead, all 50 students who were assigned talks were contacted via email to

confirm their participation. Of those, 33 replied and provided the requested information (i.e., confirmation of status as a MetSoc member and a student). I would recommend that next year the option to apply for the McKay/Wiley awards be included on the abstract submission form. This would streamline the process for the committee chair and the staff at LPI who assist with meeting logistics.

This year, the option for MetSoc members to express their interest in judging was mistakenly left off the abstract submission form. So, instead I contacted people who had judged in previous years and solicited volunteers from that list. I also solicited former award winners who have since earned their degrees. This worked out well, and **we have 21 judges this year**, including myself. This is two fewer judges than we had at the Berlin meeting, but the number of student talks is also lower this year (33 compared to 38). So, the workload for judges remains about the same. I would still encourage the society to give members the opportunity to volunteer to judge awards when they submit their abstracts. This gives the committee chair a larger pool of volunteers to solicit from.

Each judge will be responsible for judging 7-8 talks, most of which in sessions that they planned to attend. This way judges do not have to leave a session they are interested in to judge a talk in another session. However, most judges will also judge at least one talk that is outside of the area of expertise, to ensure that each talk appeals to a wide audience.

As in previous years, **talks will be judged on overall excellence in presentation, visuals, science, originality, and ability to answer questions**. Each category is judged on a scale of 1 – 10, and judges are also asked to provide comments about each talk. These comments have proven useful in the past when breaking ties. **Each talk will be seen by five judges**. Scores will be sent to the Chair by mid-August, and the two or three highest ranked talks will be presented to the judges for discussion. **The judges will present two nominations (a first and second choice) for the McKay award to the Council by October 1st**. We will also nominate three additional talks for the Wiley awards with the additional recommendation that the talk not chosen for the McKay award receive the fourth Wiley award.

12.0 Nomenclature Committee Report (prepared by Laurence Garvie, presented by Jeff Grossman)

Overview of Committee for Meteorite Nomenclature activities since March 2017.

NomCom Chair: Laurence Garvie. **MetBull Editor and Deputy Editor:** Audrey Bouvier serves as Editor and Jérôme Gattacceca as Deputy Editor. **Meteoritical Bulletin Database Editor:** Jeff Grossman. **Dense Collection Area (DCA) Subcommittee:** Knut Metzler (chair), Jeff Grossman, Jérôme Gattacceca, and Hasnaa Chennaoui-Aoudjehane. **NomCom Members Rotated Off:** none.

NomCom Members renewed for a second term: Emma Bullock, Hasnaa Chennaoui-Aoudjehane, and Vinciane Debaille. **NomCom Members first term:** Mutsumi Komatsu, Francis McCubbin.

Three ex-officio NomCom members: Audrey Bouvier (MetBull Editor) – 2nd term, Jeff Grossman (Database Editor) – 3rd term, 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 GoogleEarth), and keeps a list of all Collections and Repositories. The MBDB was created and is managed, programmed, updated and administered by Jeff Grossman (Database Editor). Secondly, the database serves as a meteorite submission and voting system for the NomCom.

Meteorites: The MBDB continues to grow significantly with over 1487 meteorites added over the last six months for a total of 56,596 classified meteorites (as of 14 July 2017). Notable entries include seven confirmed falls, one of which (Kalugalatenna) was changed from find to fall.

Dense Collection Areas: Since the March 2017 report to Council, 14 new DCAs have been approved, two of which are on Mars. The martian DCAs are Aeolis Mons and Aeolis Palus. These DCAs are warranted given the numbers of meteorites observed by the Curiosity Mars rover. The DCA names derive from the IAU-defined geomorphological units. Currently the Aeolis Mons DCA contains two meteorites, and Aeolis Palus three. Other approved DCA and country of origin are as follows: **Chile** – Coya Sur, Calate; **China** – Yu Wei Liang; **Egypt** – Birkat Aghurmi; **Iran** – Rafsanjan, Lut-e-Zangi Ahmad; **Libya** – Gheriat, Maghidet; **Mauritania** – Tichit; **Saudi Arabia** – Ad-Dammam; and, **Western Sahara/Morocco** – Tichiya, As Saquia Al Hamra, and Talhat Lihoudi.

Type Specimen Repositories: Since the LPSC NomCom report, the committee voted on and approved one new type specimen repository: V.S. Sobolev Institute of Geology and Mineralogy, Russia (SIGM). The NomCom currently recognizes 81 institutions as repositories for meteorite type specimens. According to §7.1f of the *Guidelines for Meteorite Nomenclature*, type specimens of all new meteorites “must be deposited in institutions that have well-curated meteorite collections and long-standing commitments to such curation.”

Meteoritical Bulletin: MetBull 103 is in press, 104 should be in press soon, and 105 is prepared and will soon be submitted to MAPS. It is currently unclear who will be hosting the full reports and supplements of the MetBull - Wiley or the LPI Server.

New Editor and Deputy Editor search: The current Editor, Audrey Bouvier, will be finishing her term at the end of December 2017. She would like to have a progressive hand-off of duties to a new Editor starting in September 2017. An ad hoc committee has been formed to identify a new editor and deputy editor. This committee consists of Trevor Ireland, Michael Weisberg, Meenakshi Wadhwa, Jeff Grossman, and Laurence Garvie. As of 17 July, 2017, Jérôme Gattacceca’s name has been put forward as Editor, and Devin Schrader as Deputy Editor. Jérôme Gattacceca Deputy Editor, and is thus experienced with many of the editorial duties.

13. NASA report

The NASA grant for student travel support to metsoc meetings is now a three-year grant instead of one year. The next proposal needs to be submitted to NASA in 2020.

14.0 Meteoritics and Planetary Science

14.1 Editor’s Report (Tim Jull)

Timothy Jull summarized the status of The Society’s journal, Meteoritics and Planetary Science.

1. Paper submission summary for the last year.

The journal submission rates continue to be good. In the last year, 240 new papers were received, of which some are resubmissions, as well as 260 different revisions of other papers in process. During the 2-year period from Jan 2015 to 2017, the “accept” ratio was 77.8% (309 out of 387 papers). The acceptance ratio has remained approximately constant for several years.

2. The 2-yr impact factor is 2.391 for 2016.

We are discussing the reasons for this apparent decline with the publisher, although it appears to be due to the papers appearing in the 2-year time “window”. The 2-year value for the past several

years were 2015: 2.819; 2014: 3.104; 2013: 2.827; 2012: 2.80; 2011: 2.719, 2010: 2.624. The more stable 5-year index is 2.587.

3. Online journal.

All back issues of the journal are available online at the Wiley website. Members can access this through their member identification, if they do not have full university library access. The meteoricalsociety.org website now offers access to MAPS through a direct link – the user needs their email and password (which is their membership number).

4. ORCID identification of authors.

All first authors of papers should now 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. This has been running since last year – no complaints.

5. Open Access

Open Access continues to be an expanding question. Some authors are paying open-access fees. There are some reports of authors being charged both for page charges and open-access fees, but this has been corrected by the publisher. Note that open-access fees do not include “print color” fees. There are no color fees for a paper published in color online and B&W in print.

6. Production and Typesetting of Papers.

There are no production delays in the production of papers to report. Recent issues have appeared on time.

7. Electronic Supplements and Meteoritical Bulletin.

This year is the 6th year for the electronic-only abstracts. There are 408 abstracts for Santa Fe. This compares to Berlin (549), Berkeley (358), Casablanca (454), Edmonton (394) and Cairns (360). Two editions of the Meteoritical Bulletin (101 and 102) have been published in print as an announcement page and 384 pages of electronic supplement. Met. Bull 104 has been received and is in process.

8. Payment for Abstracts

Abstract payments are made through the Mineralogical Society of America, although there is currently no way to enforce payments.

9. Payment of page charges for Medalists.

In the past, all page charges for Leonard and Barringer medalists were waived. After Wiley became the publisher, Fiona Murphy continued the policy of waiving color charges for medalists. It was also the case that only a few medalists actually wrote up their papers (the last one was in 2013, before 2016) and there were no page-charge issues. This year, two medalists decided to write lengthy tomes on their work. Fiona Sarne has graciously agreed to continue the color-fee waiver. In this case, both medalists agreed to pay the excess page charges.

Tim Jull suggested asking the Publications Committee to come up with a policy for page-charge waivers for the Leonard and Barringer medal papers.

10. Electronic publication of Meteoritics and Planetary Science

At the current time, there are only 5 remaining print subscriptions for libraries and 6 “traditional” subscriptions (according to the Wiley report) – all other subscriptions are online. However, 53% of members (about 500 persons) still get the print version of MaPS. At the last Council meeting,

it was agreed to defer any future discussion of eliminating print copies entirely – a poll of the membership was in the March minutes.

11. Budget.

The total budget request for 2018 was \$129,990 and agreed at the Houston meeting.

14.3 Wiley report (Fiona Sarne)

Fiona discussed a slight decrease in the Impact factor (2.819 to 2.391) for the journal.

The journal has a wide geographic distribution but mostly US and Germany.

Web traffic for the journal shows steady performance

Institutional subscriptions are healthy with a 99% renewal rate.

Concerning the increase in cost for institutional subscription, Fiona responded that the rising cost for institutional subscriptions is market driven. It is an industry standard for all journals.

Cari Corrigan asked about a time frame for moving the journal to online only. Fiona indicated that there is no time frame for this. It will be based on the society's decision. Currently 400-500 members still want hard copy.

Tim Jull added that, based on the recent poll, 40 – 50 % of the membership still want hard copies.

Mike Weisberg asked about alerts to electronic subscribers for new issues. Tim Jull said the service is available but members need to actively sign up. Also, issues appear online 2 months earlier than hard copy.

15.1 GCA Report

In the absence of Marc Norman, council reviewed statistics from the journal and there were no further questions for Marc.

15.2 Joint Publications Committee

No new additions to the pool of Associate Editors.

The only new business reported was a recent discussion about whether to adopt a Best Paper Award for GCA. This was discussed by the GS leadership, Marc Norman and Liz Canuel by e-mail and all agreed that there was merit in recognizing the work of our colleagues published in GCA in this way. However, they were unable to come to any conclusion about how to define "best". There was agreement that the award would need to be administered by the sponsoring Societies. Thus, they request feedback from The Society about what they think about a Best Paper Award for GCA, how best to define the criteria for "best", and how/whether they would be willing to participate in the administration of the award.

Council asked to see a better-defined proposal with a recommendation from the JPC how the award will be distributed. Council is supportive but needs a recommendation.

16. Africa Initiative for Planetary and Space Sciences AfrIPS (Hasnaa Chennaoui)

Hasnaa presented a report on the AfrIPS.

26 researchers involved including astronomers, astrophysicists,

Motivation – bring meteoritics to space science developments to Africa

Potential future activities include meteorite and impact crater research, conferences, workshops and outreach programs. More than 50% of meteorites submitted to NomCom are from this region. Currently there is a low rate of planetary science publications from Africa.

Trevor Ireland and Mike Weisberg presented Hasnaa with a written letter from The Society in support of this Initiative.

17. New Business

The next Council meeting will be in October in order to test the viability of a web council meeting.

18. Adjournment

At 5:15 Mike Zolensky motioned to adjourn the meeting, Mike Weisberg seconded and all voted in favor of adjournment.