2022 Summer Council Meeting Minutes
4 August, 2022 17:15-18:15 PDT
Oregon Convention Center, Portland, OR

Heather Lowers (President 2020-2022)
Patrick Camus (President-Elect 2021)
Owen Neill (Secretary 2022-2023)
Dave Tomlin (Treasurer 2021-2022)
Michelle Thompson (Director 2020-2022)
William Bowman (Director 2020-2022)
Angela Halfpenny (Director 2021-2023)
Josh Taillon (Director 2021-2023)
Assel Aitkaliyeva (Director 2022-2024)
Thomas Lam (Director 2022-2024)
Steve Seddio (Commercial Director 2021-2023)
Clarissa Wisner (ARes 2022-2025)
John Fournelle (Archivist 2010-2023)
Brad De Gregorio (Awards 2020-2023)
Anette von der Handt (Computer Activities 2020-2023)
Mary Scott (Education 2022-2024)
Abigail Lindstrom (Goldstein Scholar Coordinator)
Tom Kelly (Fellows 2017-2020)
Peter McSwiggen (Finance 2021-2024)
Emma Bullock (Membership 2020-2022)
Andrew Herzing (IUMAS Representative)
Dan Ruscitto (Social Media 2018-2021)
Vin Smentkowski (Strategic Planning 2018-2022)
Yoosuf Picard (Topical Conferences 2020-2023)
Donovan Leonard (Fellows Chair, M&M Editorial Board)

Council/Directors Present:
In person: Will Bowman, Emma Bullock, Pat Camus, Brad de Gregorio, Angela Halfpenny, Anette von der Handt, Thomas Lam, Abby Lindstrom, Heather Lowers, Peter McSwiggen, Owen Neill, Steve Seddio, Vin Smentkowski, Josh Taillon, Michelle Thompson, Dave Tomlin.

On Zoom: John Fournelle.

Quorum reached at 17:22 PDT.
Agenda:

- Call to Order: 17:22

- Welcome/Approval of Agenda (Heather Lowers)
  o Acknowledgement of new committee chairs:
    • Mary Scott – Education.
    • Donovan Leonard – Fellows.
    • Clarissa Wisner – AReS.
  o Abby Lindstrom moves to approve the agenda, John Donovan seconds.
    • Motion carries.

- Secretary’s Report (Owen Neill)
  o Paul Kotula moves to accept the minutes of the last business meeting, Abby seconds.
    • Motion carries.

- Treasurer’s Report (Dave Tomlin)
  o The Society has weathered COVID-19 induced storm well.
  o As of 15 July:
    • Income: $60,763.12 ($41,350 budgeted).
    • Expenses $19,501.60 ($44,200 budgeted).
    • Meeting expenses: $3,800.
    • Net income: $37,463.52.
      • Net income does not include this year’s co-share for the M&M meeting.
    • Total assets:
      • Schwab investment account: $681,303.33.
      • Total encumbered assets: $897,874.20.
      • Total unencumbered assets: $855,971.44.
  o Proposed budget
    • Projected income is based on income for FY22.
    • An increase in income from Sustaining Members is due to an increase in Sustaining Member fees.
      • Increase from $600 to $800 for MAS-only Sustaining Members, and $1100 to $1150 for joint MSA/MAS Sustaining Members.
    • Projected M&M meeting co-share: ~$20,000.
    • Line items have been added for IUMAS meeting expenses ($16,300) and support for the NSF microanalytical standards proposal from John/Will Nachlas ($10,000).
    • Projecting $49,050 loss, but the Society always ends up under-spending.
- Steve Seddio asked how much income MAS received from the EBSD2022 Topical Conference?
  - Income from EBSD2022 was $6,000.
- Nicholas Ritchie asked about a line item in the budget for Society Management.
  - This includes budgeting for the Society’s ASTM/ISO efforts, as well as reimbursement for council M&M registration, website maintenance, etc.
  - Nicholas suggested breaking this item up into its constituent parts in future budgets.

- Finance Committee (Peter McSwiggen)
  - Stock and bond markets are not favorable.
  - The Society started the year with a balance of $700,447 and transferred a further $100,000 to investments from the MAS bank account.
  - As of 28 July, the value of MAS investments stood at $705,337.
    - This represents a “paper” loss of ~12%.
    - The market remains volatile and may not bottom out for 6-18 months.
  - The Finance Committee suggests a long-term strategy of waiting out this downturn and spreading investments out among stocks and bonds so MAS’s investments will be positioned to rebound when the market does.
    - Unlike previous downturns, bonds are not a safe haven.
  - Paul asked whether it would be possible to show investment benchmarks and whether MAS’ investments are outperforming them.
    - Peter will work on this in the coming months.

- Membership Committee (Emma Bullock)
  - The Society currently has 621 members.
    - 51 members are MAS only, 570 are joint MSA-MAS members.
    - 85 student members.
  - Emma reminded the group that membership runs on a calendar basis.
    - Membership renewal after 30 September includes the following year; renewal prior to 30 September does not.
  - Council has approved a one-year “hardship” waiver for membership fees for members in good standing suffering financial hardship.
    - Waivers are for one year, are confidential, and may be awarded at Council’s discretion.
    - More information is available on the website.
  - Council has approved an “Emeritus Members” program for individuals with at least 25 years as a Regular Member who have retired from remunerative work.
    - Eligible members should contact Emma for more information.
Rhonda Stroud asked how the changes in MSA's procedures for paying membership dues will affect MAS.

- MSA passed changes to their procedures at their business meeting earlier in the week.
- John Mansfield asked a follow-up question about whether MSA will keep the membership and meeting registration charges separate, or if they were combining meeting registration and membership renewal into the same process.
- Nicholas also followed up about whether members would get to choose one society or the other when signing up for M&M.
- Emma will contact MSA to get the details.
- Dave said that MSA is still working out the details for these changes, so this information may not be available.

- Sustaining Members (Steve Seddio)
  - There are currently 25 Sustaining Members.
    - Two are MAS-only Sustaining Members; the other 23 are joint with MSA.
  - The number of Sustaining Members is down from previous years, possibly due to the dues increase.
    - Dues increased from $600 to $800 for MAS-only Sustaining Members and $1100 to $1150 for joint MSA/MAS Sustaining Members.

- Strategic Planning Committee (Vin Smentkowski)
  - The Committee is looking for new members.
  - Completed initiatives:
    - The first APT instrument has been moved from Steam’s storage space to John Panitz’s museum in Albuquerque.
    - In conjunction with the Archivist, meeting minutes and archival information has been added to the MAS website.
  - Ongoing funded initiatives:
    - Strengthen the relationship between MAS and the Science History Institute to better preserve the Society’s archival material and to make it more available to members.
    - Post-doctoral awards at M&M.
    - New MAS awards:
      - MAS Best Student Poster.
      - MAS Creative Canvas Award.
      - MAS Technician Award.
        - There were no applicants for this award this year, suggesting further advertising is needed.
  - Proposed initiatives:
    - “#elevateyourpaper” campaign.
• Implement a searchable “Meet a Member” database on the MAS webpage.
• Evaluate and update/correct Wikipedia articles on microanalysis-related topics.
• Increased MAS’ social media presence.
• Identify topics and speakers for webinars or other online MAS events.
  ▪ A quantitative EDS webinar is possible in the works.
• ASTM/ISO (Nestor is chair)
  ▪ The ASTM meeting will be held jointly with the MSA Standards Committee on Thursday, 4 August at 8am.
  ○ Please bring new ideas for strategic planning initiatives to Vin or the Committee.

• FIGMAS Report (Owen Neill for Will Nachlas)
  ○ FIGMAS currently has 41 members, and is working on ways to expand membership beyond MSA/MAS.
  ○ Will Nachlas, John Donovan and colleagues have begun an initiative to support development of new microanalytical reference materials (see below).

• NSF Proposal (John Donovan)
  ○ John, Will, Aurelien Moy (University of Wisconsin) and several collaborators are moving forward with an NSF proposal for a set of reference materials/calibration standards for microanalysis that can be distributed globally.
    ▪ The authors propose to procure synthetic, high-purity, commercially available materials that can be replicated in perpetuity and can be distributed worldwide.
      ▪ John asked for members to contribute sources or ideas for getting these materials.
    ▪ These materials would allow for more uniformity and consistency in calibrations between labs, and eliminate inter-laboratory bias.
    ▪ These would also allow for measurement and comparison of K-ratios from different instruments between labs to verify instrument performance.
      ▪ Nicholas Ritchie has proposed a K-ratio database that could be populated using measurements from these materials.
  ○ The authors have asked MAS to provide financial support to this project in addition to NSF funding.
  ○ Rhonda noted that there is a need for TEM film standards, and asked whether these kinds of standards would be included in this effort.
• John and Nicholas both responded that this was not planned in the initial effort, but could perhaps be part of subsequent efforts.
  o Masashi asked how much money the proposal would be requesting.
    • John responds that the proposal will be for ~$400,000 over two years.
    • MAS would provide $10,000 per year, contingent on NSF funding (if NSF rejects the proposal, there will be no MAS contribution).
    • If the proposal is accepted, the authors will provide MAS Council a progress report after the first year.
      - Second year funding will be contingent on success and progress during the first year.

• M&M2022 Update (Michelle Thompson)
  o For the first time since 2019, M&M is back in person!
  o Locations for MAS events at M&M2022 are as follows:
    • Monday Awards Session: G131
    • Monday Meal with a Mentor: 12:30 C-124
    • Tuesday Local Affiliated/Regional Societies: 7:15 G131
    • Wednesday Business Meeting 5:15 C-124
    • Wednesday Social at Spirit of 77 following Business Meeting
    • Thursday: 8:00 ASTM meeting held jointly with MSA Standards Committee
  o As of 23 July:
    • 1470 attendees have registered (budgeted 1558).
    • 768 exhibitors (budgeted 918).
    • $610,244 in revenue (budgeted $560,670).
    • Attendance is somewhat lagging pre-pandemic meetings, but is ahead of the virtual meeting in 2021.
      - Meeting revenue exceeds all years except 2019 and 2015.
  o Special thanks to Michelle for all her work.

• Nominations Committee (Pat Camus)
  o Pat thanks the members of the Nominations Committee for their service.
  o President-elect:
    • Andy Herzing has been nominated prior to the meeting.
    • Owen moves to close nominations for president, Rhonda seconds.
      - Motion carries.
  o Directors:
    • Kate Burgess has been nominated prior to the meeting.
    • Salva Salmani-Rezaie has been nominated prior to the meeting.
    • Jordan Hachtel has been nominated prior to the meeting.
    • Abby moves to close nominations for directors, Nestor seconds.
      - Motion carries.
Archivist (John Fournelle via Zoom)
- The Science History Institute has received 14 boxes of MAS archival documents, including old EPASA/MAS treasurer records, materials from Kurt Heinrich’s estate and various other documents.
- John is looking for volunteers to proofread the automatic transcriptions of oral history interviews; please contact John if you would like to help.
- John continues to update the historical roll of EPASA/MAS officers and directors.

Affiliated Regional Societies (Heather Lowers for Clarissa Wisner)
- There are currently 19 AReS, and they are beginning to re-activate after the COVID-19 induced pause.
- Thanks to Ed Vicenzi, who gave talks to two different AReS as part of MAS’ Tour Speaker program.
- Thomas Lam has been added as an AReS Tour Speaker.
- A map of the US showing areas covered by each AReS has been added to the MAS website.
  - Please submit any updates or corrections to this map to Anette von der Handt or Josh Taillon.

Awards Committee (Brad de Gregorio)
- Thanks to the Awards Committee members for all their hard work in selecting awardees and evaluating nominees.
- 2022 award winners:
  - Castaing Award: Dara Laczniak (Purdue University).
  - Macres Award: Aleksander Mosberg (SuperSTEM).
  - Coslett Award: Timmons Erickson (Jacobs Technology).
  - Birks Award: Aaron Torpy (CSIRO Mineral Resources).
  - Presidential Service Award: Kerry Siebein (NIST).
  - K.F.J. Heinrich Award: Jordan Hachtel (Oak Ridge National Laboratory).
  - Presidential Science Award: John Panitz (University of New Mexico).
  - Peter Duncumb Award: Colin MacRae (CSIRO Mineral Resources).
  - MAS Scholar Awards (students and post-docs):
    - Benjamin Arredondo-Tamayo (Instituto Politécnico Nacional).
    - JoAnn Ballor (Michigan State University).
    - Adham Basha (Tel Aviv University).
    - Daniel Durham (University of California Berkeley).
- James McFadden (Purdue University).
- Mehrpad Monajem (Friedrich-Alexander-Universität Erlangen-Nürnberg).
- Mehdi Mosayebi (McMaster University)
- Claudia-Tatiana Santos Maldonado (Imperial College London).
- Sang Bum Yi (University of Toronto).
- Dasol Yoon (Cornell University).
- Adrián Pedrazo-Tardajos (University of Antwerp).
- Alexandre Pofelski (Brookhaven National Laboratory).
- Rekha Rao (University of Alabama).
- Angel Valdez (McGill University).
- Yao Ying (University of California Los Angeles).

**MAS Poster Awards (new for 2022!):**
- Two student, one creative canvas
- Best Student Poster Award winners:
  - Maizey Benney (University of Arizona).
  - Juhyeok Lee (Korea Advanced Institute of Science & Technology).
- Creative Canvas Poster Award winners:
  - Hadas Sternlicht (Lawrence Berkeley National Laboratory).

The new awards were overall very successful, although lessons learned during this process will be applied in future.

**Brad reminded the group to please nominate best paper awardees.**

**Computer/Web Activities (Anette)**
- Web traffic increased significantly in 2022.
  - Online events such as the EBSD2022 Topical Conference and other webinars played a role in driving increased web traffic.
- Completed activities:
  - Maintained the MAS website.
  - Facilitated online activities such as EBSD2022 and the open-source EPMA software webinar.
  - Started an intranet for MAS Council use.
- Future computer initiatives.
  - Expanding MAS intranet.
  - Working with the Archivist to expand the MAS history section on the website.
  - Anyone who has historical material that they wish to contribute, especially pictures of past meetings or historical labs or instruments, should submit them to Anette or John to be added to the MAS history section.
o Heather mentioned that there have been requests for MAS to create a visual exhibit of the Society's history for M&M, similar to what MSA puts together.
  ▪ This gallery would be displayed at the MAS booth.
  ▪ Plans are in the works to display this at future meetings.

• Social Media (Heather Lowers for Dan Ruscitto)
  o MAS is most active through Facebook and Twitter.
  o Engagement is still growing but has slowed in 2021-2022 vs. 2020-2021.
  o MAS is also posting less compared to 2020-2021.
  o Dan is looking for committee members, and possibly a new chair.
  o Dan is currently adding M&M2022 content to social media.
    ▪ Heather asked that members assist with this.
  o The #elevateyourpaper campaign needs content.
    ▪ Members are encouraged to submit a <240 character length summary of a paper to be posted to the MAS Twitter feed.
  o Josh asked whether it would be possible to sponsor students to live-tweet or “microblog” the meeting.
    ▪ John Mansfield added that it would be useful to encourage award winners to post that they won awards to social media, with pictures of them receiving awards if possible.
    ▪ Josh also suggested finding a person, or several people, to take over the MAS Twitter feed for periods during the meeting.
  o Brad asked whether there were hashtags to be used for the conference.
    ▪ Heather replied that yes, there are several in use.

• Education Committee (Abby Lindstrom/Mary Scott)
  o The Meal with a Mentor program took place on Monday, 1 August during the M&M meeting.
    ▪ Full enrollment of 100 students, with good discussions throughout.
  o Goldstein Awards:
    ▪ Fall 2021:
      ▪ Dara Lacznik (Purdue University).
    ▪ Spring 2022:
      ▪ Alexander Kling (Purdue University).
      ▪ Xinxing Peng (Lawrence Berkeley National Laboratory).
    ▪ Fall 2022:
      ▪ Nomination packets are due 1 November, 2022.
  o Abby asked that members please submit nominees for Goldstein awards.
  o Donggao Zhao asked about the process for becoming a Mentor for the Meal with a Mentor program.
    ▪ Abby answered that anyone who volunteers will be nominated.

• Fellows Committee (Heather Lowers for Donovan Leonard)
Donovan has taken over as Fellows Committee chair from Tom Kelly.
- Thanks to Tom for all his work in getting the program off the ground.

The deadline for new Fellow nominees is 30 September.
- The committee aims to add 2-3 fellows per year (0.5% of membership), with a goal of 10% of the active membership being fellows at a given time.

Heather asked for more nominations, as the pool has narrowed.
- Nominations are valid for 3 years, so those not selected initially have more chances.
- Please contact Donovan for information on nominating a potential Fellow.

Current nominees:
- Larry Allard (Oak Ridge National Laboratory).
- Rhonda Stroud (Arizona State University).

International Liaison (Heather Lowers for Andy Herzing)
- IUMAS8 will take place from 11-16 June, 2023, in Banff, AB, Canada.
- The annual AMAS meeting has been folded into sessions of the ACMM27 meeting in Perth, Australia, on 29 January – 2 February, 2023.
- Due to the war in Ukraine, the annual EMAS was postponed to May 2023, in Krakow, Poland.

IUMAS (Josh Taillon)
- Josh and Andy Herzing will be organizing an MAS-sponsored pre-meeting workshop on open source data analysis software.
  - This workshop will feature 10 tutorials.
  - Two keynote speakers for the workshop will receive $1000 reimbursement for registration and travel.
  - The other 8 presenters will receive registration reimbursement.
  - Keynote speakers:
    - Colin Ophus (Lawrence Berkeley National Laboratory).
    - Francisco de la Peña (Université de Lille).
  - Other speakers:
    - Jonas Lähnemann (Paul-Drude-Institut).
    - Jordan Hachtel (Oak Ridge National Laboratory).
    - Håkon Wiik Ånes (Norges Teknisk-Naturvitenskapelige Universitet).
    - Nicholas Ritchie (National Institute of Standards and Technology).
    - Marcus Hanwell (Brookhaven National Laboratory).
- Registration for IUMAS will be limited to 200 participants.
Brad asked whether the workshop would be lecture-based, or more focused on tutorials and interactive demonstrations.

- Josh replied that the intent is that the workshop will be interactive.

- M&M Magazine (John Mansfield)
  - John confirms that M&M is the number one journal in Microscopy.
    - Impact Factor = 4.099.
  - The main competition is Microscopy Research and Technique, Microscopy and Ultramicroscopy.
  - Manuscripts for 2022 came from 40 different countries, with 19 multinational submissions.
  - The journal will be changing publishers, from Cambridge to Oxford University Press.
    - This change will officially take place on 1 January, 2023 but the transfer process has started.
    - ScholarOne will still handle submissions and reviews, so there should be minimal change in the submission process for authors.
  - The journal will be moving to fully online as part of the publisher change.
    - This move will save MAS/MSA ~$34,000 on end user fees.
  - Society members will still get access to M&M.
  - Thomas Lam reported some issues with logging into ScholarOne and Cambridge.
  - Brad asked whether this change will affect access to older, Cambridge-published issues of M&M.
    - John replied that there is an agreement in place to handle this contingency.
    - Cambridge will transfer past issues to Oxford, and archival access should be maintained.
    - There have been some issues with digitizing older issues, but those issues are currently being worked on.

- Topical Conferences (Heather Lowers for Yoosuf Picard)
  - The EBSD Topical Conference was pushed back to 2022 due to COVID-19.
    - The Topical Conference was held virtually on 7-9 June, 2022.
      - Thanks to Anette and Dave for help in organizing this meeting.
      - Overall the meeting was very well received; audience feedback was very positive.
    - The meeting had 124 attendees.
      - 80% of attendees were from academia, 20% from industry.
      - The split between materials-focused and geology-focused attendees was about even.
Experience with EBSD was self-reported as 30% expert, 34% intermediate, 36% beginner.

Three platinum sponsors (BLG Vantage, EDAX, Oxford Instruments) and one gold sponsor (Thermo Scientific).

Financial support was provided to 32 early-career investigators.

The TC featured 9 tutorials, 21 oral presentations, and 12 posters.

Final budget for EPMA2022:
  • Gross revenue: $12,800.
  • Expenses: $5400.
  • Net profit: $7400.

Andy and Josh have proposed a Topical Conference on open source data analysis.
  • Tentatively scheduled for 2024 or 2025, as circumstances dictate.

Please send ideas for other Topical Conferences to Yoosuf.

- Beads of Office Transfer
  - Heather transferred the Beads of Office to Pat.

- Meeting adjourned: 18:32 PDT