



BOARD OF DIRECTORS MEETING ♦ MINUTES ♦ Sunday, January 24, 2016 ♦ 8:30 a.m.–5:00 p.m. Hilton, Daytona Beach, Florida ♦ Oceanview Room

Board Members Present:

Mrityunjay (Jay) Singh, President
Kathleen Richardson, Past President
William Lee, President-elect
Daniel Lease, Treasurer
Michael Alexander, Director
Geoff Brennecka, Director
Manoj Choudhary, Director
John Halloran, Director
Edgar Lara-Curzio, Director
Hua-Tay (HT) Lin, Director
Tatsuki Ohji, Director

Non-Voting Board Members Present:

David Johnson, Parliamentarian
Charlie Spahr, Executive Director

Board Members Absent:

Martin Harmer, Director
Greg Rohrer, Director

Staff Present:

Teresa Black
Eileen De Guire
Marcus Fish
Sue LaBute
Mark Mecklenborg

1.0 CALL TO ORDER AND OPENING STATEMENTS

President, Jay Singh, called the meeting to order at 8:35 .am. The agenda was approved.

2.0 APPROVAL OF CONSENT AGENDA

2.1 Approval of Previous Board Meeting Minutes

- October 3, 2015

2.2 Acceptance of Committee Reports

2.3 Acceptance of PCSA Report

2.4 Approval of Student Material Advantage Chapters

- San Francisco de Quito University – Ecuador

On motion by Kathleen Richardson, seconded by Geoff Brennecka, the Board voted unanimously to approve the consent agenda of January 24, 2016.

3.0 INDIVIDUAL BOARD MEMBER UPDATES

Board members provided updates of their ACerS related activities that have taken place since the last Board meeting in October.

4.0 PRESIDENT'S REPORT

4.1 Strategic Planning for Emerging Opportunities Update (Lee)

Bill Lee updated that the SPEO Committee is meeting on Wednesday of this week, and they are discussing the possible formation of a Bioceramics Division. And it's also possible that more activities might come from the SWOT meeting discussions.

4.2 Revitalization of Domestic Sections

Jay Singh outlined a plan to revitalize Domestic Sections as endorsed by the Executive Committee. Currently there are five active Sections with dues paying members. Northern Ohio and Western New

York are targeted for revitalization this year. For Sections to be successful they need local champions, need staff support, and may need financial support, such as the Division supplemental funds model.

Similar to the Division Supplemental funds, this will be a two-year pilot program, provide each active Section, plus the two to be revitalized Sections, up to \$2,500 per year from the Society to:

1. recruit GGRN/student members (\$600) in Section's geographic region;
2. to fund distribution of Material Science Kits (\$400) in local areas;
3. plus an additional \$1,500 for other defined purposes.

Charlie Spahr and Dan Lease suggested eliminating Section and Division dues, ACerS would still provide funding to Divisions based on headcount.

Action items:

Geoff Brennecka will lead a committee to create a proposal for supplemental funding, for future approval by the Board.

Edgar Lara-Curzio requested that staff develop a map to show the location of members to help identify possible areas of focus for Sections.

Jay Singh requested that staff contact all inactive Sections by end of 2016 to determine if revitalization is an option or whether they should be dissolved.

4.3 Creation of International Chapters

Jay distributed the bylaws for the proposed international chapters and outlined the rules. Consider this the start of the required 30-day notice for approval.

Action item: Schedule an evote for approval of international chapters for 30-days out.

4.4 Strategic Planning Activities: SWOT Analysis

Jay Singh reviewed the key themes from the SWOT session. Two will be addressed separately - Journals (hiring a consultant to address current day issues) and CPC (will conduct a separate SWOT); two will be addressed in the future - Divisions and partnerships; and two will get more immediate action - membership and volunteer activity.

A successful SWOT analysis will require realistic benchmarking, including market scans and critical assessments, which will be key to developing strategy, to identify key challenges, to develop and implement action plans and to identify new products and services (Journals, conferences, etc.) for future growth and sustainability.

4.5 Global Collaborations and Outreach

Asia Pacific Ceramic Cooperation Summit (Singapore and Bangkok)

Jay Singh, Bill Lee and Charlie Shahr are travelling to Bangkok, Thailand, in February and Jay and Charlie will visit Singapore in March to meet with members and discuss setting up International Chapters. They also are coordinating a Summit to include presentations and information exchange.

KIChE MOU

Jay Singh discussed plans to sign a MOU this week with the Korean Institute of Chemical Engineers for joint activities in MCARE and other programs.

India and Brazil

Jay updated on the trip he made to India in December, where he attended three summits. Had discussion about future growth such as an Asian Ceramic Leadership Summit and Potters Workshops. Discussions have been initiated with Brazil, Columbia, and Mexico regarding a possible Biennial Pan American Ceramic Congress in Cancun.

Europe

Good summer school was held in 2015 in Madrid and winter workshop taking place now in Orlando; will be discussing plans for coming years with representatives from ECerS this week. Summer school in Limoge in June 2016 scheduled next.

4.6 Member Recruitment/Retention/Recognition

GGRN

Charlie Spahr reported that the GGRN is thriving and growing, however, the program is in conflict with the existing Material Advantage agreement as we're not allowed to have competitive membership categories for students. ACerS is working it through with the other societies and expect a positive outcome. Waiting on a proposal from TMS. An update should be available for the next Board meeting in June.

4.7 ECD Request to set up ECD Jubilee Fund

Jay Singh presented a plan for the ECD Jubilee Fund for approval. The Jubilee Fund will be used to encourage and promote participation, develop and mentor women, underrepresented minorities, students, and early to mid-career professionals in the field of ceramic science and technology through their active involvement and participation in Engineering Ceramics Division and the society. This program will also develop and foster cooperation among young professionals from different parts of the world by providing Jubilee travel. Funds will come from the Jubilee book royalties (8% of sale) donated by book authors Tatsuki Ohji and Mrityunjay Singh and other donors.

On motion by HT Lin, seconded by Tatsuki Ohji, the Board voted unanimously to approve the establishment of the ECD Jubilee Fund.

Action Item: Parliamentarian David Johnson will provide procedure manual language for the ECD Jubilee Fund for future Board approval.

5.0 FINANCIAL UPDATE

5.1 2015 YTD (November) and Full Year Preliminary Results

Treasurer, Dan Lease, reported that the year-end operating surplus is projected to be \$386K ahead of budget, although final numbers won't be available until February. Announce that Director of Finance and Operations, Teresa Black, has resigned, so a search will be launched for a replacement.

5.2 Investment Portfolio Update and Major Fund Balances

Dan Lease reported that the year-end investment rate of return is down approximately 1.0%, which is consistent with the Dow. The Fund balances are at \$8.1m, which is down \$100K from the previous year. We will continue with our very conservative investment strategy, as the current investment climate warrants caution.

5.3 2016 Budget Review and Approval

Dan Lease reviewed the 2016 process, the Finance and Executive Committees reviewed and approved the preliminary budget in early December.

On motion by Dan Lease, seconded by Geoff Brennecke, the Board voted unanimously to approve the 2016 Budget as presented.

6.0 FUNDING FOR KEY PROJECTS FROM SWOT ANALYSIS

Jay Singh discussed possible funding for key projects, which may need to be allocated from the reserves, for activities identified during the SWOT discussion. For example, funds have not been budgeted for the CPC SWOT exercise, but \$25K has been budgeted for a Journal consultant. Will be better defined by the June Board meeting.

7.0 PAST PRESIDENT'S UPDATE

7.1 ACerS/ECerS Student Exchange (Daytona '16)

Kathleen Richardson provided an update on the Student Exchange taking place this weekend with ECerS in Orlando. She praised the ACerS staff and student organizers for making the program happen, it was a 'bottom up' student organized event. This exchange was the follow up to the ECerS / ACerS exchange that took place last summer in Madrid. The GGRN and YPN helped organize as did the EMA and ICACC organizers. ECerS supported 17 attendees, CGIF supported one of the speakers and there were 42 participants. Going forward, would like to organize again next year in Istanbul, with higher participation, 15-20 supported by ACerS or possibly the Foundation.

7.2 Washington Internship in Science and Engineering (WISE)

Kathleen Richardson updated on this initiative that was introduced by then ACerS Board member Beth Dickey last October to provide funds to support an intern in summer 2016, as a pilot program for one candidate for one year. There was only one applicant, possibly due to the late start of the search, which unfortunately doesn't make for a quality search. Beth will follow up with the candidate and would like to request a deferment of one year for the pilot program to run it again this year. Hope to get better results with more lead time, more advertising, goal is to target beginning of semester to get the faculty involved early.

On motion by Kathleen Richardson, seconded by Geoff Brennecke, the Board voted unanimously to defer funding of the WISE program for one year to provide more time to identify a broader slate of candidates.

Action Item: Kathleen will follow up with Beth Dickey regarding the WISE intern and the Board approval to defer the pilot program for one year.

8.0 EXECUTIVE DIRECTOR'S REPORT

8.1 Operations and CPC Update

Executive Director, Charlie Spahr, reviewed the operations updates that were included in the advance materials but in the interest of time did not review in detail but highlighted the following:

Healthcare costs came in lower than budgeted due to switching insurance companies and plans. Since the renewal date is January 1, the rates aren't available in time to include the actual costs in the budget.

ACerS experienced increases in all membership categories in 2015, new members from meetings, added GGRN members, and increase the number of new corporate members. This is the highest number of members since 2002, the challenge will be to sustain and engage the members acquired via meetings.

CPC recently introduced 'All-Access Subscription' bundles that include web full archive and print and tablet versions of content for one price. CPC also launched an updated version of their website which is now responsive for all devices. CPC will conduct a parallel SWOT exercise.

At the last Board meeting, exploring an International Year of Light (IYL) designation for ceramics was discussed. It sounded promising at the time, however, after speaking to the executive director of the IYL, it turns out that it's a substantial undertaking (IYL had six full time staff members) and his suggestion was to go with a larger theme such as 'materials' instead of only 'ceramics.' After considering the amount of resources, both financial and human resources, it was decided to not pursue the project at this time.

8.2 Functional Glass Manufacturing Initiative Consortium Development

Charlie Spahr updated that the project is moving along and Eileen De Guire doing a great job leading it. The first roadmapping workshop was held in November during the Glass Problems Conference in Columbus. The second workshop will take place during the Glass and Optical Materials Division meeting in Madison, Wisconsin in May. Next, will need to develop a working consortium to work on the issues identified in the roadmap. Will need to determine if ACerS will lead the consortium or look for a partner, such as one of the existing NNMI or a university. If we lead, it will be a very significant effort. How

involved does the Society want to be in leading this? The motivation was never about the revenue, but about another connection to industry. Approaching some important decision points in the next four to five months.

8.3 Division Supplemental Funding – 2015 Summary

Charlie Spahr reviewed the status of the Division Supplemental Funds. The Board approved a two-year pilot last year for Divisions to provide up to \$2,500/year per Division, to supplement the \$10 per Division member currently allocated. This funding gives Divisions more financial flexibility, and will provide support especially for the smaller Divisions. Six Division - AACCS, BSD, Cements, Electronics, ECD and RCD utilized the program in 2015 and submitted the required report.

8.4 Status of GGRN re: MA and MS&T

As mentioned earlier, ACerS is working with the other Material Advantage organizations to resolve the issue.

8.5 Ceramics Expo Update

Charlie Spahr reported that the 2016 Ceramics Expo is looking very good, with 250 exhibitors committed, should get to 300; Coorstek and Kyocera both are exhibiting this year. ACerS is organizing five-six new workshops (all revenue from workshops goes to ACerS) and the Ceramic Leadership Summit will take place at the front-end of the Ceramics Expo. Eileen is putting together a strategy for CEX, how to get members, etc. Cleveland mayor and NASA director are scheduled to kick off the event. We have high visibility at the CEX.

8.6 EIC and Related Committees Meeting on Monday

Charlie Spahr reported that the EIC leaders are meeting on Monday afternoon to discuss their future structure, upon the request of Kevin Fox, EIC chair. They plan to identify needs/opportunities, etc, using SWOT and will develop recommendations and next steps.

9.0 PARLIAMENTARIAN REPORT

9.1 Lifetime Membership

Director of Membership, Mark Mecklenborg, reviewed the Lifetime Membership proposal as endorsed by the Member Services Committee. Dues will be \$2,000, which will be amortized each year, and are estimated to cover 16-17 years of membership.

On motion by John Halloran, seconded by Bill Lee, a friendly amendment on motion by Geoff Brennecka to include the Du-Co Young Professional Award, the Board voted unanimously to approve the amendments as described in the Parliamentarian's report Bylaws Article BVIII. Dues and Fees and Rules Article RVIII. Dues and Fees which reestablishes the grade of Lifetime Membership and redefines the former Life Membership Fund as the Lifetime Membership Reserve. The motion carried with nine in favor and two abstentions.

On motion by John Halloran, seconded by Manoj Choudhary, to change the name to Paid Lifetime Member or Regular Lifetime Member. John Halloran withdrew the motion. Seconder Choudhary agreed.

On motion by HT Lin, seconded by Manoj Choudhary, to amend the name to Regular Lifetime Membership, the motion failed with three in favor and eight opposed.

9.2 Graduate Excellence in Materials Science (GEMS) Award – Basic Science Division

On motion by John Halloran, seconded by Dan Lease, the Board voted unanimously to approve the amendment to the Rules to remove the requirement that the faculty advisor endorse nominations.

9.3 Hoffman Scholarship – Electronics Division

On motion by John Halloran, seconded by Geoff Brennecka, the Board voted unanimously to amend the rules in the Procedure Manual as described in the attachment.

9.4 Henry Award – Electronics Division

On motion by John Halloran, seconded by Geoff Brennecka, the Board voted unanimously to amend the rules in the Procedure Manual as described in the attachment.

9.5 Richard M. Fulrath Awards

David Johnson described the changes proposed by the award sub-committee to award \$1,000 to each of the three industrial awardees, as they believe this will enhance the reputation and image of the Fulrath Awards.

President Jay Singh opened the floor for discussion. He noted that this change, if approved, impacts the finances of the fund. Currently, \$4,000 (\$2,000 to each of the two academic awardees) is awarded each year, this change will increase the annual amount awarded to \$7,000 per year. The current balance of the fund is \$169K. Jay expressed concern that while the academics receive \$2,000 each, which is intended to support their travel to Japan, they don't always make the trip as required by the rules. He would like the award to be changed to \$1,000 for all the awardees, thus reducing the academics award from \$2,000 to \$1,000 each. Edgar Lara-Curzio suggested that the Board contact the award sub-committee for further discussion.

Geoff Brennecka called the question to close discussion. The motion to close discussion carried with nine in favor.

On motion by John Halloran, seconded by Mike Alexander, the Board voted to amend the Procedure Manual rules as to award \$1,000 to each of three industrial winners of the award, each year.

10.0 CERAMIC and GLASS INDUSTRY FOUNDATION

Development Director, Marcus Fish, updated on the activities of the Foundation.

On fundraising efforts, he reported that the 2015 fundraising goal was \$400K, actual total achieved was \$314.5K (which does not include the ACerS match). A \$100K donation was received from the Theodore H. Church Foundation. A total of \$503K has been raised since the inception of the Foundation. Matching funds of \$500K is still available from ACerS. For 2016, fundraising activities will include the creation of an annual report, quarterly direct mail and emails appeals will be sent to ACerS members, there will be a strong emphasis on building relationships with corporate donor prospects, and a Legacy Giving campaign will be created (estates plans, wills).

On programming efforts, Marcus reviewed the programs that were launched in 2015. The Foundation partnered with ASM to provide ACerS Material Science Kits to participants of the Advanced Materials Camp for Teachers, launched the Ceramic and Glass Career Center, and launched the University-Industry Network with five pilot schools in the US. In 2016, programming will focus on Student Outreach Programs, the University-Industry Network Program and Student Exchange Programs. Manoj Choudhary offered congratulations on making tremendous strides in a short time.

11.0 EXECUTIVE SESSION

On motion by Manoj Choudhary, seconded by Geoff Brennecka, the Board voted to move into executive session. President Singh requested that David Johnson, Charlie Spahr and Sue LaBute remain for executive session.

13.0 SOCIETY AWARDS

2016 Varshneya Lecture Awards

On motion by John Halloran, seconded by Geoff Brennecka, the Board voted unanimously to approve **Matteo**

Ciccotti as the 2016 Darshana and Arun Varshneya Frontiers of Glass Technology Lecturer.

On motion by John Halloran, seconded by Geoff Brennecka, the Board voted unanimously to approve **Matt Dejneka** as the 2016 Darshana and Arun Varshneya Frontiers of Glass Science Lecturer.

14.0 COMMITTEE APPOINTMENTS

Publications Committee

On motion by Kathleen Richardson, seconded by Michael Alexander, the Board voted unanimously to approve **Haiyan Wang** as a member of the Publications Committee for the Society term January 2016 through October 2018.

Frontiers of Science & Society Rustum Roy Lecture Committee

On motion by Kathleen Richardson, seconded by Michael Alexander, the Board voted unanimously approve **Sanjay Mathur** as a member of the Frontiers of Science & Society Rustum Roy Lecture Committee for the Society term January 2016 through October 2017 [to replace Larry Hench].

15.0 NOMINATING COMMITTEE REPORT

Kathleen Richardson updated that the Nominating Committee followed the best practices document that was developed last year, which resulted in an increase in the number of nominees and more diversity in the pool. She plans to work with the unsuccessful candidates for Director to help them gain more visibility by encouraging them to consider running for one of the principal activity committees.

On motion by Edgar Lara-Curzio, seconded by Michael Alexander, the Board voted unanimously to approve the slate of nominees for the positions of President-elect and Board of Directors as presented by the 2015-2016 Nominating Committee:

President-elect October 2017-2018: **Sylvia Johnson**

Directors October 2016 – October 2019: **Doreen Edwards, Dana Goski, Lynnette Madsen**

Kathleen reported that the next activity for the Nominating Committee is to populate the standing and principal activity committees for approval by the Board at the next meeting.

16.0 DISCONTINUE EXECUTIVE SESSION AND ADJOURNMENT

On motion by John Halloran, seconded by Kathleen Richardson, the Board voted to end the executive session and adjourn the meeting. The meeting adjourned at 3:50 p.m.

BOARD OF DIRECTORS FUTURE MEETING SCHEDULE

2016

Sunday, June 26	Toronto, Ontario, Canada	9:00 a.m. – 5:00 p.m.	(HTCMC9)
Saturday, October 22	Salt Lake City, Utah	9:00 a.m. – 5:00 p.m.	(MS&T)

2017

Saturday, January 21	Orlando, Florida	9:00 a.m. – 5:00 p.m.	(EMA)
Sunday, May 21	Waikoloa, Hawaii	9:00 a.m. – 5:00 p.m.	(PACRIM/GOMD)
Saturday, October 7	Pittsburgh, Pennsylvania	9:00 a.m. – 5:00 p.m.	(MS&T)