



2012/2013 Division & Class Report  
to the  
ACerS Board of Directors

Division/Class: **Art, Archaeology and Conservation Science (AACS)** division

Current Division/Class Officers: (complete as appropriate for your Division or Class)

Chair: **Lynnette D. Madsen** <lmadsen@nsf.gov>

Vice-chair: **Marc Sebastian Walton** [marc.walton@northwestern.edu](mailto:marc.walton@northwestern.edu) – note that he was at the Getty when elected; he recently changed positions.

Secretary: **Glenn Alan Gates** ([ggates@thewalters.org](mailto:ggates@thewalters.org))

Treasurer: **Pamela Vandiver** ([vandiver@mse.arizona.edu](mailto:vandiver@mse.arizona.edu)) – appointed after rule changes were approved in March 2013.

Trustee: **Katherine Faber** ([k-faber@northwestern.edu](mailto:k-faber@northwestern.edu)) – 3 year term.

Incoming Division Officers: (complete as appropriate for your Division or Class).

AACS Division changes officers at the ACerS Annual Meeting in October (MS&T).

Positions rotate through Daisy Chain; Lynnette will become Chair of the Nominating Committee.

Treasurer Elect: **Kathryn V. Logan** ([kvlogan@bellsouth.net](mailto:kvlogan@bellsouth.net))

Trustee: Katherine Faber ([k-faber@northwestern.edu](mailto:k-faber@northwestern.edu)) – year 2 of 3 year term.

Summary of Meetings and Activities Held/To Be Held (from Jan. - Oct. 2013):

**BACKGROUND:** This division represents a revitalization of the inactive ACerS Art Division – Lynnette worked closely with American Ceramic Society (ACerS) staff and members for ~1.5 years to get this new division created. Her rationale was that the connection with ceramic and glass art provides ACerS with a unique and natural tie to the public and sets ACerS apart from many other material societies.

Along the way, she was encouraged by her involvement in the NSF programs: SCIART and then Chemistry and Materials Research in Cultural Heritage Science (CHS). (Note that the NSF working group had one invited oral presentation at a Fall MRS meeting (that Lynnette delivered) followed by a proceedings publication. The MRS proceedings are now available electronically and are listed on the Web of Science as well.) The programs at NSF ran in total for three years to help connect academic institutions with non-profit organizations and to raise awareness of NSF's interest in supporting basic scientific research in the area of cultural heritage, in particular in the areas of chemistry and materials research. NSF continues to welcome submission of proposals during its regular open windows.

**ACTIVITIES:** The new Art, Archaeology and Conservation Science (AACS) Division of the ACerS has addressed the following items in 2013:

- Early in 2013, an executive committee was elected by the division; the AACS executive committee then invited Pam to join and accordingly created an additional position.

- Updated the divisional rules (that were originally written in 1954 that had only minor updates in 2001) <http://ceramics.org/wp-content/uploads/2013/03/aacs-rules-march-2013.pdf>. We are grateful for the input from David Johnson in carrying out this task. POC: K. Faber
- Created a document outlining the daisy-chain of succession etc. following the example of BSD; AACS holds this document in its archive – it is not posted on the website.
- Created an external ACerS website (<http://ceramics.org/divisions/aacs>); it is meant to be dynamic with regular updates to various sections, particularly the list of upcoming meetings
- Developed, in cooperation with ACerS staff, materials (brochures, business cards) for advertising AACS
- Outreach to numerous outside organizations about AACS and its activities
- Kathy Faber appeared in an AACS Ceramic Tech Today video
- Held monthly executive conference calls starting in Jan. 2013 (i.e. even before we were officially a division); minutes are archived in the executive committee's drop box
- Held a 2013 workshop **jointly with BSD** in early Oct.: **Using X-rays to Analyze Cultural Heritage** at SLAC National Accelerator Laboratory and the Cantor Center for the Visual Arts at Stanford University (<http://ceramics.org/meetings/aacs-workshop>). This meeting covered the use of X-ray imaging beamlines at the Stanford Synchrotron Radiation LightSource to analyze works of art. Twenty-five people attended the workshop. POC: M. Walton.
- Even though outgoing and incoming chairs are unable to attend the **MS&T 2013 in Montreal**, we will still have representation for AACS and an AACS divisional meeting on **Tuesday, Oct. 29** from **12-1, Conv. Center Rm. 511D**. POC: G. Gates.
- Added a representative from AACS to the Panel of Fellows: **C. Barry Carter** <cbcarter@engr.uconn.edu>
- Formed standing committees (programming and membership); nominating committee will be formed next (where L. Madsen is the POC).
- Discussed a Subsidiary Division Membership for Potters Council members. As well, in the near future a reciprocal arrangement should be considered so that ACerS members will be encouraged to join the Potters Council.

#### Future Planned Meetings/Activities (from Nov. 2013 – October 2014):

AACS has proposed a symposium for the fall 2014 MS&T meeting in Pittsburgh that has been accepted – it is entitled: **Understanding the engineering design of art objects and cultural heritage**. In four sessions, this symposium will focus on the intersection of art with science and engineering, specifically highlighting the latest approaches in reverse engineering the materials associated with art, archaeology and cultural heritage, including pigments, ceramics, glass, and metals. Emphasis will be placed on various approaches to replication studies intended to better understand the fabrication of art objects or to develop the next generation of materials for art conservation and cultural heritage preservation. This symposium will feature scientific research funded by the National Science Foundation under Program Solicitation 11-528 and 12-530 Chemistry and Materials Research in Cultural Heritage Science, CHS, and Program Solicitation 10-534 Chemistry and Materials Research at the Interface between Science and Art, SCIART. This symposium will be sponsored by the Art, Archaeology and Conservation Science Division of The American Ceramic Society. **Glenn Gates** (Walters Art Museum) and **Bruce Kaiser** (Bruker Elemental) are the organizers and the co-organizers are **Pamela Vandiver** (University of Arizona), **Nicholas Bigelow** (University of Rochester) and **Carlo Pantano** (Penn St.

Univ.).

<http://www.programmaster.org/PM/PM.nsf/UpcomingSymposia/D2F33B562DAC548A85257B7C005CF7D3?OpenDocument&ParentUNID=5E906689DEA330B085257A8E0081D4AD> POC: G. Gates

AACS may organize a 2014/2015 workshop on the scientific identification of fakes and forgeries (tentative). The workshop location has not been determined. This effort will build on a short course at Cranfield University that has been held for the past several years (<http://www.cranfield.ac.uk/cds/shortcourses/fakesandforgeries.html>). There is a strong science diplomacy angle to this venture that may be of interest to the Lounsberry Foundation, the Center of Science Diplomacy at the AAAS, the Doris Duke Foundation, and the Rockefeller Brothers Fund amongst others. POC: M. Walton

AACS may also conduct a stand-alone workshop in 2015; work on this effort will begin immediately to allow more lead time for the organization and advertising of the event. The timing will be such that it will be at least 1-2 months away from MS&T.

#### New Initiatives/Opportunities:

These are outlined elsewhere in this document.

#### Action Items for ACerS Board Consideration at October 26, 2013 meeting:

Approval of the implementation of the Potters Council/AACS membership (if it is ready for this board meeting).  
POC: M. Stout/ K. Faber

#### Issues/Concerns:

Even though we increased our membership by 83% from 55 to 101 during 2013 (and on the official counting day it was 99), we remain concerned about the low membership number. We feel that many ceramic and glass scientists and engineers do not realize the value of joining the AACS division. The strengths of the AACS Division include (i) relating well to the public about art, science, and culture, and (ii) taking new approaches with characterization techniques. Our goals during the coming year include attracting all scientists/engineers with glass blowing studios and many more students.

#### Additional Items of Note:

AACS welcomes joint ventures with other ACerS divisions as well as outside organizations.

#### Financial Statement: (Including year-end summary of expenditures from the Division's Funds)

We are grateful to ACerS staff, in particular Marcia Stout and Charles Spahr, for their support of this new division in 2013. We also appreciate the meetings support/guidance from Mark Mecklenborg, the promotion of the division spearheaded by Eileen De Guire, and the advertising support of Megan Bricker.

We were very glad to get the co-support of our first workshop from BSD, SLAC National Accelerator Laboratory, and the Iris & B. Gerald Cantor Center for Visual Arts at Stanford University. Without them, it would not have been possible.

Submitted By: Lynnette D Madsen with the concurrence of the AACS executive committee.