

MINUTES

ACOUSTICAL SOCIETY OF AMERICA
TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS
San Diego, California, November 16, 2004

Chair: **Lily Wang**

Secretary: **Brandon Tinianov**

The meeting was called to order at 7:36 PM by TCAA Chair, Lily Wang.

1. Welcome and Introductions. Members and guests attending the meeting were asked to sign an attendance list. Special recognition was made for first time attendees.
2. Approval of Minutes. The minutes of the previous meeting were approved as distributed.
3. Acknowledgements. The committee would like to thank the following for their work on their work on the San Diego meeting: General Chair – Bill Kuperman; Technical Program Chair – Michael Buckingham; TPOM Representative – Robin Glosemeyer; Session Chairs – Ning Xiang, Rendell Torres, Mendel Kleiner, Neil Shaw, K. Anthony Hoover, David T. Bradley, Ralph Muehleisen, Michael Stinson, Lily Wang, Ken Roy and Peter Mapp. Also a thanks to all paper presenters.
4. Congratulations. Deep congratulations to new ASA Fellows: Klaus Genuit, K. Anthony Hoover and Volker Mellert.
5. Chair's Report on Technical Council Items.
 - All paper presenters are encouraged to post meeting papers to the online paper copying service.
 - All members are encouraged to login to the JASA Peer Xpress system and volunteer to be reviewers for JASA. The JASA editor is also looking for help on developing and testing a Latex template. Please contact Alan Pierce (adp@bu.edu) directly to volunteer.
 - The ASA Ethical Guidelines have been updated. Contact the Chair if you would like to obtain a copy. A public policy statement on Ocean Noise is also being drafted.
 - NIH is requesting public access to manuscripts accepted for publications by investigators funded by NIH. The ASA sees this as a threat that we are aggressively working against. Those interested in learning more should contact the ASA President-Elect Bill Yost (wyost@luc.edu).
 - The ASA is planning to publish a popular acoustics magazine. An editorial board is being formed. Members who are interested in participating with the magazine should inform the Chair.
6. ASA Committee Reports.
 - Medals and Awards (Red Wetherill) – Nothing to report as yet, since the Medals committee meeting is scheduled for Wednesday.
 - Membership (Greg Tocci) – A number of fellows have been nominated by TCAA members. Please nominate any worthy TCAA members for Fellowship. Greg Tocci offered to draft or structure any nomination letters, if necessary.
 - Standards (George Winzer) – Paul Schomer spoke on behalf of George Winzer. There was an outstanding standards meeting. Topics of interest included special sessions on standards, a Part 2 to an upcoming Journal volume, and a formal report from the Standards committee.

Student Council (David T. Bradley) – David T. Bradley reminded attendees of the student coffee hour, Student Fellowship Workshop, and student reception on Wednesday. David Blackstock will receive the first Student Mentor Award at the reception.

JASA/ARLO (Mendel Kleiner and Ning Xiang) – There have been 20 new JASA submissions since the last meeting. Some manuscripts were shuffled in the software changeover, so there are a few delays in response or publication. Members are encouraged to sign up as potential reviewers in the Peer Xpress system, linked from the ASA homepage.

Books+ – The committee had talks with a publisher for a cooperative relationship and the publication of some out of print books. More specific details will be disclosed if the relationship progresses further. The committee is moving forward on the reissue of books by Cremer and Lord Rayleigh.

7. TCAA Subcommittee Reports.

Newman Student Award Fund (Carl Rosenberg) – The Newman Advisory Committee encourages all TCAA members to nominate students for the Newman Medals. More information can be found on the Newman Fund website: www.newmanfund.org The next student design competition is scheduled for the Vancouver meeting. The great news is that the first honors award will increase to \$1250 and the commendation award to \$750.

Concert Hall Research Group – Bill Dohn announced that preliminary plans are being made for the next CHRG Summer School in 2006 in Aspen. The dates should coincide with the Aspen Music Festival. The event themes will include variable acoustics and special designs for noise isolation.

Classroom Acoustics (David Lubman) – The ad hoc brainstorming session at the New York meeting will continue in a special session on Thursday afternoon. Members are encouraged to show up for work. On Friday there is a workshop on Classroom Acoustics targeted to engineers and educators.

Subcommittee on University/Consultant Partnerships for Research (Paul Calamia) – no report
Acoustics Product Safety Working Group (Nancy Timmerman) – The subcommittee is planning special sessions for the Minnesota and Providence meetings.

Acoustic Data Working Group (Ken Roy) – no report

Another Two Decades of Drama Theaters (Robin Glosemeyer) – The previous poster sessions have been very successful. Robin Glosemeyer and Greg Miller are coordinating the publication effort and aiming for a 2005 publication.

8. Planning of Future Meetings. Special Session Planning discussion for future meetings was led by Lily Wang. She reminded the attendees that TCAA should aim to have at most 7 or 8 half-day special sessions in order to have no overlapping special sessions. Also the committee has an annual fund of \$1500 allocated for invited speaker travel, and this should be requested in advance, preferably at a Technical Committee Meeting.

Vancouver, joint with CAA (May 16-20, 2005) – The technical chair of the meeting is Murray Hodgson. Architectural acoustics will be prominent throughout the meeting. Murray gave a well-received presentation promoting the BC Provincial Law Courts as the location for the meeting social. The suggestion was opened for vote with a unanimous approval. Kerrie Standlee volunteered to represent AA at the TPOM meeting. A distinguished lecture by Manfred Schroeder was proposed by Peter D'Antonio followed by a special session on scattering. The lecture would commemorate the 30th anniversary of his seminal paper: "Diffuse sound reflection by maximum length sequences". The motion was set to and received unanimous approval. [The lecture and session were later

moved to Minneapolis due to scheduling issues.] The following special sessions are on track for the meeting:

- Architectural Acoustics in the Green Building Movement (Murray Hodgson, Ralph Muehleisen)
- Classroom Acoustics – the Research Perspective (Murray Hodgson, Lily Wang)
- Possibilities and Problems with Auralizations of Classroom Acoustics (Mendel Kleiner, Bob Coffeen)
- Preserving Acoustical Integrity in the Course of Renovation (Dan Raichel)
- Soundscapes from an Architectural Viewpoint, joint with Noise (Brigitte Schulte-Fortkamp)
- Student Design Competition (Bob Coffeen, Byron Harrison, Norm Philipp)

A joint session with Noise, “NRC Contributions to Building Acoustics” (Dana Houglund) will be held as well. A previously proposed special session on “Microperforated Materials” (Christian Nocke, Ning Xiang) will be pushed to a future meeting (probably Providence).

Minneapolis, joint with NOISE-CON (October 17-21, 2005) – Bruce Olsen announced that the meeting will take place on October 17th – 21st, and not on the incorrectly published dates in the JASA program. Bruce Olsen and Dave Braslau have volunteered to represent AA at TPOM. Joint sessions with NOISE-CON will be held on Monday through Wednesday of the week, and authors will be required to submit a 4-8 page paper. Special session plans for Minneapolis must be finalized at this meeting. The following special sessions are moving forward:

- The Safety of Acoustical Products (Nancy Timmerman, Jeff Szymanski) – joint with NOISE-CON
- Indoor Noise Criteria (Erica Bowden) – joint with NOISE-CON
- Plumbing Noise (James Phillips) – joint with NOISE-CON
- Special Session in Honor of Cyril Harris
- Comparison of US and International Acoustic Standards in Architectural Acoustics (David Marsh) – joint with ASACOS
- Speech Privacy in Buildings (Ken Roy)
- ISO 3382 and Electroacoustics Measurement Workshop (Peter Mapp, Bob Coffeen)
- Healthcare Noise Control Issues (Ilene Busch-Vishniac, Jim West) – proposed through TCN

Providence – The Spring 2006 meeting is currently slated to include a special poster session on “Worship Spaces”, and special sessions on “Libraries” and “Microperforated Materials”.

Other future meetings include: Hawaii (Dec. 2006), Salt Lake City (Spring 2007) and New Orleans (Fall 2007... most likely to be held Tues.-Sat. after Thanksgiving)

9. Technical Initiatives – Reports and Renewals.

Travel Funds for Invited Speakers – Murray Hodgson, Nancy Timmerman and Erica Bowden expressed an interest in travel funding for invited speakers to the special sessions they’re organizing in 2005. They were instructed to contact the Chair following the meeting.

Student Awards – TCAA currently receives \$750 annually which goes toward supporting the Student Design Competition. Some students have expressed an interest in having a TCAA Student Paper/Presenter award as well. Red Wetherill moved to initiate a TCAA student paper/presenter award with a monetary prize. Neil Shaw amended the motion to stipulate a \$250 prize for up to two presenters. The motion was seconded by Red. There were no objections to the motion. During the discussion, John Erdreich suggested that the competition be open not only to students, but to young professional presenters, similar to the one offered by TCN. Others suggested that the prize be split: one award to a young

presenter, and one to a current student. After some additional discussion, Charles Schmid suggested that the TC adopt a policy consistent with the presentation awards found in other TCs. Red Wetherill restated the motion to be for a student paper award, consistent with the selection policies of other ASA TCs, for up to two winners with a cash prize of \$250. The motion was seconded by Bruce Olsen. The motion passed unanimously. [The first one of these will be offered in Minneapolis Fall 2005 – the Chair is looking for volunteers to be on the Paper Award Selection Subcommittee]

AIA Certification – In order for TCAA to receive AIA certification, presentation materials must be submitted along with the \$500 fee. Tony Hoover has agreed to track down the existing and previous materials and begin to condense them into a one hour talk on the general AA topics of interest. Several volunteers expressed an interest in contributing to the effort and were asked to contact Tony directly (thoover@cavtocci.com).

Outreach for Classroom Acoustics – No funds were spent in 2004; Red Wetherill suggested that \$2000 be requested again in 2005 and directed toward efforts that are defined out of the recent brainstorming sessions run by Lou Sutherland and David Lubman. There were no objections to the suggestion.

Lesson Plans for Education in Acoustics – No funds were spent in 2004; \$1000 is being requested to develop these modules for K-12 students. The initiative is being organized by Neil Shaw and Mendel Kleiner.

10. New Business.

Greg Tocci spoke about HIPAA requirements regarding aural privacy in patient care and records. He reports that to date, there are 5000 legal complaints and 140 legal judgments in the legal system surrounding the overall HIPAA requirements, though none concern aural privacy issues. ASTM test method E1130 is addressing the measurement of privacy for closed offices (the standard currently addresses open plan environments). Greg moved to form a technical subcommittee, joint with TCN, on the topic. Bruce Olsen seconded the motion. There were no objections. Greg Tocci will serve as the chair of the subcommittee. Those interested in working with this group should contact him directly (gtocci@cavtocci.com).

ISO 3382 on Measuring Reverberation Time is currently under revision. A draft of Part 1 for Performance Spaces is in place, and Part 2 for Ordinary Rooms is being reviewed. Please contact Jens Holger Rindel for more information (jhr@oersted.dtu.dk).

Michael Vorländer invited all TCAA members to attend Forum Acusticum 2005 in Budapest, Hungary, 29 Aug – 2 Sep 2005. As President of the European Acoustics Association, Vorländer suggested that the technical committees within our two societies collaborate and support each other. More information about the EAA Technical Committee on Room and Building Acoustics can be found at <http://www.eaa-fenestra.org/TCs/RBA>

11. Adjourn. Lily Wang moved to adjourn, each and every member seconded. Meeting adjourned 9:12 PM