

MINUTES

(revised 19 Nov 08)

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS

ASA

Tuesday • 11 November 08 • 7:30p.m.

Miami

156th Meeting of the Acoustical Society of America

I. Welcome and Introductions

The meeting was called to order by Brandon Tinianov at 7:32 pm with 84 members and guests in attendance, including 20 new students and first-time attendees. Welcome!

II. Previous Minutes

The minutes of the previous meeting, held in Paris France, were unanimously approved without revision.

III. Acknowledgements

Thanks to the many who mad this meeting such a great success:

- General Chair: **H.A. DeFerrari**
- Technical Program Chair: **D.R. Palmer and E.I. Thorsos**
- TPOM Representatives: **Gary Seibien**
- Session Chairs: **Michael Yantis, Bill Dohn, Dick Godfrey, Nancy Timmerman, Ang Campanella, Scott Pfeiffer, Molly Norris, Dana Hougland, Dave Woolworth, Damian Doria, Bill Cavanaugh, Brandon Tinianov, David Lubman, Louis Sutherland.**
- All paper presenters!

IV. Congratulations!

Three cheers were heartily sung for our new ASA Fellow: **Marshall Long**

An uncountable number of cheers and salutes celebrated the well-earned awarding of the **SILVER MEDAL** to **JOHN BRADLEY**

V. ASA Chair's Report

1. ASA Technical Council Items

- TPOM representative for the Portland Meeting is David Bradley.
- Please note that among the many events at the upcoming Portland, OR meeting, there is strong emphasis on music and materials.
- Note that the April 2010 meeting (Baltimore) is proposed to be joint with INCE (NoiseCON)

- A handcount for the following international locations is requested. The next international meeting won't be for another four or five years, but member interest is to be assessed. You may indicate an interest in more than one:
 - India-Madras: 27 OF 84 = 32%
 - China: 34 OF 84 = 40%
 - Hong Kong: 43 OF 84 = 51%
 - Singapore: 40 OF 84 = 48%

- Reminder that Innovative Project Proposals are due December 15th 2008. Contact with the reviewers is encouraged – their email addresses are available in the guidelines. Donna Neff is chair of committee. Feel free to bounce ideas off of Brandon Tinianov to help develop ideas if you like. Though Lily Wang is on this committee and will review submissions, she is obligated to offer only logistical help through the deadline date.

- Reminder that all paper presenters are encouraged to submit to POMA. New rules include:
 - V. submission prior to presentation is okay
 - VI. the \$100 paper fee is waived as voted by Exec Council.
 - VII. Paris is still open to submit.
 - VIII. Time window will likely close one year from the paper's associated conference, so a prompt followthrough is appreciated.

- Discoveries and Breakthroughs in Science – ASA is a significant (and growing sponsor) and we have an opportunity to highlight interesting aspects of acoustical activity. We need 10 terrific stories. Send them to [.aip.org/dbis](mailto:mheil@aip.org). Martha Heil (mheil@aip.org) reports:
 - V. The goal is to create 90 second segments on breakthroughs and discoveries in science that are related to daily life, affecting the life of the layperson (not just scientists), with broad national appeal
 - VI. Send ideas to Martha Heil
 - VII. Viewership of 43MM per month! Plus some 30MM on the web, and another 30MM internationally.

- A proposed satellite meeting with topic of appeal to ASA members and people not normally active in ASA (n.b. Audio Engineering Society) is under discussion. An informal dialog is underway among Charles Schmidt, Ning Xiang, Tony Hoover, Damian Doria, Bruce Olson, and Alex Case. Offer ideas and indicate your interest to help to any of them. Current form of the meeting is: “From Instrument to Ear -- Room Acoustics,

Electroacoustics, Psychoacoustics, Signal Processing, and Production Craft for the Creation and Enjoyment of Sound Recordings.”

- The maximum allowable Technical Initiative for travel compensation for distinguished lecture has been raised from \$1000 per presenter to \$1250.
 - Opinions and Discussion regarding Acoustics Today and Echoes.
 - Do you regularly look at Acoustics Today?
 - 3 of 84 (3.6%) don't
 - Do you regularly look at Echoes
 - 8 of 84 (9.5%) don't
 - Regarding paper copies Acoustics Today (v. electronic)?
 - Prefer papers 76 of 84 = 90%
 - Regarding paper copies of Echoes
 - Prefer papers 50 of 84 = 60%
 - Would you like the *option* of receiving these electronically
 - Yes: 25 of 84 = 30%
 - Discussion:
 - Martha Heil points out that there is one other option to consider: mail a postcard reminder to read the electronic version, rather than abandon in-the-mail paper document entirely.
 - Dave Conant suggests that, if such a card were used, it would be much more valuable if it included the table of contents.
 - Courtney Burroughs reports that the Intersociety Activities Committee met for the first time today. The mission is to find ways for the ASA to better cooperate with other societies on technical issues of mutual interest. If you want to participate, let Courtney know.
 - Courtney Burroughs (unwilling to let go of the microphone) also reports that individual INCE conference papers are free for ASA members (with AA and/or NS discipline designation) to download. Please visit <http://incedl.org/> for more.
 -
2. Comments on this meeting were offered by the membership of this committee:
- Dave Conant reports that sessions and papers have gone well and that the rooms are good (expect a hefty invoice for that analysis!).

VI. ASA Committee Reports

1. Medals and Awards (Red Wetherill, Dave Lubman)

David Lubman reports: We are proud to have secured Barry Blesser as our distinguished Lecturer

2. Membership (Ron Freiheit)

There have been a number of new members joining the ASA that have selected Architectural Acoustics as their prime interest. These have come from students entering the professional field as well as existing professionals in the field joining ASA.

A number of members from the Architectural Acoustics area are in review for Fellowship as well. As a reminder to Fellows, please consider colleagues that are deserving of this recognition. If there are questions about the process, please contact the ASA or myself.

3. Standards (Angelo Camenella, George Winzer)

- Angelo Campenella has replaced George on this subcommittee.
- Every ASA member gets 5 free standards per year. Use 'em or lose 'em, following the calendar year.
- S-12-2 has just been revised and reissued.
- Classroom acoustics is forming a working group on mobile classrooms, computer equipment, and other special topics that have come in.
- E-336 feild transmission loss standard have also been updated.

3. Student Council (Lauren Ronsse)

- We are looking for demos for high school experiments, demonstrating basic science and stimulating interest in acoustics. We also seek volunteers to give demos as they come together. See me if interested.
- Grant writing volunteers are needed for Portland meeting. See me.
- Please note that at the upcoming Portland meeting, Ning Xiang and Allan Pierce are chairing a session on writing for JASA and JASA-EL.

4. JASA and JASA-EL (Ning Xiang, Lily Wang)

- Associate Editor Lily Wang reports that for submissions to JASA that she has seen, they have accepted 1, rejected 8, with 10 more still pending.
- Ning Xiang estimates that we receive about 45 submissions per year in Architectural Acoustics, but only 20 so far this year, with 2 acceptances, 8 rejections, among decisions so far. He also estimates that typically, we average about a 50% acceptance rate.
- For JASA-EL, we have 5 submissions this year, expect about 50% will be rejected.

5. POMA (Ralph T. Muehleisen)

- So far, 5 of 5 have been accepted (after necessary minor revisions).
- POMA is as straightforward as possible, by design: After writing your excellent paper for presentation at this or any ASA meeting (since Paris), re-write it in prose style, and submit to POMA. It is perfect for practical, consultative work – an underpublished hallmark of TCAA.
- Please note: POMA is in addition to the still used (and much-encouraged) online paper publishing service that is a part of every ASA meeting.

VII. ASA TCAA Subcommittee Reports

1. Newman Student Award Fund Update (Bill Cavanaugh, Carl Rosenberg)
 - Bill Cavanaugh reports that the Newman Award Fund has been promoting the teaching of architectural acoustics for 25 years!
 - The Ted Schultz Grant is awarded every two years as needed, 9 or 10 having been awarded since its inception.
 - For more information, the newsletter, and the annual report, please visit: <http://newmanfund.org/>
 - Lastly, special thanks to Wenger Corporation for their ever-generous support.

2. Concert Hall Research Group Update (Bill Dohn, Michael Yantis)

CHRG plans to run a summer institute in Seattle in late July or early August, 2009 instead of the previously announced target of 2010. Announcement and details soon – expect invitations in the Spring. Get applications from Michael Yantis (myantis@sparling.com)

3. Classroom Acoustics Update (David Lubman, Lou Sutherland, Bob Coffeen)

The effort to develop two new booklets on Classroom Acoustics, one for educators and the other for architects, is still moving ahead. Bob Coffeen asked to be relieved of chairing an editorial panel for the booklets due to a heavy academic and administrative work load. A replacement has not been found but a plan to develop the booklets was presented to the Public Relations Committee at the suggestion of Allan Pierce. They indicated willingness to assist in some of the steps, primarily in helping identify writers and with publicity after publication. An outline for the booklet for Architects has been drafted by David Woolworth and a similar outline for the booklet for educators will be initiated.

It is a pleasure to report that the classroom acoustics standard ANSI S12.60-2002 is increasingly being incorporated into US school architecture. However, resistance to its implementation in LEED for Schools has emerged. Some architects balk at the cost of meeting ANSI's sound insulation requirements in LEED for Schools. Those voices were louder and more numerous than those of ANSI proponents. Consequently,

there is pressure to reduce the sound insulation requirements in LEED for Schools. Another undesirable trend is the use of sound field amplification as a substitute for noise control. Again the motive is cost reduction, since noisier HVAC is cheaper. The adverse learning consequences of higher noise levels is ignored. A result is that good acoustics (low background noise) competes directly with sound field amplification for school dollars. To counter this pressure, it is vital that proponents of S12.60 be heard by the Green Building Council. An opportunity for public comment to proposed changes will open in January 2009. We will provide timely information for comment.

4. Noise control in multi-family housing booklet technical initiative
Received 3 thoughtful, strong proposals – thanks for the interest. We have awarded the TI to Michael Ermann and his team.
5. Acoustic Product Safety Group (Nancy Timmerman)
Subcommittee has not met and has nothing to report. Please note that the Miami meeting had a TCAA/TCN joint special session entitled: Fire Codes and Acoustics.
6. Acoustic Data Working Group (Ken Roy)
Nothing to report.
7. Another Two Decades of Drama Theaters (David Bradley, Erica Ryherd Michelle Vigeant)
 - As of the Fall meeting of the ASA in New Orleans, the subcommittee has changed membership and leadership
 - The new subcommittee: David T. Bradley, Erica Ryherd, and Michelle Vigeant
 - Greg Miller and Robin Glosemeyer have stepped down from the committee
 - The new subcommittee has reviewed the previous work and plans to continue with the project with some modifications to the previous vision.
 - Current vision for the new Theatre Book:
 - Focus
 - The book will now focus on 25 years of drama theatre acoustical design
 - This timeline is commiserate with the timeline of the previous *Theatres for Drama Performance* book (1987), which spans the years of 1962-1985
 - The new book will cover the years 1985-2010
 - New working title: *Theatres for Drama Performance: 25 Additional Years of Acoustical Design*
 - If possible, the subcommittee would like to change its name to the Theatre Book Subcommittee in light of this change in focus

- A large number of the theatres featured in the new book will be drawn from the poster session at the New York (2004) meeting of the ASA – Architectural Acoustics: Theaters for Drama Performance: Another Two Decades (1984-2004)
 - A request for additional drama theatres will be sent to the TCAA membership
 - Timeline
 - The subcommittee is meeting with the Books + committee in Miami
 - Anticipated publication date: 2011
 - Regarding the possibility of a similar book on Worship Spaces, Books Plus encourages this committee to move it forward in parallel rather than wait for the completion of this one.
8. Joint Subcommittee with Noise on Speech Privacy (Greg Tocci) Nothing to report.
 9. TCAA Student Paper Award – Results from Miami (Alex Case)

Congratulations to first place co-recipients **Robert M. Tanen & Jonathan C. Silver** of the University of Hartford and second place recipient **Linda Gedemer** of Rensselaer Polytechnic Institute. They earned the highest praise from our judges! Thanks to the many members who thoughtfully offered their feedback. Major thanks also to the Award’s sponsor, Wenger Corporation and Ron Freiheit.
 10. Subcommittee on Green Building Acoustics (Ralph Muehleisen)

The subcommittee is staying alive through a small amount of email churn. Join in using asa-gba-request@acousticsweb.com.
 11. Student Design Competition (Bob Coffeen)

The 2009 Student Design Competition will take place during the 157th Meeting of the Acoustical Society of America in Portland, Oregon, held from 18-22 May 2009. Those who are students in the 2009 academic year will be eligible to participate. We expect the announcement and design scenario to be available soon, but please note that the emphasis is on content and analysis, less on pleasing design/presentation visuals.
 12. Proposed subcommittee on building performance research and standards guidance (Ken Roy) Nothing to report.

VIII. ASA Technical Initiatives – Updates and Renewals

1. Website Maintenance is preapproved at \$300.
2. Travel funds for Invited Speakers preapproved at \$1500.
3. Student paper awards preapproved at \$1000.
4. Knudsen Lecture: \$1000

5. MOTION by Lou Sutherland for \$2500 for the creation of two publications suitable for paper and electronic distribution on Classroom Acoustics
2nd by David Woolworth

VOTE: Passes unanimously

6. MOTION by Tom LaPage for \$1500 for Acoustics Jam in Portland.
2nd by Bruce Olson

Brandon Tinianov notes that it has been a great success. Lily wang worries that this is a misapplication of a technical initiative. Could we sell tickets, or get sponsorship like NCAC does for student reception. Dave Conant wonders if NCAC might be a willing sponsor. Russ Berger can't commit to that without speaking to the board of NCAC, and indicates he will do so before any future Jam sessions. David Bradley suggests that a modification might be made to the event to make it a technical event (e.g., manufacturers and designers might discuss and demonstrate systems in situ before Jam).

Vote: FOR = 33

AGAINST = 21

TI PASSES

IX. New Business

1. There will be an interdisciplinary Symposium in Berlin, Jan 29 to 31, 2009 "Soundscapes – Concepts, Approaches, Analysis, and Applications. Contact organizing committee with ideas, proposals, and offers of support (Daniele Dubois, Brigitte Schulte-Fortkamp, Hugo Fastl, and Beat Hohmann)
2. Inter-Noise 2009 will be in Ottawa, Canada, 23-26 August 2009. Special session on Test Facilities may be of particular interest to TCAAers.
3. The EAA Symposium on Auralization will be held June 15-17, 2009 in Espoo, Finland. The call for papers is out. More information at <http://auralization.tkk.fi/EAA Symposium09>
4. There will be a Habitat For Humanity initiative in Miami, drawing on the success of New Orleans, though no Technical Initiative is needed from this committee. See Brandon Tinianov for information on this and future such events.

X. Planning of Future Meetings

1. Please note firm dates and revised locations for future ASA Meetings
 - Spring 2009 meeting, Portland, OR (May 18-22, 2009)
 - Fall 2009 meeting, San Antonio, TX (October 26-30, 2009)
 - Spring 2010 Baltimore, MD (April 19-23, 2009)
2. Portland, OR Special Sessions. (Spring 2009, May 18-22)

Please note, it is a new ASA policy that the Technical Program be set with a one-year lead time. So Portland is already *finalized*. San Antonio is to be *finalized* at this meeting of TCAA (see below). Come to Portland ready to lock-in your ideas for Baltimore in April 2009.

- Dave Bradley – Measurements And Modeling of Scattering Effects
 - Bob Coffeen – Computer Auralization
 - Ken Roy – Acoustics of Health and Healing Environments
 - James Phillips - Mechanical Equipment In Multifamily Dwellings
 - Steve Pettyjohn – Acoustics of Mixed Use Buildings
 - Bob Coffeen – Outdoor Performance Spaces
 - Dave Woolworth –SPL, Loudness and Room Acoustics
 - Lily Wang (joint with Noise, ASACOS) - Indoor noise criteria
 - Brandon Tinianov / Ralph Muehleisen (joint with Noise)– Acoustics of Green Buildings
 - Brandon Tinianov / David Sykes (joint with Noise)– Acoustics of Green Buildings: A 360° panel discussion
 - Brigitte Schulte-Fortkamp – Soundscapes
 - Ning Xiang / Allan Pierce – Preparing JASA and JASA-EL Articles
 - Boaz Rafaely and Ning Xiang – Multi-Channel Systems In Room Acoustics
3. San Antonio, TX Special Sessions (Fall 2009, October 26-30)
- Scott Pfeiffer – Acoustics & Theatre Consulting: A Special Relationship
 - Dave Woolworth –SPL, Loudness And Room Acoustics
 - Doug Winker – Acoustic Test Facilities: Design Qualification And Testing
 - Doug Winker – Tour Of ETS-Linderen Lab In Austion (1 Hour Drive Each Way)
 - Ian Hoffman – Biggest Mistakes: Lessons For Practioners, Researchers, And Young Designers (Tentative Title: “What Happens In San Antonio Stays In San Antonio, Except For The Whole POMA Thing”)
 - Molly Norris – Space For Experimental Media And Spatial Sound Reproduction
 - Kenneth Good & Pam Harght – Classroom Acoustics: New Design Approaches, Successes And Failures
 - Ron Sauro – Absorption, Scattering And Diffusion: Myths, Facts, And Misconceptions

- Lou Sutherland, David Lubman, & Ken Good – Classroom Acoustics, An Update
4. Baltimore, MD (Spring 2010, April 19-23)
- Norman Philipp – Case Studies And Applications Acoustics And Their Integration To BIM 3-D Modelling
 - Peter D’Antonio – Scattering, RPG Tour
 - Bob Coffeen – Primary And Secondary School Special Function Spaces (Auditoria, others?)

XI. Meeting Adjournment

The meeting was adjourned on the same day it began: 9:29pm