

## MINUTES

ACOUSTICAL SOCIETY OF AMERICA  
TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS  
Honolulu, Hawaii, November 29, 2006

Chair: **Lily Wang**

Secretary: **Brandon Tinianov**

The meeting was called to order at 7:40 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 given to attending students and to first time meeting attendees.
2. Approval of Minutes. The minutes of the previous meeting were approved with one correction.
3. Acknowledgements. The committee would like to thank the following for their work on their work on the Honolulu meeting: General Chairs Whitlow Au (ASA) and Sadaoki Furui (ASJ); Technical Program Chairs Anthony Atchley (ASA) and Yoiti Suzuki (ASJ); TPOM Representatives: David Adams (ASA) and Hiroshi Sato (ASJ); Session Chairs: David Adams, John Bradley, Toshiki Hanyu, Kirill Horoshenkov, Greg Miller, Daniel Raichel, Ken Roy, Akira Omoto, Toru Otsuru, Kimihiro Sakagami, Shin-ichi Sakamoto, Tetsuya Sakuma, Hiroshi Sato, Fumiaki Sato, Juergen Schroeter, Brandon Tinianov, Boaz Rafaely, Jason Summers, Kanako Ueno, Michelle Vigeant, Lily Wang and Ning Xiang. Also, thanks to all paper presenters.
4. Congratulations. Sincere congratulations to New ASA Fellows: Sergio Beristain, David Conant, Anders Christian Gade, Michael Vorländer; ASA 2006 Wallace Clement Sabine Award: Bill Cavanaugh; and the 2006 NSCA Educator of the Year: Bob Coffeen.
5. Chair's Report on Technical Council Items.

The Chair reported on a few technical council items including the following:

There is a request for ideas to generate "Physics Success Stories" (sponsored by AIP) in Architectural Acoustics to use in lobbying Capitol Hill. See Lily Wang for more information.

Panel on Public Policy (POPP) is now officially a standing committee. They are looking for feedback from members on new initiatives they should pursue.

Providing continuing education credits for attendance at ASA meetings – is there interest for this service? The general consensus was yes, but there was no resolution on how such credits would be administered.

ASA Webpage is in the process of being improved. What are other exemplary professional society websites that members like? Attendees mentioned NCAC, AES. Negative examples were ASME. Members mentioned that fellowship position postings should be free on the "jobs" page.

Vision 2010 – looking to Technical Committees to implement recommendations. It was reviewed in the recent issue of Acoustics Today.

A few comments on the existing meeting were given. The two of note were that the immediate post-Thanksgiving timing was terrible. If the New Orleans meeting does need to follow Thanksgiving, then it should be Tuesday thru Saturday. A second positive comment was that the quality of the papers has been very high.

6. ASA Committee Reports.

*Medals and Awards* (Red Wetherill) – Nothing to report.

*Membership* (Greg Tocci) – Nothing to report.

*Standards* (Bob Hellweg) – Bob reported that next year, members will be allowed to download 5 standards each year for free. This is a new membership benefit.

*Student Council* (Michelle Vigeant) – The Council is seeking nominations for the 2<sup>nd</sup> Mentor award which will be announced at the New Orleans meeting Fall 2007. Also, the Student Council website now has a location for Fellowship position postings.

*JASA/JASA Express Letters* (Mendel Kleiner and Ning Xiang) – Ning noted that 40+ papers have been submitted to the Journal by the TC. Congratulations and thanks for the timely reviews. Quick turnaround helps the impact factor for the Journal. It has been decided that JASA CDs will be shipped at intervals longer than every two months. The topic was discussed and put to a vote. The membership voted: 7 votes for 1x per year, 20 votes for 2x per year, and 17 votes for 4x per year.

*Books+* There was discussion regarding the proposed book, *Acoustic of Worship Spaces*. Also online advertising of ASA Books (<http://books.google.com>) and selling of ASA books online (Amazon, etc.) is being considered or pursued.

7. TCAA Subcommittee Reports.

*Newman Student Award Fund* (Bill Cavanaugh) – Bill reported a successful transition of the organization from a regional chapter to the national level ASA. There were 9 Newman medals awarded this year. He continues to encourage new nominees.

*Concert Hall Research Group* – Bill Dohn announced that this summer's event was a success with 60 professional attendees and 16 students. A report summarizing the event is attached.

*Classroom Acoustics* (David Lubman) – Dave reported that the National Research Council has endorsed the ANSI standard for adoption into proposed green schools. USGBC had a draft standard for LEED school projects distributed in August.

*Subcommittee on University/Consultant Partnerships for Research* (Paul Calamia) – Nothing to report. This subcommittee is seeking a new chair. (One member mentioned that Bob Collier may be a good choice.)

*Acoustics Product Safety Working Group* (Nancy Timmerman) – Nothing to report.

*Acoustic Data Working Group* (Ken Roy) – Ken reported that the project is again active. They have 4+ databases that they are confirming and reconciling.

*Another Two Decades of Drama Theaters* (Robin Glosemeyer Petrone) – Robin reported that they are moving forward ASAP. An email to the committee and original contributors will be sent, asking for final papers. Final approval by Books+ will occur at the next meeting.

*Joint Sub-Committee on Speech Privacy* (Greg Tocci) – Nothing to report. There is a meeting on Thursday.

*Student Paper Competition* (Brandon Tinianov) - Congratulations to the student winners from the Providence ASA meeting: first place recipient Lauren Ronsse (University of Kansas), and second place recipient Zuhre Su (RPI)!

*Subcommittee on Green Building Acoustics* (Ralph Muehleisen) – Interested members are directed to the following website:

[https://tech.groups.yahoo.com/green\\_building\\_acoustics](https://tech.groups.yahoo.com/green_building_acoustics)

8. Planning of Future Meetings.

- Salt Lake City, June 4-8, 2007
  - Tim Leishman is Technical Program Chair.
  - Short Course on Architectural Acoustics to be given by Tony Hoover.
  - Bruce Olson volunteered to be the TCAA TPOM representative, on February 16-17, 2007.
  - Suggested special sessions:
    - Effects of rooms on the sound of organs (Bruce Olson, Tim Leishman)
    - In situ measurements of absorption coefficients (Peter D'Antonio, Christian Nocke)
    - Invited Knudsen Lecture by Emily Thompson, 2005 MacArthur Fellow (Lily Wang)
    - Speech privacy (Kenneth Good, Jr.)
    - Troubleshooting in room acoustics (Robin Glosemeyer-Petrone, Tim Leishman)
    - Student Design Competition (Bob Coffeen, Byron Harrison, Norm Philipp)
    - Workshop on Presenting TCAA AIA CEU Materials (Bennett Brooks, Tony Hoover)
    - Theater Crawl (Tim Leishman)
- New Orleans, Fall 2007 (Tues-Sat)
  - Acoustics of rehearsal facilities (Damian Doria)
  - Acoustics of single family residences (Dick Godfrey)
  - Interactions of sound systems and large rooms including stadia (Tim Leishman)
  - Special Session in Honor of Bob Gales, joint with Speech (David Lubman)
- Paris, joint with EAA, Euronoise and ECUA, Summer 2008
  - Michael Vorländer is General Chair (EAA).
  - Last day of meeting will be July 4, 2008.
  - Suggested special sessions? (Approximately 5-6 suggestions from ASA for now...these will be coordinated with the EAA)
    - Coupled volume acoustics (Ning Xiang)
    - Electroacoustics in listening rooms (Jiri Tichy)
    - Opera houses (Robin Glosemeyer-Petrone) – with tours

- Archaeological acoustics (David Lubman)
- Impact and footfall noise (David Braslau)
- Low frequency absorption (Peter D'Antonio)
- Comparison of US and European standards in building/room acoustics (Ken Roy)
- Characterizing sound in rooms through measurements; or Specialized room acoustics measurements (out of the ordinary) (Tim Leishman) or New measurement parameters in performing arts spaces (Brian Katz)
- Student Design Competition

9. Technical Initiatives – Reports and Renewals.

*Outreach for Classroom Acoustics* – \$2000 for 2006; \$2000 for 2007. Lou Sutherland suggested that we ask if the ASA Foundation would be willing to support this cause. Lily said that she would pass the suggestion on to TC.

*Lesson Plans for Education in Acoustics* – It was suggested that this initiative be terminated. Ralph Muehleisen commented that the many of the plans taught by teachers are mandates by standards and are unable to be effectively altered..

*Website Maintenance (preapproved)* \$300.

*Travel Funds for Invited Speakers (preapproved)* \$1500 – The TC is seeking proposals from special session chairs for Salt Lake City and New Orleans meetings.

*Student Paper Awards (preapproved, ongoing)* \$1000.

*AIA Certification for Continuing Education* - (Tony Hoover) \$500 for 2006; \$650 for 2007.

*Development of Booklet on Methods to Improve Acoustics of Multi-Family Housing* (Brandon Tinianov) - \$1000 for 2007, initiative passed.

*Development of Workshop on Acoustic Design and Sound Reinforcement Systems in Meeting Rooms* - \$1000 for 2007, initiative passed. This workshop will take place possibly prior to the New Orleans meeting.

10. New Business.

*Technical Initiative for Emily Thompson* - Funds to Support Knudsen Lecturer Emily Thompson (\$1000 for 2007). Initiative passed.

Lou Sutherland suggested that we send get well cards to Mike Nixon. He is battling cancer and is in poor health. His address is: 2810 Urbandale Lane, Plymouth MN 55447. Cards are preferred over emails.

11. Adjourn. The meeting adjourned at 9:54 PM



26 October 2006

## **Concert Hall Research Group Third Summer Institute Held in Aspen, Colorado, August 2006**

Nearly 60 participants attended “CHRG Aspen” the Concert Hall Research Group’s Third Summer Institute in beautiful Aspen Colorado during the week of August 14-18, 2006. Participants included faculty members from the architectural, acoustical consulting, theatre consulting, and teaching professions, practicing acoustical consultants and architects, university students, and accompanying persons. The Institute was funded primarily by participants, but also with a generous contribution from the Robert Bradford Newman Student Award Fund, which allowed all 13 university students to attend the Institute free of charge. The textbook “Concert Halls and Opera Houses” by Leo Beranek was provided to participants with the help of the Leo Beranek, Bill Cavanaugh, and the Acoustical Society of America (ASA). The textbook “Acoustics” by Charles M. Salter Associates, Inc. was provided to university students by Charles M. Salter Associates. Advertising and marketing assistance was provided by the ASA Technical Committee on Architectural Acoustics and the National Council of Acoustical Consultants.

The clear air and magnificent views in Aspen proved invigorating, and the tradition of friendly networking, socializing, and sharing of information at CHRG summer institutes was continued. Institute Chair Carl Rosenberg “handled” the week-long event with his characteristic ease, charm, and good humor (and a ski pole which he frequently raised as a “warning timer” for faculty nearing the end of their allotted presentation periods). Past summer institute coordinators Bill Cavanaugh and Tim Foulkes (CHRG Tanglewood, 1999) and Chris Jaffe and Robin Glosemeyer (CHRG Saratoga Springs, 2003) joined the Institute as invited VIPs and faculty.

Faculty members Jack Bogan, Bob Coffeen, Tim Foulkes, Dana Hougland, Chris Jaffe, Larry Kirkegaard, Vance Larson, Ron McKay, Chris Savereid, David Schwind, Gary Siebein, Rick Talaske, Harry Teague, George Wilson, and Michael Yantis presented material supporting two general concert hall design themes – variable acoustic design and special design for sound isolation and noise control. In addition to “classroom” study, participants toured three concert halls and attended multiple concerts and rehearsals at the Aspen Music Festival and School. On Tuesday morning, architect Harry Teague led tours his projects, the Harris Concert Hall (along with project acoustician David Schwind) and the Benedict Music Tent (along with project acoustician Dawn Schuette). On Tuesday evening, participants attended a recital by Apollo’s Fire in the Harris Concert Hall in Aspen. On Wednesday afternoon (after a bus ride through magnificent Glen Canyon Preserve), project acoustician Ron McKay and project theatre consultant Jack Bogan led a tour of the Vilar Center for the Arts in nearby Beaver Creek, where the performance space is located directly under an ice-skating rink (with obvious sound isolation challenges). On Thursday night, participants attended a concert by the American String Quartet at the Benedict Music Tent in Aspen.

**Concert Hall Research Group Third Summer Institute**  
**Page Two**



CHRG Aspen introduced a number of “new features,” including presentations of listening notes, a design challenge, and a formal accompanying persons program. On Wednesday morning and Friday morning (after each of the previous evening’s concerts), a panel of participants presented their impressions of each musical performance, spurring lively discussions. On Wednesday morning, small groups of faculty, professionals, and students participated in “The Robert Bradford Newman Student Award Fund Design Challenge,” planned and orchestrated by Bob Coffeen and Gary Siebein on the subject of (not surprisingly) performance space / concert hall design. At the end of a two hour design charrette, each team’s sketches and written results were taped up on windows around the meeting room and team leaders were given time to present their impressive results. After these presentations, it became obvious to the coordinators that all teams had to be declared “the winners.” For accompanying persons, there were less serious and fewer “ski-pole-regulated” activities planned throughout the week. Some of these folks actually came to Aspen without concert hall design as their primary focus (imagine!), and a series of tours, walks, meals, shopping excursions, and socials (arranged by accompanying person coordinator Gale Kordowski) proved much more interesting to them.

After the first CHRG Summer Institute, participant David Egan wrote a follow up report for the JASA in which he mentioned: “It is anticipated that future institutes will be organized in the years ahead to build on the enthusiasm and student-researcher-consultant-architect links established during CHRG Tanglewood 99.” David was correct. All three of the CHRG summer institutes have generated “enthusiasm” in the field of concert hall design, testing, and evaluation, and many, many “links” (aka friendships) have been generated. As at CHRG Tanglewood and CHRG Saratoga Springs, the key to success at CHRG Aspen was participation, and the coordinators wish to thank all participants and sponsors for contributing their time, resources, and enthusiasm to the Institute.

Planning for the *fourth* CHRG Summer Institute (2009 or 2010) is already under way. Locations on the West Coast, in the Chicago area, and in Europe have been proposed and are under consideration, as are possible “themes” for the Institute. Anyone interested in helping to plan or coordinate (or in attending) the next institute should contact Bill Dohn at the addresses or phone number below.

Bill Dohn  
CHRG Aspen Coordinator  
Dohn and Associates, Inc. Acoustical Consulting  
551 Embarcadero, Suite A  
Morro Bay, CA 93442  
bill.dohn@gte.net  
(805) 771-8434