

## **ACOUSTICAL SOCIETY OF AMERICA**

171st Meeting

Salt Lake City, UT

TC Noise Meeting Agenda

Thurs, May 25 2016, 7:30 p.m.

Salon H

William J. Murphy, Chair

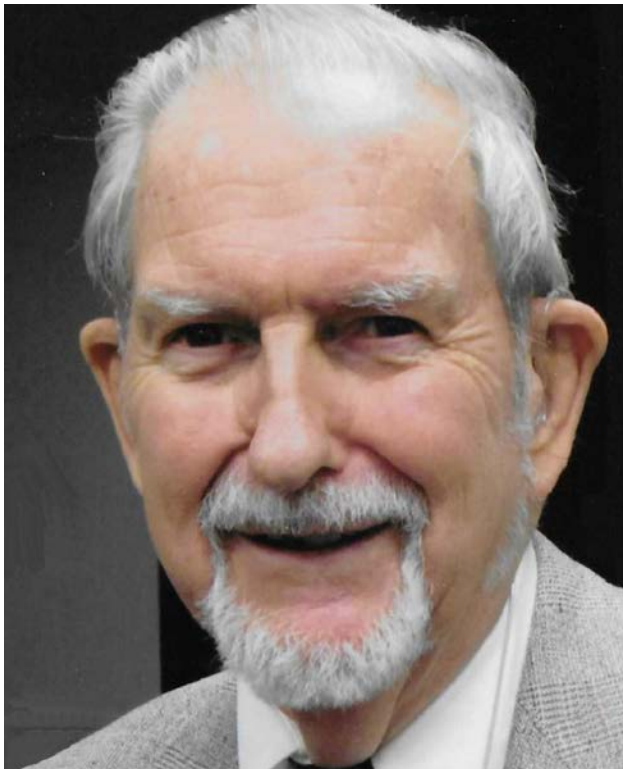
### **1. Welcome to members, guests, students**

- Please mark attendance list and verify your contact information
- Submit abstracts starting 6 June  
TPO for Hawaii – James Phillips, William Murphy  
Streaming sessions – checkbox for approval to stream talk  
Written paper not required, but strongly encouraged

### **2. Minutes from Jacksonville: corrections, approval**

### **3. Incoming Appointments**

- Outgoing Student Council Representative: Matthew Blevins
- New Student Council Representative: Jonathan Weber



### **4. Lou Sutherland 1926-2016, Complete obituary will be in Acoustics Today.**

Louis C. Sutherland, a fellow of the Acoustical Society of America (ASA), passed away on February 23, 2016. Lou was one of the longest serving members of the international acoustics community and one of the most prolific. In a career lasting over 60 years his main areas of research involved studies of human and structural response to noise, sonic boom and blast, but his contributions to the fields of acoustics and vibration have been much more diverse and have included topics such as atmospheric absorption, aircraft noise measurement and modeling, low-frequency noise, classroom acoustics, and acoustic testing.

Thank you Ben Sharp and Alan Sutherland.

## 5. Reports

a) Membership Report (Alex Case):  
New Fellows introduced at this meeting:

Kent Gee – For contributions in jet noise and nonlinear propagation.

Christine Erbe – For contributions to the effects of anthropogenic noise on marine mammals

b) Medals & Awards (Ken Cunefare): If any suggestions for possible nominations (Gold Medal, Silver Medal, Lindsay Award), let Ken know if you have a Noise candidate for Lindsay award

Susan Blaeser – Recipient of Distinguished Service Citation for dedicated management of the Acoustical Society of America standards program

Whitlow AU – Recipient of the Acoustical Society of America Gold Medal for contributions to understanding underwater biosonar and for service to the Acoustical Society.

c) Leo & Gabriella Beranek Scholarship in Architectural Acoustics and Noise Control Committee: Leo & Gabriella Beranek, Ken Goode Jr., William J Murphy, Tony Hoover, Damian Doria.

Application, recommendation forms and eligibility criteria have been developed. The winner for the 2016 award has been selected and the announcement will be forthcoming from ASA following Executive Council approval. I believe that the presentation will be made next fall at Honolulu. But the student should be notified following this meeting.

d) Young Investigators Awards (Bill Murphy):

- Need someone to step up and manage this for the Honolulu and Boston Meetings.
- Awards from Jacksonville
  - i. Matthew Kamrath
  - ii. Brenna Boyd
  - iii. Matthew Calton
- Young Investigators for Salt Lake City
  - i. 13 papers that are being presented and evaluated for this meeting.
  - ii. I appreciate the assistance and willingness to judge.
  - iii. Need judges for the Friday morning 5aNS session.
    - a. Paul Schomer, Scott Sommerfeldt
  - iv. Would like to ask that the Young Investigator Awards publish their talks in POMA.

e) Student Council (Jonathan Weber): Welcome students

f) Education Committee (Bill Murphy)

- Exec Council approved the hiring of a full-time Education and Outreach Coordinator. Applications were accepted and phone interviews were conducted. Two finalists for the position have been identified and will be interviewed in Melville next month.
- EdComm has an outreach to develop a booth initiative where Educational Acoustics content can be displayed at conferences and help to develop better outreach for acoustics.
- Voting for the ExploreSound.org logo competition is closed.



- SMMFL: Students Meet Members For Lunch. In Jacksonville 14 students participated, in Salt Lake, 53 students participated.
- EdComm is considering developing Massively Open Online Course (MOOC) for Acoustics Education. Here are a few ideas that I have
  - i. Hearing Loss Prevention at Work and at Play
  - ii. Noise Control for Dummies and Acousticians
  - iii.

g) ASA Strategic Plan (Lily Wang) Mike Stinson

- The Society has published their strategic plan. There are pages and cards that describe the overview that were available for the Salt Lake Meeting. If you have noticed the proliferation of origami cranes, that is part of the branding for the plan and helping us to expand the outreach and effectiveness of the Acoustical Society as we move forward in the mobile connected environment.

See pamphlets/brochures

h) ASA Public Policy (Ken Roy)

Wind Turbine noise policy, deciding next step

Advocate for research on affects

1. Put together talking points
2. Approach DOE and NIH to do workshop
3. ASHRAE research money
4. Talk with Neil Snyder from ??

Restaurant noise standards

Special session in Boston

New global initiative IAQ global alliance, ASA has opportunity to join

Policy statement for vehicle horns, Silence The Horns project, [silencethehorns.org](http://silencethehorns.org)  
Under advisement

- i) This meeting:  
Technical Committee Co-Chairs: Scott Sommerfeldt and Kent Gee, Co-Chairs  
TPOM representatives: Eric Reuter, James Phillips

Session Chairs and Co-Chairs

1. Eric Reuter:  
Community Noise – 1aNS, 1pNS
2. Ben Faber:  
Acoustic Apps for Noise Measurements – 2aNSa
3. Steve Pettyjohn, James Phillips:  
Noise and Vibration Impacts in Crossfit Training Facilities – 2aNSb
4. Jonathan Rathsam, Ed Nykaza  
Statistical Learning Techniques in Noise Research – 2pNS
5. Nancy Timmerman, Ken Kaliski, Bob Hellweg, Paul Schomer  
Wind Turbine Noise – 4aNS 4pNS
6. Blaine Harker  
Topics in Noise Control – 5aNS
7. Shiu-Keung Tang, Siu Kit Lau  
Classroom Acoustics – 1aAA
8. Ken Cunefare, Kenric Van Wyk  
Forensic Studies from Noise Identification to Solutions in the Built Environment –  
2aAAa
9. Bob Coffeen, Andrew Miller  
Predicting and Controlling Heating, Ventilating and Air Conditioning Systems  
Noise – 2pAA
10. John Hildebrand, David Mellinger  
Effects of Noise on Animals – 3aAB

Call for Papers for Honolulu is available on [AcousticalSociety.org](http://AcousticalSociety.org).  
Honolulu TPOM: James Phillips and Bill Murphy  
August 5 preliminary, August 10 and 11 is the complete TPOM  
Would like volunteer to assist.

• Women in Acoustics (Lauren Ronsse) Michelle Vigeant  
WIA continues to be active & sponsor several on-going programs, including:

- Young Investigator Travel Award
- Women in Acoustics Luncheon in Honor of Donna Neff this meeting
- Mentoring Program
- Girl Scout Outreach

If you are interested in participating or volunteering for any of these programs, please visit our website (accessible from main ASA page) or contact Lauren Ronsse  
Grants for dependent care - 4 awards of \$500

- Regional Chapters (Bob Coffeen) No report

- College of Fellows (Tony Hoover) – Take a Student to the Society Luncheon. Need a volunteer of someone who expects to be going to Society Lunch in Honolulu. Volunteer when you register for the meeting and sign up for the luncheon.  
Re-vamping website and literature, list of fellows and citations

Other Committees?

## 6. Publications and Standards

- Ten Most Influential papers for TC Noise
- JASA Associate Editors for Noise (G. Brambilla, B. S. Cazzolato, S. Fidell, K. V. Horoshenkov, R. Kirby, Brigitte Schulte-Fortkamp)
  - JASA Express Letters Associate Editor for Noise (vacant)
  - James Lynch suggested that there are maybe 10 – 15 papers submitted for JASA-EL per year
  - If you believe that you would be a good candidate please contact Bill Murphy or James Lynch.
- POMA (Kent Gee) – Associate Editors: Alan Wall, Alexandra Lobeau  
Opportunity for session organizers to submit overview article to POMA

Use POMA for joint meetings and workshops

- Standards (Paul Schomer) Bob Hellweg
- ASACOS (Rich Peppin - Report)  
Reminder: each ASA member can get 5 free standards a year. Code was sent to you upon membership renewal. If you forgot code go to ASA web and contact “citation help.” ASA/ANSI standards are free, and nationally adopted ISO standards can be purchased for the reduced price of \$35 each.

Susan Blaeser has retired! Thank you for 16 years of herding the cats.

The new Standards Manager is Neil Stremmel.

Thank you to Chris Struck, Susan Fox, Susan Blaeser, William Murphy, Robert Hellweg search committee

Susan received the “Distinguished Service Citation” from ASA.

There was a nominating committee set up to elect new Chairs, individual experts, and standards committee members. Committee consisted of J. Mobley, A. Scharine (Chair), P. Schomer, and R. Peppin.

Fee schedule for Standards was discussed and approved. Nonprofits will get reduced rates.

TC108/sc2 was approved to have a TAG with the proviso that at least three companies are members and contribute.

ASACOS will request funding for travel from Executive Committee for TAG Chairs.

S1.20 will be renewed, dealing with hydrophone calibration.

A new standard on computer data acquisition systems has been proposed to IEC

## 7. TC Noise Web Page

TC Noise website has been migrated to ASA site by Dan Farrell.

Funding is available to support a person to program in Wordpress to help update and refresh the page.

It would be great to have a series of high quality photographs of things that represent TC noise

If people have suggestions, we can work with Dan to get them incorporated.

Ken Goode – maybe a student could serve in this role

## 8. Future Meetings

- Fall 2016, Honolulu, HI (joint with ASJ)

Community response to transportation noises	YANO, Takashi	ASJ Noise and Vibration
Prediction of transportation noises	SAKAMOTO, Shinichi	
Low frequency Noise: measurement, evaluation	TAKAHASHI, Yukio, MACHIDA, Nobuo	
Wind turbine Noise	IMAIZUMI, Hiroyuk	
Sound design	TOI, Takeshi	
Emerging issues on quiet vehicles	YAMAUCHI, Katsuya	
Hearing Protection Device Testing Methodologies	Elliot Berger, Jinro Inoue	ASA Noise
Sonic Booms – Joint with Physical Acoustics	Vic Sparrow	
Design of Acoustic Materials	Stuart Bolton, Takashi Yamamoto	
Innovations in Floor Impact Noise Testing	David Lubman, John LoVerde	
Noise Impact on Outdoor Gathering Spaces	Tony Hoover	
Microperforated Materials	Stuart Bolton, Zenzo Yamaguchi	ASA Structural Acoustics and Vibration
Fluid flow induced vibration and noise	Kuangcheng Wu (kc.Wu@hii-nns.com ) Robert Koch (Robert.M.Koch@navy.mil )	
Non-contact vibration excitation and sensing techniques	S. Sommerfeldt (scott_sommerfeldt@byu.edu ) B. Anderson (bea@lanl.gov )	

Metamaterials	Jeff Cipolla (Jeffrey.cipolla@wai.com ) Christina Naify (christina.naify@nrl.navy.mil ) Michael Haberman (haberman@arlut.utexas.edu )
Building vibration analysis, measurement and mitigation	James Phillips (jphillips@wiai.com) Hasson Tavossi (htavossi@valdosta.edu )
Session in honor of Allan Pierce	Sean Wu (sean_wu@wayne.edu)

d) Spring 2017, Boston, MA (joint with EAA) June 25, 2017

NS		Effects of Noise on Human Comfort and Performance		Lily Wang
NS	AA EA	Future of Noise Policy		David Woolworth Brigitte Schulte- Fortkamp
NS		Mechanical System Noise		Eric Reuter
NS		Session in Honor of Kenneth Plotkin	Session honoring the life and technical contributions of Kenneth J. Plotkin, primarily in the areas of sonic boom, aircraft noise and outdoor sound propagation.	Victor W. Sparrow
NS	PA	Sonic Boom	Propagation of sonic booms through the atmosphere, structural transmission of sonic boom noise into buildings, and human response to sonic boom. Experimental and certification measurements, numerical modeling, and sonic boom signature, reproduction, and acceptability studies.	Victor W. Sparrow
NS		Soundscapes Noise Impact on Outdoor Gathering Spaces	Noise creates problems for outdoor gathering spaces. This session will be about those noise impacts, how they are measured, how they are evaluated, and how they might be resolved.	Brigitte Schulte- Fortkamp K. Anthony Hoover
NS	PP	Tonal Noise Perception in the Built Environment		Joon Hee Lee
NS		Transportation Noise		Matthew Kamrath
NS	PP ASACOS	Using Acoustic Standards in Education	This session will explore the use of acoustic standards for education in areas of audiology, industrial hygiene, engineering	William J. Murphy

noise control, underwater acoustics, and animal bioacoustics. The focus will be on how standards can be incorporated into curriculum for undergraduate and graduate education.

Statistical Learning, Jonathan Rathsam and Ed Nykaza (possibly joint with SP)  
Wind Turbine, Nancy Timmerman, Paul Schomer, Bob Hellweg

- e) Fall 2017, New Orleans, Louisiana, Dec.8, 2017
  - Sound Ordinances for entertainment districts – David Woolworth might merge with Entertainment and Community (AA)
  - Acoustics and its role in accessibility (e.g. Americans with Disabilities Act) – Kathy M. (from the web)  
Wind Turbine Noise – Nancy Timmerman, Bob Hellweg, Ken Kaliski
- f) Spring 2018, Minneapolis, Minnesota, May 7, 2018
  - Wind Turbine Noise – Nancy Timmerman, Bob Hellweg, Ken Kaliski
  - Ground born noise from transit systems – James Phillips
- g) Fall 2018, Victoria, British Columbia
- h) Spring 2019, Louisville, Kentucky  
Fall 2019, San Diego, California
- i) Fall 2020, Cancun, Mexico  
Spring 2020, Chicago, Illinois

#### **7. Technical Council Items (Bill Murphy)**

- a) ASA Retreat (Strategic Leadership for the Future) – Four areas of emphasis: i) Awareness of acoustics, ii) Membership engagement and diversity, iii) Dissemination of information and knowledge, iv) Financial stewardship. Draft of report is close to completion – will be an opportunity for member feedback as the process goes forward.
- b) 2019 being proposed as International Year of Sound
- c) Whit Au is AE for Invited/Review/Tutorial articles for JASA. Give any suggestions you may have for papers in these areas to Bill Murphy or to Whit.

#### **9. Technical initiatives**

- a) New guidelines – standing approved funding of \$1000 for Young Investigator Award and \$3000 for travel support each year
- b) For additional initiatives, initiative under \$2500 will be approved by a “consent” vote (up to \$15,000 total). Those over \$2500 will be considered and approved individually.
- c) Website for wind turbine noise complaints and compliments – Paul Schomer  
A good deal of discussion ensued regarding the possibility for hijacking by those opposing wind turbines. There was concern that the effort proposed would border on research. It was noted that the comments need to be blind, not public. Discussion tabled, pending write-up, will discuss in Honolulu.

#### **11. Next Meeting: Honolulu HI (Nov 28-Dec 2, 2016)**

**Adjourn**