

ACOUSTICAL SOCIETY OF AMERICA

Minutes from the Open Meeting of the Technical Committee on Noise

Thursday May 14, 4:00 p.m. EDT
via online meeting

In Attendance: Steve Pettyjohn, Bonnie Schnitta, Stuart Bolton, Stephen Lind, Bob Hellwig, Judy Rochat, Jerry Lilly, David Michaud, Kay Hatlestad, Jessica Clements, Leisa Nalls, Nicholas Sylvestre-Williams, Brandon Cudequest, Lily Wang, Jon Boley, Joseph Keefe, S. Hales Swift, Galen Wrong, Derrick Knight, Keeta Jones, David Manley, Will Doebler, Arezoo Tlabazdeh, Jonathan Rathsam, Brigitte Schulte-Fortkamp, Jay Bliefnick, Fenando Elizondo, John Kosco, Kenneth Good, Jean-Philippe Migneron, Bhisham Sharma, Abigail Bristow, Eric Reuter, David Michaud, Bennett Brooks, Tony Hoover, Kirill Horoshenkov, William Murphy, Michelle Vigeant, Walter Montano, David Woolworth, Jeff Szymanski, Keely Siebien, Ana Jaramillo

James Phillips, Chair
Aaron Vaughn, Student Council Representative

Call to order at 4:00 pm EDT

Approval of Agenda

Approved

Minutes from ASA Fall 2019 Meeting in San Diego, CA

Approved.

Thank you to everyone who helped reorganize the 2020 meetings

Feedback?

Membership Report (Alex Case/Bonnie Schnitta):

- New representative for TCN: Bonnie Schnitta
- Thanks to Alex Case for serving as TC Noise representative

Medals & Awards (Brigitte Schulte-Fortkamp):

- Committee:
 - Brigitte Schulte-Fortkamp (Chair)
 - Bennett Brooks
 - Bill Murphy
 - James Phillips
- Silver Medal in Noise
 - Nominees presented and discussed at this week's MAC meeting
 - Recipient pending approval by Executive Council

Leo & Gabriella Beranek Scholarship in Architectural Acoustics and Noise Control

- Committee: Ana Jaramillo (Chair) James Phillips, Bennett Brooks, Alex Case, Carl Rosenberg (representing the Beranek family)
- 2020 recipient pending approval by Executive Council

Frank & Virginia Winker Memorial Scholarship for Graduate Study in Acoustics

- Committee: Christopher Struck (Chair), James Phillips, Ana Jaramillo, Mike Haberman, Dan Russell
- 2020 recipient pending approval by Executive Council

Young Investigators Awards from San Diego, CA

1) Jonathan Broyles

Perceived annoyance of Mach-cutoff flight ground signatures compared to common transportation sounds

2) Jacob Ward

Spectral comparisons between ground runup and flyover operations of a high-performance military aircraft

3) Andrew Mitchell

Making cities smarter with new soundscape indices

Student Council (Aaron Vaughn): Welcome students

- Website & Social Media
 - <https://asastudents.org/>
 - Twitter: @asastudents
 - Facebook: Acoustical Society of America - Students
 - LinkedIn: Acoustical Society of America Students
- Acoustics Program Database
 - <https://exploresound.org/>
- Mentor Award
 - Will be presented in Chicago meeting
 - Awarded every 3 meetings, submissions open this week
 - Academic and industry mentors
- SMMFL (Student Meet Members for Lunch)
 - Sign up for Chicago!
- ASA School
 - Targeted for graduate students & early career acousticians
 - Participants must present or coauthor a paper at the Seattle meeting
 - **Rescheduled to two days prior to Spring 2021 Meeting in Seattle**

Education & Outreach (Keeta Jones)

- 2020 is the International Year of Sound

- **Has been extended through 2021 due to COVID-19**
 - Concluding session initially intended for ASA Cancun meeting in Dec 2020 - may take place in Sydney
- <https://sound2020.org/>
- Using Wikipedia to promote acoustics knowledge for the International Year of Sound 2020
 - **Wikipedia Editing workshop rescheduled for December in Chicago**
 - Contacts for Wikipedia
 - William J. Murphy , wmurphy@cdc.gov
 - Thais C. Morata, tmorata@cdc.gov
 - John Sadowski, jsadowski@cdc.gov
- Need new Activity Kits
 - Practical applications needed
 - Wearable SLM?
 - Contact Keeta Jones, kjones@acousticalsociety.org
 - Need supplies
- Additional Education and Outreach updates attached to the minutes

Women in Acoustics (Michelle Vigeant)

- Session in Chicago about career and life – round table style

Regional & Student Chapters (Ken Good)

- Chapters Meeting Wednesday
- Chapters are a great way to bring the National meeting home and engage folks who could or would not attend the national meeting. They also serve as opportunities to coordinate with other organizations such as AIA, AES as examples. Last “Chapters” consider how your chapter can support “Strategic Initiative B” (Better Engagement of Industry and Practitioners).
- The fall 2019 meeting (San Diego) was my last meeting as Chair. I am happy to continue to represent TCNoise.
- Several chapters are holding virtual meetings during the COVID-19 crises.
- Chapters are encouraged to consider creative methods of connection.

College of Fellows (Tony Hoover)

- Undergraduate students’ registration fees will remain \$25 for the foreseeable future.
- CoF invites any/all Fellows to join the Steering Committee.
- A list of all past ASA Fellows and citations is now posted on the ASA website, but needs formatting, in development.
- Thanks to TCN members who volunteered to accompany the ticket-winning students to the Luncheon!

ASA Jam (Tony Hoover)

- Will almost certainly be in a club outside but very near the ASA meeting hotel in December 2020.

- Virtual jam between now and next meeting

TC Noise Web Page (Hales Swift)

- TC Noise Web Page has been updated!

Technical Council Initiatives

- Each of the TC's discretionary funding is \$5000: \$1000 for Young Investigator Award, \$4000 to support travel (TC Noise: \$1,500 for YIA, \$3,500 for travel). Travel funding is only reimbursable and no more than \$1500 can be provided to an individual during a year.
 - Let James Phillips know of persons that have a need.
- 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.
 - Let James Phillips know of persons that have a need.
- \$2000 for "Football sized" NIOSH app style outreach education prototype shirt approved in San Diego
 - Eric Reuter
 - David Woolworth
 - Original intention was to develop the device for IYS direct public outreach on sound, and for future outreach and education.
 - The device was to be produced for the ASA chapters and the design to be open sourced for acoustical societies around the world. (see additional info attached)
 - Video played showing the SLM in action.
 - Here is an up-close video that might be useful:
<https://youtu.be/hlCMU6Nw6Ns>
 - The device is based on the Teensy microcontroller platform, and the code is available here: <https://github.com/ereuter/IYS-SLM/blob/master/main.cpp>
 - Chapters need to request them from David Woolworth

Proposed Technical Council Initiatives

- N/A

Editor-in-Chief (Jim Lynch)

- JASA Reflections - First article out in July
- TCN has submitted seven articles, would like to get three more
- JASA special issues are very popular
 - Strong interest in a special issue on **COVID-19 Pandemic Acoustic Effects**
 - Volunteers?
 - Brigitte Schulte-Fortkamp
 - Bennett Brooks
 - J-Philippe Migneron
 - Walter Montano

- Contact Jim Lynch
- Kirill Horoshenkov suggested to get in touch with Stephen Dance dances@lsbu.ac.uk
 - <https://www.linkedin.com/groups/13844820/>
- Montreal McGill College about Covid
 - Contact info: info@cirmmt.mcgill.ca
- Chicago Array of Things has been measuring sound and other things for some time including well before the COVID outbreak. Their data could provide a good before and after picture to gauge sonic effects of COVID
- Paul Scholmer DOT funded soundscape project participants

Journal of the Acoustical Society of America

- JASA Associate Editors for Noise
 - Anurag Agarwal, University of Cambridge
 - Jordan Cheer, Institute of Sound and Vibration Research, University of Southampton
 - Sanford Fidell, Fidell Associates
 - Kirill V. Horoshenkov, University of Sheffield (Coordinating Editor, Noise)
 - Yun Jing, North Carolina State University
 - Alexandra Loubeau, NASA Langley Research Center
 - David S. Michaud, Health Canada
 - William J. Murphy, National Institute for Occupational Safety and Health
 - Alan T. Wall, Air Force Research Laboratory
- JASA Express Letters Associate Editor for Noise (Eddie Lau, Alexandra Loubeau, Traci Neilsen)
 - Peer reviewed
 - Quicker review and publication process
 - Shorter papers, smaller in scope than JASA
 - Open access
 - wav files and animations compatible with online publication
- POMA (Kent Gee) – Associate Editors: Alan Wall, Cameron Fackler
 - **Please submit POMA papers!**
 - **Does not preclude from further publishing!**
 - Easy templates online (Word and LaTeX)
 - Special sessions eligible for summary papers
 - Education in Acoustics session promoted POMA- great opportunity for students to practice writing for journals

ASACOS (Rich Peppin)

- About 14 Attendees on WebEx
- All reports posted on Basecamp.
- There was no Plenary or ASACOS Steering meetings this spring
- Reports:

- Frisk TC43sc3 (underwater acoustics) WG 1.2.3.4
 - He is resigning after this year.
 - The TC is asking Navy for financial support
- Struck-Standards Director
 - *Acoustics Today*, Spring 2020 discusses new policy which eliminates the five free standards. Results of that have actually increased sales of standards because distributors are more interested in selling them. Sales of standards have been going up consistently since 2016 and 2020 looks like it will far exceed previous years.
 - ANSI S1.45/IEEE 260.4 on “letter symbols” finally got published and is available for purchase.
 - Due to Covid, IEC TC29 and TC43 went virtual.
 - The International Travel Fund was accidently abolished and then replaced. The application for the funds, and the application for the Robert Young Travel Award will be combined into one single application.
 - The Standards Office is now officially virtual, located in Missouri. Hours are 8:30am to 5:30 pm Central Time.
 - ASA Organizational Member Fees were approved.
- Bob Hellweg Head of Delegation TC43/TC29
 - The next TC43 meeting to be virtual
 - Hellweg will resign and Struck to assume Head.
 - TC29 meeting was held virtually in March. 53 people attended.
- The classroom acoustics working group at S12 is being reactivated. If you were on previous working group expect email and information by mid summer. If you want to join the working group, contact Stephen Lind stephen.j.lind.ut88@gmail.com or ASA Standards

Executive Council Report

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Strategic Plan Champions

- Meet every ASA meeting (Thu, 2:00pm-4:00pm)
- Task A: Identification and Promotion of Emerging Scientific Areas
 - Chair: James Lynch/Adam Maxwell
 - TCN Rep: James Phillips
- Task B: Better Engagement of Industry and Practitioners
 - Chair: Eric Reuter
 - TCN Rep: Eric Reuter
- Task C: Improved Communications and Public Relations
 - Chair: Matt Kamrath
 - TCN Rep: Keeta Jones
- Task D: Member Engagement, Outside of Meetings

- Chair: Christopher Jasinski
- TCN Rep: Ralph Muehleisen

Technical Council Requests

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179th Meeting Fall 2020, Chicago, IL

8-12 December 2020 (Tue – Sat)

Meeting Co-Chairs: Shane Kanter, Stephanie Hoeman

A new Call for Papers to be sent in June/July

Abstracts for May 2020 to be resubmitted or revised by authors. Open to new abstracts.

TPOM date TBD

TPOs: William Murphy, Hales Swift, James Phillips

Virtual Meeting Task Force

Will test drive a few virtual sessions in Chicago if physical meeting

May be largely virtual if necessary

Task force would like answers to the following:

- Is anybody aware of travel prohibitions in December?
 - Yes - 6
 - No - 53
- If the Chicago meeting is largely virtual, will you participate?
 - Yes - 41
 - No - 0
 - Maybe - 18
- Any objections to a hybrid?
 - Yes - 2
 - No - 52
 - Maybe - 5

Go/No-go date has not been decided yet.

Special Sessions Finalized.

1. Advances in Hearing Protection Devices (Cosponsors: PP, ASACOS)
 - Cameron Fackler
 - William Murphy
 - Elliott Berger
2. Forty-One Years of Responding to External Stimuli: A Session in Honor of Elliott Berger (Cosponsor: ASACOS)

- Cameron Fackler
 - Laurie Wells
 - William Murphy
3. Impact of Transportation Noise on Buildings (Cosponsors: AA, SA, ASACOS)
 - Ben Markham
 - James Phillips
 4. In Memory of Richard Lyon (Cosponsors: SA, AA)
 - Patricia Davies
 - Greg Tocci
 5. Larry H. Royster Memorial Session (Cosponsor: ED)
 - Elliott Berger
 - William Murphy
 - Noral Stewart
 6. Noise Standards (Cosponsors: AA, SP, ASACOS)
 - Chris Struck
 - James Phillips
 7. Perception of Vehicle Noise (Cosponsors: SA, PP, ASACOS)
 - Patricia Davies

180th Meeting Spring 2021, Seattle, WA (Final Session Planning)

7-11 June 2021

ASA School, 5-6 June 2021 (available to those within 3yrs of terminal degree)

Sessions originally planned for Chicago or Cancun (session forms completed)

1. Soundscape Projects: Networking, Participation, and New Technology (Cosponsors: AA, AB, ASACOS)
 - Antonella Radicchi
 - Brigitte Schulte-Fortkamp
2. Standardization in Soundscape: Application and Development (Cosponsors: AA, ASACOS)
 - Brigitte Schulte-Fortkamp
 - Andre Fiebig
3. Sound Walks (Cosponsors: AA, ASACOS)
 - Bennett Brooks
 - David Woolworth
4. Wind Turbine Noise (Cosponsors: PP, ASACOS)
 - David Michaud
 - Mark Bastasch
 - Brigitte Schulte-Fortkamp

Sessions proposed at San Diego meeting (session forms need to be completed by EOD, May 14)

<https://tinyurl.com/SeattleSpecialSessions>

5. Building System Equipment Noise
 - Brandon Cudequest
 - Joe Keefe
6. Nonoccupational noise and hearing loss
 - Bonnie Schnitta
 - William Murphy
7. Aircraft Jet Noise
 - Kent Gee
 - Alan Wall
8. Pandemic Noise Reduction (changed from Lockdown Noise)
 - Kirill Horoshenkov
 - Abigail Bristow
 - Stuart Bolton

181st Meeting Fall 2021, Sydney, Australia (Tentative Session Planning)

6-10 December 2021

Joint with Australian Acoustical Society

ASA Meeting Cochair: Marcia Isakson

ASA Technical Program Chair: James H. Miller

- Format to be the same as standard ASA meeting, except paper length: 3 papers/hour, every 20 minutes
- Funding for students will be available, using left-over 2019 and 2020 Tech Initiative funds. There will be an application process.

Tentative Sessions

<https://tinyurl.com/SydneyTentativeSessions>

1. ISO Standard on Soundscapes
 - Brigitte Schulte-Fortkamp
 - Bennett Brooks
2. Community Response to Environmental Noise
 - David Michaud
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3. Special Noise Issues in Modern Construction (joint with AA)
 - Bonnie Schnitta
 - Nicholas Sylvestre-Williams
4. Wind Turbine Noise?
 - Norm Broner?
5. Rethinking Acoustic Design After Pandemic - suggested by Fernando Elizondo
- 6.

Future Meetings

- 182nd Meeting Spring 2022 in Denver, CO (23-27 May 2022)
 - Health Effects of Noise

- i. Hales Swift
- ii. Lily Wang

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New Business

- none
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Meeting adjourned at 5:28 pm EDT