



# Education in Acoustics Committee

## AGENDA for the ED Com Meeting – ASA 177, Louisville (Tuesday, May 14, 4:30pm in *McCreary*)

Pre-Meeting DRAFT Version (5/10/2019)

### Welcome and Introductions

Call to Order

Welcome and Introductions

Review/Amend/Approve minutes from ASA 176 Victoria

### Announcement of Awards

#### **Rossing Prize in Acoustics Education**

Congratulations to the 2018 recipient: **Stanley A. Chin-Bing**. He gave his Rossing Prize Lecture immediately prior to this EDCom meeting – paper 2pED.

We received 3 nominations for the 2019 award. The selection process is underway, being finalized during this week; and the winner will be announced at the Fall ASA 178 meeting in San Diego.

- **Topic for discussion:** there have been very few nominations submitted in recent years. The prize is not limited to ASA members. How/where to advertise to increase awareness of this prize?

#### **The Frank and Virginia Winker Memorial Scholarship for Graduate Study in Acoustics**

This is a new (since 2017) scholarship for a graduate student enrolled in any college or university in the United States that has a graduate degree program in Architectural Acoustics, Noise Control, or Engineering Acoustics, and who have been accepted for graduate study in one of those fields. Engineering Acoustics, for the purposes of the Winker Scholarship, includes: Applications of linear and nonlinear acoustics, transduction and transducers, acoustical measurements, instrumentation, and applications of signal processing to any of the aforementioned areas. Applicants must be U.S. citizens. This is a \$3,000 scholarship.

- For 2019, seven (7) applications (from three schools) were received and were reviewed by the review committee, which includes the EDCom chair. **Need to increase awareness of this scholarship – it would be nice to have applicants from a larger variety of schools where graduate students are studying acoustics**

### Special ED Sessions at ASA 177 Louisville

#### **ED Organized Sessions**

##### TUESDAY:

2aID – Graduate Programs in Acoustics (poster session) – 8:00pm – *Exhibit Hall*

2pID – Promoting Student Publishing Success – 1:00pm – *Breathitt*

2pED – Acoustics Education Rossing Prize Lecture – 3:25pm – *Coe*

##### WEDNESDAY:

3aED – Hands-On Demonstrations – 8:00am – *Coe* (Volunteers Needed!)

3eED – Listen Up and Get Involved – 5:00pm – *Coe* (Volunteers Welcome!)

#### **Other Jointly Sponsored Sessions (organized by another TC, but supported by ED)**

2aPPa – Acoustics Outreach to Budding Scientists: Planting Seeds for Future Clinical Physiological Collaborations – Tuesday 8:00am – *Carroll Ford* (co-sponsored by ED)

2pAA – Higher Education Schools of Music – Tuesday 1:00pm – *French* (co-sponsored by MU and ED)

2pPPb – Cultivating New Growth by Composting Old Ideas: Pruning the Deadwood from the Garden of Psychological and Physiological Acoustics – Tuesday 2:10pm – *Carroll Ford* (co-sponsored by ED)

3pPPa – Diversity in Auditory Perception and Speech Communication – Wednesday 1:30pm – *Carroll Ford* (co-sponsored by ED)

4aNS – Increasing Noise Awareness in Society – Thursday 8:00am – *Segell* (co-sponsored by ED)

**Future Meetings and Special ED Sessions**

**ASA 178 – San Diego, CA (Fall 2019) – these special ED sessions were finalized in Victoria**

- Hands-On Demos – Keeta Jones and Dan Russell (and Traci Neilson?)
- Listen Up and Get Involved – Keeta Jones and Dan Russell (and Traci Neilson?)
- Take 5’s – Jack Dostal
- **Acoustics Textbooks (How to select a book for a course?)** – organized by (Jack Dostal and Dan Russell)
  - The process of selecting a textbook when asked to teach a new course (or when the standard text goes out of print) can be a daunting task, given the variety (or lack thereof) of textbooks available for both general topics undergraduate courses or upper level special topics graduate courses. This session will focus on hints for how to determine which books might be appropriate for an acoustics course (at various levels, undergrad through graduate), how to evaluate the content of a textbook and its appropriateness as a text for the course being taught, how to use a new textbook for your course, and what to do when no single book seems to do provide what is needed.
- **Mentoring – ASA Student Mentor Award Winners** – Dan Russell (ID/ED/Student Council/Early Career)
  - The mentoring of students at both undergraduate and graduate levels is a vital role of the faculty member and the transition from graduate student to new faculty member requires the former mentee to now become a mentor. Papers in this session will include best practices and guidelines for mentoring graduate and undergraduate students, along with tips for success, selecting students from a pool of applicants, dealing with problem students, mentoring across differences, and developing productive and rewarding mentoring relationships.
- **Grant and Fellowship Writing Panel** – sponsored by Student Council (co-sponsored by ED)

**ASA 179 – Chicago, IL (Spring 2020) – must be finalized in Louisville**

- Hands-On Demos
- Listen Up and Get Involved
- Take 5’s
- **Methods of Teaching Speech & Hearing Science to Undergraduates** – Freddie Bell-Berti (joint with SC)
- **Musical Acoustics Education at Undergraduate Level** – Andy Morrison (joint with MU)
- **Undergraduate Research Exposition** – Poster Session (Dan Russell)

**ASA 180 – Cancun, Mexico (Fall 2020) – must be finalized in San Diego**

- Hands-On Demos
- Listen Up and Get Involved
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Future Meetings**

- ASA 181 – Portland, OR (Spring 2021)
- ASA 182 – Sydney, Australia (6-10 Dec. 2021)
- ASA 183 – Denver, CO (Spring 2022)
- ASA 184 – Atlanta, GA (Fall 2022)
- ASA 185 – \_\_\_\_\_ (Spring 2024)
- ASA 186 – Providence, RI (Fall 2024)
- ASA 187 – San Francisco, CA (Spring 2025)
- ASA 188 – Honolulu, HI (Fall 2025)
- ASA 189 – Philadelphia, PA (Spring 2026)
- ASA 190 – \_\_\_\_\_ joint with EAA (Fall 2026)

## Report from Keeta Jones (ASA Outreach)

### **Update on ASA Teacher Activity Kits**

- Report on requests and status of kits.

### **Update on Booths Initiative**

- PhysCon2019
- Co-sponsor Physics of Jazz Workshop at PhysCon2019

### **ExploreSound.org**

- More Acoustician Profiles wanted!
- Graduate Program Database Update

## Other Subcommittee Reports

### **SMMfL (Students Meet Members for Lunch) – Report by ???**

- David Blackstock has asked to step down from chairing the SMMfL subcommittee.
  - The new SMMfL chair is \_\_\_\_\_
- Report of student and member matchups for the Louisville meeting

### **TPOM**

Need a new volunteer to help Matt Kamrath for San Diego (and Chicago).

### **Student Council**

Report from ED Student Council Liaison, Michael Rollins

## Current Business (items to discuss at ASA 177 Louisville)

### **2020 is the International Year of Sound**

The International Commission for Acoustics (ICA) has declared 2020 the International Year of Sound (IYS 2020). The purpose is to highlight the importance of sound in all aspects of life on earth and will work towards an understanding of sound-related issues at the international level. The ICA IYS 2020 Steering Committee will coordinate all activities, and **ASA has been asked to nominate a coordinator to be the primary contact with the ICA IYS steering committee.** *Any members of ED Com interested?*

### **Proposal for AAPT Waves Workshop for Middle School Teachers**

Gordon Ramsey is coordinating a team from AAPT and ASA to organize, develop, and run a 2-day workshop on Waves (Optics and Acoustics) for middle school teachers. Proposal Fall 2019, first offering of workshop in Summer 2020.

### **Special Issue on JASA Education in Acoustics**




- Last special issue on education was 7 years ago . . . 2012 vol. 131 issue 3.
- Preston Wilson and Dan Russell will co-coordinate and co-guest edit this Special Issue. Call for Papers will go out late 2019 or early 2020.

### **POMA – Dan Russell is new associate editor for Education.**

- Encourage presenters to write up papers for POMA (summarize Kent Gee's paper 2pID4 about using POMA as a tool to help develop writing skills in students)
- Question about publishing POMA **before** the meeting so copies are available to reference during the talk or during the meeting?
- What is the process for detecting POMA submissions (after the meeting) for presenters who did not show up to present the paper?

### Items Brought Up at Victoria (and Louisville?) Tech Council Meetings

Feedback requested from ED to report back to Tech Council

- **Remote presentation of papers** – Current ASA policy “NO” – remote presentation is not allowed. Technology exists to make this possible and it has been done before (MU special session in honor of Harvey Fletcher). A couple of times a speakers have submitted a video to play in their absence.
- **Photography Policy** – Current ASA policy forbids photography during presentations, but LOTS and LOTS of attendees take photos (mobile phones) during talks. What about putting icons on slides?   
- **Approval of Abstracts** – there is no current policy for reviewing abstracts before acceptance. TPOM rep sorts abstracts into specific sessions but does not filter (accept/reject) abstracts. There have been some prior problems – Wind Turbine papers (political vs scientific) and adverts for books/products.

### Old Business (items raised at ASA 176 Victoria)

#### ED Com Website ([asaedcom.org](http://asaedcom.org))

- Who is the target audience for this website?
- How is it being used (by members? by others?)
- What could we do better with this website to make it more useful?
- Who should be in charge of updating/revising our webpages?

At ASA 176 Victoria, it was suggested that we create a subcommittee to explore some of the questions raised (see Victoria ASA 176 minutes). Andy Piascek and Andy Morrison agreed to get this subcommittee going.

#### ASA Teacher Activity Kits

- Is it time to create an Activity Kit 2.0 ?
  - Like Optical Society does with their two-tier kits
  - Single project theme (instead of multiple separate lesson plans)
- Time to revisit the original kit content and design?

#### ASA Auditory Demonstrations CD

- Why is this not available on iTunes? Spotify? Googleplay?
  - Propose through Books Committee?
  - YouTube channel?

#### Undergraduate Research Symposium and Robert Young Award?

- Apply in Summer/Fall – present in Spring?
- Do research during year or over summer?
- When to present at ASA? (next Undergraduate Research Symposium is Chicago 2020)
- When to submit abstract to ASA meeting – do they have to meet the ASA meeting abstract deadlines?
  - Name and topics due by Abstract deadline
  - In order to submit to POMA do you have to have an abstract (paper number) in the program guide?
  - Could POMA have a special issue just for undergrads?

#### Special Vendor Session for Students

- At meetings with Vendor Sponsors – have a time/session for students to meet vendor reps to talk about companies, jobs, careers, etc.

**New Business (items for future discussion)**

**New Item**

**New Item**

**Wrap Up and Adjourn**