



# Education in Acoustics Committee

## MINUTES from Ed Com meeting ASA 175, Minneapolis (Wednesday, May 9, 5:00pm)

Meeting called to order at approximately 5:00pm by Chair, Peggy Nelson.

### **Attendance:** (29 people signed in)

Peggy Nelson, Preston Wilson, Vahid Naderyan, Matthew Kamrath, Scott Sommerfeld, Kent Gee, Brian Monson, John Buck, Steve Thompson, Grodon Ramsey, Eldridge Alcantara, Julianna Simon, Michelle Vigeant, Brian Worthmann, Dominique Bouavichith, Evelyn Hoglund, Martin Lawless, T.J. Flynn, Matthew Zeh, Elin Roverud, Matthew Neal, Kelly Whiteford, Andrew Morrison, Andy Piacsek, David Blackstock, Freddie Bell-Berti, Stephan Paul, SuHuyn Jin, Dan Russell.

### Preliminary Business Items

#### **New Ed Comm Chair**

Peggy Nelson is the new ASA Vice President Elect. Dan Russell will be the new Education in Acoustics committee Chair, beginning with the Victoria meeting. Andrew Morrison will continue as the Vice Chair. Thank you to Peggy for your service to Ed Comm.

#### **Ed Comm Meeting Time**

Brief discussion of meeting time – Wednesday conflicts with ED “Listen Up and Get Involved” Demonstration Session occurring at the same time, preventing members from attending and/or helping out with demos. EdComm meetings were historically held on Tuesday afternoons, but were moved to Wednesdays a few years ago by former Chair David Bradley because of a conflict he had. Meeting time will be moved back to Tuesday afternoon starting in Victoria.

### Future Meetings and Special Sessions

#### **Victoria (Fall 2018)**

- Measuring Educational Outcomes (ED) – Robert Celmer and Andy Piacsek
- Panel Discussion about Mentoring Students (ID) – Task Force 2
- Listen Up and Get Involved
- Hands On Demos
- Undergraduate Research Student Poster Session

Need to make Financial Request to TC to keep “Hand’s On” sessions funded for Victoria and Louisville.

#### **Louisville (Spring 2019)**

- Encouraging and Empowering Students to Publish – Kent Gee
- Poster Session for Graduate Programs in Acoustics (organized by Student Council)
- Mentoring – ASA Student Mentor Award Winners – organized by ???
- Methods of Teaching Speech & Hearing Science to Undergraduates – organized by ???
- Acoustics Textbooks (How to select a book for a course?) – organized by ???
- Undergraduate Poster Session (when is the best time for this? Spring or Fall?)
- Hands-On Demos and Listen Up and Get Involved

### Reports from Ed Comm Subcommittees and Activities

#### **Report on ASA Teacher Activity Kits**

Current budget is \$20,000. We are giving these kits to teachers for FREE. Typically sell out half-way through the year. International shipping costs are excessive (approx. \$200). We are not allowed to charge for the kits, but we could accept donations. (how to set this up?).

Later discussion (and vote?) recommended increasing the budget to \$25,000 so that we could distribute 250 kits.

**ExploreSound.org**

We still need many more (new) Acoustician Profiles! 300-500 words, sharing why acoustics fascinates you and what you do with acoustics. Several people volunteered to provide profiles: (*Brian Monson, Julianna Simon, Andy Piaszek, Andrew Morrison, Dan Russell*).

Update: heading into the Victoria meeting, profiles from these five volunteers are not yet on the ExploreSound.org website. (have they been written or submitted?)

**Report from Keeta Jones (ASA Outreach Coordinator)**

Keeta reported on her activities representing ASA at the 2018 Intel International Science & Engineering Fair. This is an important, high profile exposure for ASA to students.

- **Booths Initiative** – this needs a new budget for 2018-2019 and the budget needs to be increased from \$5600 to \$9700 in order to continue future participation.
- Discussed the types of ASA swag handed out (literature, wrist bands, mechanical pencils, post-it notes, etc.).
- Suggestions for future Booths locations (meetings to target) – discussion suggested that we should increase the diversity in the types and/or locations of the meetings, with a desire to have contact with both students and teachers, not just teachers. Some suggestions for potential meetings/organizations included: PhysCon, AAPT, AAAS, SACNAS, NSBP, March for Science (with AIP).

**Acoustics Programs Database**

The university-level acoustics program database at [ExploreSound.org](http://ExploreSound.org) currently has 48 listings (departments, programs, laboratory groups). It is possible to have multiple listings (multiple research or lab groups) from the same university. Check it out and consider adding your acoustics presence.

**ASA Student Video Challenge**

Need judges to review submitted videos – judging to occur October 1-26.

**SMMfL (Students Meet Members For Lunch)**

Report by David Blackstock and Martin Lawless (and Matthew Neal?). For the Minneapolis meeting, there were 72 requests from students. The new online system (developed by Martin Lawless) successfully matched 66 students to members. A subcommittee has been formed to work out a MOU between ED, Student Council and WiA to make this function better. Subcommittee members include: Martin Lawless, Freddie Bell-Berti, David Blackstock, Peggy Nelson, and Dan Russell.

**TPOM**

Dan Russell and Matt Kamrath are the TPOM reps for ED for the Victoria Meeting. This will be Dan's last TPOM. So, will need a new member for Louisville.

**Financial Business**

The following budget requests will be made to the Outreach Committee (funneled to Technical Council)

- Request increase of the ASA Teacher Activity kit to \$25,000 to cover cost of 250 kits (up from 200).
- Request to continue funding Hands-on Outreach sessions for Victoria and Louisville
- Request funding for two Booths Initiatives (specifics left up to Keeta Jones – with emphasis on diversity and contact with students as well as teachers). Budget request for 2019 line-item for Intel ISEF Commons increase to \$9700 was submitted to Outreach Committee.

**Other Business / Discussions**

- **Gordon Ramsey (AAPT President)** – discussed the possibility of a joint venture between ASA and AAPT, to possibly combine with AAPT and OSA (optical society of America) for a 2-day workshop on Waves (optics and acoustics). Good potential for ASA 179 in Chicago (Spring 2020). Persons interested in teaching should contact Gordon ([gpr@anl.gov](mailto:gpr@anl.gov)).
- **Short Course on Active and Collaborative Learning** – 1-2 short course preceding an ASA meeting. When? Taught by Whom? Aimed at what audience?

- **Review Paper for JASA** – is it time for another JASA review paper about education in acoustics?
- **Sharing Educational Resources** – could the ED Comm website be used to share educational resources (lecture notes, textbook materials, laboratory experiments. Demonstrations)? Could we have a collection (repository) for all POMA papers from ED sessions? Should we set up a sub-committee to explore this?

Minutes were compiled and summarized by Dan Russell.