

Discussion Item #1: Outreach Activities by ED during ASA meetings

Discuss the current and future status of traditional ED outreach activities:

- **Hands-on Demonstrations** (targeted to local area middle-/high-school students)
- **Listen-Up and Get Involved** (targeted to local area Girl Scout Troops)

Note: Original plans for Denver meeting were to combine these two events into a single, larger, formal demonstration show (with hands-on interaction) to be held at an off-site location Wednesday evening. The off-site location was reserved but we (Keeta Jones – ASA EOC, Dan Russell – ED, Anna Diedesch – WiA) were not able to effectively organize the event or solicit attendees or volunteers to serve as demo presenters.

Recommendations, thoughts, ideas for future: One (off-site) outreach demonstration event per year
Discussion

- **Resume Help Desk?**

Discussion Item #2: Budget Cuts from Executive Council that Affect ED

As an administrative committee, ED submits budget requests to the Outreach Administration Council for approval. OAC forwards approved requests to the Executive Council for final approval and fund allocation. The Executive Council has been looking for ways to reduce financial costs for ASA. In March, 2022 Dan Russell (ED chair) was asked to submit a report, responding in detail to a series of questions from the EC to explain and defend the mission and goals of the Education in Acoustics Committee, to assess the effectiveness of ED activities, and to justify ED budget requests. (*Report can be made available to ED members upon request*).

ASA Teaching Activity Kits (previously supported by annual \$20,000 budget item):

- 2019 – company that had been assembling and storing kits had to stop (federal regulations for employing handicapped persons). Existing kits were shipped, and stock depleted.
- 2020-2021 – COVID.
- 2020 – Subcommittee formed to develop Teaching Kit 2.0. Met sporadically to begin exploring new kit ideas, options for assembling and storing.
- 2021 – Subcommittee met in-person at ASA 181 Seattle – discussed ideas for Kit 2.0. Discussed option of using an Amazon “store” for dissemination of Kit items, supplemented with instructions on how to assemble and use items. Submitted request annual for \$20,000 to get Kit 2.0 off the ground and initial development, with intent for Kit to become “self-supporting” (Amazon store?) or to secure outside funding for future development and dissemination.
- At the ASA 181 Seattle meeting, the Executive Committee denied the request from ED to continue setting aside \$20,000 for the development, assembly, and shipping of the ASA Teaching Activity Kits. Any future development and/or implementation of a Teaching Activity Kit will have to proceed without ASA funding.
- Need **Teaching Activity Kit subcommittee** to become more active (working between ASA meetings) to develop alternative method of developing and disseminating Kit 2.0

Volunteers?

Discussion:

The normally recurring budget item requests which ED makes each year include:

1. Budget items which are specific to Education Committee activities during ASA meetings

Normally Recurring Budget Items renewed every Fall:

- \$2500 – shipping, maintenance, repair/replacement of demonstration equipment (2 large crates) used for the “Hands-on Demonstrations” and “Listen-Up and Get Involved” outreach events to local students at each ASA meeting. A significant cost is the shipping of these two large cases from ASA headquarters to the Spring/Fall meeting sites. These hands-on demonstration outreach events cannot happen without this equipment.

New (non-recurring) Budget Requests

- \$1500 – for Undergraduate Research Symposium Best Poster Awards *(we don't have an undergraduate research poster session planned for Denver or Nashville)*

We are anticipating that at least half of the 16 undergraduate students who participated in SUREIA 2021 will be attending and presenting posters at ASA 182 Denver and/or ASA 183 Nashville.

2. Budget items which are specific to the duties of the ASA Education and Outreach Coordinator

- \$5000 – Booths Initiative (SACNAS, AAPT, AAAS, NSBP, SWE)
- \$2000 – Booth Kits – purchase and distribution of ASA swag items at outreach events.
These funds allow Keeta to attend and staff a booth at 2-3 meetings of professional societies attended by students and teachers, especially those from underrepresented minorities, Specific meetings are selected dependent on location, time of year, and potential interaction.
- \$9700 – ASA sponsorship of ISEF (International Science & Engineering Fair)
- \$3000 – ASA sponsorship of USASEF (USA Science & Engineering Festival)
The charge to EDCOM in the 2019 ASA Rules (section 28) stipulates that EDCOM will provide judges (appointed by the EDCOM chair) to represent the Society at international science and engineering fairs held in North America. Prior to 2022, ASA leadership has committed to financially sponsoring both science fairs, and the sponsorship gets the ASA logo and brand displayed. In addition, Keeta coordinates outreach activities and staffs a booth at these events and works with the judges awarding prizes for acoustics entries.
- \$3000 – ASA sponsorship for PhysCon
ASA has committed to sponsoring workshops and special acoustics related events at PhysCon meetings in even-numbered years. In addition, Keeta staffs a booth at this event

Additional proposed Budget Cuts requested by the Executive Council:

- Looking forward, the Executive Committee has specifically requested that ED consider curtailing (or terminating):
 - **ASA sponsorship/attendance/participation at ISEF** (Intel International Science and Engineering Fair)
 - EC has suggested terminating support for ISEF (saving \$9700 per year) starting 2022
 - **ASA sponsorship/attendance/participation at USA-SEF** (USA Science & Engineering Festival)
 - **Booths Initiative**
 - **Booth Kits**
- Request volunteers to serve on a Booths Initiative Subcommittee (with Keeta Jones and Dan Russell) to:
 - Develop metrics to assess the effectiveness and return-on-investment for ASA involvement in USASEF and STEM Booths (SACNAS, AAPT, NSBP, SWE, PhysCon)
 - Recommend reduction of costs to support this activity.

Volunteers?

Discussion:

Reports from ED subcommittees

SMMfL (Students Meet Members for Lunch)

Update from **Martin Lawless** . . .

We have a fairly low turnout from students for ASA 182 Denver. Only 38 students (out of the 84 who checked the box on pre-registration) filled out the questionnaire. We had 45 members sign up, so we were able to successfully match every student.

We have some known issues where some students that are checking the box on pre-registration are not on the list that Elaine sends me after registration has closed. We have a feeling that this is happening with members as well but are not sure. I think I checked the box and I was not on the list, but honestly, I do not remember exactly. I'm hoping to meet with Zane and Elaine during the conference to discuss other ways of having both students and members sign up that does not involve a multi-step process.

2022 Rossing Prize in Acoustics Education

The 2022 Rossing Prize Selection Subcommittee is:

Dan Russell (ED Com chair 2018-2024)

Dan Ludwigsen (appointed by ED Com chair – 2022-2025)

Barbara Shinn-Cunningham (selected by ASA president – 2021-2023)

Karen Helfer (selected by Chair of Prizes & Special Fellowships Chair – 2022-2025)

Brad Story (selected by Chair of Prizes & Special Fellowships Chair – 2022-2026)

Five (5) nominations were received for the 2022 Rossing Prize, with no automatic carryover nominations from 2021. The members of the selection committee met via Zoom to discuss the nominations on Thursday, May 12, 2022. Each committee member scored the five nominations using a rubric and the scores were combined and discussed. From the five nominations, there were three who were considered notably worthy of receiving the Rossing Prize, and one nomination that was ranked slightly higher than the other two. The five subcommittee members unanimously agreed on the rankings for all five nominations. Pending approval by the ASA Committee on Prizes and Special Fellowships and the Executive Council, we hope to award the 2022 Rossing Prize in Acoustics Education at the Fall 2022 ASA 183 meeting in Nashville.

JASA Special Issue on Education in Acoustics

Final deadline for manuscript submissions was extended to **January 14, 2022**.

A total of 45 manuscripts were submitted. At least 40 were passed on to reviews. Approximately 25 have already been accepted for publication (12 have appeared in JASA monthly issues). Several more have been reviewed and revised and are awaiting acceptance. The rest are out for review or are under revision. We hope to have the official special issue released later this summer (July / August).

Special Sessions for FUTURE ASA meetings

ASA #184 – Chicago, IL – (May 8-12, 2023)

- **Education Assessment Research** – Andy Piacsek and Dan Russell
 - [Assessment of pedagogy, concept inventories, measuring outcomes . . . Where to start and stop assessment. How to assess what we do? Application of Education theory.](#)
- **Artistic vs Technical approaches to Acoustics** – Gordon Ramsey and Andrea Calilhana
 - [Connection between physics & arts . . . connection between acoustics as an art vs math/physics](#)
- **Using Math in Acoustics** – organizer??
 - [Description needed.](#)

ASA #185 – Sydney, Australia – (Fall 2023)

This is a JOINT meeting with the Australian Acoustical Society and WESPAC. The Technical and Executive councils have asked that these sessions involve a co-chair/co-organizer from both the ASA and also the Australian Acoustical society and/or one of the Asian acoustical societies.

- **Connections between Music and Math** – Andrea Calilhanna
 - [Description needed](#)
- **Online Resources for Teaching Acoustics (with a music flavor?)** – Andy Morrison and Joe Wolfe?
 - [Description needed](#)
- **Approaches to Acoustics Education in the Asia Pacific Region** – Marion Burgess and ???
 - [Description needed](#)
- **Distance Learning for Acoustics Professionals Across International Boundaries** – Marion Burgess and Dan Russell
 - [Description needed](#)

Reports from ASA Outreach and Education (Keeta Jones)

Keeta is on parental leave (new baby!!!)

SURIEA – Summer Undergraduate Research & Internship Experience in Acoustics

- 12 undergraduate students from underrepresented minorities (matched to mentors)
- One-week (in-person) Acoustics Summer School held in Chicago (*Kim Riegel, Eric Reuter, Adrian KC Lee*)
- 10-week research / industry internships with mentors/sponsors
- Exploring funding sources for 2023 and beyond.

New Business . . . things to think about for the Future of ED COM

Discussion?

Call to Adjourn: