

UNOLS Arctic Icebreaker Coordinating Committee (AICC)

Sam Laney, Chair

UNOLS Fall 2019 Meeting

Nov 21-22, 2019

Alexandria VA



AICC Mandate & Scope of Activities

- ❖ Mandate: Support US academic research use of Arctic icebreakers
 - Primarily US assets (USCGC Healy, RV Sikuliaq)
 - Also all other US Arctic research on icebreakers (e.g. MOSAIC).
- ❖ Role: planning assistance, liaising, ombudsman, guidance, etc.
- ❖ Partnering agencies & entities: USCG, NSF, ONR, NOAA, BOEM, USGS, NASA, NPRB, & the Arctic Research Commission, others.
- ❖ Other stakeholders: Continuing increase in interactions and dialogue with regional stakeholders in Bering Sea & Alaskan Arctic: e.g., AEWC and AWSC

AICC Current Membership & Composition

| NAME | AFFILIATION | TERM |
|--|--------------------|----------------|
| Aguilar-Islas, Ana (also serves as ex-officio on AICC) | UAF | 10/15 to 10/21 |
| Doug Baird (Chair-Elect, RVOC, RVOC Rep to AICC) | UAF | 10/19 to 04/22 |
| Hartz, Steve * (RVTEC Rep, ex-officio) | UAF | 05/07 |
| Laney, Sam (Chair, AICC) | WHOI | 02/19 to 02/22 |
| Laurie Juranek | OSU | 04/19 |
| Lomas, Michael | Bigelow Laboratory | 08/14 to 08/20 |
| Persson, Ola | CU-Boulder | 10/15 to 10/21 |
| Polashenski, Christopher | USACE-CRREL | 08/14 to 08/20 |
| Ruppel, Carolyn | USGS | 10/15 to 10/21 |
| Swift, Jim (Chair of FIC, ex-officio AICC) | UCSD | 12/15 |
| Welker, Jeff | UAA | 10/15 to 10/21 |

- ❖ 8 of 8 seats filled
- ❖ Newest member: Dr. Laurie Juranek (OSU)
- ❖ Diversity in institutional & disciplinary representation
- ❖ Ex Officio: RVTECH, RVOC, FIC, UAF
- ❖ Other 2019 turnover:
 - RVOC rep (Baird)
- ❖ Upcoming turnover:
 - 2 seats in 2020
 - 4 seats in 2021

AICC Activities since UNOLS Spring meeting

❖ 2019 Meetings:

- Winter meeting rescheduled as telecon 4/16/2019 (AICC-plus)
- Summer telecon: AICC executive meeting (2018 cruise review)
- Late summer telecon: 9/4/2019 (AICC-plus)
- Invited telecon: 12/3/19, Arctic research vessel reporting (DoC)
- Winter meeting: January 15-16 2020 at CG Base Seattle

❖ Organizational efforts & activities:

- 'Normal' duties as per Annex VI
- Maintaining full constitution of the committee
- Reviewed AICC Annex VI in October 2019: minor edits
- Updating AICC webpage to reflect current USCG, UAF information
- Structural changes to AICC meetings & activities to be more proactive

Maintaining information sharing: AICC Winter Meeting

Information gathering & reporting from:

- USCG: *Healy* 2019 cruise feedback & 2020 outlook
- USCG HQ: U.S Coast Guard Headquarters Report
- UAF: *R/V Sikuliaq* update & 2020 outlook
- ARCUS: Foreign research vessels & other vessels in US EEZ
- SIO: STARC Support report
- USCG: C4IT Polar IT report, science data net
- Arctic Waterways Safety Committee / Standard of Care Document
- UAF: Update on UAF Community & Environmental Compliance Standard Operating Procedures, (CECSOP) for the *R/V Sikuliaq*
- Interactions with others - clearances, permits, native communities

Proactive Topics for Jan 2020 AICC Winter Meeting

- *Healy* 20th year in service: UNOLS/AICC recognition
 - Small ceremony at CG Base Seattle (current & former COs)
 - Letter to Commandant, USCG (UNOLS Chair, AICC Chair)
 - Considering short article in appropriate publication (e.g. EOS)
- New aspects of winter meeting format: new activities & efforts
 - *Healy* – AICC ‘icebreakers’: building ties with Coast Guard
 - Ship briefings / tutorials: operational feedback from ships
 - On-ice evolutions, ROV operations, net towing, etc.
 - Workshops: a) cruise feedback & debriefs, b) cruise logistics
- *R/V Sikuliaq* will be in port Seattle/UW in January
 - Technical exchange & *Sikuliaq* tour for *Healy* officers/chiefs

Proactive: concerns with cruise feedback process

- 2019: some major issues with PI research not reported to AICC via usual process/channels
- AICC has been using a separate (non-UNOLS) cruise feedback process for *Healy*, via Chief Sci.
- Exploring new ‘ombudsman’ form for any issue not being resolved via normal channels
- Mechanism for notifying AICC
- Improving institutional memory
- Jan 2020 workshop with Healy CO & officers: revisiting overall feedback & debrief process → two-way

Part of AICC's mission is to serve as an ombudsman to help UNOLS researchers and the operators and support teams of US research icebreakers identify areas where current procedures can be improved and to coordinate solutions to such problems. Use this form to provide the AICC with information about issues or situations (specific or chronic) where established or actual procedures did not match expectations. This form should be reserved for problems or concerns that were not or could not be resolved by following established procedures or through existing and expected channels. A memo can be attached if relevant information isn't accommodated by the form.

Submit the form and any attached memos to the current AICC Chair as indicated on the UNOLS AICC website. The Chair will distribute it within the AICC to review the issue and follow up with relevant parties as deemed appropriate. These forms will be reviewed by the AICC at its next meeting if not before and will become part of a longer record to maintain institutional memory. Confidential issues or items inappropriate for general distribution should be brought to the attention of the AICC Chair directly.

TO BE COMPLETED BY REPORTING INDIVIDUAL (RI)

Name of Reporting Individual (RI)

Today's date:

RI's home institution:

RI's role during cruise: Chief Scientist PI Science party Technician/support Officers/crew Other (describe)

Details of issue being reported

| | |
|---|---|
| Timeframe / dates: | Ship (SIKULIAQ, HEALY, other) & Cruise #: |
| Chief Scientist (if not RI): | Location (in port, at sea, other): |
| Agency/Program supporting RI's project (if applicable): | Name of relevant program manager (if applicable): |

Aspects of the issue and consequences (check all that apply)

| | | | |
|---|--|---|--|
| <input type="checkbox"/> personal safety / hazard | <input type="checkbox"/> logistics pre/post cruise | <input type="checkbox"/> impacted main research aims | <input type="checkbox"/> issues with procedures |
| <input type="checkbox"/> ship's equipment or facilities | <input type="checkbox"/> deck work / evolutions | <input type="checkbox"/> major costs / damaged gear | <input type="checkbox"/> issues with roles/personnel |
| <input type="checkbox"/> PI equipment or instruments | <input type="checkbox"/> workplace climate | <input type="checkbox"/> affected subsequent research | <input type="checkbox"/> issues with communication |

Summarize the issue of concern:

AICC: looking ahead to 2020 & upcoming challenges

- Operations on USCGC *Healy*:
 - 2020 cruises: maintaining good relations & excellence
 - Upcoming mid-life refit
 - 2020: Antarctica support US treaty obligations - cancelled
 - Diminishing NSF-driven interest in Healy-based projects
- Operations on *R/V Sikuliaq*: continued excellence
 - Continued use of CECSOP; good stakeholder relationships
- Maintaining momentum with new mechanisms for proactive solutions to longstanding issues (cruise feedback, logistics)
- Substantial committee overturn in 2020-2021: recruitment