

- DeSSC membership
- NDSF vehicle updates
- Other activities



# DeSSC Membership

#### Current members

Roxanne Beinart (URI), Friend of Alvin
David Caress (MBARI)
Brian Glazer (Univ. Hawaii)
Leila Hamdan (Univ S Miss)
Jeff Marlow (Boston U)— (Amanda Demopoulos (USGS))
Anna-Louise Reysenbach, Chair (Portland State U)
Andrew Thurber (OSU), Friend of Jason
Dorsey Wanless (Boise State U), Vice Chair DeSSC
Scott White (Univ, SC), Friend of Sentry

Peter Girguis, (ex-officio, Harvard)
Rob Munier (ex-officio, WHOI)
Tim Shank (ex-officio, WHOI)
Adam Soule (ex-officio, WHOI)

#### ROV Jason 2020

- Four cruises
- 3 cruises deferred due to COVID-19
- Jeff Seewald ROV Jason/RV Atlantis
- David Schmidt ROV Jason/RV Thompson
- Deborah Kelly ROV Jason/RV Thompson (2 cruises)
- William Chadwick ROV Jason/ AUV Sentry/ RV Thompson
- 2021 Very ambitious busy schedule





## Sentry

- Successful joint operation with Alvin and Sentry
- Lost 130 operating days due to COVID-19
- Recent Chadwick expedition with joint
  Jason and Sentry operations went well (5
  days lost to weather)

Numerous upgrades have greatly improved and stabilized performance.



### Other Activities: Abyss workshops

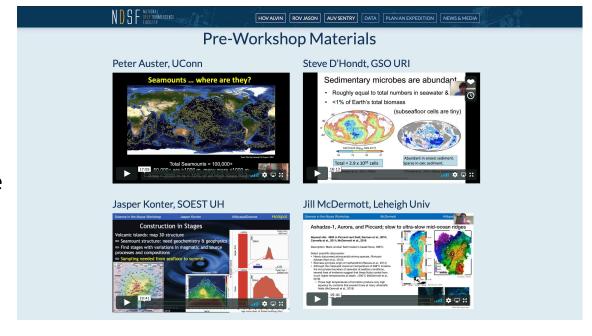
**Committee:** Adam Soule, AL Reysenbach, Tim Shank, Jeff Marlow, Andreas Teske, Dorsey Wanless, Jeff Seewald, Bruce Strickrott, Rika Anderson

- Synthesize community input into a publication describing science priorities at abyssal depths.
- Develop a white paper outlining science verification activities for 6500m HOV Alvin.

#### WORKSHOP- 'minilabs'

• Four online sessions. Participants watch pre-recorded presentations and spend 90 minutes in breakout group discussion on a common set of questions.

- Abyssal Plains & Seamounts
- Trenches & Transforms
- Technology & Societal Relevance
- DEI



>150 registered/workshop, each held twice at different time zones

## Other Activities: Abyss workshops

• *In progress:* Synthesize community input into a publication describing science priorities at abyssal depths.

• *In progress:* Develop a white paper outlining science verification activities for 6500m HOV Alvin.

#### Other activities:

- Data streamlining between vehicles
- Imagery user (new and old) skills workshop (s) in collaboration with NDSF (Andy Bowen)
  - NDSF curriculum
  - · to teach the basics and fundamentals of capturing
  - high quality video and underwater stills. This will be largely based on video and stills
  - examples of actual film and science missions over the past few decades
  - Materials developed, can plan science workshops
    - Assembling a committee
    - Format scenarios
    - Tentative plan March 2021
- DeSSC Dec 2020, early Dec date TBD. Format will be adjusted because it's online
- New User meetings AGU/ASLO
- Other thoughts: NDSF staffing and Covid impact on teams and science
- · Thanks!