

DeSSC fall meeting 2015



Overview

- Brief DeSSC “highlights”
- DESCEND2: Charting a course for the future of deep sea research
- Where art meets science
- Introducing our 5th (!) class of early career scientists

DeSSC membership

Amanda
Demopoulos

David
Emerson



Vicki Ferrini

Peter Girguis



Nick
Hayman

Laura
Lapham



George
Luther

John
Wiltshire



DeSSC membership

Amanda Demopoulos

David Emerson

Vicki Ferrini

Peter Girguis, Chair (2nd term)

Nick Hayman

Laura Lapham

George Luther (rotating off)

John Wiltshire

Adam Soule (ex-officio)

Rob Munier (ex-officio)

Tim Shank (ex-officio)

committee composition

2 early-career scientists

3 mid-career scientists

3 senior scientists

3 female, 5 male

New DeSSC members

Cindy Van Dover

- *Professor, Duke University*
- *Represents biological sciences*
- *Former Alvin pilot, DeSSC member*



Upcoming opportunities to join DeSSC

Looking for a geochemist

- Representing aquatic/hard rock geochemistry
- Looking to maintain gender balance, career stage
- Call for nominations will likely go out in January 2016

Chair

- I'll be rotating off summer of 2016
- Call for nominations will likely go out in January 2016
- Feel free to contact me if you'd like more info

Opportunities to help DeSSC

Ad hoc service is a a great way to pitch in without committing to DeSSC membership

- Outreach program
 - Contact Annette deSilva or Karyn Rogers
- Telepresence program
 - Contact Annette deSilva, Vicki Ferrini
- Social media (could definitely use some help)
 - Contact Annette deSilva or me

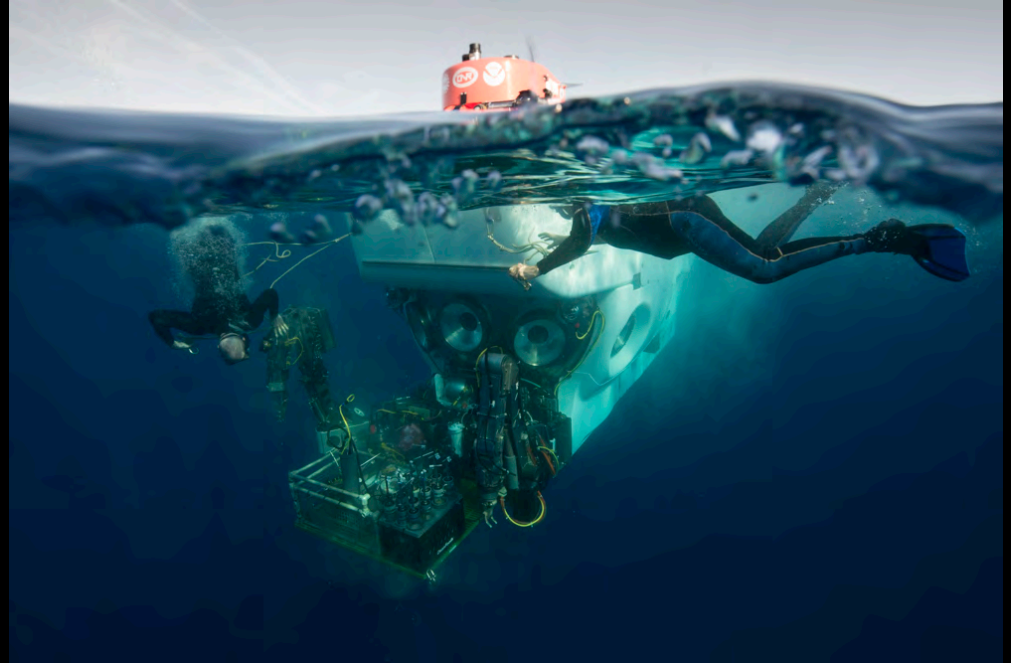
A HUGE “thank you”
to George for his
tremendous service
to both DeSSC and
RHOC over the last
6+ years



Highlights from 2015

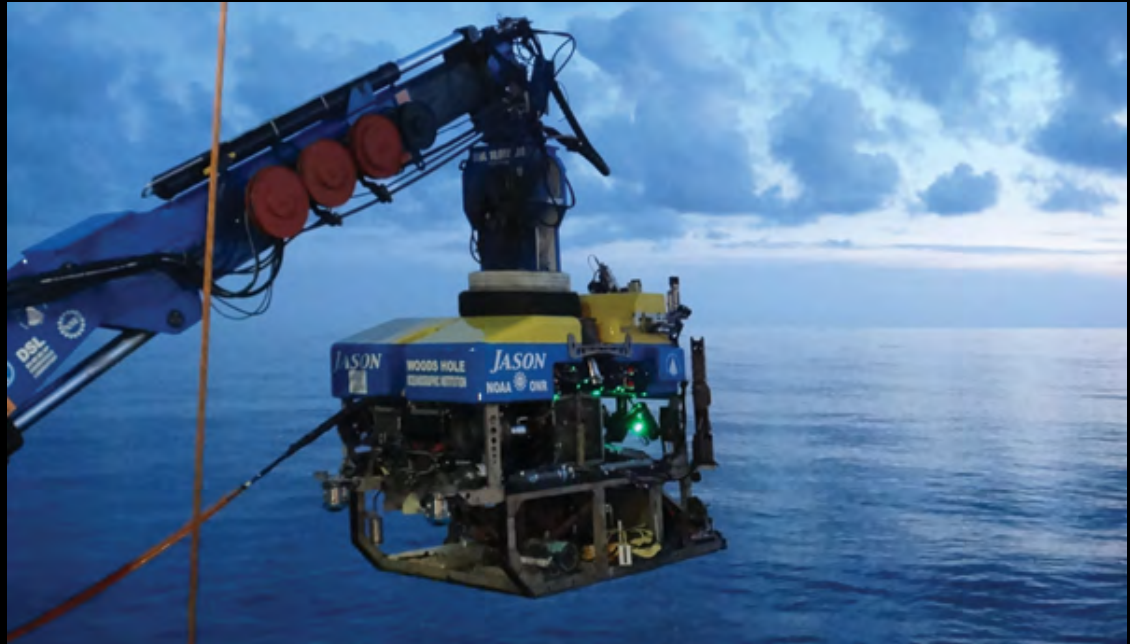
HOV Alvin

- Sub operating well, but VERY LIGHT schedule this past year
 - Fewer global class vessels may have adversely impacted *Alvin* schedule
- “Advanced” user workshop with the sub at WHOI
 - Compliments to Adam Soule



ROV JASON

- new ROV launch and recovery system: improved safety, efficiency
- ROV JASON has been updated to better service the ocean observing systems



AUV SENTRY

- Sentry continues to work well
- Busy schedule
- Ongoing upgrades will improve performance; user experience
- *Sentry* continues to be a very popular and robust vehicle.



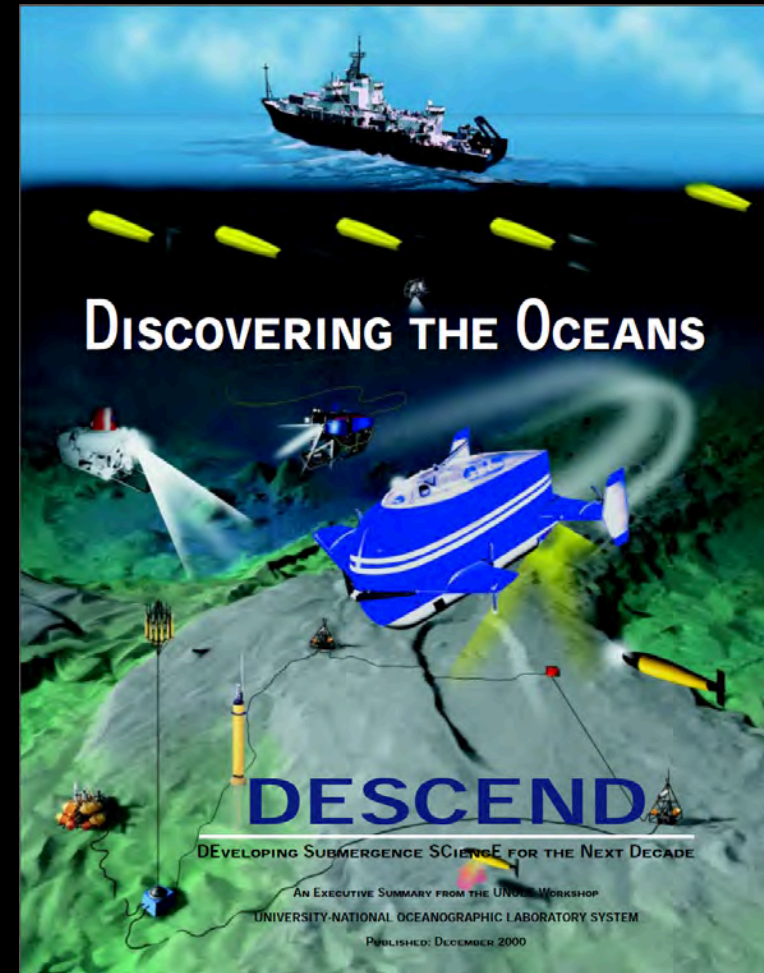
"Have a very SENTRY Christmas and Happy Holidays!"

DeSSC activities

- Responded to NSF's Decadal Ocean Survey
 - Response was well received; few concerns about NDSF (response is on UNOLS website)
- Working to better understand / establish the value of telepresence to science
- Aiming to incorporate some added sampling capabilities to the vehicles
- Developing agenda for the DESCEND2 workshop

DESCEND2 workshop

- Jan 14-15, 2016
- Identify critical questions and the technologies necessary to address them.
- ~80-90 participants
- Report to be provided to NSF and the public
- website will go LIVE on January 15th the UNOLS DeSSC webpage
 - *participants will be emailed as well*
 - Meeting will be WEBCAST



1999 DESCEND workshop report

Putting the ART in S.T.E.M. (S.T.E.A.M. !)

Not all art is good art



"A very SENTRY Christmas!" By PR Girguis

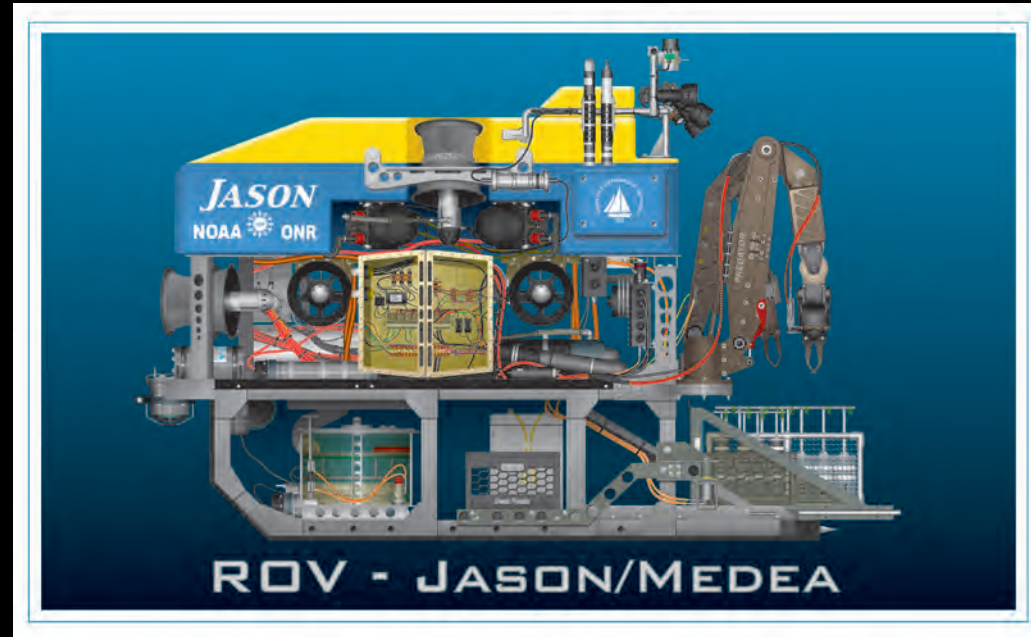
But then there is GREAT ART

- Lily Simonson is an artist who has participated in numerous seagoing expeditions
- Her art is a phenomenal tool for bringing ocean sciences to a very broad audience
- She is here today; talk with her about working with you on EPO.



HOV Alvin and JASON prints available

- *Commissioned from Kenn Berry, Austin TX*
- These high quality prints are available for \$40 (see me)
- I hope to work with WHOI to make these into tee shirts
- If there is interest in an AUV Sentry drawing, let me know



INTRODUCING *the 2015 new user group*

- *This is our fifth class of new users!*
- *Please take some time to introduce yourself and make them feel at home...*