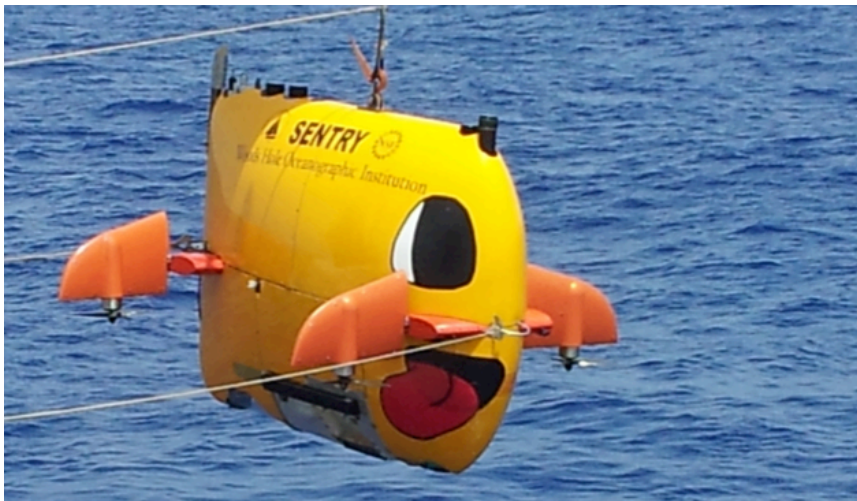
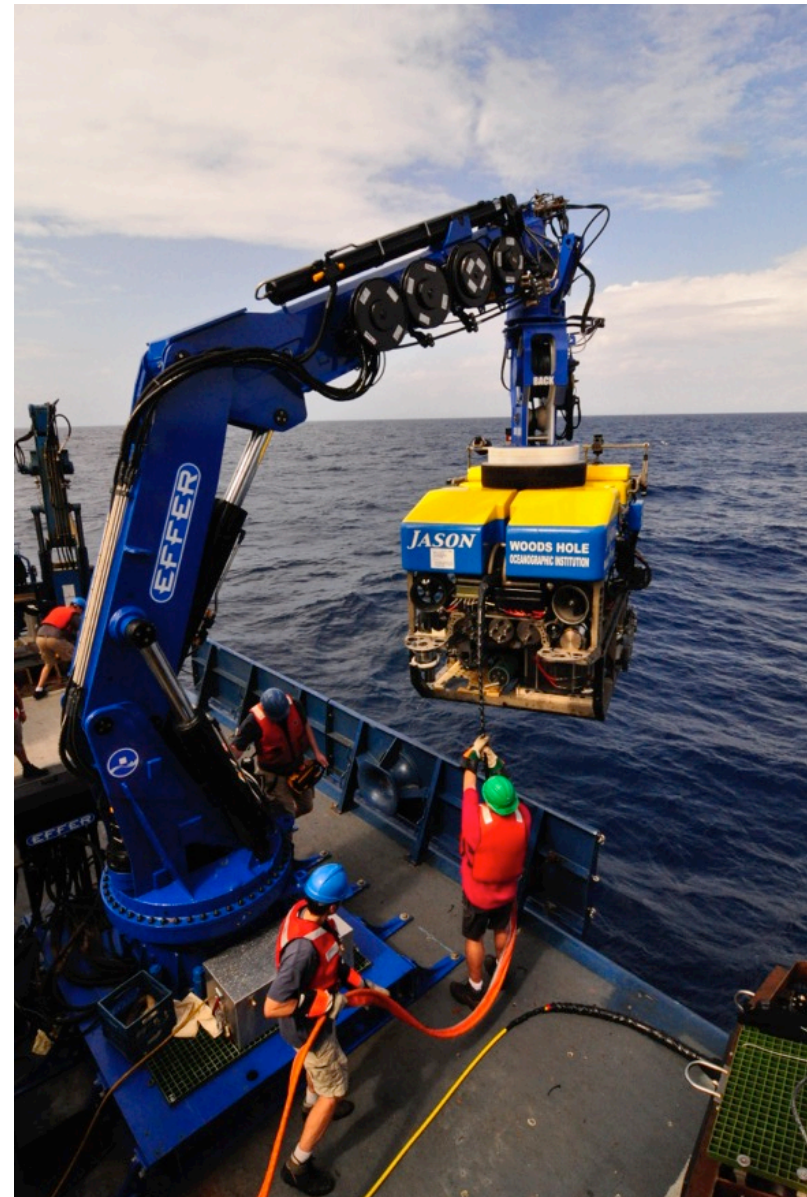
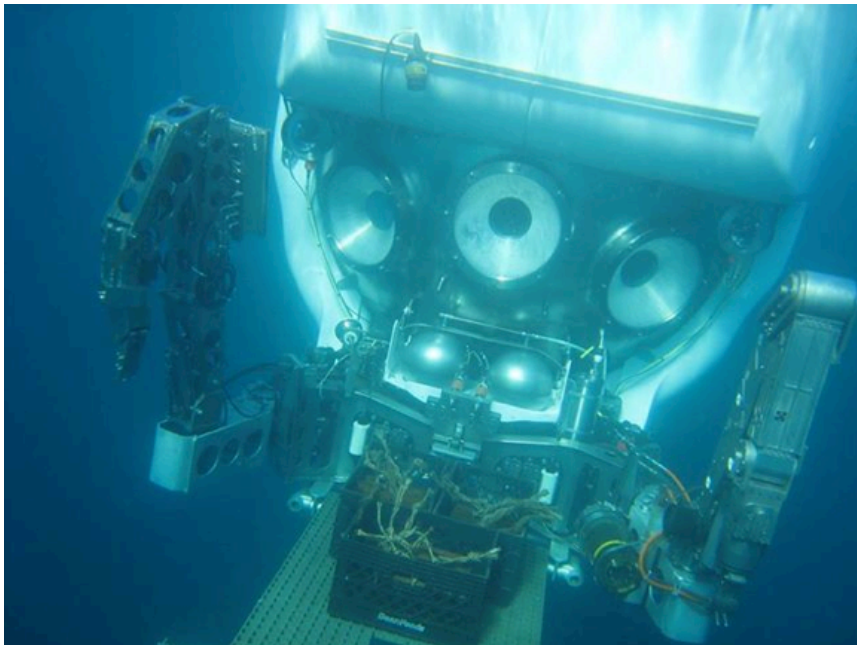


DeSSC Early Career Scientist Program

December 7th, 2013



Welcome



- **Deep sea research is, in many ways, a young field**
 - In the 19th century, it was commonly held that the deep sea is home to little or no life
 - 1932 was humankind's first peek into the deep
 - Science submersibles did not really exist until ~50 years ago
 - Plate tectonics was finally accepted ~40 years ago
- **Today, there is growing recognition that the deep sea is of great relevance to our geosphere and biosphere**
 - contains 90% of all volcanic activity
 - harbors an enigmatic microbial community in the sediments and subsurface aquifer
 - A major unconstrained influence on planetary biogeochemistry

ECS program



- **This is your program, and we are your guides**
- **The objectives of this program are to:**
 - Introduce you to the community
 - further your understanding of how our science is supported
 - enhance your ability to develop your own science program
 - present to you the recent advances in technology
- **We hope that you:**
 - leave here informed and inspired
 - some of you will consider writing a proposal this year to use deep submergence assets
 - you will continue to remain engaged with us, either as a returning participant or –better yet- as a volunteer

ECS program, cont'd



- In addition to the people here today, Annette and I have a list of more senior scientists who are willing to be your mentors, in particular as you write your first proposals
- That list is available to you upon request
- Everyone in this room is here for you. Do not let shyness or timidity get in the way of your questions, interests, or ideas!

ECS program, cont'd



- **Don't forget that you are required to attend the DeSSC meeting tomorrow.**
- **First, we will be asking you to introduce yourself in 10 seconds or less**
 - name, institution, broad interest (e.g. geophysics)
- **Second, you'll all be asked to come on stage and present your slides. Keep it short, sweet and focused.**
 - Feel free to tell them what you're looking for (grad school, postdoc, a job even...)

The difference between the NDSF and DeSSC



The National Deep Submergence Facility (NDSF)

- Provides US investigators with access to deep submergence vehicles via the UNOLS shiptime request system
- Facilitates the collaboration of scientists and engineers to advance technologies for deep sea research

Deep Submergence Science Committee (DeSSC)

- Advisory committee established by UNOLS
- Represents the scientific community's interests
- Provides recommendations and advice to the NDSF
- Supports and advises funding agencies
- Promotes use of the facility via outreach, early career workshops

DeSSC membership



Current members

Peter Girguis, Chair

Dave Emerson

Vicki Ferrini

Breea Govenar

Laura Lapham

George Luther

John Wiltshire*

Wiebke Ziebis

Tim Shank (ex-officio)

Chris German (ex-officio)

Rob Munier (ex-officio)

* = renewed for another term

Membership

- Anyone can self-nominate for membership
- Members are voted on by the UNOLS Council
- 3 year term
- possible 2nd term
- Meet in the Spring at WHOI with the NDSF
- Host the Fall DeSSC “town hall meeting”

How you can help

- **You can pitch in, no matter how young or inexperienced**
 - Help us find deep-sea relevant news for social media updates
 - Volunteer to help DeSSC or UNOLS at AGU meeting
 - Help DeSSC throughout the year
 - Form your own groups
 - Just let us know what you'd like to do, and we'll see if it can be done.



“really early” career scientists promoting the NDSF

Where science meets art

- *Lily Simonson is an artist who has participated in deep sea expeditions.*
- *Lily has been using her art as an effective tool for engaging a broader audience in ocean science. She has many wonderful success stories to share.*
- *We invited her to join us today to share her art and to talk with you about her blending of science and art*
- *We encourage you to talk with her about participating in your own EPO activities.*



Don't Judge the Tubeworms, 2007, Oil on canvas, 60 x 84 inches

A little bit of fun: *HOV Alvin* prints available

- *This print was drawn by Ken Berry of Austin, TX.*
- *Printed on 19 x 13 acid-free stock, and it's really nice with lots of detail*
- *\$40 a print.*
- *If you are interested, please email me at pgirguis@oeb.harvard.edu and I'll have Kenn send one your way.*

