

# WHAT TO EXPECT AS A SCIENTIST ON THE USCGC HEALY

Rebecca Woodgate and many others ...

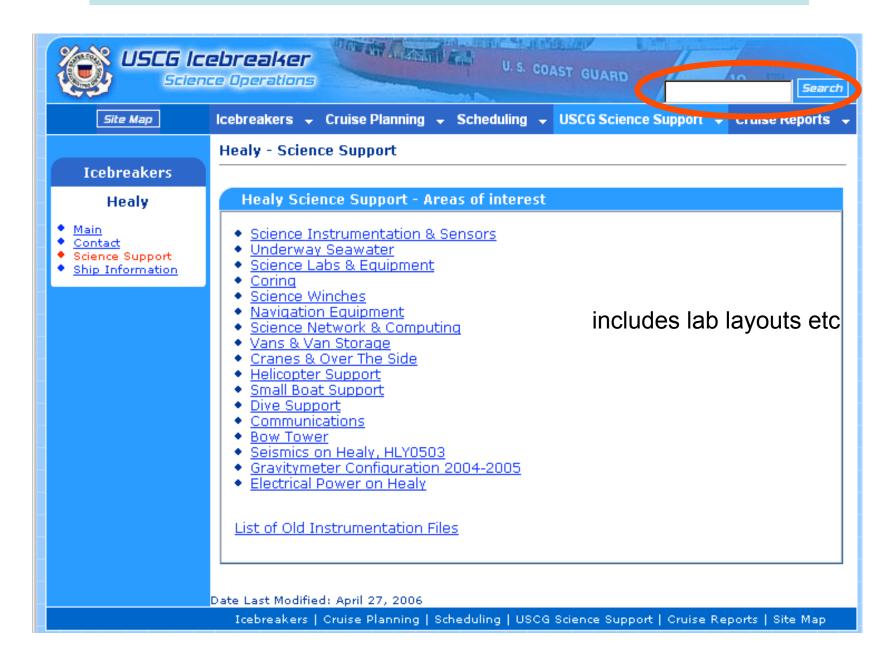


www.icefloe.net





# Main Website (science and general) www.icefloe.net



### **USCGC Healy**

- crew ~ 80
- science 35-50
- science equipment (see Dale's talk)
- great work platform



#### Important to remember:

- == BIG ship, so lines of communication are very important
- == COASTGUARD ship, -"top-down" organization
- crew swaps out every 2-3 years.

# WORKING WITH THE USCG

- pre cruise

(red = main contacts with science)

#### Relevant people on land:

Healy Science Liaison/Science Coordinator - Dave Forcucci NSF-funded Healy technical support - Dale Chayes AICC (Arctic Icebreaker Coordination Committee) (Other CG liaisons (for the Polars, Phil McGillivary, USCG))

#### **USCG (Top-down) Hierarchy (as relevant to Science Ops)**

**CO – Commanding Officer (i.e. Captain)** 

XO - Executive Officer (second in command)

**EO – Engineering Officer** 

**OPS – Operations Officer** 

#### Deck Officers (on the bridge) including

MSO – Marine Science Officer – in charge of:
MSTs (Marine Science Techs) with titles
MSTC (chief), MST1, MST2, MST3 (3=least experience)

#### Other relevant people at sea:

Bosun – (deck operations, usually asked via OPS or MSO) Medical Officer – (medical forms, on-board medical stuff)

## ARCTIC ICEBREAKER COORDINATING COMMITTEE (AICC)

UNOLS Charter - Annex VI

Margo Edwards, UH (Chair)	margo@soest.hawaii.edu
Peter Minnett, RSMAS	pminnett@rsmas.miami.edu
Robert Bourke, NPS	bourke@oc.nps.navv.mil
Henrietta Edmonds, UT Austin (Co-V. Chair)	edmonds@utmsi.utexas.edu
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# http://www.unols.org/committees/aicc

To facilitate science on the US Arctic Icebreakers

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#### Contacts:

(Ship expects one main person as contact to the science party)

Before cruise planning meeting – mostly with Dave/Dale via the Chief Scientist After cruise planning meeting – with Dave/Dale and/or OPS/MSO but good idea to copy emails widely. (Ask the ship how best to communicate with them.)

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**NSF-funded Healy technical support – Dale Chayes** 

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#### SCIENCE

#### Nightly planning meetings

Chief Sci, CO, XO, EO, OPS, Weather, NSF-tech (Dale ono), plus occasional
 CO/Science invites, as required for certain operations
 Significant things – mostly OPS via Chief Sci

**Smaller things – to MSO(??) and MSTs? (but they may have to ask up the chain)** 

#### **SHIP**

#### Quarters - Daily meeting of ship's crew on heli deck after lunch

- science welcome, good way of keeping up with what else is happening onboard

#### EXPECTED AND UNEXPECTED

- if they lack in experience, they make up for it in enthusiasm
- not the level of science support you get on a UNOLS ship, bring your own spares. If in doubt, ask (Dave/Dale).
- labeling on freight VERY important (many cruise legs a year) HLY-07-01, plus colour coding
- pager system for scientists and crew
- many people on ship other activities/ science outreach; hard work keeping everyone informed; white board for daily science, results, where-we've-been?
- science expected to help clean science spaces (materials supplied)
- HAZMAT rules tighter than airfreight. If in doubt, ask (Dave/Dale).
- Native communities <a href="http://www.nsf.gov/od/opp/arctic/conduct.jsp">http://www.nsf.gov/od/opp/arctic/conduct.jsp</a> assistance with this from AICC and NSF Chief Sci to make contact?
- Other (bed linen, towels, outsized survival suits,)
- ???

#### THINGS THAT NEED DOING

- = Cruise name HLY-07-01 (i.e. HLY-year-leg) mark this on all forms!
- = <u>Cruise Planning Questionnaire (Chief Scientist)</u>
- as soon as possible (can be modified as things change)
- operational guide (what science, what operations, loading info, how much freight, science equipment brought with you, science party details, links to native communities, ship equipment required, communications, etc)
- = Pre Cruise meeting on the Healy/ in Seattle
- December
- meet with ship's crew
- at least a visit to the ship
- TECHNICAL meeting, focused on logistics, bring your technical people
- = Medical forms (pdf to be emailed/sent to ship)
- = Shipping forms (including HAZMAT information), allowing you to track shipments to the Healy