

The background of the slide is a photograph of a research vessel, likely the R/V T-15, at sea. The vessel is white with a red hull and features a prominent mast with various instruments. A large crane is visible on the deck. The image has a grainy, high-contrast appearance.

RVTEC 2003 ONR Report

**John S. Freitag,
Code 321 RF**



Was that DSL or T-1 you ordered?



Research Facilities/321RF

News and changes at ONR

- **Internal Changes**

- Admiral Cohen announced that ONR has a new Technical Director, Dr. Stephen Lubard who has replaced Dr. Xan Alexander.
- Due to changing Navy priorities, several science programs have been realigned.

- **Research Facilities News**

- During 2003 ONR funded 793 days of UNOLS ship time
 - 168 on Global AGORS
 - 344 on Intermediate ships
 - 281 on smaller regional vessels
- Projections for 2004 Ship time
 - 834 Days were requested
 - 740 Days are funded but I anticipate that this will go up slightly.



Research Facilities/321RF

Ship Upgrades/Tech Refresh supported in 2003

- Z Drive overhauls & Gear upgrades on ATLANTIS, THOMPSON, MELVILLE
- Z Drive spares to allow timely recovery from catastrophic failure.
- KNORR & MELVILLE Propulsion electronics SCR Upgrade
- Autopilot – Dynamic Positioning upgrade on THOMPSON & KNORR
- New Radar Sets for KNORR
- Simrad EM-300 Multibeam for THOMPSON (Shared with DURIP and NSF)

Instrumentation funded from Plus Up

- ROADnet L Band satellite communication project for Pacific ships/Buoy
- Laser Wave measurement Project Terrill/REVELLE
- Communications upgrade for Point Sur to support Navy Projects
- Advanced Tethered Vehicle Activation Project SIO-MPL
- Comparative SWATH/Monohull motion study Curt Collins, NPS



Ongoing 321 RF Projects

- **ONR has funded the Ocean Class design study to follow the NSF funded Regional class study**
- **ONR is funding two proposals to study ship motion**
 - **Curt Collins at NPS Monterey is conducting a comparison study on POINT SUR and WESTERN FLYER.**
 - **Brian Taylor UW has been asked to submit a proposal to instrument Kilo Moana to study its response to sea conditions**
- **UW is instrumenting the Z Drives on THOMPSON.**



Iridium News

- **DOD has a major contract with Iridium through DISA.**
- **DISA is contemplating elimination of per minute charges for DOD SIM cards in favor of a flat rate of \$40 per month.**
- **DOD Gateway is in Hawaii, long distance charges apply from there. (This can be mitigated by using 2 handsets.)**
- **I am contemplating providing SIM cards to some ships on an experimental basis. It will be the large AGOR vessels initially.**



AGOR Science Inspection

- The next ship scheduled for INSURV is THOMPSON
- I will use 2 techs from this group to assist me in making the first science inspection.
- This is to be a constructive, non adversarial program with the stated intent of improving operations and spreading ideas through the fleet.
- It is my belief that this group is the best qualified to evaluate the Science outfit and practice on our ships.

Comparative time on UNOLS ships, by class

	<u>All Navy</u>	NSF	NOAA
Global 2004	110	1355	227
Global 2003	190*	1150	207
Intermediate 2004	386	963	156
Intermediate 2003	334	928	260
Regional 2004	266	985	202
Regional 2003	229	757	172
* Includes 30 days Cal Plus Up and 30 days unused LWAD			



Scoreboard Winch Display
R/V MARAI

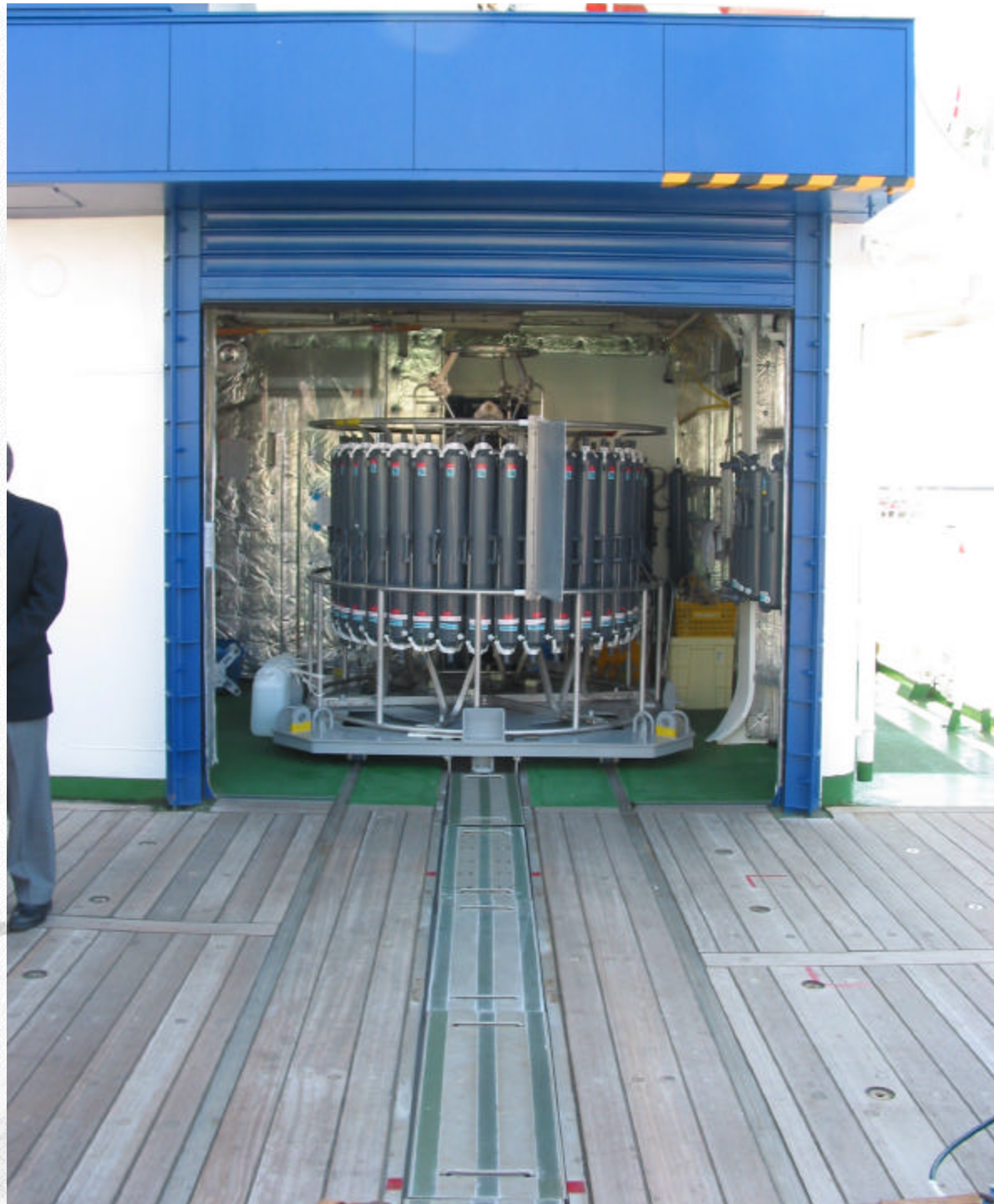


**Slack Wire
Tensioner
R/V MIRAI**

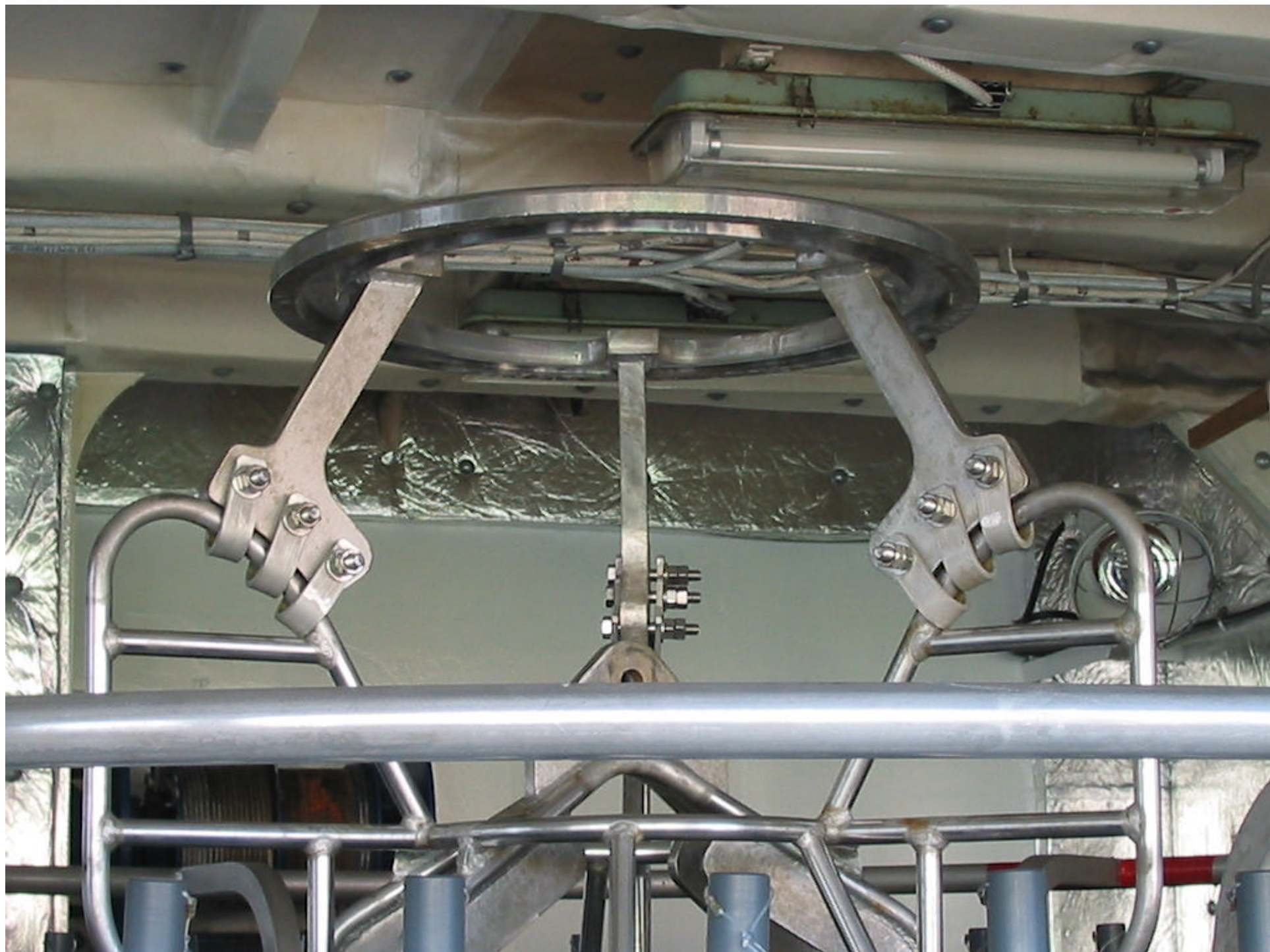
**Scoreboard Display
R/V MIRAI**

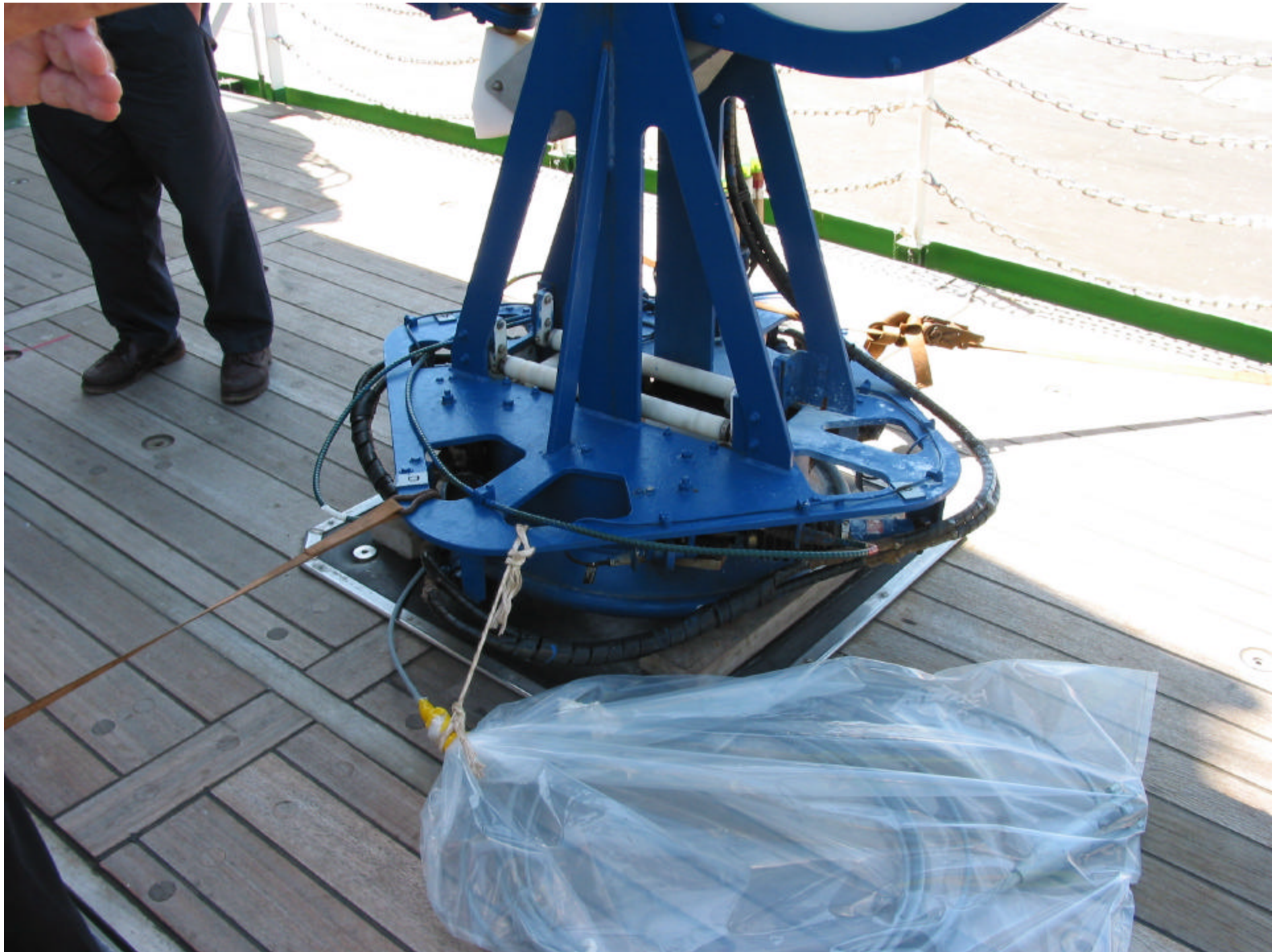








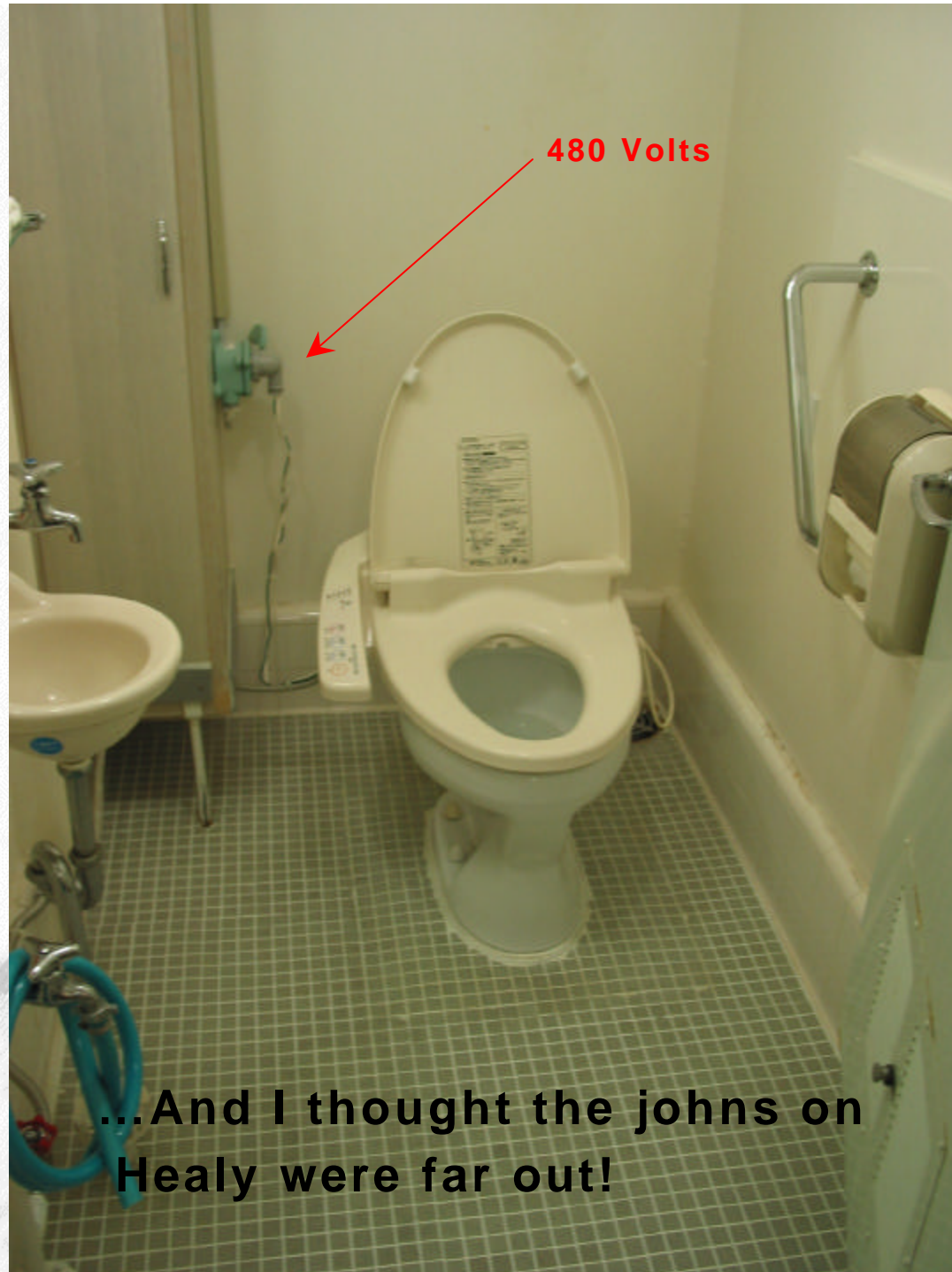








The first person to correctly identify this ship gets a free beer



...And I thought the johns on
Healy were far out!