

# 2010 Large Facility Workshop National Science Foundation





# *R/V Roger Revelle*

Built: 1996   Crew: 22   Endurance: 60 days

Length: 273 feet   Scientists: 37   Owner: US Navy

# R/V *Melville*

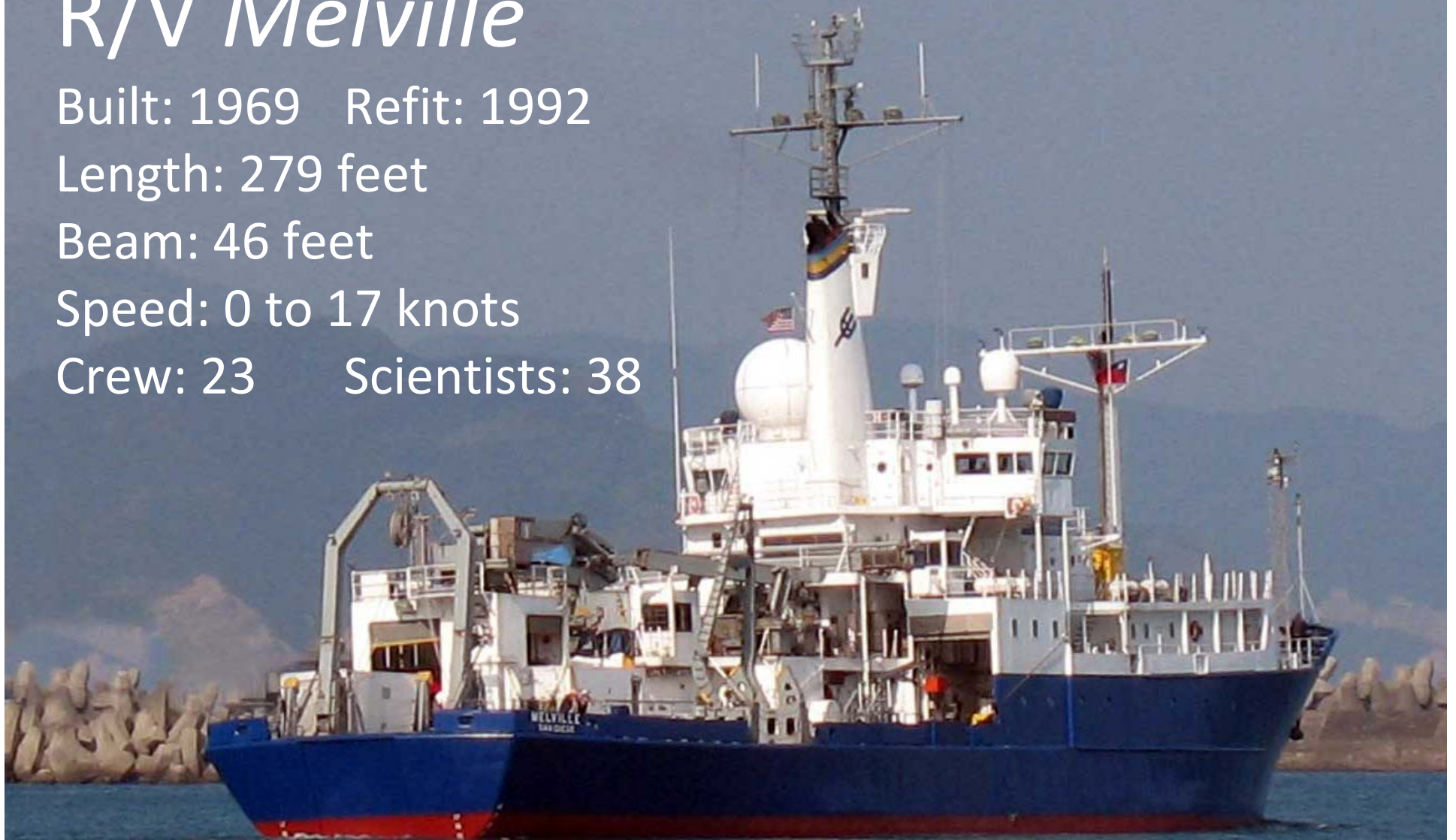
Built: 1969    Refit: 1992

Length: 279 feet

Beam: 46 feet

Speed: 0 to 17 knots

Crew: 23      Scientists: 38



Melville in Kao Hsiung, Taiwan 2009

# *R/V New Horizon*

Built: 1978 Crew: 12 Endurance: 40 days

Refit: 1996 Scientists: 19 Owner: Univ California

Length: 170 feet



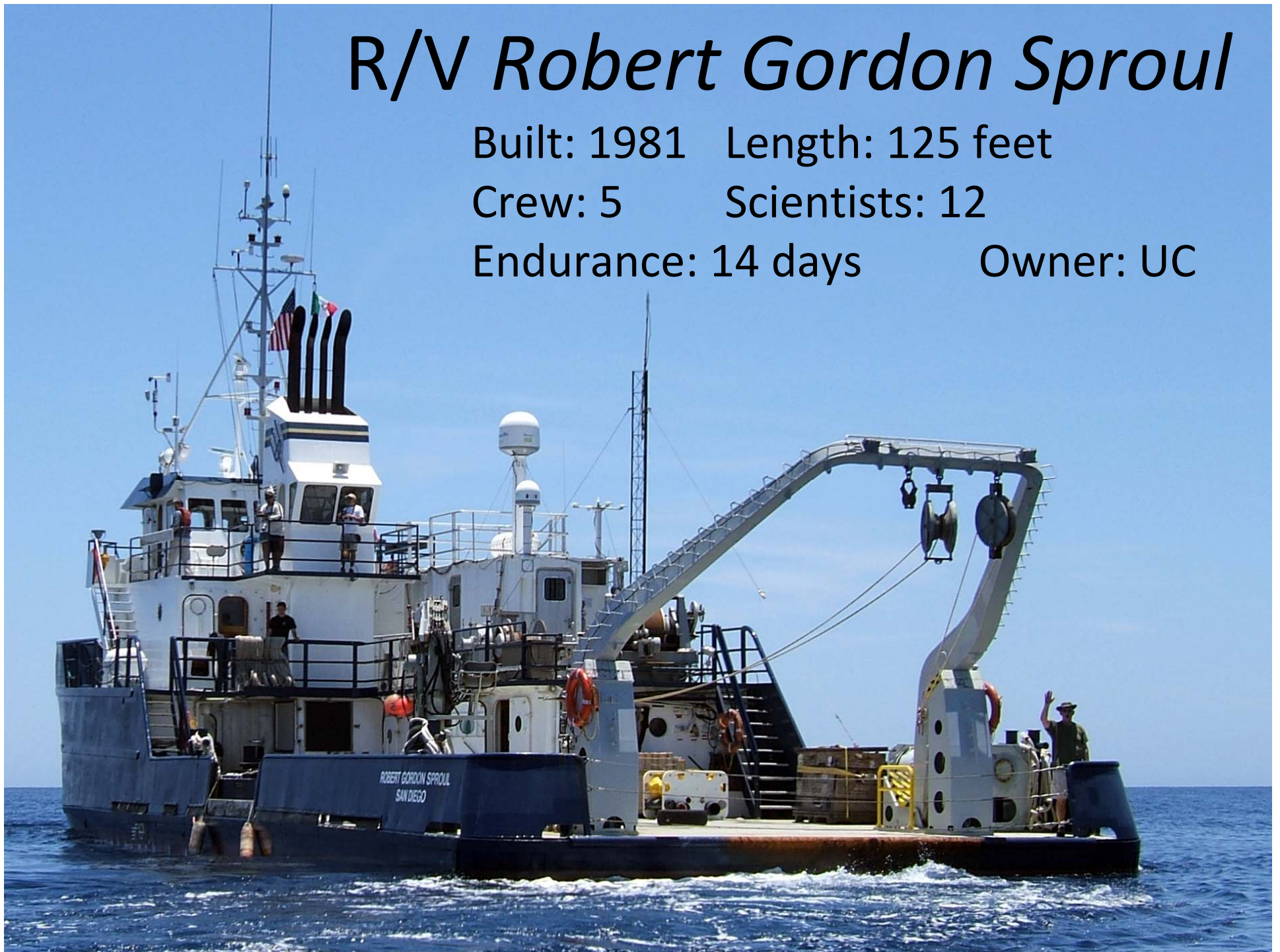
# *R/V Robert Gordon Sproul*

Built: 1981    Length: 125 feet

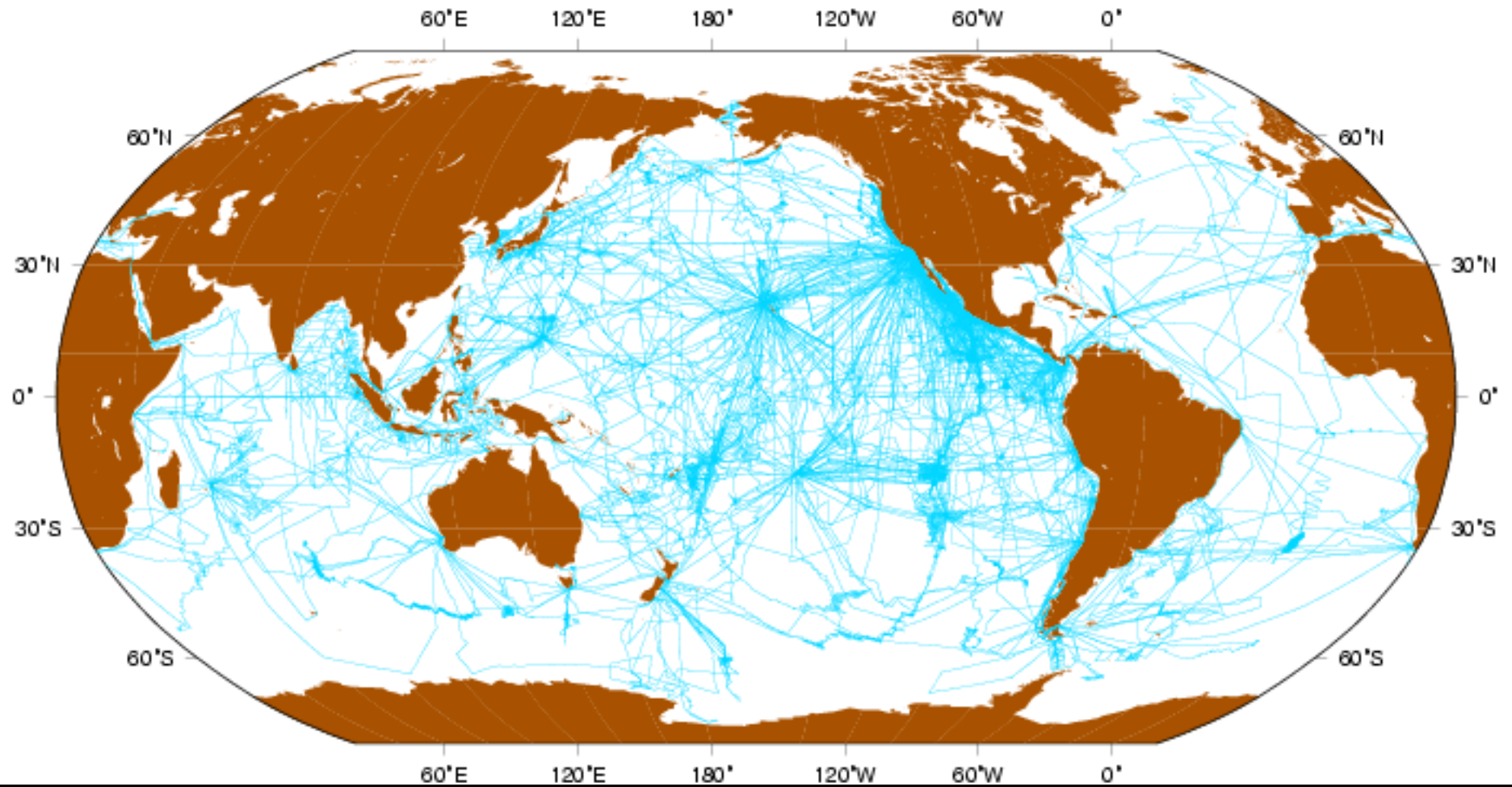
Crew: 5        Scientists: 12

Endurance: 14 days

Owner: UC

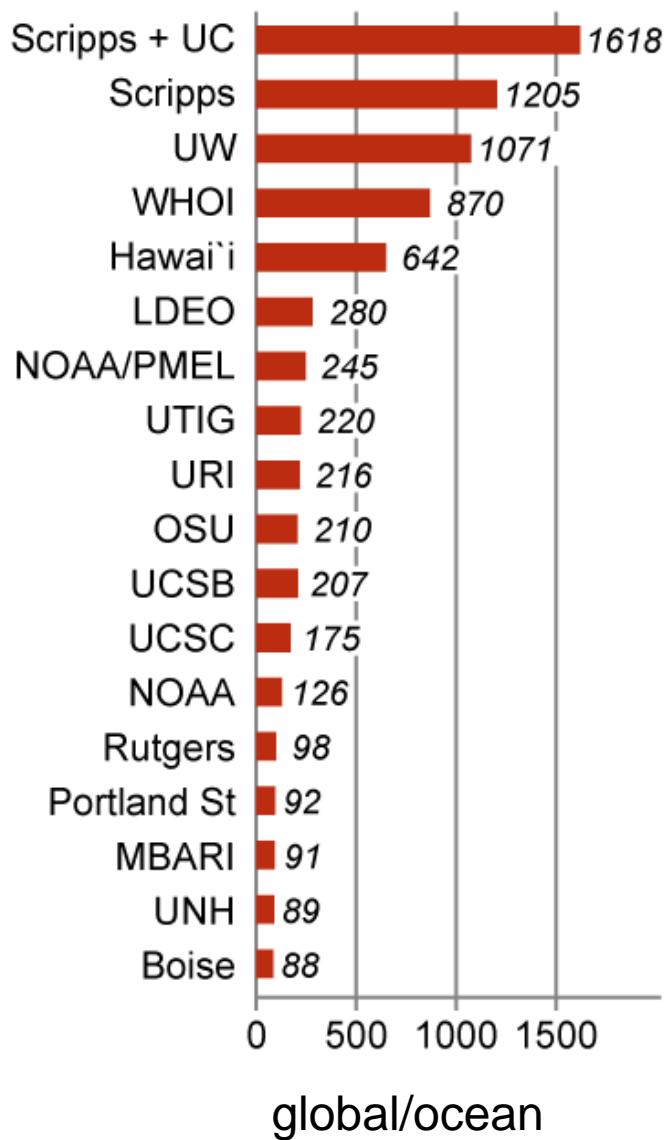
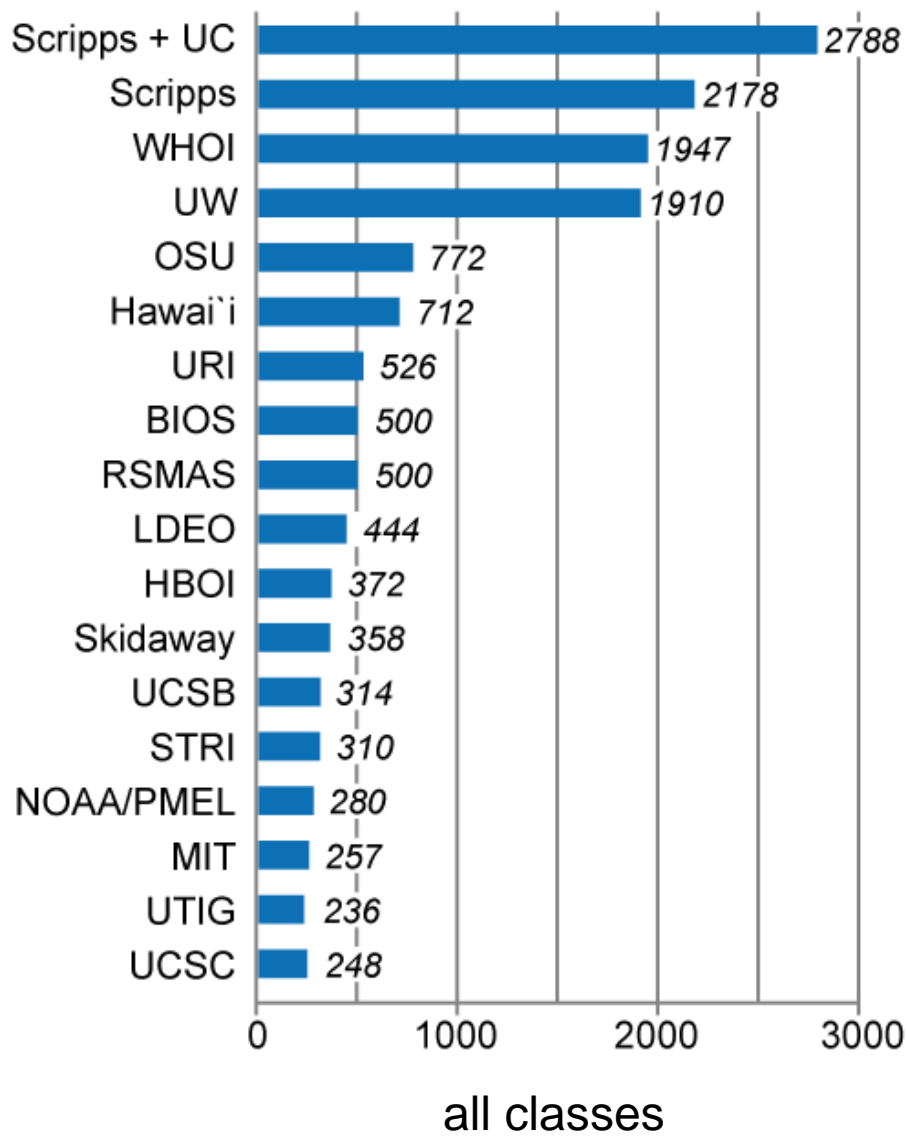


## *SIO Expeditions, 1952-2000*



Over 6 million nautical miles

# Funded days on US academic research ships CY2005-CY2009



<i>Table 3. Funded days at sea by Scripps and UC scientists</i>						
	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>Total</b>
<b>Global Class</b>	<b>318</b>	<b>276</b>	<b>320</b>	<b>222</b>	<b>257</b>	<b>1393</b>
<i>Scripps</i>	242	242	220	201	216	1121
<i>UCSB</i>	76	11	18	12	21	138
<i>UCSC</i>	0	0	74	9	20	103
<i>Other UC</i>	0	23	8	0	0	31
<b>Ocean Class</b>	<b>23</b>	<b>44</b>	<b>77</b>	<b>40</b>	<b>41</b>	<b>225</b>
<i>Scripps</i>	15	29	38	0	2	84
<i>UCSB</i>	8	15	3	40	3	69
<i>UCSC</i>	0	0	36	0	36	72
<i>Other UC</i>	0	0	0	0	0	0
<b>Intermediate Class</b>	<b>164</b>	<b>161</b>	<b>63</b>	<b>103</b>	<b>113</b>	<b>604</b>
<i>Scripps</i>	154	133	63	103	113	566
<i>UCSB</i>	10	0	0	0	0	10
<i>UCSC</i>	0	28	0	0	0	28
<i>Other UC</i>	0	0	0	0	0	0
<b>Regional Class</b>	<b>115</b>	<b>116</b>	<b>115</b>	<b>90</b>	<b>127</b>	<b>566</b>
<i>Scripps</i>	69	83	74	79	102	407
<i>UCSB</i>	46	29	16	0	6	97
<i>UCSC</i>	0	0	19	7	19	45
<i>Other UC</i>	0	4	9	4	0	14
<b>Total Scripps</b>	<b>480</b>	<b>487</b>	<b>395</b>	<b>383</b>	<b>433</b>	<b>2178</b>
<b>Total UC</b>	<b>620</b>	<b>597</b>	<b>578</b>	<b>455</b>	<b>538</b>	<b>2788</b>
<i>Data from UNOLS. Only funded research/instructional days are shown (maintenance, transits, overhauls and other non-research days were excluded).</i>						

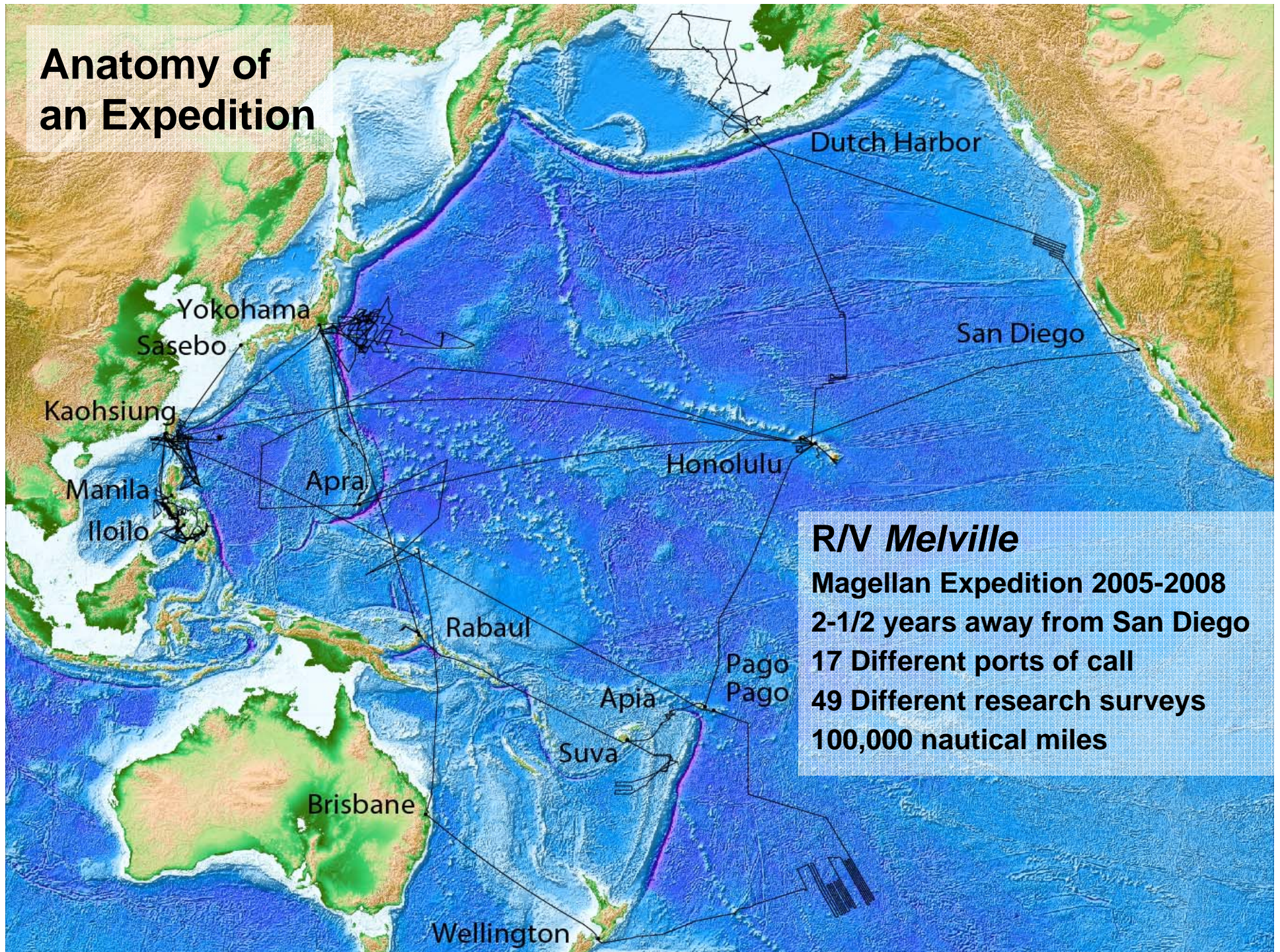


*Table 4. Research personnel who have sailed aboard Scripps-operated ships.*

	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009*</b>	<b>Totals</b>
Chief Scientists	64	80	89	82	56	371
Scientists & Postdocs	341	405	451	418	250	1865
Graduate Students	216	193	256	207	1971	1069
Undergraduate Students	70	85	70	53	69	347
Technicians & Engineers	401	404	399	383	250	1837
Observers & Outreach	78	66	65	88	13	310
<b>Totals</b>	<b>1170</b>	<b>1233</b>	<b>1330</b>	<b>1231</b>	<b>835</b>	<b>5799</b>

*\*Values for 2009 not complete (only includes JAN-SEP). Data from Scripps archives.*

# Anatomy of an Expedition



## ***R/V Melville***

**Magellan Expedition 2005-2008**  
**2-1/2 years away from San Diego**  
**17 Different ports of call**  
**49 Different research surveys**  
**100,000 nautical miles**

# *Scripps Nimitz Marine Facility*

- University of California, San Diego
- Home port for Scripps since 1965
- Four research vessels, one platform
- Named for Admiral Chester Nimitz, who was a UC regent from 1948 until 1956



