

## Appendix VI

### NSF Viewgraphs



# UNOLS COUNCIL, FEBRUARY 1998

## NSF REPORT

### Staff

- Robert Corell, Assistant Director for Geosciences appointment extended to December 31, 1999.
- Rita Caldwell, University of Maryland, nominated for Deputy Director, NSF

### Program Issues

- Modification/expansion of technical support for shared use instrumentation and data acquisition systems under consideration
- Guidelines for OCFS proposals to be updated/modified.
- Oversight committee (Committee of Visitors) recommends increased focus on "end-to-end" services and "quality of support" for ship operations in service of science projects.
- National Science Board (NSB) mandated review of current system for academic research fleet operations with emphasis on exploring more "cost-effective" methods of managing research ship operations



# NSF BUDGET REQUEST - FY 1999

(figures in millions)

	FY 1998	FY 1999	Increase	Percent
<b>Research and Related Activities</b>				
Biological Sciences*	370.82	416.52	45.70	12.3%
Computation and Information Sciences	307.17	329.64	22.47	7.3%
Engineering	357.97	400.55	42.58	11.9%
Geosciences	455.11	507.31	52.20	11.5%
Math & Physical Sciences	715.71	792.03	76.32	10.7%
Social & Behavioral Sciences	130.66	150.26	19.60	15.0%
Polar Sciences	228.53	244.96	16.43	7.2%
Critical Tech. Institute	2.73	2.73	0.00	0.0%
	<b>\$2,568.70</b>	<b>\$2,844.00</b>	<b>\$275.30</b>	<b>10.7%</b>
<b>Education &amp; Human Resources</b>	<b>\$632.50</b>	<b>\$683.00</b>	<b>\$50.50</b>	<b>8.0%</b>
<b>Major Research Equipment**</b>	<b>\$109.00</b>	<b>\$94.00</b>	<b>(\$15.00)</b>	<b>-13.8%</b>
<b>Administration/Operations</b>	<b>\$141.80</b>	<b>\$152.00</b>	<b>\$10.20</b>	<b>7.2%</b>
<b>NSF Total</b>	<b>\$3,452.00</b>	<b>\$3,773.00</b>	<b>\$321.00</b>	<b>9.3%</b>

\*BIO includes \$40.0M for Plant Genome Research

\*\*MRE includes \$31.0M for MPS projects, \$42.0M for Polar Sciences projects, and \$21.0M for GEO projects



# NSF BUDGET REQUEST - FY 1999

(figures in millions)

	FY 1998	FY 1999	Increase	Percent
<b>Geosciences</b>				
Atmospheric Sciences*	153.82	170.22	16.40	10.7%
Earth Sciences	95.13	106.70	11.57	12.2%
Ocean Sciences	206.16	230.39	24.23	11.8%
	<b>\$455.11</b>	<b>\$507.31</b>	<b>\$52.20</b>	<b>11.5%</b>
	FY 1998	FY 1999	Increase	Percent
<b>Ocean Sciences</b>				
Ocean Sciences Research	112.15	127.50	15.35	13.7%
Support				
Oceanographic Centers & Facilities	52.26	56.96	4.70	9.0%
Ocean Drilling Program	41.75	45.93	4.18	10.0%
	<b>\$206.16</b>	<b>\$230.39</b>	<b>\$24.23</b>	<b>11.8%</b>

\*MRE account includes \$21.0M for Polar Cap Observatory



# **NSF OCEAN SCIENCES PRIORITIES - FY1999**

## Ocean Sciences Research Support - \$127.50 M

- enhanced support for individual investigator research projects
- expanded support for interdisciplinary studies of Life in Extreme Environments (LExEn)
- increased support for coastal ocean process studies
- increased support for field programs in earth system history and ecosystems research
- expanded modeling and data assimilation efforts for ocean circulation and ocean flux studies
- joint effort with Earth Sciences for more focused studies of continental margins
- continue long term process studies of deep ocean systems and amplify efforts to develop new technologies and instrument systems for "seafloor observatory" capabilities
- additional funds for projects of significance to society in partnerships with national consortia such as National Oceanographic Partnership Program (NOPP) or with international funding agencies such as the European Union.



# NSF OCEAN SCIENCES PRIORITIES - FY1999

## Oceanographic Centers and Facilities - \$56.96 M

- provide support for academic research fleet at level to ensure required ship time and capabilities are provided to satisfy research project requirements
- enhance technical and shared-use instrumentation support for research projects to reduce burdens on sea-going scientists
- continue maintenance and ship-improvement programs for modern and efficient academic research fleet.

## Ocean Drilling Program - \$45.93 M

- enhance operational support to ensure research project requirements are met
- complete refit of the JOIDES Resolution
- enhance support for research project awards with focus on earth system history and continental margin studies.