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Appendix X



Daniel S. Schwartz
 Policy Fellow
 UNOLS Council Meeting
 Grand Haven, Michigan, 24 June
 1997



The National Oceanographic Partnership Program - Brief History, including Goals

- IPI/CORE publication of *Oceans 2000*
- House hearing on oceanographic research (Science, Resources and National Security)
 - Ballard, Lane, Alberts, Baker, Boorda, Gaffney, Frosch, Watkins (Jan. 1996)
- Bilateral introduction of NOPA Authorization
- \$20.5M in PL 104-202 Defense Appropriation



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The Interagency Partnership Initiative - Recommendations

- New partnerships needed in critical areas of support for research: Data, Resources, Education
- Congress: Appropriate funds, Legislate requirement for partnering
- Agencies: High level coordination



The National Oceanographic Partnership Program - Process and Elements

- National Oceanographic Research Leadership Council
- Ocean Research Advisory Panel
- \$12.5M for research and education, FY '97
 - Data center - \$2M
 - Natural lab - \$2M
 - Education and training - \$2.5M
 - MEDEA - \$1M
 - Broad-based research (infrastructure, marine mammals, Arctic, HABS,...) - \$3M
- \$7.5M for NAVO use of UNOLS, FY '97
- Program Office - \$0.5M. Start up; July '97



The National Oceanographic Partnership Program - Process and Elements

- NORLC

SECNAV	NOAA Admin.
NSF Dir.	NASA Admin.
DEPSEC Energy	EPA Admin.
Coast Guard Comm.	USGS Dir.
MMS Dir.	DARPA Dir.
OSTP Dir.	OMB Dir.
+ 7 others (NAS, NAE, IOM, State Gov., Academia, Industry, TBD)	



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1997 NOPA and UNOLS Shiptime

- LUMCON *Pelican* 28 days
 - Moss Landing Marine Lab. *Point Sur* 11 days
 - Univ of Delaware *Cape Henlopen* 42 days
 - Duke / UNC *Cape Hatteras* 73 days
 - Lamont-Doherty *Ewing* 58 days
 - Scripps *Revelle / New Horizon / Sproul / Melville* 153 days
 - Univ of Washington *Thompson* 18 days
 - Woods Hole *Knorr* 28 days
- Total UNOLS Shiptime: 411 Days

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FY97 NOPP Projects

- A planning workshop for a "Virtual Data Center"
- Development of a National Littoral Ocean Observing and Predictive System
- Multi-Scale Model-Driven Sampling with Autonomous Systems at a National Littoral Laboratory
- Gulf of Mexico Ocean Monitoring System

 CORE

The National Oceanographic Partnership Program - 1997 Milestones

- NORLC held up on legality - in resolution
- Interagency group put out BAA
 - 220 pre-proposals
 - 42 encouraged ... 55 submitted ... 11 funded
- RFP for program office (CORE proposal submitted 19 May)
- NORLC decisions at first meeting - 23 May


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FY97 NOPP Projects

- Coastal and Marine Aerosol Transformation Processes
- SeaNet: Extending the Internet to the Oceanographic Research Fleet
- Monitoring the North Pacific for Improved Ocean, Weather and Climate Forecasts
- The Bridge: Marine Education Clearinghouse

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FY97 NOPP Program



Academia

Industry

Government

- \$11.5M (\$7.5M for UNOLS use by NAVO; \$4M to MEDEA; \$0.5M for program office)
- > 70 institutions involved
- 19 States

FY97 NOPP Projects

- JASON IX: Descending the Ocean Ladder
- COAST: Consortium for Oceanographic Activities for Students and Teachers
- Bringing the Ocean into the Precollege Classrooms through Field Investigations at a National Underwater Laboratory
- Enhancing K-12 Science Education via Satellite-Televised Interactive Technologies

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The National Oceanographic Partnership Program - Status

- Congress working on "NOPA 2" - FY98
 - Same fundamental components: \$28.5M
 - Added element - Ocean observations \$10M
- FY 99 and outyears
 - Agencies developing budgets (Navy, NSF, NOAA indications)
- Linkage to international efforts - Year of the Ocean -- Expo '98 / Lisbon

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UNOLS Document

UNOLS in the process

- What has the NOPP done for the member institutions -- ship usage & science? Getting the word out.
- FY '99: Continuing NOPP
- Implement the CORE / UNOLS MOA: Staying in touch with your state's Congressional delegations.

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UNOLS Document

Concluding Thoughts

- Partnership development critical at national and regional levels
 - Visibility
 - Optimal resource utilization
 - Building stable political bases
- NOPP concepts critical to newer thinking (e.g. Press report) on national S&T, and education investments

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UNOLS Document

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H.R. 1119 Available at UNOLS Office.

Appendix XI

Z-Drive Issues and Questions

R. A. Knox, June 1997; with help from T. Althouse, R. Pittenger, J. Coburn

1. 6 ships have Z-drive propulsion, powered by electric motors: Knorr, Melville, Thompson, Revelle, Atlantis, Brown. All Z-drives are Lips units. In addition several (5?) Navy TAGS ships have similar Lips