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# Appendix X



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



The National Oceanographic Partnership Program - Brief History, including Goals ELECTRIC DE LE CONTROL

- 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

CORE

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The Interagency Partnership Initiative -Recommendations

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



The National Oceanographic Partnership Program - Process and Elements

- 1 2131 ■ National Oceanographic Research Leadership Council
   ■ Ocean Research Advisory Panel
- \$12.5M for research and education, FY '97
  - Data center \$2M Natural lab \$2M
- Natural 30 32.5M
   Education and training \$2.5M
   MEDEA \$1M
   Broad-hased research (infrastructure, marine mammals, Arche, HABs...) \$5M

  \$7.5M for NAVO use of UNOLS, FY '97
  Program Office \$0.5M. Start up; July '97

CORE

The National Oceanographic Partnership Program - Process and Elements

1 12 14

#### ■ NORLC

SECNAV NSF Dir. DEPSEC Energy

NOAA Admin. NASA Admin.

Coast Guard Comm. MMS Dir.

EPA Admin. USGS Dir. DARPA Dir.

OSTP Dir.

OMB Dir. - 7 others (NAS, NAE, IoM, State Gov., Academia,

Industry, TBD) CORE

D. S. Schwartz

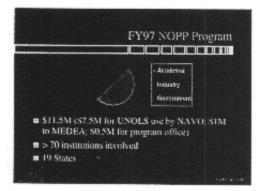
- LUMCON Pelican 28 days
- Moss Landing Marine Lab. Point Sur 11 days
- Univ of Delaware Cape Henlopen +2 days
- Duke / UNC Cape Hatteras 73 days
- Lamont-Doherty Ewing 58 days
- Scripps Revelle / New Horizon / Sproul / Melville 153 days
- Univ of Washington Thompson 18 days
- Woods Hole Knorr 28 days
- Total UNOLS Shiptime: 411 Days

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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





- 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

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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

CORE

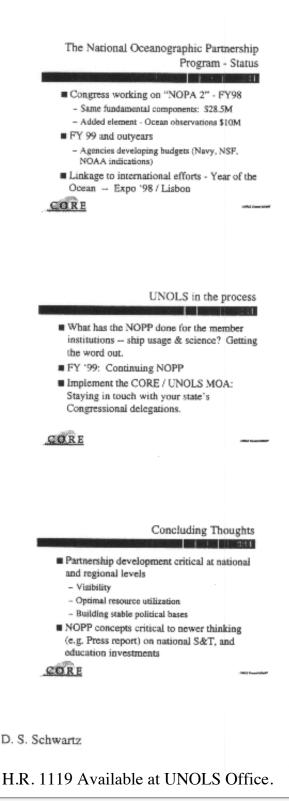
FY97 NOPP Projects

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

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## 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