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MLSOC Meeting San Diego, October 2010
Part 1 Outline

- The NSF Business Systems Review (BSR)
- Ship Inspection History and Results
- The LDEO/OMO Strategic Planning Process
- Moving forward beyond 2011

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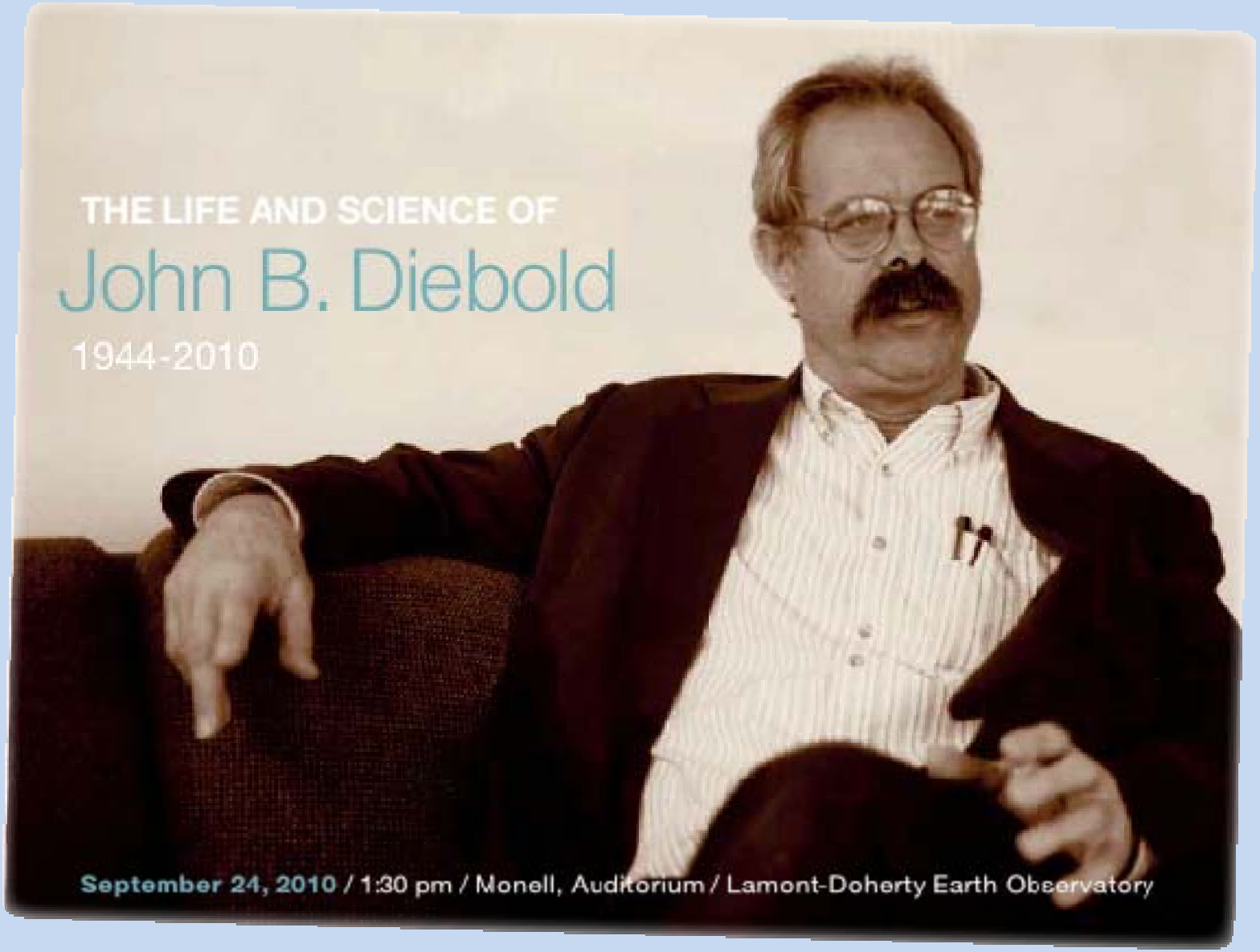

THE LIFE AND SCIENCE OF

John B. Diebold

September 24, 2010
1:30 pm
Monell, Auditorium
Lamont Doherty
Earth Observatory

The Seventy-nine Voyages of John Diebold

R/V Langseth expedition tracks and those where John was Chief Scientist are shown in RED.
Expeditions on which he was a participating scientist or technician are shown in BLACK.

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The NSF BSR

- Description
- Findings
- Implementation Plan
- New Hires and Plans to achieve culture change

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"The Business Systems Review is one of the National Science Foundation's advanced monitoring activities designed to provide oversight of the suite of business systems (people, processes, and technologies) that supports the administrative management of a large facility."

A BSR is designed to:

- Determine whether administrative systems are capable of supporting the administrative infrastructure required for a large facility
- Ensure that the systems meet NSF expectations and comply with federal regulations
- Exchange ideas and information to focus attention on the importance of administrative support systems

It is a combination of desk reviews and site visits with a focus on eight core business systems areas

The BSR is not:
- A program review – it does not look at the scientific activity
- A financial audit

The BSR identified 212 findings in eight functional core areas:

- **General Management**
- **Award Management**
- **Budget and Planning**
- **Financial Management**
- **Financial Reporting**
- **Human Resources**
- **Procurement**
- **Property and Equipment**

In addition to these issues, NSF raised a number of concerns about the shipyard plan and timeline

Key Themes:

- Past efforts at workforce planning and strategic planning for Marine Operations have been inadequate, and should be formalized and improved

- The University should develop thorough procedures that detail how University Policy applies to the R/V Langseth and the Office of Marine Operations

Key Themes (continued):

- The University needs to clearly document roles, responsibilities, and relationships of personnel, especially relationships within functional areas at different echelons of the University

- Training requirements, procedures, and systems of oversight should be formalized and / or improved

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The Implementation Plan to respond to BSR:

- Establishes a one year plan to respond to key issues with 17 specific deliverables,

- Details critical tasks and actions needed to achieve outputs
  - In Office of Marine Operations, Lamont-Doherty Earth Observatory and the Earth Institute
  - Critical involvement and leadership by key leaders across the University's central administration

• Implementation of interim strategic plan	By January 15, 2011
• Report on Training Documentation and Development	By May 31, 2011
• Review of technical, administrative and managerial systems	By August 1, 2011
• Budget and budget planning systems and training will be reviewed to identify opportunities for improvement	By February 1, 2010
• Clarify roles and responsibilities related to financial management structure and administration	By December 15, 2010
• Development of a workforce plan by the Director, Office of Marine Operations	By June 20, 2011
• Review, update and implement the property control policy and inventory management policies	By June 1, 2011
• Internal inspections and crew-work to prepare for NSF inspection week of March 8, 2011	By March 8, 2011

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Implementation Task Force within CU

- "The Implementation Task Force" will manage the implementation plan & prepare formal reports to NSF
- Will receive weekly status reports on 17 key deliverables
- Task Force Membership includes key managers from Lamont, Earth Institute, and Central Administration
- Establish a new position within LDEO at the Assistant Director level – Assistant Director for Large Projects and Compliance – interview process already complete
- Add additional staff and consultants to ensure all deadlines are met
- Site Visit from NSF on September 20-22 reviewed implementation plan

LDEO Goals are:

- Complete all self-assigned tasks in response to the Business Systems Review on schedule
- Insure that reports and deliverables to NSF (as detailed in the implementation plan, grant awards and Cooperative Agreement) are consistently on-time, accurate, and high quality
- Receive a positive outcome from the NSF Peer Panel review in Sept 2011 that will evaluate responses to all aspects of the Business Systems Review

NSF - JNS INSPECTION RATINGS

	November, 2007	April, 2010 1st Part-Dockside, Portland, OR	May,2010 2nd Part-Underway Honolulu, HI
Overall	Good	Fair	
Lifesaving/Emergency	Good	Good	
Habitability Spaces	Good	Fair	
Hull	Very Good	Good	
Main Propulsion System	Good	Not Observed	Description Only
Electric Power Plant	Good	Not Observed	Description Only
Auxiliary Systems	Fair	Good	
Bridge/Electronics System	Fair	Good	
Deck Machinery	Good	Fair	
Scientific Load Handling Sys	Fair	Fair	
Scientific Outfitting	Fair	Good	
Science Facilities	Good	Fair	
Documentation	N/A	Good	

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The Strategic Planning Process

- Status
- Timeline
- Overview of Agenda for Tuesday Meeting

Strategic Plan Timeline

- **October 26, 2010:** LDEO receives feedback from MLSOC
- **December 14, 2010:** LDEO will share the Strategic Plan draft 2 with NSF for comment
- **January 14, 2011:** The Earth Institute will adopt the Strategic Plan draft 3
- **July 15, 2011:** The Earth Institute will report to Columbia University Provost through normal planning process

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OMO Strategic Planning meeting with MLSOC October 26th

8:00 – 8:30	*Coffee and Breakfast*
8:30 – 8:45	Welcome and Review of Goals for the meeting (Mike Purdy)
8:45 – 9:15	Overview of the current draft of the OMO Strategic Plan (Mike Purdy)
9:15 – 9:45	Suggestions submitted via email (Mike Purdy)
9:45 – 10:15	Objective 1: Respond to all issues raised in the Business Systems Review (BSR), achieve administrative improvements, and ensure compliance with federal regulations at all levels
10:15– 10:30	*Break*
10:30– 11:15	Objective 2: Ensure the long-term financial viability of the Marcus G Langseth as a global class academic research vessel
11:15– 12:00	Objective 3: Achieve full general purpose oceanographic capacity while maintaining unique seismic capabilities as a leading global-class vessel in the UNOLS Fleet
12:00– 1:00	*Working lunch: New ideas* – *Contacts for new funding and projects* – *Ideas for potential community meetings*
1:00– 2:00	Other major objectives, goals, specific deliverables not already included in the draft strategic plan
2:00– 2:30	Review decisions, changes and next steps

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Moving Forward Beyond 2011

- Priority on building and proving general purpose capability
- Home Port options
- Continuous improvement in management, administration and communications

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MLSOC Meeting San Diego, October 2010
Part 2 Outline

- Overview of 2010 Operations
- Planning for the Maintenance & Shipyard Period
- Instrumentation and Equipment
- Overview of 2011 Operations

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Overview of 2010 Operations

Spring 2010 Shipyard and Maintenance Period

EM122 MB Recalibration/Sea Acceptance

Shatsky Rise Cruise

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Planning for Fall 2010 Maintenance and Shipyard Period

- Planned activities
- Shipyard Time Line

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Instrumentation and Equipment

- Western-Geco Streamer Acquisition
  - Overview of Primary Equipment items
  - Plans for Storage and Testing
  - Timeline
- 2011 SSSE Proposal Items
- 2011 Instrumentation Proposal Items

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Overview of 2011 Operations

- Chart showing operational areas
- Brief description of programs
- Primary challenges and risk
- Marine Mammal Permitting

END