“Piracy at Sea”

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What is “Piracy”?  

Where is it happening?  

What are we doing about it?
Definition of ‘Piracy’
According to the International Marine Bureau (IMB)

“An act of boarding or attempting to board any ship with the intent to commit theft or any other crime and with the intent or capability to use force in the furtherance of that act.”

Source: ICC International Chamber of Commerce
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Attacks in South America 1 January to 31 December 2000
Attacks in South East Asia and the Far East 1 January to 31 December 2000
Attacks in Africa and the Middle East 1 January to 31 December 2000
Year 2000 Piracy Statistics

- Attacks 469
- Boardings 307
- Hijackings 8
- Killed 72
- Injured 99

http://www.iccwbo.org/ccs/imb_piracy/weekly_piracy_report.asp

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Present Day Pirate/Fishing Boats

19 October 2001
Present Day Pirates
Victims
WHOI Preps

• Refused to go to any ports in the region
  ➢ Embarked - Mombasa, Kenya
  ➢ Disembarked - Seychelles

• Conferred with Science, Crew, Security Experts, Federal Agencies.

• Asked for intelligence support.

• Hired security consultants.

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• Consultants: Former Special Forces, Presidential Security, Seals.

• Help organize, train crew and science party.

• Served as extra look-outs and key members of crew response.

• Advised on doing research stations "smartly".

• Gave crew and science a level of comfort so they could concentrate on their tasks.
REDSOX I
11 February – 15 March 2001

R/V Knorr
REDSOX I
Track Chart

R/V Knorr

19 October 2001
REDSOX II
12 August – 12 September 2001

R/V Ewing

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REDSOX II Attackers

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Rocket Propelled Grenade (RPG)
Salinity/Pressure at 600m

REDSOX I

REDSOX II

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What’s Ahead?

WHOI

• We have no ship with cruises to high threat areas through 2002.

• Our ships are prepared (organization, procedures, training).

• We are plugged into intelligence sources (eyes open, ears to the ground).

Federal Agencies and Science Community

• Issue has moved from off-the-screen to number one.

• Terrorism adds volatility and uncertainty.
  ➢ What is the appropriate course of action?

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Why go to the Red Sea?
- Formation site for high-salinity water that spreads throughout Indian Ocean.
- Outflow and spreading of high-salinity water into Gulf of Aden not investigated since the '60's, and never with modern oceanographic tools.
- Red Sea outflow has unique characteristics (seasonality, low latitude) that likely affect mixing and spreading into the Indian Ocean.

Purpose
- To map out the water properties (salinity) of the outflow as it leaves Bab el Mandeb, descends across the continental slope and spreads through the Gulf of Aden.
- To directly measure the currents associated with the outflow, and the surrounding waters, using acoustic current profilers and floats.

Timing
- Make observations during maximum and minimum outflow (winter and summer) to identify any differences in how deep the outflow descends and which pathways the outflow follows.
- Cruises scheduled for February-March (R/V Knorr) and August-September 2001 (R/V Ewing)

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