

## Sonar Customer Report

# 'All cruise ships should have the WESMAR sonar for navigation...It's like an underwater radar'

...Captain Leif Skog of the National Geographic Explorer

Lindblad Expedition's newest vessel, THE NATIONAL GEOGRAPHIC EXPLORER, is an ice-class expedition vessel widely described as the best-equipped expedition ship in the world. Among its much heralded technology is WESMAR's new 850 series all digital stabilized searchlight sonar, a high-resolution sonar that can detect underwater hazards near the surface as well as everywhere beneath and around the vessel.

Captain Leif Skog set sail with the new sonar in August and he says he would not cruise the iceberg infested waters from the North Pole to Antarctica without it. "It is our 'underwater radar.'"

Skog uses the new WESMAR 850 sonar for navigation and to keep the boat out of danger from submerged icebergs and other hazards.

The National Geographic Explorer provides passengers an ultimate exploration adventure to destinations unchanged since early explorers visited in centuries past. But today there is a vast difference. The National Geographic Explorer is a state-of-the-art 1A ice class expedition ship. Unlike Ernest Henry Shackleton, Legendary Antarctic Explorer who made 3 visits to the Antarctic, Captain Skog has been there over 100 times. For 10 years he commanded the National Geographic Endeavor with WESMAR's earlier HD800 sonar, so his sonar operating experience is also extensive.

Captain Skog, reporting by phone recently from Ushuaia, Argentina, after the first National Geographic Explorer Antarctic Cruise, said:

"The new WESMAR 850 sonar works very well and it is a very important tool for us. It's a marvelous tool. We use it to find and avoid uncharted rocks and icebergs when we are cruising in remote areas. All cruise ships should have this sonar for navigation. Our passengers are very curious about it as well, so it makes an interesting addition for our passengers for fish watching and for watching the ROV on the sonar screen, which we send down as much as 1000 feet for research.

"Our business is wildlife adventures. We cannot explore without the sonar. The sonar gives us the most freedom to safely travel these waters," says Captain Skog.

An excellent endorsement from one of the most experienced ice captains in history. His passengers and fellow adventurers, with the safety of their WESMAR 850 sonar,

can also explore the underwater --a dimension hidden to their predecessors.



Photo Courtesy of National Geographic Expeditions

*The National Geographic Explorer is a 367-foot-long, 54-foot-wide ice-strengthened polar expedition vessel that holds 148 guests in 81 outside facing cabins. She travels through Arctic waters providing the ultimate experience of exploring life above and below the sea.*

*The ship carries a fleet of zodiacs and kayaks for exploring as well as hydrophones, underwater high-definition cameras, and remote operated vehicle (ROV) for research, and the advanced WESMAR 850 series sonar. As part of an expanding partnership with National Geographic magazine the vessel sails on expedition style cruises to Greenland, Iceland, and the Canadian Arctic, and to Antarctica via South American ports. .*



*Elegant living in the Antarctic..*



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