

**JAPAN/US JOINT MEETING
OF THE
UJNR SEA-BOTTOM SURVEYS PANEL
HELD IN TOKYO
9 - 12 NOVEMBER 1993**

The 22nd Japan/US Joint Meeting of the UJNR Sea-Bottom Surveys Panel was held at the Hydrographic Department of Japan from 9 to 10 November 1993.

The meeting was opened by Dr. Shoichi Oshima, Director of Planning Division, JHD, who is the Chairman of the Japanese Panel, followed by a welcome address made by Dr. Yoshio Iwabuchi, Chief Hydrographer of Japan, and a speech by Capt. Thomas W. Richards, Chief of Nautical Charting Division, National Ocean Service, US-NOAA, who is the Chairman of the US Panel.

The main topics and subjects discussed during the 22nd meeting include Electronic Charts, Coastal Information Maps for Disaster Prevention, and SeaBeam system. A technical tour was also made to visit the Tokyo Bay Traffic Advisory Service Center and the 3rd Regional Maritime Safety Headquarters in Yokohama, which operates the 20-meter type Survey Craft "Hamashio", on 11 November. On 12 November they visited Tokimec Co., Ltd., which is one of the leading manufacturing companies of electronic chart hardware.

The meeting was attended by many of JHD staff members and those of Geological Survey of Japan and Japan Marine Science and Technology Center, and, from the US side, Capt. Thomas W.

Richards, Chief, Nautical Charting Division, NOS/NOAA, Mr. W. Erich Frey, Nautical Charting Division, NOS/NOAA, and Dr. Michael S. Loughridge, Director, WDC-A for Marine Geology and Geophysics, National Geophysical Data Center, NOAA, as well as three guest participants; Dr. Lee Alexander, US Coast Guard, Prof. Robert Tyce, Director, Ocean Mapping Development Center, University of Rhode Island, and Dr. Pat Wilde, Office of Naval Research, Asian Office.

The Sea-Bottom Surveys Panel is one of many panels established under the US-Japan Conference for Development and Utilization of Natural Resources (UJNR), and the meeting of the Sea-Bottom Surveys Panel has been taking place alternatively in Japan and the US since 1972, when its first meeting was held in Tokyo.



At Tokyo Bay Maritime Traffic Advisory Service Center



Japanese and US participants in UJNR Sea-Bottom Surveys Panel meeting