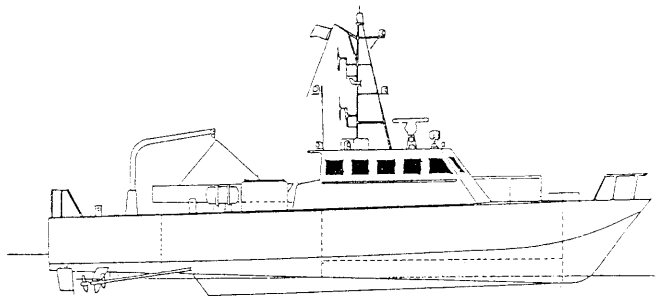


NEW SURVEY VESSEL OF H.D., JAPAN

A new 20-meter type survey vessel named 'HS21 HAMASHIO' was commissioned on 25 March 1991, and attached to the Hydrographic Department of 3rd Regional Maritime Safety Headquarters in Yokohama. She will be engaged in hydrographic surveys and tidal stream observations in and around coastal/port and harbour areas under the responsibility of the Headquarters.



Her principal particulars and survey equipment are:

Principal particulars

Displacement : 42 tons
Length : 21.0 meters
Breadth : 4.5 meters
Depth : 2.4 meters
Main engines : 450PS x 2
 115PS x 1
Speed : 15 knots
Cruising range : 200 M
Complement : 5

Survey equipment

Electronic positioning system
(DEL NORTE Trisponder)
4-beam echo sounder
Hydrographic data acquisition system
Self-recording current meter
Bottom sampler

FRP work boat with outboard motor

GROUP TRAINING NEWS

TRAINING COURSE IN OCEANOGRAPHIC DATA MANAGEMENT SPONSORED BY IOC

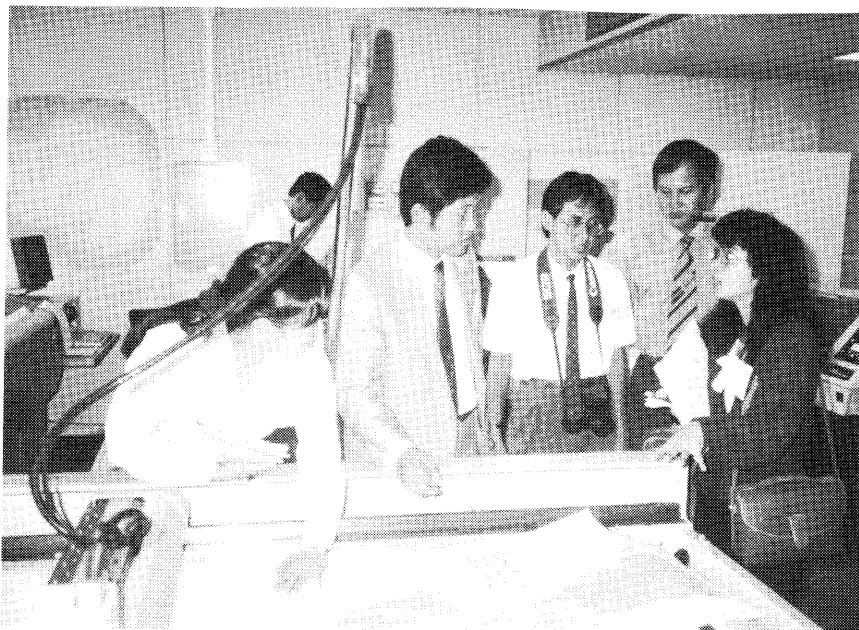
The 9th session of the WESTPAC training course on oceanographic data management sponsored by the IOC was conducted at the Japan Oceanographic Data Center, Hydrographic Department of Japan, for 2 weeks from 15 October 1990. The following three participants were nomi-

nated by IOC and accepted by the Hydrographic Department of Japan:

Mr. Widodo, Center for Oceanological Research & Development Indonesian Institute of Science, Indonesia

Mr. Young Sang Suh, Korea Oceanographic Data Center, National Fisheries Research & Development Agency, Korea

Dr. Hoang Xuan Nhuan, National Oceanographic Data Center, Vietnam



From left to right, Mr. Young, Mr. Widodo and Dr. Hoang

The main purpose of the course was to allow participants to become acquainted with basic conception of the International Oceanographic Data and Information Exchange System and its function

especially in the WESTPAC region, and acquisition, procession and compilation of oceanographic data as well as general data formats used in the international oceanographic data exchange.

**GROUP TRAINING COURSE
IN
HYDROGRAPHIC SURVEY
(Internationally Accredited Category B Course)
1990**

The Course was conducted from 19 April to 5 November 1990. The participants successfully completed the Course were:

Mr. Md. Shah Alam: Inland Water Transport Authority, Bangladesh
Mr. Taha Abdo Aly El-Trabily: Suez Canal Authority, Egypt
Mr. Aca Silatoru: Hydrographic Service, Fiji
Mr. Sri Ciptono: Hydrop-Oceanographic Service, Indonesia

Mr. Choi Sung-Ho: Office of Hydrographic Affairs, Korea
Mr. Wan Baderul Hisan bin Wan Muda: Hydrographic Department, Malaysia
Mr. Imtiaz Afzal: Hydrographic Department, Pakistan
Mr. Efren P. Carandang: National Mapping and Resources, Philippines
Mr. Yapa Mudiyansele L. Bandarayapa: Ports Authority, Sri Lanka
Mr. Channa Xuto: Hydrographic Department, Thailand