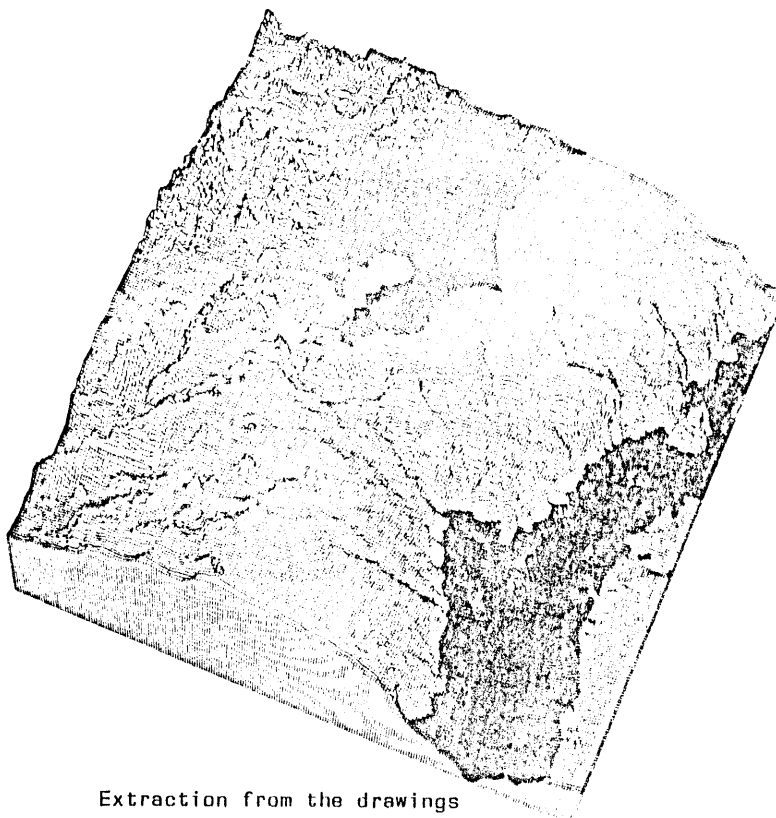


## THREE DIMENSIONAL DRAWINGS OF SEABED TOPOGRAPHY

The Japan Hydrographic Association (JHA) has recently published a collection of three-dimensional drawings of seabed topography in adjacent seas of Japan and part of the North Pacific Ocean. This publication contains 89 different drawings processed and produced by electronic computer and printed in multi-colour.

The drawings given in this publication have been prepared by the Japan Oceanographic Data Center (JODC) and published by the JHA under the supervision of the Hydrographic Department, M.S.A., on the occasion of the 20th anniversary of the founding of the JODC.



Extraction from the drawings

## TECHNICAL COOPERATION UNDER THE COLOMBO PLAN

### Japanese Expert to Philippines

A Japanese expert in hydrographic surveying under the Colombo Plan Technical Cooperation Programme has been dispatched to the Philippines. In response to the request of the Government of the Philippines, Mr. Bunkichi IMA YOSHI, former Director of Chart Division, Hydrographic Department,

M.S.A., was dispatched to Bureau of Coast and Geodetic Survey, Philippines, in Manila on 1 November 1984. He is responsible to provide assistance to the Bureau in reviewing their existing surveying and mapping capabilities in connection with its programme of equipment modernization and improved surveying techniques. He is to stay there for one year until October 1985.

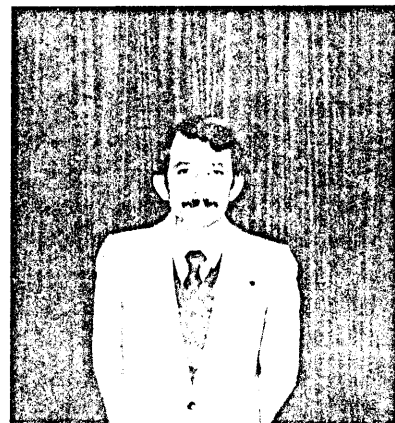
### Individual Trainings



Mr. Jose Del Fierro

An individual training in hydrographic instrumentation was conducted at the Hydrographic Department, M.S.A., Japan, for Mr. Jose Del Fierro, Bureau of Coast and Geodetic Survey, Philippines, from 2 to 27 July 1984. This training was arranged by the Japan International Cooperation Agency (JICA) as a part of the Colombo plan. During his stay in Japan, he visited the Fifth Regional Maritime Safety Headquarters in Kobe.

Another individual training in tide gauge operation, maintenance and data processing was conducted at the Hydrographic Department, M.S.A. for Mr. Azmy bin Ab. Rahman, Department of Survey and Mapping, Malaysia, from 21 January to 27 February 1985. As part of his training, he also visited Simosato Hydrographic Observatory and Fifth Regional Maritime Safety Headquarters.



Mr. Azmy bin Ab. Rahman