

## Group Training Courses in 1985-86

The Group Training Courses in Hydrographic Survey and in Physical Oceanographic Survey will be conducted at the Hydrographic Department, M.S.A., during fiscal 1985 as follows:

**Hydrographic Survey Course:** From 2 May to 6 November 1985. The application to the course must be made not later than 9 March 1985.

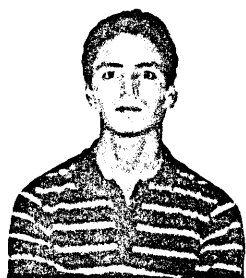
**Physical Oceanographic Survey Course:** From November 1985 to March 1986. The application must be made by early in September 1985. Information in detail will be published in due course.

The number of participants acceptable will be 8 to 10, respectively.

Attending Group Training Course in Hydrographic Survey 1984

By Mr. Carcovich Aquiles

Direccion de Hidrografia y Navegacion  
de la Marina, Peru



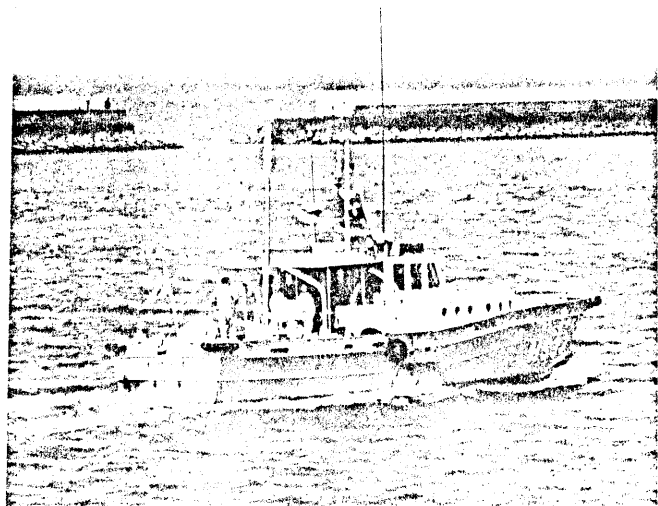
Mr. Carcovich Aquiles

Most of us, the participants of Group Training Course in Hydrographic Survey, came to Japan during the first week of May and started our training course on the 14th of May in the Seminar Room of the Hydrographic Department, Maritime Safety Agency. After that we increased our knowledge on different subjects of hydrographic survey theory as well as practice, we also developed close and friendly relations among ourselves, i.e. between participants from different countries and the staff of the Maritime Safety Agency.

Five months later when the theory and practice of our course were almost over in the Seminar Room and after we had visited recognized institutes like

Port and Harbour Research Institute, Hatizyo Hydrographic Observatory, Geographical Survey Institute, Geological Survey Institute, which contributed a lot to improve our knowledge in the field of hydrographic surveying and it would not be out of place to mention that the treatment they gave us was absolutely excellent. The time for our field training of harbour and coastal surveys came and Karatsu Port, W coast of Kyusyu, was selected for this purpose.

We left Tokyo for our field training on 4 September and stayed in Karatsu until 5 October. On the way we visited the 7th Regional Maritime Safety Headquarters at Moji, Kita-Kyusyu City, where the staff hosted a warm reception for us. At that time we met some of the instructors who later cooperated with us during the field training, we did not know at that time that we will come to admire them, after a month of living together and will developed mutual understanding during the field, both at work and during our leisure time. We consider that they are very hard working and intelligent people with good knowledge and through experience of hydrographic surveying. They were also very kind and friendly. This field training was very special for us and we will never forget that time when we received good orientation and useful practice with all the instruments and different methods to complete the most important work of a hydrographer. We received good cooperation of our instructors at a time when we most needed, right from the start, i.e. establishment of survey marks and continued to control survey, coastlining, sounding and finally finishing with bottom sampling. The Survey Vessels HAYATOMO and HAYASHIO were used effectively for these purposes the crew of both the vessels are professional sailors and know their jobs very well. During the field training each one of us passed through all the steps which a hydrographer has to know for umbrella man, recorder, observer and leader of our groups.



Survey Vessel HAYATOMO  
engaged in field training

After this explanation you

must have realized and essential importance of this field training for us. It is difficult to explain in words and furthermore in a foreign language all the gratitude that we feel, and we will keep this feeling with us for ever.

The overseas participants of Group Training Course in Hydrographic Survey 1984 are very grateful to all the staff of Hydrographic Department, Maritime Safety Agency, our Coordinator and members of Japan International Cooperation Agency as well as all the Japanese people who helped us in our or other manner and made our stay in Japan useful and pleasant.

Thank you very much.

## **SUBDUCTION OF DAIITI-KASIMA SEAMOUNT INTO THE LANDWARD SLOPE OF THE JAPAN TRENCH**

By Hydrographic Department, M.S.A., Japan

( Abstract )

Daiiti-Kasima Seamount is a 3,000-4,000 m high flat-topped seamount situated in the axis of the Japan Trench lying 220 km east of Tokyo. In 1977, the Hydrographic Department of Japan conducted a survey over this seamount and its adjacent waters. The average spacing of the tracks of the survey was 2 nautical miles, and it was done by Survey Vessel SHOYO as part of "The Basic Map of the Sea Project". It fairly revealed topography, geological structure, geomagnetic feature and gravity anomalies of the seamount. Studies by Mogi and Nishizawa (1980) had provided a hypothesis that a breakdown had taken place, and the seamount was divided into two parts by a large NNE-SSW trending fault, while the western half of the seamount had subducted into the Japan Trench.

In 1983, the Hydrographic Department of Japan put a new survey vessel TAKUYO (2,600 tons) into commission, in which a set of Sea Beam System, a single and multi-channel seismic profilers, a sub-bottom profiler, magnetometers, a gravimeter and a set of integrated positioning system were