Purpose of Exhibition

Even outside the Science Museum (exhibition room) there is an exhibit. This unmanned probe was made in order to study the deep sea. Its main purpose was to investigate marine resources, marine life, and earthquakes.

Additional Knowledge

[The Deepest Sea]
In addition to Dolphin 3K and its successor, Hyper Dolphin 3K, there are a deep-sea probe "Urashima", a manned deep-sea research vessel "Shinkai2000", and an unmanned probe "Kaikou 7000 II". And the depth each probe can dive is specified. (Figure) These probes can dive down to a considerable depth. By the way, where is the deepest part of the ocean? Currently, the deepest ocean trench, the thin and long grooved part, is called the Mariana Trench.

In 1960 (Showa 35), in cooperation with the US Navy, Jacques Piccard and the captain Walsh boarded a submarine developed by Jacques's father, August Piccard, and aimed for the bottom of the Mariana Trench. The submarine was equipped with steel weights and gasoline-fueled buoyancy devices, and was able to adjust depth. According to the depth recorder that reached the seabed in five hours, it was 11521m deep (Later revised as 10916m). In 1995 (Heisei 7), the remotely controlled unmanned submarine "Kaikou", owned by the Japan Agency for Marine-Earth Science Technology, reached the deepest part of the Mariana Trench, called the Challenger Deep, and recorded the depth: 10911m.

Even Mt. Everest, the highest mountain in the world, turned upside down cannot reach the deepest point of the ocean.

Survey Objectives: Resources, Living Creatures and Earthquakes

The ocean around Japan is said to be a treasure house of marine resources, methane hydrate, which is frozen methane and natural gas in the East China Sea. Deep sea probes play an important role for the investigation of these resources. Also for the investigation of earthquakes occurring around Japan, the exploration of the seabed is needed. The exploration of the seabed is also needed in order to investigate earthquakes occurring around Japan. Besides these practical surveys, looking at the actual activities of the deep sea creatures can lead to valuable information on for academic research.

Article by Koichi Mabuchi, curator