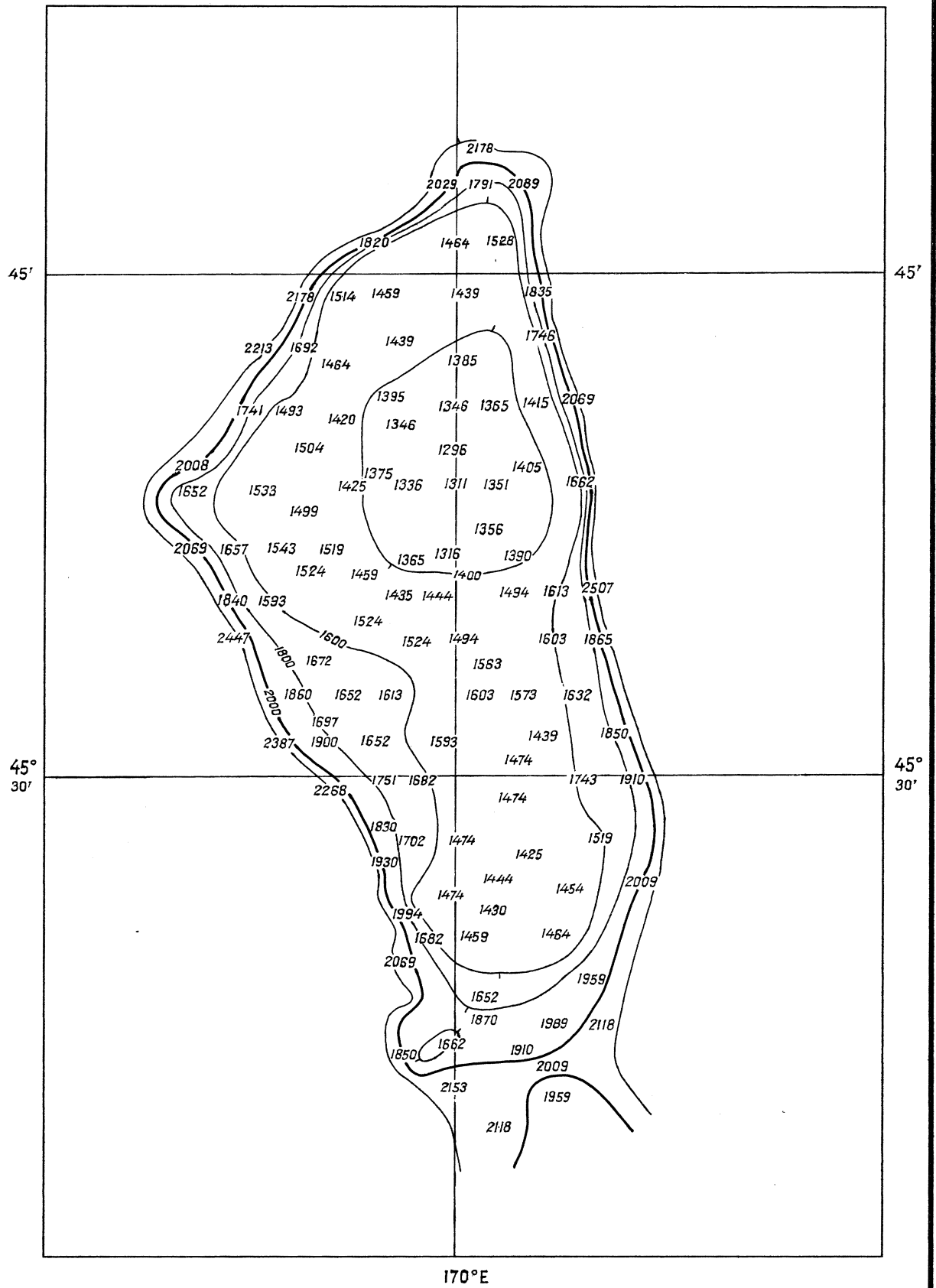


Erdman Seamount

Discovered and surveyed by the Russian Pacific Oceanographic Expedition



A

Undersea feature name proposal

IHO/IOC Form No.1

Ocean or Sea: Pacific Ocean.

Name proposed: Erdman Seamount

Coordinates of midpoint or summit: Lat.45°39'.8 N, Long. 170°00'.0 E,
kilometres in direction from

Description (kind of feature): The seamount is located in the middle part of the Emperor Seamount Chain among the depths of 5500-5900 m. The relative height of the seamount is 4404 m.

Identifying or categorizing characteristics: The least detected depth is 1296 m. The seamount summit is cupola-shaped, sloping, oval. Within the depth contour of 1600 m the steepness of the slopes increases abruptly up to 20°-25°. The foot is stretched towards the Emperor Seamounts Chain, its size within the depth contour of 2000 m is 55x25 km.

Associated features: Zinmu Seamount is located 34 miles NW and Suiko Guyot – 66 miles S.

Chart reference:

Shown with name on chart No.

Shown but not named on chart No. 61228, ed. 1989; 60130, ed. 2000.

Not shown but within area covered by chart No.

Reason for choice of name: To perpetuate the memory of Dmitriy Ernestovich Erdman (1925 – 1992), a navigation officer. For many years served in subdivisions of the Northern Fleet, provided hydrographic study of the Arctic Basin. Fleet navigation officer of the Northern Fleet. Chief of the department of the Naval Academy.

Discovery facts:

Date: 1985 *by* Surveyed by the Pacific Oceanographic Expedition.

By means: Soundings were taken by echo sounder GEL-3.

Navigation used: Space-based navigation system.

Estimated positional accuracy in nautical miles: Mean square error of position fixing – 0.06-0.09 miles.

Description of survey: Survey was carried out by sounding at scale 1:200 000.

Nature and repository of other survey activities: Sounding by parallel sounding lines with the interval 2.5 km and sparse crossing sounding lines.

Supporting material:

Submitted by: The Head Department of Navigation and Oceanography of the RF Ministry of Defence

Date:

Address: 8, 11 liniya, B-34, 199034, St. Petersburg

Concurred in by:

Address:

Erdman Dmitriy Ernestovich

(1925 – 1992)

He was born in Leningrad in a family of worker. Graduated from the Higher Naval School (1945) and Naval Academy (1959).

In 1947 – 1971 he worked in subdivisions of the Northern Fleet as navigation officer, fleet navigation officer and fleet navigation officer of the Northern Fleet.

In 1962 he was the navigation officer during the first cruise of the home nuclear-powered submarine “Leninskiy Komsomol” to the North Pole, and in 1966 – fleet navigation officer during the first cruise of a group of nuclear-powered vessels of the Northern Fleet to Kamchatka across the Atlantic and Pacific Oceans. Along the routes of these cruises a large amount of complex oceanographic research and geophysical works were carried out under his command.

In 1971 – 1988 he was at the head of a department of the Naval Academy.