



A

Undersea feature name proposal

IHO/IOC Form No.1

Ocean or Sea: Indian Ocean.

Name proposed: Knizhnik Seamount

Coordinates of midpoint or summit: Lat.39°06'.9 S, Long. 26°09'.3 E,
kilometres in direction from

Description (kind of feature): The seamount is located in the N part of Agulhas Plateau among the depths of 2400-2700 m. The relative height of the seamount is 1910 m.

Identifying or categorizing characteristics: The least detected depth is 640 m. The seamount has a nearly oval shape slightly stretched in the N-S direction. The size of the seamount foot within the depth contour of 2000 m is 25x18 km. The summit is cupola-shaped, sloping. Within the depth contour of 800 m the steepness of the slopes increases attaining 26°-28°.

Associated features: Agulhas Plateau.

Chart reference:

Shown with name on chart No.

Shown but not named on chart No. 40119, ed. 2000.

Not shown but within area covered by chart No.

Reason for choice of name: To perpetuate the memory of Roman Mikhaylovich Knizhnik (1915 – 2001), a hydrographer. For many years served in hydrographic subdivisions of the Pacific and Baltic Fleets. An explorer of the Far East seas, Baltic Sea, Pacific and Atlantic Oceans, Antarctic. Made considerable contribution into the introduction of the new technique into the subdivisions of nautical cartography.

Discovery facts:

Date: 1981 by Discovered and surveyed by the search vessel “Patriot” of the Ministry of Fishery.

By means: Soundings were taken by echo sounder “Priboy-101”.

Navigation used: Space-based navigation system.

Estimated positional accuracy in nautical miles: Mean square error of position fixing – 0.3 miles; of depth positioning – 0.5-1.2 miles.

Description of survey: Survey was carried out by sounding at scale 1:100 000.

Nature and repository of other survey activities: Sounding by crossing sounding lines.

Supporting material: Two sounding along track lines crossing in the vicinity of the seamount were laid by the research vessels “Professor Vize” (1972) and “Akademik Keldysh” (1982).

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:

Knizhnik Roman Mikhaylovich

(1915 – 2001)

He was born in Dnepropetrovsk Region in Nikopol' in a family of worker. Graduated from the Higher Naval School (1938) and the Hydrographic Department of the Naval Academy (1950).

In 1941 – 1942 he worked in subdivisions of the Baltic Fleet Hydrographic Service, and in 1942 – 1945 – at the Chart Production of the Navy Hydrographic Department.

In 1950 – 1955 he was the Deputy Chief of the Pacific Hydrographic Expedition. He carried out bottom relief survey in the Sea of Okhotsk, Bering Sea and guided hydrographic works in the North-West Pacific.

In 1955 – 1963 he worked in the Baltic Hydrographic Expedition. Conducted oceanographic research in the Baltic Sea, Atlantic Ocean and at the coasts of Antarctica.

Since 1963 he had been at the head of the subdivision of bathymetric information collection and processing of the Navy Charts Division. Participated in putting into operation of the first computers for processing of the oceanographic research materials. He worked in the editorial board of the “Notices on Hydrography”.

He published 14 papers on different aspects of hydrography.