INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL

OHO/IOC form No. 1

(See Note overleaf)

Ocean or Sea **Atlantic Ocean** Name proposed **Litvin Seamount**

Coordinates: of midpoint or summit: Lat**. 77 °42,1' N.** Long. **6°43,5' E.**

Description (kind of feature): **Seamount**

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):

Large elongated seamount is located on the western slope of the northern segment of the Knipovich valley. The seamount have dimensions about 30 x 16 km. The minimum depth is 840 m. Relative height of its west slope is more then 2500m, relative height of east slope is about 1600m.

Associated features:

Chart reference:

Shown with name on chart No.

Shown but not named on chart No. **On the GEBCO sheet 5.17. the seamount is represented without details with minimal depth less then 1000 m. On the map of Central Arctic Basin at scale 1:2 500 000 (HDNO, 2002) the seamount is shown with more details and minimal depth 809 m.**

Not shown but within area covered by chart No.

Reason for choice of name (if a person, state how associated with the feature to be named): **The name was proposed in the memory of V.M. Litvin (1942 –2002), marine geomorphologist, doctor of sciences, professor, Polar researcher. After graduation from the Moscow State University in 1955 V.M. Litvin worked in the Murmansk Polar Oceanographic Institute (PINRO). Since 1966 through 1984 he worked in the Atlantic Branch of Moscow Institute of Oceanology. Since 1984 V.M. Litvin headed Geographic Department in the Kaliningrad State University. He was the author of more than 300 scientific publications. Most famous are monographs as follows: "Morphostructure of the Atlantic ocean bottom and its evolution in Mesozoic and Cenozoic" (1980), "Morphostructure of oceanic bottom" (1987), and "Morphostructure of the Earth" (1995). He was the author of many bathymetric and geomorphologic maps and educational textbooks. V.M. Litvin was avarded with the Diploma of the International Biography Center (Cambrige, U.K.) and the Gold Medal of F.P. Litke of Russian Geographical Society.**

Discovery facts : **2006 year by R/V "N. Strachov"**

By means of (equipment): **bathymetric survey with multibeam echo sounder SeaBat 8150**

1:200 000 scale

Navigation used: **Navstar GPS**

Estimated positional accuracy in nautical miles**: ±0,001 mile**

Description of survey (track spacing, line crossings, grid network, etc.): **regular bathymertric survey with multibeam echo sounder SeaBat 8150**

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity,

photographs, etc.): **bathymetric survey with multibeam echo sounder SeaBat 8150; seabed sampling by dredging; seismic profiling**

Supporting material: enclose, if possible, a sketch map of the survey area, profiles of the feature, etc., with reference to prior publication, if any:

Appendix 1 **Detailed bathymetric map of the rise**.

Submitted by: **G.V. Agapova, K.O. Dobrolubova Geological Institute, Russian Academy of Sciences**

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