

## RECENT STUDIES IN THE RUSSIAN ARCTIC

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The following abstract information will be presented at the meeting:

Afanasiev I.F., and Z.A. Filatova. *Deep-sea benthic fauna of the Canadian basin of the Arctic Ocean.*

Preliminary data of the trawl benthic fauna from the drifting ice station NP-22, 1976-1977, are presented. Total benthic collection includes 50 samples from the depth 260-3550 m in the Canadian plain. 40 species of the 12 different taxonomic groups were determined. Total biomass was very low (less than 1 g/m<sup>2</sup>); empty mollusks shells were dominant. North Atlantic form were dominated between Bivalvia.

Zhirkov I.A. *Polychaets fauna of the Canadian abyssal plain.*

In the abyssal Canadian plain (at the depth >2000 m) 6 species of Polychaeta (without Polynoids and Acrozirids) were determined. On the base of these founding as well as another literature data sets the new list of species (19 species without of Polynoids) was described. Zoogeographical links between this fauna and fauna polychaetas from different parts of the World Ocean are discussed. It suggests to maintain the zoogeographical range of the arctic abyssal from the subregion (or region) to the range similar to the World Ocean abyssal.

Pasternak F.A. *Pennatullaria Umbellula encrinus (L.) from the Canadian basin of the Arctic Ocean.*

Four colonials of the pennatulians at depth of 266 m and one colonial at depth 1739 were collected in the eastern part of the Arctic Ocean. In the canadian part of the Arctic Ocean this species was indicated the first time. Description of colonials and taxonomy are discussed.

Zeina O.N. *Deep-sea founding of brachiopods in the Arctic Ocean.*

In the deep-sea samples from 2747 m (NP-22, 1976-1977) the wide-distributed brachiopoda – *Pelagodiscus atlanticus* (King) was collected. This founding is the most deepest in the Arctic Ocean and the first foundin of this species in the Arctic.

Kamenskaya O.E. *Deep-sea amphipods (Amphipoda, Gammatidea) from the collection of the NP-22.*

In the Canadian abyssal plain at the depth 2710-3580 the amphipods were collected in 30 stations from the total 45. 17 species from the families Lysianassidae, Leucothoidae, Calliopiidae, Stegocephalidae, Phoxocephalidae, Eusiridae, Lilljeborgiidae, Oedicerotidae, Pardaliscidae. Materials on ecology and distribution of the 8 wide-distributed species are presented and discussed.