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**RESEARCH OF THE LOW-FREQUENCY SOUND PROPAGATION IN THE FIELD OF
SUBARCTIC FRONT IN NORTH-WEST PARTS OF PASIFIC OCEAN**

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Results experimentally researches of distribution of low-frequency voice-frequency sound signals (232 Hz and 696 Hz) are submitted in the frontal zone in a northwest part of Pacific ocean. The reception system (3 single hydrofons on depths 60, 650 and 1000 m) settled down in the field of waters of subtropical structure. Depth of a source-100m. Dependence of an average pressure level of probing signals on change of spatial hydrological characteristics is shown. Alongside with already predicted fact of increase in an average level of the signals radiated in northern part of a trace, where the source settled down near to an axis of the underwater sound channel, a number of unexpected effects is marked. In particular, on a background of the general increase in an average sound level, were observed abnormal leap of an average pressure level at crossing by a radiator of cold vertical formations in northern part of front.

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