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LAMONT GEOLOGICAL OBSERVATORY
Columbia University
Palisades, New York

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⑨ Quarterly Letter Report No. 18,
1 July ~~1965~~ → Sept ~~1965~~,
(30)

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⑮ Nonr-266(82),
ARPA Order ~~218-61~~
Project Code ~~W-8100~~
Contractor: Columbia University
Contract Date: 1 April 1961
Contract Amount: \$360,178
Contract Number: Nonr 266(82) ✓
Contract Expiration Date: 31 Mar. 1966
Project Scientist: Kenneth Hunkins.
(10) ~~Woods Hole~~

⑪ 30 Sep 65,
⑫ 4p.

⑥ Studies in marine geophysics and underwater sound
from drifting ice stations.

1. Fletcher's Ice Island (T-3)

The summer crew consisted of John Yearsley (leader of the field program and physical oceanographer), Eric Rice (research assistant) and Ed Davis (research assistant and underwater acoustician). Special programs in physical oceanography and underwater acoustics supplemented the regular marine geophysics program during the summer. The oceanography program included temperature measurements with thermistors for the detection of internal waves and standard hydrographic stations. The underwater acoustics program was specifically directed at the detection of signals from bombs detonated by the U.S.C.G. NORTHWIND during her trip into the Barents and Kara Seas. A number of shots were detected at T-3.

2. Data analysis at Lamont

An effort was made to bring the reduction of geophysical data up to date. Ralph Shaver worked on gravity reductions, Jeff Friedberg on magnetic reductions and John Berry on navigation and bathymetry. Kenneth Hunkins spent several weeks at Woods Hole Oceanographic Institution attending the Geophysical Fluid Dynamics seminars and consulting with Ferris Webster on the reduction of ocean current observations.

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3. Meetings attended and papers presented during the reporting period.

Kenneth Hunkins attended the Seventh International Congress of the International Association for Quaternary Research in Boulder, Colorado from Aug. 30 to Sept. 3, 1965. He read the following paper at the session on Quaternary History of Ocean Basins.

Hunkins and Kutschale, "Deep-Sea Sediments of the Arctic Ocean"

Hunkins also attended the International Upper Mantle Symposium in Ottawa, Canada from Sept. 4-9, 1965. At the Symposium on Continental Margins and Island Arcs, he read a paper on "The Arctic Continental Shelf North of Alaska".