



HOKKAIDO UNIVERSITY

Title	Glaciological Work in Northern Ellesmere Island : Motion Pictures
Author(s)	Dunbar, Moira
Description	International Conference on Low Temperature Science. I. Conference on Physics of Snow and Ice, II. Conference on Cryobiology. (August, 14-19, 1966, Sapporo, Japan)
Citation	Physics of Snow and Ice : proceedings, 1(1), 479-479
Issue Date	1967
Doc URL	https://hdl.handle.net/2115/20319
Type	departmental bulletin paper
File Information	1_p479-479.pdf



Glaciological Work in Northern Ellesmere Island

— Motion Pictures —

Shown by

Moira DUNBAR

*Defence Research Board, Department of National Defence,
Ottawa, Ontario, Canada*

Abstract

The present work is composed of two films.

The first dealt with the activities of a joint Canadian/United States expedition to the ice shelves off the north coast of Ellesmere Island in 1954. This was the second expedition to visit the ice shelf, following a Canadian expedition in 1953. Both were led by Dr. Geoffrey Hattersley-Smith of the Defence Research Board of Canada. The party consisted of four scientists and two Greenland Eskimos, and was one of the last expeditions to the Arctic to rely solely on dogs for transportation. The main glaciological interest of the film lies in the shots of the Ward Hunt Ice Shelf prior to the 1961-62 winter, when 600 km² of the shelf calved off to form ice islands.

The second film was made at the Defence Research Board's station at Tanquary Fiord, Ellesmere Island, in 1965. This station has been occupied every summer since 1963, carrying out a complex program in glaciology, meteorology, oceanography, and other disciplines. Much of the 10-minute film was concerned with an oceanographic traverse in Greely Fiord, Nansen Sound, and adjacent fiords by motor toboggan, a technique found very satisfactory.
