

**Alaska State Library
Historical Collections**

Guide to Collection

Miller, Maynard M.

Maynard M. Miller Photograph Collection, 1951

PCA 81

1 Album, 39 photographs
5 graphs & line drawings

SCOPE AND CONTENTS NOTE

Dr. Maynard Miller, founder and director of the Juneau Icefield Project, compiled this album of photographs while at Michigan State University during the 1951 Summer Institute of Glaciological and Arctic Sciences on the Juneau Ice Field. In addition to the 39 photographs, there are 5 pertinent graphs and line drawings.

A reprint of Dr. Miller's article, *Land Of The Taku*, c. 1951, from the "Canadian Alpine Journal" is also in the collection.

INVENTORY

- 1 Southern portion of Taku Glacier showing location of depth profiles determined by seismic soundings [line drawing of Taku Glacier and surrounding areas.]
- 2 Loading... "Weasel" on pallet board preliminary to aerial delivery by paradrop to Juneau Icefield [four men loading vehicle.] July, 1951
- 3 Into the maw of the "Flying Boxcar" goes the "Weasel" [vehicle being transferred from Orme flat bed truck to plane.]
- 4 Unloading 1/2 ton drill from Dakota Aircraft at Glacier Camp [four men unloading drill.]
- 5 Ski-equipped Dakota Aircraft supporting project at Camp 10 B [2-motored plane resting on snow covered ice; men unloading supplies.]
- 6 Three hundred pound loads are parachuted from the C-82 over Camp 10 [men near plane's parachute drop opening watching 'chutes open.]
- 7 Another Weasel dropped [vehicle on ice with men deflating attached parachute.] July 24, 1951
- 8 Three loads seen floating to ground [view from plane of three parachutes floating to snow covered ice.]
- 9 The 2 112 ton "Weasel" has "bailed out" successfully [aerial view of vehicle on snow; parachute still attached and air filled.]
- 10 Rotary core-drill unit erected on Taku Glacier Névé [tripod in place over drill; men above and beside drill; tents, left center.]
- 11 Glacier Research Camp 10 B, elev. 3575 ft., on Taku Glacier [view of tents and equipment from above.]
- 12 125 H.P. wheel-ski aircraft supporting expedition [man standing beside one-engine plane which is resting on ice.]
- 13 Ice-dammed lake on periphery of icefield [aerial view of lake and surrounding mountains.]
- 14 Studying seasonal layers of firm snow on the wall of a crevasse [man on rope ladder in crevasse.]

- 15 Glacio-Meteorological study camp on the Taku Glacier Névé; Camp 10, 16 miles up Taku Glacier, 40001 elev.[men near exterior of small building.]
- 16 [Two men shoveling snow to uncover expedition's over-snow vehicles.]
- 17 Ski-aircraft pilot [close up of man wearing sunglasses.]
- 18 Surveyor of the trail [close-up of man wearing brimmed hat and sunglasses.]
- 19 Meteorologist inflating a pilot balloon [man wearing sunglasses and no shirt.]
- 20 Digging out tents at Camp 3 after a September blizzard [2 men shoveling snow.]
- 21 A core sample of ice from 290 feet down [close-up of sample.]
- 22 Western margin of Taku Glacier terminus [view of glacier from water.]
- 23 Vertical aerial view of terminus, Herbert Glacier, on west side of Juneau Ice Field.
- 24 Terminal ice pinnacles on West Twin Glacier, Alaska [view from water.]
- 25 [Man sprinkling lead oxide dye on snow for reference point on late summer snow surface.]
- 26 Making free-water content determination of snow and firn [man at table containing test tubes and beakers.]
- 27 Seismological crew at work [two men working with machine which is mounted on a sled.]
- 28 Determining the free-water content of snow [two men at desk containing scientific equipment.]
- 29 A meta-volcanic spire on the Juneau icefield [two men on snowy path walking toward rock-like spire.]
- 30 Plane tabling on Twin Glacier [two men using instruments on top of small tripod.]
- 31 Cabling down one of the huts at the central base camp. [one man on roof of building attaching cable; one man on guard.]
- 32 On the Glacier drill rig [two men standing on boards in center of drill rig.]

- 33 A Worden gravity meter used in the research program. [close-up of meter sitting on snow.]
- 34 Electro-thermic glacier boring equipment [man holding tube-like object.]
- 35 Night-time studies in the firn pits [man in cave-like area holding glass tube.]
- 36 [Two men near snow bridge over crevasse.]
- 37- [Similar aerial views of glaciers showing river-like flow.]
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- 39 Field party on the trail [three men on skis.]
- 40 [Photograph of a map showing Juneau ice field and surrounding area; also camp sites and route of field party.]
- 41 Schematic Plan, Camp 10 B, 1950 [line drawing of camp, showing location of equipment and tents.]
- 42 Depth profiles of Taku Glacier determined by seismic measurements [four graphs.]
- 43 Cross-sectional views of Azimuth inclinometer camera unit showing accessory components [line drawings and photographs of camera.]
- 44 Magnetic surveys in bore hole #1, Taku Glacier, Alaska [graph showing data recorded at four different times.]