

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
ROCKY MOUNTAIN NATIONAL PARK
ESTES PARK, COLORADO

OFFICE OF THE SUPERINTENDENT

FEBRUARY 7, 1934

Dr. F.E. Matthes,
Chairman of Committee on Glaciers,
U.S. Geological Survey,
Washington, D.C.

Dear Dr. Matthes:

I am sorry that I have delayed so long in sending you information relative to glaciers here.

Glacier measurements in accordance with your wishes began in the fall of 1932 and two glaciers were measured. This number was selected because of accessibility and interest. They are Tyndall Glacier and Andrews Glacier. As no data was available in 1932 I did not send you a report.

Again in 1933 measurements were taken as well as photographs. The measurements on Tyndall show that from an established station to the nearest snow, the distance increased 32' 8" during the year. On Andrews Glacier, the distance increased 9' 6".

The weather record taken near Estes Park but not at an altitude similar to that of the glaciers, is as follows:

<u>MONTH</u>	<u>MEAN MAXIMUM</u>	<u>MEAN MINIMUM</u>	<u>PRECIPITATION</u>
September 1932	70.5	35.7	0.48 inches
October	55.5	27.6	0.54 "
November	47.2	23.5	0.09 "
December	30.8	14.5	0.60 "
January 1933	36.0	16.0	0.08 "
February	36.1	14.7	0.26 "
March	43.9	20.4	0.15 "
April	48.3	21.5	3.01 "

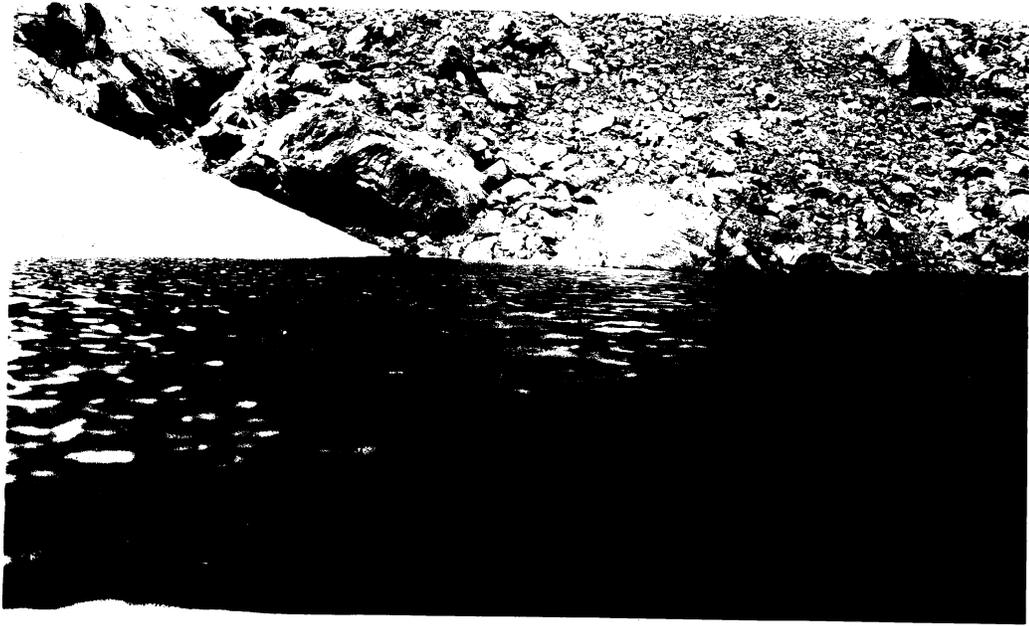
The snowfall for this period was the lightest that has been recorded for ten years. As you will notice the greatest precipitation occurred in April when nearly four feet of snow fell.

I am enclosing two sets of pictures, the first taken on the 1932 trip and the second taken last year. In addition, I am enclosing a copy of the last Nature Notes. On page 99 you will find a little more information relative to the glacier as written by Louis Quam of the Geological Department, University of Colorado.

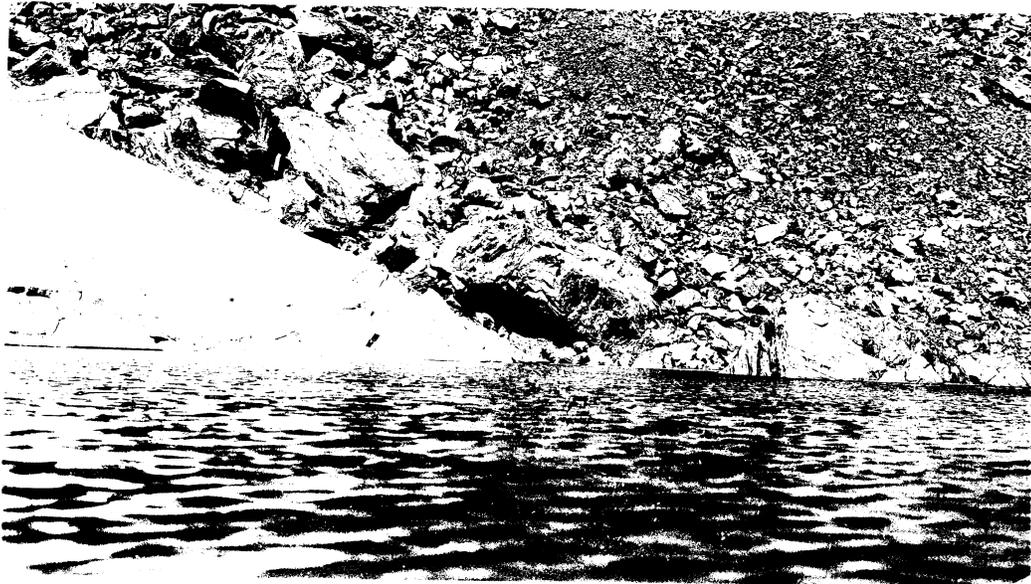
Trusting that this information is what you desire, I am

Yours very truly,

Dorr C. Yeager,
Park Naturalist.



Snout of Tyndall Glacier, 1932



Snout of Tyndall Glacier, 1933



Snout of Andrews Glacier, 1932



Snout of Andrews Glacier, 1933