of Minnesota, reports the following in connection with his work on certain of the glaciers in southeastern Alaska during July and August 1949. He was assisted in this work by Elizabeth Lawrence and Lloyd Hulbert.

"By a study of the age of trees growing on and beyond the recent terminal and recessional moraines, the history of glacier fluctuation in southeastern Alaska for the past six centuries was worked out in a preliminary way. Special attention was paid to the glaciers emanating from the southern half of the Juneau Ice Feld where recessions of 1.3 to 5 miles have occurred since the stage of maximum advance of the mid-1700's which had not been exceeded since at least 1300 A. D. and quite possibly since the waning stages of the Wisconsin Glaciation. In Glacier Bay, recessions since the mid-1700's have amounted to as much as 62 miles, which is 15 times as rapid as anywhere else in the world. An apparent relation was noted between glacier fluctuation and known solar activity. The technique employed in these investigations is described in an article in the April 1950 issue of the *Transactions of the American Geophysical Union,* and the results are described in detail in articles in the 1949 *Mazama Annual* and in the April 1950 issue of the *Geographical Review*. This work was sponsored by the American Geographical Society of New York, Office of Naval Research, Graduate School of the University of Minnesota, the Mazama Hardesty Trust Fund, the United States Forest Service, and the Committee on Glaciers of the American Geophysical Union."

F. D. AYRES

Sierra Club. The regular summer outings of the Sierra Club in the Sierra Nevada gave opportunity for a great deal of relatively easy climbing at elevations from 12,000 to 14,496 ft. The Base Camp spent four weeks beneath the 14,000-ft. peaks seven miles S. of Mt. Whitney, and 105 of the party spent the night on the summit. The High Trip was in the region of the Kaweah peaks, and a number of them were climbed. A second trip to the Teton range was led by John Thune. The primary objective was knapsacking through the remote back country of the park, with an ascent of the Grand Teton and some of the other fine peaks of the range. A knapsack trip is scheduled from August 1st to 10th in the wild Kintla region of the N.W. corner of Glacier National Park. Members of the A.A.C. are always welcome on any Sierra Club trip.

R. M. LEONARD