

windy but sun out most of time. High cirrus clouds. Temp lake yesterday  $42^{\circ}\text{F}$  and also today at noon. One young caribou (blackish brown) passed camp. It was observed to run west 2 minutes without stopping. It disappeared and may have kept up pace beyond. It is remarkable how these animals are able to keep up this pace and at the same time traverse such rough terrain. Old squaw duck killed today for measurement. 390 mm length, 105 wing, 26 exposed culmen, 64 tail. The young of this bird (2 originally measured 300 length, wing 118, tail 49, ex. culmen 22, weight 320 gms. The young of these birds cannot fly. The meat on breast is practically nothing but a few layers of muscle as compared to the thick muscle of the adult ♀. The adult was molting and could not fly. I have wondered how precariously these birds live at this time of year, totally helpless, both adults and young, and no way to leaving country in case of a sudden climatic change to sever cold and freezing. Since we have been here these old squaws (4 adults and 8 young of 2 families have been frequenting the south shoreline. After shooting one old squaw today, the family of 6 moved to the north part of lake. Groups of pectoral sandpipers moving east today in what appears to be a trend compared to yesterday. They were in groups of 2-18-16-8-17-6-8-4-8. Caribou trail on west side of lake but not used this year. Evidence of about 8 moved from west to east having passed in the last week or so. Some large tracks which must be moose. Old trails south side lake through willows not used for several years. Owl (snowy or short-eared), the latter more likely flew across lake from north and hunted south side. It dropped to tundra three times, once at a Lapland longspur. Ptarmigan falling at 11:30 P.M. many odd sounds not heard during the day from lake. Caught second squirrel from mound where 2 were observed the morning of the 21<sup>st</sup>. Temp. midnight  $34^{\circ}\text{F}$ , max.  $48^{\circ}\text{F}$ , min.  $16^{\circ}\text{F}$ .

Aug. 23, 1952

Collected all traps and prepared for departure for Umiat. 2 long-tailed jaegers fed on refuse pile 20 feet from camp. This lake has been designated as  $69^{\circ}35'15''00'$ , approx. 470 ft. Small ptarmigan again on east side of lake so they must follow parents across. Caught one  $\frac{3}{4}$  grown bird in trap by toe and released it. It dropped into water and could