

Chandler Lake,  $68^{\circ}12'$ ,  $152^{\circ}45'$ , 2900, Brooks Range, Alaska.

Aug. 25, 1961

Min. temp last night  $23^{\circ}\text{F}$ . At 9:00 A.M.  $40^{\circ}\text{F}$  in shade and  $58^{\circ}\text{F}$  in sun. Prospects of a clear day. Anderson will certainly be here today as weather is perfect for flying. In the meantime will pull all traps and prepare for departure. Photographed the following conditions of the effect of last night's freeze on creek - N of Camp. Photograph 510825-1 of creek showing extent of ice crystals. In many places it was completely sealed with ice. The sun is melting ice on creek wherever exposed to sun rays. The bottom of creek and willow-bordered edges can be seen from this photo. Photo 510825-2 of close-up of ice crystal formation over creek bed. Photo 510825-3 also of crystal in creek. Temp at this time (almost <sup>creek</sup> surface)  $35^{\circ}\text{F}$ . Ponds had larger crystals than creek being longer and more slender. Most undisturbed water frozen but lake or its edges not influenced by low temperatures of last night. At 8:00 A.M. Chandler Lake like a mirror for about 1/2 hour. From trapline of last night collected the following mammals: 9 *Microtus murus*, 22 *Clethrionomys rutilus*. All mice frozen in traps. Vegetation with heavy dew. Chandler Lake water at 9:00 A.M.  $46^{\circ}\text{F}$ . This A.M. made final trip to marmot ridge to pull the 5 steel traps and to record the general area from the top of the marmot ridge vantage point. Made top of ridge by wide traverse from camp. Photo 510825-34 of lower slopes of mountain just west of camp. The trapping area of 63 traps of a week or so ago is now a greenish-yellow meadow to the left of photo just above the boulder accumulation. Area to right general trapping area of last 2 or 3 days. Red color from *Betula nana* which is now tending toward a brown instead of the brilliant red of a week ago! The entire hillside supports *Clethrionomys* with *Microtus murus* preferring damp swales of willows and grasses. The mountain in the background was favorite feeding and resting grounds of the skull sheep which use pastures and rocky ridges for protection from winds. The slope, from extreme left upper to base of range, support trails of caribou and sheep. Main talus boulder field to left of photo. Note snow on peak to right. Winds have sealed irregularities of peak. This photo shows the *Clethrionomys* - *Betula nana* association between the precipitous mountain slopes and the low marsh communities below. Mixed in with this association is the upland grass meadows or *Microtus murus* - *Salix* association.