

arrives which may be very abrupt. At that time 50% of ground covered with snow. Lakes always frozen but they use rivers and creeks. They arrive middle of May. It is a period of loud calling and nuptial performances. Geese and brant call all night. Noise and activity break up at nesting time. In fall birds return to ocean where they flock. Birds leave the country as they come. Cold weather and freezing lakes seem to initiate departure. Lakes freeze about 1<sup>st</sup> September. Ducks tarry but small song birds leave suddenly.

17. 80 miles NNE Fairbanks at Beaver Creek, trees mainly spruce and birch with few poplar. martin in rugged slopes in timber from 10-12 feet high. The colder it gets the higher they go. Owls get them in open country and as a result martin shun openings as the weasel does and when forced to journey across such clearings run rapidly.

18. young timber wolves taken at Lovengood mine about 50 miles north of Fairbanks.

19. Beaver common at 85 miles N Fairbanks on Beaver Creek. Approx. 500 in 60 miles and in groups of 5 or 6 per pond.

20. 7 wolves fed on one moose and cleaned it up overnight.

21. Good number of mink and lynx at Minto Lakes about 45 miles north of Fairbanks.

22. martin nocturnal.

23. Lynx migrate across country as they follow game and food. It is common experience to catch 5 or 6 in one night and then not see or catch another one for a week or month.

Koolak, 49° 56' 00", 160° 14' 51", 178 ft., Alaska

July 26, 1951

Last night cloudy with trace of rain. no wind. mosquitoes at their best. This A.M. collected following grasses and sedges from damp areas associated with *Clinox acrostonyx* - *Eriophorum* association. all taken from hummocks of cottongrass and all weakly subdominant.

510726-1 *Arctagrostis latifolia* (R.Br.) Griseb.

510726-2 *Carex lugens* Holm.

510726-3 *Poa arctica* R.Br.

510726-4 *Carex aquatilis* Wahl.

510726-5 *Carex lugens* Holm.

510726-6 *Arctagrostis latifolia* (R.Br.) Griseb.

510726-7 *Calamagrostis canadensis* (Michx.) Beauv.

From *Acrostonyx* - *Eriophorum* association collected the dominant