

1 1/4 mi NW Umvat, 1 1/2 mi. W and 3/4 mi N Umvat, 69° 22' 18", 152° 08' 10",  
370 ft., Alaska.

Aug. 31, 1951

Checked trapline of 150 traps. Each trap 20' apart and in same position as originally set. Mammals caught.

1. *Lemmus trimucronatus*
- 20 *Microtus oeconomus*
- 1 *Microtus murus*
- 11 *Clethrionomys*
- 2 *Sorex cinereus*
- 2 *Sorex tundrensis*
- 1 *Acanthis linaria* (sp.?)

The *Clethrionomys* were, as usual associated with high overhead protection and relatively open ground below the overhead protection. *Sorex tundrensis* in dry areas among dense evergreenlike mat plants. Many *Clethrionomys* in same situations *Microtus murus* was taken in what would be good *Microtus oeconomus* community but near alder and willow growth. *Microtus oeconomus* in wet grass marsh and in drier areas but associated or adjacent marsh meadows. *Lemmus* in cottongrass in damp areas. The trap was between 2 hummocks of *Eriophorum*. *Clethrionomys* in variety of places but mainly in areas of high, other than grass, protection. This evening checked trapline at twilight (field numbers 39 to 52) as follows:

- 9 *Microtus oeconomus*
- 4 *Clethrionomys rutilus*
- 1 *Spizella arborea*.

From trapping so far all animals are active at least sometimes during daylight hours.

Collected dominant and conspicuous lichens and mosses in the various areas (510831-53 to 510831-100). (32 samples with several species in each sample). Species are as follows:

- 510831-53 *Peltigera aphthosa* (L.) Willd.
- 510831-54 *Cladonia gracilis* v. *chordalis* (Flk.) Schaer.
- 510831-58 *Cladonia rangiferina* (L.) Web.
- 510831-59 *Dactylina arctica* (Hook.) Nyl.
- 510831-60 *Alectoria nigricans* (Ach.) Nyl.
- 510831-63 *Cetraria nivalis* (L.) Ach.
- 510831-63a " *cucullata* (Bell.) Ach.