

an intermountain bog. Traps 201-250 set here.

9 mi. S Robertson, 8400ft., Tintu Co., Wyoming.

July 1, 1948

This A.M. inspected traplines set last night. The second set of traps (85-157) was inspected first as follows:

85 *Peromyscus maniculatus* 1-7-1-48; 86-88 sprung, bait gone; 89-112 uneffected; 113 *Peromyscus maniculatus* 2-7-1-48; 114-117 uneffected; 118 *Peromyscus maniculatus* 3-7-1-48; 119-136 uneffected; 137 *Microtus longicaudus* 4-7-1-48 in rock pile among artemisia on bare soils 30 feet from wet meadows, soils dry & uninviting (more fit for a lizard); 138-143 uneffected; 144 *Peromyscus maniculatus* 5-7-1-48, in artemisia, rocky, dry with few blades of grass, 30' from meadow; 145 *Zapus princeps* 6-7-1-48, same as above but with a few aspen 30 feet from meadow. This case and no 4-7-1-48 were two instances of mammals leaving normal community and entering less favorable ones (dry). I doubt whether *Microtus montanus* has this degree of adaptiveness; 146-157 uneffected.

The third trap line produced: 158-181 uneffected; 182 *Microtus longicaudus* 7-7-1-48, high grass and matted understory, no runways but along fallen log; 183 *Microtus longicaudus* 8-7-1-48 at side of log and otherwise as above; 184-186 uneffected; 187 *Microtus longicaudus* 9-7-1-48 base of tree bark in dry deep grasses among aspen, soil dry, no runways. It is quite evident that *Microtus longicaudus* inhabits tall grasses where soils & ground are free of other grasses outside of the bases of the high grasses & plants. *Mertensia* is always good trapping or among bare soils beneath dead willow stands or abandoned pool bottoms. This is in contrast to the short grasses of wet open meadows where most of the regularly used runways of microtines are found. *M. longicaudus* is less dependent of established runways and move about extensively & widely beneath the high overhead protections of vegetation under which the vegetation is sparse.

The fourth trap line is as follows: 188-194 uneffected; 195 *Peromyscus maniculatus* 10-7-1-48; 196-200 uneffected. The above area was 12 feet long and one foot wide or 8.3% of total area. One immature *Microtus longicaudus* taken alive last night when a board was removed in a depression where no 195 trap was placed.