

and *Microtus longicaudus*. Area of lower montane with aspen and fir dominant. Traps 1-44 placed 10 feet apart. Research area B-7-14-48 in open field on approx 7° slope and supplied by springs and willow dominant. Grasses & sedges average 1 1/2 feet high. This area should support *Microtus montanus*. Traps 45 to 112 among conifer trees and aspen adjacent to meadow above. Few isolated logs. Research area C-7-14-48 at camp along typical montane creek dominated by spruce, aspen, willow and high grasses & other shade loving plants. Creek averages 5 feet across. Traps 113-195 here. All traps of all research areas within 300 feet of camp.

8 mi. N and 19 1/2 mi. E Laramie, 8800 ft., Carbon Co., Wyoming

July 15, 1948

Inspected trap line this A.M. as follows; Research area A-7-14-48: 1-9 uneffected, 10 sprung; 11 *Zapus princeps* 1-7-15-48 among heavy growth of *Mertensia*; 12-19 uneffected; 20 *Zapus princeps* 2-7-15-48 along saturated *Mertensia* (dew); 21 uneffected; 22 *Microtus longicaudus* 3-7-15-48; 23-24 uneffected; 25 *Zapus princeps* 4-7-15-48; 26 *Zapus princeps* 5-7-15-48; 27-34 uneffected; 35 *Zapus princeps* 6-7-15-48; 36 *Zapus princeps* 7-7-15-48; 37 uneffected; 38 *Zapus princeps* 8-7-15-48; 39-41 uneffected; 42 *Zapus princeps* 9-7-15-48; 43 *Microtus longicaudus* 10-7-15-48; 44 *Zapus princeps* 11-7-15-48 end of line. Contrary to general belief, *Zapus* do not accidentally set off traps. Two mammals were frequently captured in some area. Results of research area B-7-15-48 as follows. 45 uneffected; 46 *Microtus montanus* 12-7-15-48 in runway; 47 *Microtus montanus* 13-7-15-48 in runway; 48 sprung; 49 *Microtus montanus* 14-7-15-48; 50 uneffected; 51 sprung; 52-54 un-effected; 55 *Microtus montanus* 15-7-15-48 in runway; 56 uneffected; 57 sprung; 58 *Peromyscus maniculatus* 16-7-15-48 from runway. At this point 59-60 uneffected; 61 *Microtus montanus* 17-7-15-48 from runway; 62-63 uneffected; 64 sprung; 65 uneffected; 66 sprung; 67-72 uneffected; 73 *Microtus montanus* 18-7-15-48 from runway; 74-82 uneffected; 83 *Microtus montanus* 19-7-15-48 in runway; 84 uneffected; 85 *Microtus montanus* 20-7-15-48; 86-87 uneffected; 88 *Microtus montanus* 21-7-15-48; at edge of log and represents one out of three traps set together. In this case only one animal visited the area. I have found that log sets in grassy meadow would not yield expected results; 89-104 uneffected; 105 at this trap observed a *Microtus montanus* run 15 feet up a water runway among grasses to a fallen log in a wet situation. The log supported a nest of this *Microtus*. This occurred at 1 hour after sunrise and represents a situation where *Microtus montanus*