

solutions move toward the valley or, more likely, the result of faulting.

This afternoon set 100 traps at  $3\frac{2}{10}$  mi east and  $\frac{6}{10}$  mi S Cody, 5120 ft., Park Co., Wyoming. Photo 2-8-10-48 indicates the general area. The monocline on N side Shoshoni Canyon is shown in photograph. The source of water in these meadows is SW of Shoshoni Canyon and continues for 10-15 miles. The meadows adjacent creek are dense cattails, bull rushes, sedges & grasses. Beyond are Chrysothamnus, Artemisia, greasewood, Cheatgrass etc. Upper left hand of photo shows grazing control of life form. Beyond these limits are cultivated fields. Meadows controlled by water courses. <sup>research area A-8-10-48</sup> Traps 1-50 on dry soils among rabbit brush, Artemisia, greasewood & Cheatgrass. No runways present. <sup>res. area B-8-10-48</sup> Traps 50-100 in wet sedges & grass community where runways were numerous. After original setting returned to traps and found: trap 58 with a *Microtus pennsylvanicus* 3-8-10-48; 82 *Microtus montanus* 4-8-10-48. Returned to base camp at mouth of Shoshoni Canyon.

Mouth Shoshoni Canyon, Park Co., Wyoming  
Aug 11, 1948

Last night rained slightly. Inspected research area A-8-10-48 at  $3\frac{2}{10}$  mi. E and  $\frac{6}{10}$  mi. S Cody, 5120 ft., Park Co., Wyoming (positive record only). trap 2 *Peromyscus maniculatus* 1-8-11-48; 8 *Reithrodontomys* 2-8-11-48; 9 *Reithrodontomys* 3-8-11-48; 14 *Melospiza melodia* 4-8-11-48; 26 *Peromyscus maniculatus* 5-8-11-48; 53 *Microtus montanus* 6-8-11-48; 54 *Microtus longicaudus* 7-8-11-48; 58 *Microtus montanus* 8-8-11-48; 68 *Microtus montanus* 10-8-11-48; 72 *Microtus montanus* 11-8-11-48; 74 *Microtus montanus* 12-8-11-48; 76 *Microtus longicaudus* 13-8-11-48; 82 *Microtus longicaudus* 14-8-11-48; 88 *Microtus longicaudus* 15-8-11-48; 92 *Microtus pennsylvanicus* 16-8-11-48; 93 *Microtus pennsylvanicus* 17-8-11-48; 96 *Microtus montanus* 18-8-11-48; 97 *Microtus montanus* 19-8-11-48; 99 *Microtus montanus* 20-8-11-48. Reset traps in research area A-8-10-48 except in wet sedge-grasses in a parallel line 30 feet from yesterday line. On return after set caught ( $\frac{1}{2}$  hour later ~~at~~ before sundown). 21 *Microtus pennsylvanicus*; 22 *Microtus longicaudus*; 23 *Microtus montanus*. This is a rather interesting situation where the only mammals captured were 3 different species in consecutive traps (each 20 feet from the other) in the linear line. Returned to base camp.