

Mouth Shoshoni Canyon, Park Co., Wyoming

Aug. 12, 1948

This A.M. inspected traps in research area A-8-10-48 at 3<sup>2</sup>/<sub>10</sub> mi. E and 4<sup>1</sup>/<sub>10</sub> mi. S Cody, 5120 ft., Park Co., Wyoming:

trap 2 *Reithrodontomys* 1-8-12-48; 4 *Microtus montanus* 2-8-12-48; 5 sprung; 7 sprung; 9 *Microtus pennsylvanicus* 3-8-12-48; 10 *Microtus pennsylvanicus* 4-8-12-48 from a trap in standing water in a runway in cattails; 12 sprung; 15 *Peromyscus maniculatus* 5-8-12-48; 17 *Microtus pennsylvanicus* 6-8-12-48; 19 *Microtus pennsylvanicus* 7-8-12-48; 20 sprung; 22 *Microtus montanus* 8-8-12-48; 26 *Microtus pennsylvanicus* 9-8-12-48; 27 sprung; 33 sprung; 34-35 sprung; 38 *Microtus montanus* 10-8-12-48; 40 *Reithrodontomys* 11-8-12-48; 41 *Microtus pennsylvanicus* 12-8-12-48; 42 *Microtus montanus* 13-8-12-48; 43 sprung; 44 *Microtus montanus* 14-8-12-48; 45 *Microtus montanus* 15-8-12-48; 46 sprung; 47 sprung; 48 *Microtus montanus* 16-8-12-48; 49 sprung; 51 *Microtus pennsylvanicus* 17-8-12-48; 53 sprung; 56 *Microtus pennsylvanicus* 18-8-12-48; 60 sprung; 62 sprung; 63 *Microtus longicaudus* 19-8-12-48; 64 *Microtus montanus* 20-8-12-48; 65 *Microtus montanus* 21-8-12-48; 66 *Microtus montanus* 22-8-12-48; 67 sprung; 68 sprung; 69 sprung; 73 sprung; 75 *Reithrodontomys* 23-8-12-48; 76 *Microtus pennsylvanicus* 24-8-12-48; 78 sprung; 79 *Microtus* 25-8-12-48; 81 sprung; 82 sprung; 84-85 sprung; 87 sprung; 88 *Reithrodontomys* 26-8-12-48; 89 sprung; 90 *Microtus pennsylvanicus* 27-8-12-48; 77 *Reithrodontomys* 29-8-12-48;

From the above collected the following grasses

40-8-12-48	_____	dominant + used by <i>Microtus</i> .
41 (1)-8-12-48	_____	" " " " <i>Reithros.</i>
41 (2)-8-12-48	_____	" " " " "
42 (1)-8-12-48	_____	
42 (2)-8-12-48	_____	
42 (3)-8-12-48	_____	

The above three associated with dominant 40-8-12-48 as *Microtus* community. In general *M. pennsylvanicus* and *M. longicaudus* inhabit wetter areas of cattail where cover is rank and high and under cover of grass lacking. *M. montanus* in matted grasses without high overhead protection. All three species from same runway, however. Returned to base camp at mouth of Shoshoni Canyon. At this point the *Micropaiza columbiana* feed on piñon pine throughout the entire day. They feed in trees out as far as the grasslands (last trees before grasslands take over). The *Cyanocephalus cyanocephalus*