

montane along creek. The elevation here is 5720 feet and 300 yards beyond last set but will include as some locality. The grasses are dense and matted and trails hidden except when grass was separated. Runways seemed smaller than *M. ochrogaster* and in denser grasses than usually inhabited by *M. ochrogaster*. Traps 59-76 in runways. Research area D-8-18-48 on south side of creek in grasses at edge of aspen and 150 feet uphill from creek and water. Traps 77-86 here. Returned to base camp.

4 1/2 mi. W and 1 mi. S Buffalo, 5420 ft., Johnson Co., Wyoming
Aug 19, 1948

This A.M. inspected traplines at 6 1/2 mi. W and 2 mi. S Buffalo, 5620 ft., Johnson Co., Wyoming. From research area A-8-18-48; trap 5 *Microtus ochrogaster* 1-8-19-48; 6 *Peromyscus maniculatus* 2-8-19-48 in same runway used by *Microtus ochrogaster*; 15 *Peromyscus maniculatus* 3-8-19-48 *ibid*; 18 *Peromyscus maniculatus* 4-8-19-48. From research area B-8-18-48; trap 21 *Zapus princeps* 5-8-19-48; 33 *Peromyscus maniculatus* 6-8-19-48; 38 *Peromyscus maniculatus* 8-8-19-48; 50 ⁴⁷ *Zapus princeps* 8-8-19-48; 50 *Zapus princeps* 9-8-19-48. From research area C-8-18-48; 61 *Peromyscus maniculatus* 10-8-19-48. This area supported good runways and looked as if *M. ochrogaster* may have inhabited this area at one time and then retracted its range. From research area D-8-18-48 a single *Peromyscus maniculatus* from trap 79. Dominant grasses from area A-8-18-48 are:

13(1)-8-19-48 _____

13(2)-8-19-48 _____

From along creek among cottonwoods and spruce and aspen (research area C-8-18-48) collected two *Tamiasciurus*. a female 14-8-19-48 from area 50 flt from C-8-18-48. Returned to base camp. A rancher from Kaycee, Wyoming told me that there were 300 antelope on his ranch at Kaycee. Before 1931 they were rare. They came from the south and east. Antelope are rare from Buffalo to Sheridan. Antelope feed ^{with} like cattle ~~in~~ open fields while deer used cultivated fields and canyon bottoms. When antelope are with cattle in cultivated fields they feed on weeds. There is no vegetational change accompanying introduction of antelope to Kaycee. All canyons have abrupt entrance to ^{Big Horn Range}

This evening established research area A-8-19-48 at