

abrupt change of grasses at the base of the mt. Range and the pine (*Pinus ponderosa*) covered slopes of the mountain. Pines penetrate the grasslands only in favorable edaphic communities in and along canyons or erosional gullies and then only on the north exposures and that had continuous contact with the main pine community of the mountain slopes. Such a contact would serve as a good place for an ecological study. With binoculars could not see either deer or elk beyond pines to at the base of the range. The grasses on these slopes at my position where picture was taken, are in good stands even though many cattle grazed in the area. From here travelled east along crest of this mountain at approx.  $4\frac{1}{2}$  mi. W and 2 mi. S Buffalo, took photo 11-8-20-48 of the Buffalo (City) area and Great Plains to the east. Clear Creek Canyon below shows Pleistocene benchland and other erosional formations. The distant Great Plains appear to be dissected more than they actually are. As one travels N or S of here the Great Plains become more typically flat. This factor of greater relief of the plain at this area may account for the apparent absence of antelope in this area.  $\int$

This evening drove down to Klondike and established a transect up Crazy Women Canyon, starting at Buffalo Post Office at mileage 39.5 recorded rabbits and sageshens killed on highway:

39.5	Buffalo City;	41.6	3 rabbits;	45.3	1 rabbit;
46.2	2 rabbits;	46.7	1 rabbit;	47.6	1 sagehen ( <i>Centrocercus urophasianus</i> );
48.3	2 rabbits;	49.7	2 rabbits;	50.2	2 rabbits;
54.1	1 rabbit;	54.6	2 rabbits;	56.3	1 rabbit;
58.2	1 rabbit;	58.7	1 rabbit;	59.2	1 rabbit.

The rabbits were either white-tailed jackrabbits or cottontails. Up to now I had not seen rabbits at base camp but on flatter section of country (open and exposed) found them not to uncommon. Six other sageshens observed enroute (two ones in field) enroute to Klondike.

Established the following research areas in the Crazy Women transect as follows: Research area A-8-20-48, 20 traps at  $\frac{1}{4}$  mi. E Klondike, 5160 ft., Johnson Co., Wyoming. Traps every 10 feet in wet field of sedges and grasses. Area influenced by erosional levels of Pleistocene activity and some 2 mi. E of influence of mountain range. All traps in an obscure and abandoned irrigation ditch running