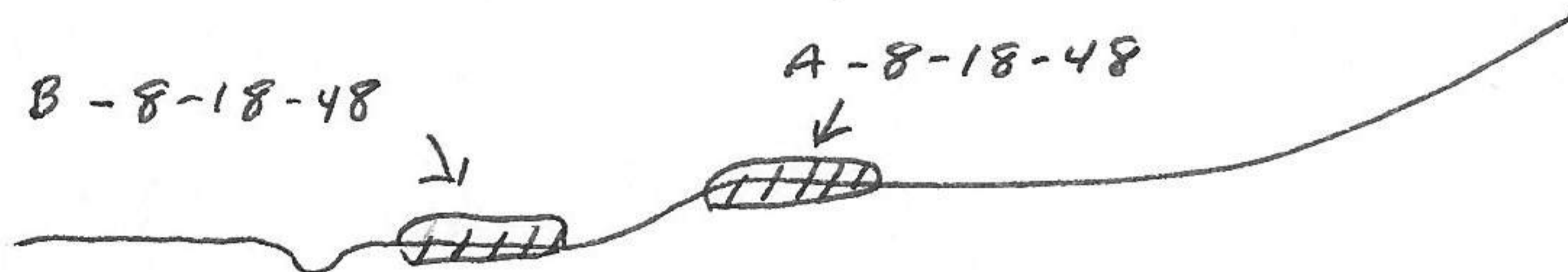


Under the tree used as nesting tree the ground was covered with the terminal branches of the ponderosa pine (approx 8" long) and as there was no evidence of the branches having been chewed assumed that they had been broken as a result of the squirrels climbing about the trees for cones. Each area inhabited by squirrels had 2 tree nests, one of which was older. One dead prairie chicken here. Also one *Erethron epipanthus* dead by one of the nesting trees. There were approx 5 *Tamiasciurus* per 2 1/2 hours at usual hillside gait of walking. *Microfrago columbiana* in area but did not recognize pinyon trees.

This afternoon went to 6 1/2 mi. W and 1 mi. S Buffalo, 5620 ft to establish several research areas. Photo 34-8-18-48 of general area. This canyon turns at right angles to the south at this point as determined by geological structure. All strata dipping sharply to the east. *Ponderosa ponderosa* dominant on south exposures and fir, spruce and aspen further up canyon. The montane in canyon floor. Most of trapping on erosional benchland of grasses and in old creek channel in the canyon floor proper.



Established research area A-8-18-48 on benchland of grasses and adjoining present creek valley. Grasses mainly Cheat grasses. Runway extend into shrubs of rose, chokeberry, gooseberry and on partly exposed rocks - much like the area at 4 1/2 mi. W and 1 mi. S Buffalo. In the above area (A-8-18-48) *Microtus ochrogaster* extended from the benchlands up slopes of pinyon woods. The trails were always associated with canyon floor communities and decreased with distance from the canyon floor. In river valley the runways were only in isolated areas of favorable grass communities. Trails almost continually or partially exposed to view from above. Traps 1-18 in this plot. Research area B-8-18-48 of traps 19-58 and in creek bottom adjoining benchland. It is a creek channel now disconnected. Supports good growth of short rose, gooseberry, chokeberry and tall grasses. Maple bordering. Would estimate this area as supporting *M. ochrogaster*. One spurred towhee and a blue-racer from here. Research area C-8-18-48 beyond bend in canyon and at the junction between transition and