

plot the *Microtus* were literally moving the surface and in about same proportions as originally found in research area of last night before I had started regular trapping. The *microtus* were moving as near as 10 feet to area. Cow say that area is relatively barren compared to similar areas 30 feet away. There appears to be territories established among groups or families. It appears as if one can trap out the *microtus* of a selected spot, within the general range of the *microtus*, and that once trapped from this area they will not reinvade again. The areas adjacent to the plot were relatively undisturbed.

From now on made a few casual observations while skinning and measuring mammals. Measurements in general for today will be included at the end of the days notes. At 12:30 P.M.

Collected a *Eularnias* (6-8-3-39) <sup>(To B.Y.U. Collection)</sup> among the maple and oak at edge of Canyon floor about 30' up side hill from our station camp. It measured 188-90-29 ♂ and weighed 35 grams. The ticks were about as large as pin heads and were completely gorged with blood. They readily left the specimen. Other mites present.

*Citellus* started sunning at 9:15 A.M. on logs in front of cabin. At 2:00 P.M. it was observed on same log but no sun at this time. Wonder if possible such vantage points are for lookout points as well as for sunning. At 4:00 P.M. collected a *Citellus* (17-8-3-39)

*v. utah* near cabin. This one is one of about six that are frequently seen on wood pile about 40 feet east of cabin. This wood pile is formed by about 12 aspen logs piled on the ground in normal way. The squirrels seem to use this log pile consistently as resting places and retreat. Within the protected portion of the log pile and near end is found a hole that is probably used as a den. Whether the total number of *Citellus* observed here are using this den I could not say but it is used, nevertheless by a certain number of *Citellus*. Another area is found some 100 beyond at the stable and corral. Here one sees these mammals resting on top or scurrying to back of stable where hole is located.

Their range is over the pastures & up hillside to south as far as 400 feet. Most of the *Citellus* are immature ones or are naturally smaller than our wasatch forms. The great number are about the same size as the one collected above which measured 408-180-61 ♂ and weighed 455 grams. These squirrels are evidently