

3809, 17, 23, 1

undisturbed ground would finally alight upon the newly disturbed areas for the final act. This area was in full exposure of sun except toward afternoon when lengthening shadow of juniper would intercept. Felt it very remarkable that such an insect could return to same square inch time after time. Red Tail flew by with partially closed wings and lit in juniper on divide to south.

2:00 P.M. Leaving our station on top and making little reconnaissance to in close vicinity to find out just why we have not encountered any mammalian forms since leaving Bonneville level this morning. The course took us to the west, south and finally arriving at ^{Juniper covered} pass below & ^{south of} our present point. All ground covered within 3 blocks of station on top and during a period of 1 hour & 45 minutes.

mammals & Birds observed & collected during this period:

(87838J.B) *Eutamias d. utahensis*. Among large jumpers in west exposure near top of canyon about 2 blocks to the S.W. When first observed was 30' away & stopped at base of tree. After collecting could hear another one possible 100 feet away but in some group of jumpers. I after words saw it but did not have a chance to collect. Associated with this stand of juniper at head of gulch were 4 cottontail rabbits ^{1 1/2" - 2 1/4" - 4"} 2 of which I collected (87638J.B) and (87738J.B).

These *Sylvilagus* were found at peripheral edge of jumpers and when jumped would run into grove. One of these had resting hole under a *Artemisia* and another one under a *Chrysothamnus* bush. Beside pellet indication were several dusting bowls that had been used by cottontails and were found again on peripheral edge, general place on ridge or flat area. The numerous fresh juniper berry seeds found upon the logs and ground indicated the presence of the *Eutamias*.

(87938J.B) (88038J.B) and (88138J.B) were collected in pass at a point directly south of highest point. All three taken within 200 of each other and in same general grove. One other was heard but not collected. Generally found either running on the ground or in juniper. The one collected in juniper was calling loudly. These *Eutamias* also have a bud-like call resembling the clucking of a mother hen. Here again was found considerable evidence of the *Eutamias* in their piles of juniper seeds found upon the tree trunks & ground. Jumped 3 more *Sylvilagus* and one *Lepus c. d.* The Jack left