

the process of copulation consisting of 2 male & 1 female. The ♀ was conspicuously larger in comparison. The ♀ led the way up the rocky cliff and at every pause would allow the ♂ to copulate. Occasionally the males would copulate themselves. The activity was not vigorous as in the case of white rats of the laboratory, although the males would scent the reproductive organs of the ♀ before copulating. The 2 males kept in close contact with the ♀ at all times. This occurred at the first prominent cliffs on west side of Dry Canyon near mouth. One chipmunk was observed on cliff on east side of canyon only 20' below a nesting red-tail hawk. A mourning dove was flying at a high speed directly toward me when suddenly it turned and circled around and made it approach against the wind. It had intention of alighting with me. Had no idea why she wanted to join me. It came in as if lightning but at 15' it recognized me and flew away again. The red tail on the east side of canyon was facing south in the direct sun rays. Next morning it was observed to be facing north at 8:30 A.M. Watched a pack rat run across the side hill to a rock slide. Observed 3 rock squirrels associated with the cliff area and 1 on bench to the west. Marmots also associated to the cliff areas. Seven W.T. Swift in canyon.

5/15/37

Trip to top of Y mountain. Left home at 6:00 A.M. Top of Bonneville level at 7:00 A.M. Sun at 7:00 just clearing upper B.V.U. Campus. Arrived at Y at 8:00 A.M. 9:30 A.M. Maple Flat turnoff in Slide Canyon. Continued to Bear flat and ate dinner at Springs. After dinner went to top of Y mountain and then down Rock Canyon Ridge to mouth of Rock Canyon. Made a few observations along the way. A marmot was resting in a conspicuous place on cliff about 7:30 A.M. no sunshine on cliff as yet. Another marmot resting on cliff but no sun as yet. Contact of quartzite and tellite along Y m. of Y. trail. Would imagine that the eagles might pick them up. The first active gophers mounds observed at head of Slide Canyon 2 blocks above maple flat turnoff. The new mounds were along a straight course of about 40' and near their winter core which remained upon the ground. A *Sciurus* or tree squirrel called like a feigning Wilson Snipe. It called continually. The E.R.C. Kinglet, Thrush, chipmunk, chickadee, junco and pine siskin called near the squirrel nest. Collected a set of Goshawk below Bear Flats Spring in canyon at head of Slide Canyon among aspens and conifers. The nest was placed in an aspen tree 30' from ground and eight feet from the top of the aspen foliage. The first material for the base construction was a branch of aspen with the leaves still on. 80% of the ground on the floor of the gulch and on the south & west side of canyon was covered with snow. The bird had typical narrow lined breast marks and remained near by at all times flying and calling from fir to fir top. About 5 attempts were made to ward me off. The closest approach being about 18'. It called continually increasing its volume and rapidly as it made its power dives. The Kinglet, chipmunk, thrush