

of another nature but igneous comes to my mind first. This area reminds one somewhat of the land of desolation and rocks in Wayne Co and parts south. This area was at one time continuous with Chimney rock and ridge south & east of our camp but since then has eroded the intervening country & left this one as a more or less isolated spot. Left camp at 3:00 P.M. for these white outcroppings & deposits. 3:02 3 sculp. gg., one Birch Cryptophytus wislizeni. 3:04 jack rabbit. 3:25 at white igneous rocks exposed at bottom of main erosional gully in center of valley. no other lizards so far except those indicated above. 2 jack rabbits here. From here on

did not keep complete census. Arrived at volcanic material and found that the whole area is a combination of calcite crystals in a granular matrix. Numerous Neotoma nest, observed one nest in a honeycomb which was made of cedar bark with only 3/4 sq. feet of protection of dry sticks. General a Neotoma nest is large when used solely as a nest and not placed in the entrance of a hole but this one was satisfied with a very limited amount of confining walls. In traversing the valley observed that the Artemisia tridentata was the dominant plant with a remarkable lack of Chrysothamnus although it was present in a few cases. The Artemisia was on the average 2 feet high and regularly spaced. Few black sage, sarcobatus, cliffrose and juniper near outcropping. After finding no evidence of the antelope chippewake and many Neotoma signs returned to camp.

In all observed 10 Uta stansburiana, 1 Colaptytus wislizeni, and six jack rabbits. At camp just east and north of Chimney rock made an investigation of a vegetation flat and found 30% of dead Artemisia, 30% live Artemisia & 40% matweed. This area is not exactly typical of the entire valley however.

Established two research areas today. One^a permanent set of wood & steel traps around Chimney Rock and one set in Cedar valley for tonight only. The research area A-8-11-39 included seven wood and steel traps set at the base of the perpendicular cliffs of the Chimney proper and in among the boulders at base. Generally near nests or likely runways. Trap no. under large boulder more or less isolated at the north end of Chimney rock. It was so situated that one side offered an excellent shelter for their nest. Around the base were found evidence of Indian remains. Research area B-8-11-37 was establish at about sundown in Cedar valley about 2 blocks