

390811-150

out into the valley proper from the mouth of Canyon, so to speak, of Chimney Rock pass. Set out 130 traps in a linear line at 20 feet apart. The flats consist of sandy gravel soil with growth of young tumbleweed pelis and mosses. This area a few years ago was absolutely barren and wind blown sands covered the confluent alluvium. As a result small 2 foot high dunes formed where remnant of growth remained with 7.5 channels between. At present new growths of tumbleweed have invaded and have now checked the sands. The areas between the dunes are hard and cracked in appearance while many dunes are yet exposed and partially choked with masses of moving tumbleweed. The new tumbleweed are sparse and small but green. The flood plain from the south main canyon runs through and partly adjacent to the trapping area. This combination of flood plain, overgrazing, valley soil turnover, and barren area makes for a very unnatural set up for everything but possibly the *Dipodomys* whose holes were numerous on the exposed ridges of sand. The intervening areas between the dunes appeared to be inhospitable but as record shows are inhabited by the *Dipodomys* & *Peromyscus*. Baited with oatmeal as in all cases and returned to camp. It was nearly dark when through with setting of trap line in Cedar valley.

8-12-39 Station 2, Chimney rock Pass. After breakfast collected a cottontail near Camp on slopes of Chimney rock. Found it no. (1-8-12-39). 385-56-96- ♀

Inspection of research area A-8-11-39 at 7:00 A.M. which revealed only one *Neotoma* in trap no 1. Its number (2-8-12-39) with measurements is 330-148-42- ♂ 180 gr. testis 5. m. m. The other traps were effected evidently by *Peromyscus*.

Inspection of research area B-8-11-39 at sun up today. Did not correlate with trap numbers because this trap line was for a sample of the area only. Those mammals collected and measured are as follows.

- | | | | | |
|--------------------|------------------|---------------------|----|-----------------|
| <u>(3-8-12-39)</u> | <i>Dipodomys</i> | 258-149-40.5-54 gr. | ♀. | uterus normal. |
| <u>(4-8-12-39)</u> | <i>Dipodomys</i> | 244-139-38.5-45 gr. | ♀ | uterus normal. |
| <u>(5-8-12-39)</u> | <i>Dipodomys</i> | 234-129-40.5-52 gr. | ♀ | uterus normal |
| <u>(6-8-12-39)</u> | <i>Dipodomys</i> | 238-132-37-50 gr | ♀ | uterus normal. |
| <u>(7-8-12-39)</u> | <i>Dipodomys</i> | 238-136-39-42 gr. | ♂ | testis 3. m. m. |
| <u>(8-8-12-39)</u> | <i>Dipodomys</i> | 244-139-38.5-40 gr. | ♀ | uterus normal |
| <u>(9-8-12-39)</u> | <i>Dipodomys</i> | 242-137-40.5-44 gr | ♀ | uterus normal. |