

Rather interesting to note the apparent influence of the new road construction from switch back at M.T.A. home up to first open field toward falls. Nearly all nests placed above roaring water or rumbling water near. Nest no (2) had the outer surface of nest entirely decorated with a green liverwort plant leaves.

Left Stewart Creek and from Gerls home climbed up north slope of canyon into secondary valley leading up toward Cascade Falls and ending abruptly as elevated valley that has subsequently been severed from its upper limits. On way up hill found the Citellus armatus to have used some areas so extensively that well beaten trails radiated throughout the main sections of the slope. The main trail in the upper valley was powdered by the continual use of Citellus. Six Badger holes were seen and now being used by the ground dog. Stinging nettle & nigerheads formed a dense growth 4' high on valley portion proper. Aspen & maple predominant growth. Dropped down into main valley & found Symphoricarpos had blossomed and were now bearing berries seeds. Several bells and withered flowers of Symphoricarpos remained. Noted one Thomomys o. vagrans on stream edge in dense weed growth.

6/9/38

Left Provo on the 9<sup>th</sup> of June, with University Survey to continue biological work in Garfield and Wayne County, the objective to complete series of mammals and birds and to run transect from the east end of Aquarius Plateau down through Indian Gulch to Moki Tanks in the Circle Cliffs. Dr. E. Eldon Beck, headed survey with Helmer Tanner, George Cannon and myself in the crew. Traveled in capacity of mammalogist and ornithologist.

Preparators equipment taken:

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| 1. Three batts of California Cotton.                     | 19. Skinning books                                     |
| 2. Cardboard & wooden boxes.                             | 20. Alcohol and vials for ectoparasitic specimens      |
| 3. Paper towels  | 21. Preservative for specimens and embryos etc.        |
| 4. 1/2 pint of straight pins                             | 22. Gram weight, scales                                |
| 5. Scalpel   | 29. Cornmeal & skinning tray                           |
| 6. Scissors for skinning                                 | 30. Ink, pens, pencils etc.                            |
| 7. Forceps (sharp pointed)                               | 31. Evaporate cooler                                   |
| 8. Large fleshing knife.                                 | 32. Medical swab sticks for birds.                     |
| 9. Millimeter Calipers                                   | 33. Card Table   |
| 10. m. m. Tape   | 34. Oil cloth for table                                |
| 11. Large file   | 35. Camp chair and pillow                              |
| 12. Carborundum  | 36. Large skinning tent                                |
| 13. 1 1/2" nails for mounts                              | 37. Scrubbing brush & wash basin                       |
| 14. 5 quarts of ammonium hydroxide                       | 38. Rat bait (oatmeal & wheat)                         |
| 15. 1 pint of arsenical paste                            | 39. Extra red flags                                    |
| 16. Brush for paste                                      | 40. Trap markers                                       |
| 17. Needles (extras)                                     | 41. Tooth brush for furs                               |
| 18. 4 sp. of extra heavy thread no. 8.<br>1 sp of no. 40 | 42. Recording note books, 8 of.<br>5 3/4 x 3 3/4. size |