

Dec 28, 1963

631228-189

Preparation of the mammals collected this A.M.

- 631228-2 *Microtus ochrogaster* 114-32-18-9-18 gms ♀ ut normal
♂ testis 3 mm
- 631228-3 *Microtus ochrogaster*
- 631228-4 *Reithrodontomys megalotis* 128-62-17-12-29 gms ♀ ut normal
- 631228-5 *Microtus ochrogaster* 161-40-20-12-40 gms ♀ ut normal
- 631228-6 *Peromyscus maniculatus* 148-63-19-13-19 gms
- 631228-13 *Microtus ochrogaster* 163-38-20-12-43 gms ♀ ut normal
- 631228-14 *Microtus ochrogaster* ♀ ut normal
- SKU 631228-27 *Peromyscus leucopus* 167-72-22.5-14-21 gms ♂ testis 3 mm
- 631228-28 *Reithrodontomys megalotis* 148-73-17-11-11 gms ♀ ut normal
- SK. ONLY 631228-31 *Peromyscus maniculatus* 155-64-22-14-20 gms ♀ ut normal
- 631228-34 *Microtus ochrogaster* 135-31-21-11-30 gms ♂ testis 4.5 mm
- 631228-51 *Reithrodontomys megalotis* [94]-[29]-17-13-8 gms ♀ ut normal
- m. only 631228-67 *Microtus ochrogaster* 139-33-21-12-22 gms ♂ testis 7 mm
- SK. ONLY 631228-83 *Peromyscus leucopus* 177-181-22.5-15-23 gms ♀ ut normal
- " 631228-88 *Peromyscus leucopus* 183-178-22.5-15-27 gms ♂ testis 12 mm
- 631228-92 *Peromyscus leucopus* 183-179-22-15-26 gms ♂ testis 3 mm

Picked up the following ^{above} mammals picked up this A.M. Snowed last night about 1/2 inch. Although the snow might have influenced catch, the main reason is lack of mammals in the area, especially microtines. No *Sigmodon* captured. Last year in this same area caught 15 *Microtus* on the initial trapping of the area. noted 12 cottontails in trapping area, mainly in brush piles in deep ravines. Coyote has passed through area after snow of last night. ^{a towhee & 2 cardinals in area} Deer tracks in area but uncommon. There has apparently been a shift of *Microtus* from the previously wet areas to the slopes of mat grass in area of traps 1-6. This area supported fewer microtines last year than this year whereas the wet areas supported more microtines last year than this year. On return visited Mr. Robert Peterson east of here. He claims that this drought is the worst since 1937 and they lack 13 inches of being normal. The only active spring is ^{about 2/10 mi.} S of his home and this one is covered. The lake that this spring drains into is almost dry. There is another spring in same drainage as lake and between it and Wakarusa River that is flowing about a pint per second. It is located about 100 feet from river. Engineers claim this spring was in existence before lake was formed and is not related to leakage from the lake. This spring supports green grasses. At permanent spring (now dry) at 1 1/10 mi. N and 1 1/20 mi E Clinton at base of Rattlesnake Point is absolutely dry but original vegetation in place. no runway visible but some in open field beyond. more weeds in field than previous year although area burned this spring.