

Continued W. at 19.7 to S toward side of valley, 2 horned larks just beyond turn. End road at 19.7, just N of windmill. Picked up traps. All mammals recently caught and indicates activity late this morning (between probably 7:00 and 9:00 A.M. no traps sprung. no birds in area. most of traps set in runways, now abandoned. Traps set every 20ft except some in which the intervals were twice 20 in those cases where unfavorable sites were intercepted along the trapline. Returned to car and return to main valley road at 20.2, now to W. continued at angle to position at bridge over Wakarusa at 21.7, thence S to crossroads at 22.4, thence W toward Richland; at 23.4 2 meadowlarks; 23.8 8 juncos, 2 cardinals; 24.1 2 meadowlarks; 24.3 6 juncos, 2 cardinals; 24.5 redtail; 24.7 2 bluebirds; 25.0 redtail, 4 juncos; 25.2 2 redtails soaring to S, 18 juncos, now to Richland, thence W R.R. tracks at 26.6. Redtail to W; drove W and returned to Richland at 27.4, thence N to bridge at 27.8. Winter ice above bridge, clear ice below. 28.8 main E-W road now to E. 29.8 checked ridge of native Andropogon but cut or grazed too closely. 30.5 meadowlark; 30.9 2 redtails perching over cut fields; 31.5 four corners on sleep hills and now to S; redtail perching over cut field to E; 32.6 bridge over Wakarusa. and to S to 33.2 checked strip of native grass on hillside to E but only 2 runways. Returned to bridge at 33.5, thence E (time now 1:30 P.M., temp in shade 37°F) continued E. at 35.1 2 horn larks; 35.9 bridge, new ice still on river; 36.2 2 horned larks, 37.2 2 horned larks; 37.8 1 meadowlark and 1 horned lark (all along valley road). At 38.0 now E on regular Clinton road; 38.9 Wakarusa bridge, new ice still on river. 39.6 now N toward forest road; 40.7 passing E by bridge; 41.0 shrike in tree; 4:20 bridge, 43.7 N end of proposed Clinton Dam.

Preparation of mammals capture this morning on trapline

640222-15	<i>Microtus ochrogaster</i>	135-29-20.5-11-36 gms ♀	2x1 emb 17mm
640222-28	"	160-38-19-11-42 gms. ♂	testis 11mm
640222-29	"	142-32-19-11-37 gms. ♂	testis 11mm
<u>640222-47</u>	<i>Synaptomys cooperi</i>	125-19-20-10-41 gms. ♀	ut. normal
640222-58	<i>Microtus ochrogaster</i>	132-31-20-10-31 gms. ♂	testis 10mm
640222-69	"	144-35-20-9-29 gms ♀	ut normal
SKU <u>640222-87</u>	<i>Synaptomys cooperi</i>	123-20-19-10-34 gms ♂	testis 5mm

Specimen 640222-47 had a fecal pellet 1/2 evacuated. It was light straw colored, not green as is usual with *Synaptomys*. The feet of some *Microtus* (no 28) were reddish as if partly frozen.