

to middle of sec 25. no good microtus community except two small patches which supported 1 set runways each. no birds or rabbits along route but one set of coyote tracks; no springs. marsh area (see map) of extensive *Microtus ochrogaster*. This is the same marsh visited Feb 23, 1963 (see notes of that date). This marsh was burned and unless the microtus lived underground, were exterminated from the area at that time. now the microtus are back in good numbers throughout marsh. I was surprised to see such good sedge and grass cover. The microtus either repopulated from relict areas or from adjacent areas beyond limits of marsh and would indicate immigration. will trap this area later. Continued E to point (1:32⁴⁵ P.M.); 3 chickadees and 2 titmice; 1:48 2 cardinals and 8 juncos; 1:50 mouth canyon. no water in creek but aquatic plants, completely trampled by cattle. cottontail in creek. Area heavily grazed, no nice habitats. 1:52 2 chickadees; 1:57 mouth second canyon; some trails in patch sedges. Extensive weed patch NE of mouth of canyon of last year now plowed. Continued S up canyon on W side; half way up canyon a fence (E-W) has kept out excessive grazing. This W slope is excellent for microtus, especially where grasses are high and untrampled.

The *Andropogon* is over entire area but mainly (high) in 3 levels as indicated on map. This area has, at one time, been grazed extensively as indicated by closely cropped grasses between high stands of grasses. A newly formed pond in canyon does not hold water at this time. made traverse to N and at point 2:18 noted 3 crows to S. Good *Andropogon* on both sides of this ridge, shorter on top but good cover lower on slopes. Snow on all slopes in protected spots (from Sat. snow). Continuing S to about 1/2 way up canyon; 2:37 flicker, 38 meadowlarks raccoon tracks in mud. Traversed west slope; patches of yellow slough grass (high) with good trails, could be *Synaptomys* (indicated in red spots on map). Lower slopes more heavily grazed. Continued NW to point, thence west to fence line; beyond grasses cut as hay. One area (see map) of uncut *Andropogon* between cut field supported microtus trails. Continued to last point arriving at 3:18 Cut slopes with good mat and stabilize soils. This may be a good way to keep deciduous elements from slopes, however, proper grazing could accomplish this ^{also} as equally ~~a~~ and, in addition allow secondary habitats of small bushes and rank growth. Just beyond points flushed 12 bobwhite at edge of cut field. at base of field

