

670403-38

meadowlark calling in field to E. 3:50 now going straight E on dike apron. Meadowlark and cottontail. 2 cardinals ♂ & ♀ in tree. 4:02 windmill. Cricket frogs calling mainly from ponds with at least 10x10 open water. meadowlark to S. 4:10 road. 4:18 redtail left field, bars in tail. Redwing blackbird nests (last year) in small trees (3 feet high) in field. No nests in larger trees along stream. It may be that they have moved from large tree nesting sites to low tree sites in meadow. 4:25 water gate. 3 ^{adult} *Peromyscus* under one board. Also one dead *Scymnodon*, partly eaten. One *Thomomys*. Left area of boards at 4:35. 4:37 song sparrow, 3 meadowlarks singing on wing. 4:42 ♀ cardinal, 2 meadowlarks to E. 4:43 1 male cardinal singing. 4 ♂ redwings feeding together in field and flew to tree. They were not on territories. 4:45 utility power line. One redwing on territory 100' to S. From utility pole line made census of microtine runways to W along sets of pole lines.

Pole I 3 runways, 2 meadowlarks (some trees in field 25' high)

Pole II 6 runways, 5 meadowlarks

Pole III 12 runways, 3 meadowlarks. This pole is 40' W of the center of the road. The 12 runways means that they occur between pole II and pole IV

Pole IV 11 runways, 2 meadowlarks

Pole V 8 runways, 3 meadowlarks

Pole VI 6 runways, 5 meadowlarks. There is more grass beyond pole 6 than elsewhere.

Along this transect would judge that the runways represent 60% *Microtus ochrogaster* & 40% *Scymnodon*. The meadowlarks were calling in a very soft voice. One called loud like a western bird. Apparently the fields were not used for grazing this winter.

1 2/10 mi N and 1 1/2 mi. E Sandpits (P.O.), Douglas Co., Kansas

April 5, 1967

Observed the following at Sandpits Lake. Followed same route as April 2, 1967. Left 3:00 P.M. First lake S of Lotus and small lake just SW of this lake: 2 song sparrows, 2 3 redwings, 2 robins. Refuge Lake: 1 ♂ shoveller, 3 turtles