

2 meadowlarks.

Plowed Field Swale: needs mourning dove, 2 grackles flew by.

Pond Swale: robin, cardinal.

E. Forest Edge: 3 grackles, yellow-shafted flicker, crammed nest of loggerhead shrike on fence line with 4 young, one measured 110 mm total length, in rose-bush 3 1/2 feet from ground. The young reacted with open mouth when hand neared nest and repeatedly so as if they did not recognize the difference between the adult shrike and my hand. A rose bush slump 100' beyond had two old nest of previous years, one superimposed six inches above the lower one.

Brush Way: Indigo bunting, bluejay and goldfinch.

North Forest: 2 titmice, bluejay, cardinal, young great horned owl (size adult but ears 1/2 size of adult). Water in creek 1 gal. per 2 sec. This year one can walk up and down creek on solid base of gravel and sand, previous years has been felled with mud for most of the way, Raccoon tracks in creek also skunk.

nw Forest: Titmouse, young great horned owl, flew 200' in increments of 50' stops, bluejay.

main Forest: vireo, sp?, robin, titmouse.

Kasoad Creek: 2 grackles, cardinal, hackberry 9' 10" cir., grackle, titmouse, robin. At the point N of silo where creek turns W observed an unusual behaviorism of the pine vole, Microtus pinetorum. While momentarily pausing on a high erosional bank (approx. 8 feet high) at a bend of the creek, observed a pine vole, Microtus pinetorum at the edge of the water. The creek here is bordered by 3 foot high banks except at the turn where this lower erosional level gives way to the higher level on the east side. The creek flows through deciduous forests with considerable ground cover which at this point grows to the water edge. A dead cottonwood tree lies broken across the erosional terraces down to the edge of the water. A short riffle flows into a deeper pool at the bend. Creek flows 1 gal per 3 sec. The vole utilized 8 ^{linear} feet of the creek bed for five minutes. The most unusual action was circular movement (counterclockwise) whether swimming in deep water or ^{on} the riffles or on the sandbar or along the edge of the creek but most pronounced in deep water. To gain a particular spot it would direct itself by a series of circles tending toward the desired destination. Movement along the edge of the creek and slope of bank was under better directional control. It is an excellent swimmer and the ~~wool~~ fur is water repellent.