

black and white swallowtail butterfly. These seem to vary in numbers from trip to trip. No large yellow & black swallowtails, red-headed woodpecker. 2:30 open field and now to east side at base of hill. Grad Co. rd leaving field to SE. Cool enough now to need sweatshirt and wind breaker coat. Deer track along this E side of field, one measured .78 mm and one .63 mm. There are 2 or 3 dozen rolls of grass on E side of field at base of forests, each has from 5-12 holes at base or on side and are being used by small mammals, sp? probably *Microtus*, *Sigmodon*. Will trap later. at NE end field is a *Neotoma* nest .5' high. 2:45 major drainage with cement crossover. Lake level water to 6' of the platform. An elm tree has fallen over cement and beaver have eaten bark off limbs in water. Water entering 1 gal per 2 sec. Main road 2:55, <sup>adult</sup> damming needle insect dead on side of road, turkey vulture, fox squirrel. Arrived car 3:00 P.M. Barn swallow flew across road. Measurement of route hiked today 5 5/10 miles by upper bench (just below top) and 1 6/10 mi return plus 1/10 to starting point at beginning, or 7 2/10 miles round trip.

402 Yorkshire Dr., Lawrence, Kansas

April 30, 1979

4 male goldfinch and 1 ♀ pine siskin fed at feeder (thistle seeds) at one time. Siskin dominant. Males do not seem to be any more aggressive toward each other than during the winter period. A ♀ goldfinch was definitely more aggressive toward other males than in winter.

S Side Rock Creek Bay, Clinton Reservoir, Douglas Co., Kansas

May 1, 1979

Took census of birds and mammals on first terrace below top (see map April 27, 1979 for itinerary). This area has higher elevation than other areas and there are, in some places, higher terraces but this one examined today is the same level as all the previous ones examined this season. Left car at 8:19 A.M., Temp. 59°, no wind, sky cloudless. (see map for position of start). Redheaded woodpecker, followed creek bed to E, 1 inch minnows in water which is clear and running 6 gals per sec. myrtle warbler feeding in tops of trees over creek. The white throat