

probably from a pond beyond the river. 3:20 Collect a song sparrow 620318-4 from side of creek. I had see only 2 others.

3:20 2 wood ducks, 1 fox squirrel. 3:45 Arrived Richland bridge about $1\frac{1}{2}$ mi. N of ~~town~~ town. 7 Hours and 15 minutes travel time at approx. 2 miles per hour. At bridge collected 1 slate-colored junco 620318-5 and 1 eastern phoebe 620318-6. The phoebe was a male and its testis measured:  l. $4\frac{1}{2} \times 2$ I estimated that we made 1 portage of 30 feet,  r. $3 \times \frac{1}{2}$ 3 rapids to shallow to navigate but canoe lowered empty with rope and about 60 which we row with occasional striking of rocks. Topography varied. At upper limits a platform of limestone along edge of creek, a bank of solid shale the rocks oriented in one direction in creek bed. The stretch of creek covered today has small black willows and other small trees growing down to water edge. Grass also lines slopes. There is less erosion of banks than lower limits of Wakarusa.

The following summary of birds observed:

blue jays - singles, doubles usually and 2 groups of three. 9 noted.

Crow. 2 sections of the river had small groups of crows which were feeding on material in the creek bottoms. On the trip last week we saw & heard many crow but did not see them in the creek proper. They were not organized to fight g. horned owls as was the case last week.

eastern blue bird. Only 14 seen and heard. one σ^7 expressed curiosity at 15 feet from canoe at one of the rapids. They were frequently heard singing.

Cardinal. one of the most common birds, general singles or pairs but a few in mixed flocks of other birds. Many singing and in favorable stretches about 1 per block.

song sparrow. 4. definitely one of the few birds that are found along edge of creek among drift debris & brush. Some singing.

hermit thrush?. One bird which had a reddish tail among drift wood pile (could have been a fox sparrow)

wren - 3 among debris of drift wood along side of creek. sp.?

mourning dove singles to group of 8 generally distributed. 15 total

Red-tailed hawk. 1 pair calling, 2 singles.

green-winged teal. σ^7 & q

wood duck 1 single σ^7 , 5 per pairs; 1 group of 4

Am. Coot. 1

snow geese. one flock of 50

Am. Robin 18 in small groups.