

certain sections of the dead elm tree, other areas ^(40%) partly affected, 21 grackles, cardinal, bunting, young of grackles almost same size as adults and are closely following adults and soliciting food. Another good example of bark removal by woodpeckers from dead elm. Redwing, duckcussel, barn swallow, 8 grackles, 7:30 end of census at N end of Iowa Street where R.R. siding crosses road. This trip can be made in 1 1/2 hours. In summary would say that the wind had a definite influence on numbers of birds observed. Grasshoppers show slight increase in numbers, but no evidence of a decisive increase in numbers.

[← see opposite page for July 6]

Wakarusa River - Kaw River, Douglas Co., Kansas

July 8, 1970

Made canoe trip, as part of a Field Techniques course, from Dingman's Crossing to mouth Captain Creek on the Kaw River. Mrs Ruth Bartels and Mrs Janet Mertz accompanied me. Will keep notes on selective observations. Left 12:45 P.M. Sky clear, no wind, temp 97° F air. Bird calls recognized: bobwhite, b.c. chickadee, turkey vulture, myrtle warbler, red-eyed vireo, red-bellied woodpecker, cardinal, pewee, yellow-bellied cuckoo, indigo bunting. 1:20 from riffle picked up 4 species of Unionids. Other birds observed were duckcussel, bluejay, robin, meadowlark, great horned owl and great crested flycatcher. 1:40 outcrop Tonganovic sandstone, one stratum with concretions. Nest of eastern phoebe with 4 eggs 1/2 incubated. 1:50 unusual aggregate of millipeds. Saw both the black and yellow-bellied cuckoo. Holes in bank at water edge created by carp. Many damselflies depositing eggs on log. 2 great crested flycatchers fought over water. Carolina wren called. Fox squirrel. 2:00 water temp 3" below surface 84° F. Killdeer, barn swallows. Phoebe nest on cliff with 3 eggs more than 1/2 incubated. Raccoon tracks in mud at base of cliff. Left at 2:20 Honey bee nest in locust tree overhanging river. Great horned owl and scarlet tanager. Redtailed hawk. 2:30 Cow bird at water level. 2:30 highway bridge 10. Eng sparrow have nests here. Approx 20 long-nosed gar at 1/10 mile upstream from R.R. bridge. 2:45 20 gars on surface in one restricted area. Muskrat at RR bridge. 2:55 temp water in shade 84° F. yellow-bellied cuckoo. 5 large carp sucking on surface ~~skin~~ scum. Logjam of 80' at Eudora