

Shortly after sun-up made 1/2 hour hike in general area of open fields, forests and creek bottom and observed:

yellow-shafted flicker 1

downy woodpecker 1-3-4

cardinal 2-1-1-1

blue jay 2-1-1

meadowlark (in tree 6)

robin 6

red-bellied woodpecker (placing acorn in bark)

slate-colored juncos 1-1-1

fox squirrel (nest)

grackles 8-1

collared tail 1 (diggings 1 per sq meters in bordering fields)

no microtine runways.

crow 1

gray squirrel 1.

Trees in area: white oak, *Quercus alba*; Chinkapin oak, *Quercus muehlenbergii*; northern red oak, *Quercus rubra*; shingle oak, *Quercus imbricaria*; maple, elm, walnut, pin oak, *Quercus palustris*.

This state park should acquire bottomlands to edge of Missouri River for more adequate biological area. Cliffs not prominent. At Arrow Rock town are many early (in 1700) homes and unusually old for this area and period of time. A ferry at this point over the Missouri was responsible for the early development of this area. met 2 people who were progeny of the Bingham family (artist and old home & studio E. end town) that originally settled the Arrow Rock area. <sup>his mother's father was 4 years old when they came to Arrow Rock.</sup> One was owner of the gas station in the W end of town and the other was living in one of the early homes. Arrow Rock State Park is definitely one of the more interesting historical sites in Missouri. Left at 8:30 A.M. Sky clear, blue, no wind. Country like Lawrence (undulating topography) and Arrow Rock bluffs first ones as one travels east. Bluffs are covered with forests, mainly oaks. Land used more for grazing than farming. Sparrow hawk at <sup>Lamine River</sup> Missouri bridge on Highway 70-40. Old bridge still visible. Sparrow hawk junction 5 and 40. Sparrow hawk <sup>1 mi.</sup> east junction 5 and 40. Red-tail hawk 4 mi. E junction 5 and 40. Sparrow hawk 5 mi. E junction 5 and 40. These sparrow hawks are on a broad valley of the Missouri River. Hillside in predominantly oak and bluffs of rock are exposed along the edge of the valley.