

moved slightly posteriorly and downwards to a curved but nearly perpendicular repose where it made cloacal contact with the female. At the moment the male moved back, the female stopped vibrating her wings, turned her head around and faced the head of the male, the bills almost touching. The position of cloacal contact and head facing was maintained without movement for approx. 8 seconds which is longer than in other kinds of birds. The male then dropped to side of female on same limb and in 2 seconds flew to a tree 40' away. The female remained in same position on limb, ruffled her feathers, defecated and then followed the male.

The following birds reacted to the dog by flying down to within a foot or two overhead: warbling vireo, blue jay, great crested flycatcher. Two green heron flew over area and a nighthawk called overhead.

Lone Star Lake, Douglas Co., Kansas

June 14, 1970

James Robert Bee and I sonned around lake. Noted black duck, wood duck, 7 great blue heron, 2 green heron <sup>spotted sandpiper.</sup> as well as the usual shoreward birds.

Kaw Valley, NW Lawrence, Douglas Co., Kansas

June 19, 1970

made census of birds and mammals along Santa Fe tracks from Lawrence City waterworks N to creek, thence N to turnpike, thence to side service tracks at Chemical Plant, thence lateral to intersection with end of Iowa street.

Observed the following birds between these markers:

Date at waterworks (Left 5:30 P.M.)

Eng. sparrow 5	starling 1
chimney swift 2-1-2-1	green heron 1
robin 1	Baltimore oriole 1
blue jay 2-1	yellow-billed Cuckoo 1-1
red-bellied woodpecker 1	cowbird 5
red-headed woodpecker 1	brown thrasher 1 (this bird has a warning call like the effect of kissing the back of one's hand)
warbling vireo 1-1	chickadee, b.c. 1-1
grackle 1-1-2-3-2-4-5	yellow-shafted flicker 1
indigo bunting 1-1-1-1-1	rose-breasted grosbeak 1.
cardinal 1	
titmouse 1	