

While passing down a street of the suburbs of Albion, I noticed an English sparrow feeding in the dusty road. As I came within forty feet of it, a grackle, seemingly without provocation, swooped down from a nearby tree and fell upon this unsuspecting bird. With a succession of rapid blows the grackle killed the sparrow outright. Before I could prevent it, a friend who was with me ran out to drive off the grackle. The grackle was a male. On examining the bill and feathers of the dead sparrow, I found that this bird was not young, in fact, I am certain that it was mature. On plucking the sparrow I found that the neck and base of the skull were badly bruised. The injury seemed to indicate that it had been killed by sheer impact of blows.

On the other occasion my attention was caught by a great clamoring of English sparrows. A grackle in their midst was being pursued, and finally floundered into some nearby trees. A mature, dead sparrow was left behind on the road.

On both occasions, unfortunately, I was prevented from witnessing what the grackle would have done with its victim if left undisturbed. This, of course, deprives one of determining the significance of the action in question. My friends at Albion told me of witnessing two other instances of similar action by "blackbirds."

RESTRICTED BREEDING COMMUNITIES OF THE HENSLOW'S SPARROW.

From May 25 to June 2, 1915, at Barbee Lake, Kosciusko County, Indiana, and from June 2 to June 11, 1916, at Albion, Michigan, I had an opportunity of studying the Henslow's sparrow.

On both occasions the sparrows occurred in low, wet meadows. The interesting point to me is that although there were many spots identically the same as those frequented by the sparrows, the birds occurred at one spot only in both of the regions studied.

At Barbee Lake, Indiana, the birds were found only over an area of about one-quarter of a mile square, at the south end of the Lake. Here there were about twenty birds, and the conditions of the cloaca and the egg stages in the oviduct of the female specimens collected showed that they were on their breeding ground. The females were always in greater evidence than the males, and most of the birds collected were of this sex.

At Albion, Michigan, the birds were found only over an area of about one-half a mile square. I explored extensively the country about Albion to within a radius of seven miles of the town, and although this region abounded with suitable localities for the breeding of Henslow's sparrow, I found them only at one spot east of the town. I estimated that here there must have been from forty to sixty birds.

The question arises, do these observations tend to show that the species group during the breeding period?