

Inasmuch as the field guides show the female Rufous Hummingbird plumage as almost identical with that of the female Broad-tailed (*Selasphorus platycercus*) and Allen's (*Selasphorus sasin*) hummingbirds, there is a remote possibility that our bird was one of the latter two species. However, while we were able to find a number of records of the Rufous along the Gulf coast and one specimen record each for South Carolina and Maryland, we found only one Broad-tailed record (Louisiana) and no Allen's record in the east or southeast. We have little or no doubt that our bird was a Rufous and, as such, the first documented sight record for North Carolina. We do feel that there is a good possibility that one or more of the previous winter records of Ruby-throated Hummingbirds in North and South Carolina could well have been Rufous Hummingbirds. Incidentally, the South Carolina specimen remained incorrectly labeled as a Ruby-throated for almost 20 years (*South Carolina Bird Life*, Sprunt and Chamberlain, 1949, p. 324).

[Dept. Ed.—With the publication of this record the Rufous Hummingbird can be placed on the hypothetical list for North Carolina.]

Brown-headed Cowbird Behavior

GAIL T. WHITEHURST
1505 Brooks Avenue
Raleigh, N.C. 27607

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Every summer, for several years, Rufous-sided Towhees (*Pipilo erythrophthalmus*) have raised Brown-headed Cowbirds (*Molothrus ator*) here. I have watched them with interest and often wondered where they go when they are on their own. Last winter, I had the opportunity to read what is known about cowbirds in Bent's *Life Histories of N. A. Birds* (U.S. Natl. Mus. Bull. 211, 1958, p. 421-450). That young cowbirds find their way back to flocks of their own kind is well known. The question remains how is this done?

Last summer we had four young cowbirds raised by towhees. Each time a young bird was on its own, it remained here a few days and then disappeared. Each time, a day or so before the immature bird departed, I heard and/or saw an adult cowbird in the area (sometimes a male; sometimes a female; once, both). The idea came to me that perhaps the young birds followed the adults away. However, it was merely conjecture on my part for I never saw any contact between adult and immature cowbirds.

I finally discovered the break-through for which I had been looking right in my own back yard. My observation as I wrote it down is as follows:

August 12, 1975, 10:45 a.m.

Heard adult female cowbird giving loud calls, a sort of "chuck" and located same on low branch of pine tree. She was soon joined by an immature cowbird which gave with a familiar "chip" and other notes often heard when the young were begging for food. I had noted a fully fledged immature cowbird being fed by a male towhee on August 7. It appeared to be able to pick up its own food, but as young birds often do, it begged for food from the "parent" towhee.

I watched the two cowbirds, adult and immature, for some few minutes. The female kept calling and moving higher in the trees. The juvenile followed and they flew away together over the tree tops and out of sight.

At 12:05 p.m. on the same date, the female cowbird (recognized both times by a loose feather sticking up from her shoulder) showed up again briefly, without the young bird. She did not linger, just seemed to be looking for food.

This observation indicates that young cowbirds may respond to adults of their species by sight or sounds or both and may thus join flocks of their own species as they become independent of foster parents.