

NOTES ON COURTSHIP OF JUNCOS.—These observations were all made in South Ravine, as it is locally called, near the Floyd Monument. On the eighth day of March the Junco males were seen driving the females. They were driving in and out among the bushes in a deep gully, the males uttering the characteristic Junco "tsip" repeatedly. On the nineteenth of March the males were again seen driving the females, but did not confine themselves to the bushes. The males uttered the characteristic Junco call repeatedly, and on this date I heard for the first time the love song of the Junco. It consisted of a low, simple song and a trill.

On March 26, at 10:30 a. m., in company with V. J. Hayes, I watched a pair of Juncos courting. The birds had been flying about abundantly all morning, and one pair was finally located in a small scrub oak. When they first attracted attention the male was perched on a small limb above and to the left of the female. He was bobbing and bowing his head to her; his wings were drooping and fluttered slightly at times. He uttered almost continuously a faint twittering song. The female was also bobbing and bowing to him and jumped from the branch she was perched on to another one to her left and then back again; this was repeated three times. The male kept up his bobbing and bowing, but turned on his perch so that he faced her all the time. After the third repetition of this the female hopped onto the same twig with the male. They stood facing each other, bills nearly touching, and bowed solemnly, both bobbing their heads at the same time. The male's wings were still drooping. Then the female hopped back to her original perch and the bowing and hopping from one perch to another continued for a short time. The female for some unknown reason flew away, and after about thirty second the male followed her. The time consumed in the whole performance was about two minutes.

*Sioux City, Iowa, April 6, 1911.*

IRA GABRIELSON.

HORNED GREBE AT NEWARK, NEW JERSEY.—On April 23, 1911, a pair of Horned Grebes (*Colymbus auritus*) appeared on the lakes in Branch Brook Park, Newark, N. J. One of the birds was in the summer phase and the yellow feathers which form the horned crests were well developed and conspicuous. The other still retained much of its winter plumage and the crests had not appeared at all. Both birds were very tame, as they approached within seventy feet of the shore where a number of persons were congregated and watching the birds performing their expert dives and for their reappearances after these numerous submergings. There were a number of canoes about them and when these ap-