

of birds come to them that we never saw before the trees were there," writes one settler. Others mention the same point and two farmers note that the trees are a protection to poultry against hawks.—W. L. M.

Another Insect Birds Should not Eat.—Proponents of theoretical biology probably never will cease to put on record *suppositions* as to remarkable protective adaptations, but with this premise it should follow that those in possession of pertinent *facts* ought to be at least equally persistent in exploiting them. The instance in mind at the present time concerns the red-humped apple caterpillar (*Schizura concinna*), a black and yellow striped larva with red head and hump, which is highly gregarious, and can spray a liquid containing formic acid—in a word, a form that has about all the attributes of an "especially protected" species. Concerning it the statement has recently been made that "it is not likely that a sparrow or any other small predaceous enemy would repeat an attack on the caterpillar after receiving a quantity of highly irritating secretion in its eyes or mouth."¹ Sparrows usually are not especially important enemies of large caterpillars, but if a protective function of the red-hump's secretion against birds in general is implied by the remark quoted, we must say it is not supported by the facts. The Robin, Olive-backed Thrush, both species of Cuckoos, Ruffed Grouse, and Broad-winged Hawk are known to feed on this caterpillar. As to risking a second experience with the red-hump's spray it must be said that no fewer than 11 of these larvae have been found in a single stomach of the Broad-winged Hawk, 12 in that of a Black-billed, and 25 in that of a Yellow-billed Cuckoo. As the red-hump is a noteworthy pest of apple-trees all of the birds mentioned deserve credit in an economic sense also for feeding on the insect.—W. L. M.

The Ornithological Journals.

Bird-Lore. XXV, No. 2. March–April, 1923.

Two Nest-Studies of McCown's Longspur. By A. D. DuBois—Illustrated by admirable photographs.

The Nest on the Rain-Pipe. By P. C. Samson.—Detailed study of a Robin's nest.

Some Robins and their Nests. By Edw. R. Warren.

Love of Home is Characteristic of Robins. By E. H. Eves.

Ducky, an Orphan Robin. By Jessie Ferguson.

A Story of an Albino Robin. By F. M. Tuttle.

Cardinal Friendships.—Two accounts of attachment of captive Cardinals for their owners.

The migration table treats of the Orchard Oriole with a plate by Fuertes.

April in the Marshes, by A. A. Allen, in the School Department, is an admirable article with beautiful illustrations.

¹ Detwiler, J. D., Can. Ent. 54, No. 8, Aug., 1922, p. 187.