gillettei this band is narrower, nearer apices of clavi and slopes obliquely backward, not forward.

One ♀ specimen, Digby Co., N.S., Aug. 18, 1918.

Typhlocyba querci var. **grata,** new variety.

Scutellum dusky; elytra with a large dusky saddle-spot, occupying most of the clavi, and a portion of each adjoining corium; no posterior band or clouding.

One ♀ specimen, Digby Co., N.S., Aug. 14, 1918.

Typhlocyba querci var. **scripta,** new variety.

Scutellum chiefly dusky; elytra with dusky bands at middle and on cross-veins, as in var. *gillettei*, apical cells smoky, and with a longitudinal dusky stripe on clavus and overlying claval suture connected with band over cross-veins. These markings leave the margin anteriorly and the tip posteriorly, of the clavus, of the ground colour.

One ♀ specimen, Digby Co., N.S., Sept. 5, 1918.

Typhlocyba rosæ Linnæus.—Digby Co., N.S., Aug. 3, 5, 8, 13, 15, 1918; Truro, N.S., July 24, 1918; Royal Oak, B.C., Sept. 29, 1917.

Erythroneura obliqua Say.—Acaciaville, N.S., May 16, 17, 1917.

DESCRIPTIONS OF FOUR CATOCALA LARVÆ.

BY R. R. ROWLEY, LOUISIANA, MO.

Among a number of mature Catocala larvæ, taken under the bark of hickory trees in the early part of last summer, a dozen or more proved of unusual interest, one a *lachrymosa*, previously undescribed, another a typical *obscura*, a third and fourth showing the slight differences between the closely related species *retecta* and *flebilis*, while still another gave *judith*, but the description was misplaced.

Other larvæ were of *angusi* and its variety *lucetta*, hardly distinguishable from *habilis*. Of six *angusi* moths, five were var. *lucetta*, only one being a typical *angusi;* a like ratio existing in the woods here between the variety and present form. The species, however, is usually rare.

Catocala flebilis.—Mature larva 2⅛ inches long, leaden gray with lighter tubercles. The mid-dorsal band lighter than the general body colour, constricted at the segment edges, forming a series of spots of chain-link appearance. The spots on the first, second and fifth abdominal segments bordered by a black encircling line (on three sides). A dark cross-band covers the back half of the fifth abdominal segment. A black-cross line behind the eighth abdominal segment. The sublateral line or narrow band is dark or quite black above the spiracles. True and pro-legs general body colour. The lateral line of setæ composed of so few and short bristles as to be hardly noticeable. Head gray, round, with short lateral mouth dash of black.

Ventral colour soiled white with faint red blotches about the row of mid-ventral black spots. Larva taken under bark of *Carya alba* (shag-bark hickory). Cocooned June 15th, and gave imago July 20th.

Catocala retecta.—Mature larva 2¼ inches long, dark leaden brown. A mid-dorsal longitudinal "chain link" like narrow band, a little lighter than the general body colour. Still narrower bands of darker hue bound the mid-dorsal band and, beginning with the second abdominal segment, these bounding bands