

that of the larva of *Allograpta obliqua* as shown by Metcalf (1)*, except that the anterior interspiracular spine beside the circular plate is much less prominent in *A. fracta* than in *A. obliqua*.

The larva pupates commonly on the plant surface, generally close by the place where it last fed. On blades of barley and corn the pupæ were almost always oriented parallel to the long axis of the blade.

The puparium is green; the two whitish larval stripes apparent for a day or two; as the true pupa inside takes on the black and yellow colour of the adult fly the colour of the puparium changes until all the green vanishes. The anterior face is bulbous, the outline of the dorsum convex, curving downward to the base of the posterior respiratory tubes, not concave anterad of the tubes, the venter is gently concave, sides narrowing posterad. Armature consists in the pale inconspicuous bristles of the larval integument. Length of puparium 5 to 6.5 mm., maximum breadth 2 to 2.3 mm., height 1.7 to 2.1 mm. (7 individuals).

Adult Female.

Oval. Vertex shining black, continued as a broad stripe to base of antennæ, thence as a narrow stripe to, or almost to, mouth cavity, face narrow, pale yellow or white, the light colour coming up on the sides almost to the ocelli, cheeks pale yellow, in front below the eyes a small brownish spot; pile of face short, pale yellow; pile of frons chiefly light-coloured, but some examples have considerable black pile in the middle; profile of face below antennæ gently concave to the base of tubercle; occipital pile silvery, above fulvous. Antennæ reddish yellow; third segment blackish or grayish along the upper edge, oval in shape, but little longer than wide in middle; arista brown, lighter basally.

Thorax shining metallic green, with short fulvous pile; a pale, yellow lateral stripe from humerus to suture, three yellow spots on the pleuræ; scutellum yellow, the extreme anterior corners black, pile light yellow except for a few black hairs on the disc. Wings hyaline, stigma brownish yellow. Legs yellow, posterior femora with a brown ring near apex, posterior tibiæ with brown rings at basal third and before the apex, hind tarsi reddish brown, last three joints brown; pile light-coloured.

Abdomen narrow, oval; first segment metallic black, anterior and lateral margins pale yellow, sometimes almost half the dorsal surface of the segment is yellow; remaining segments with shining black cross-bands, one on anterior, one on posterior margin, the central black part opaque; second segment with a slightly arched yellow cross-band, reaching the sides for its full width, about one-third as wide as the segment, constricted and sometimes interrupted in the centre, in some individuals continued up the sides to the anterior angles of the segment; third segment with a similar cross-band, wider and more conspicuously arched, not constricted, between one-third and one-half as wide as the segment; fourth and fifth segments with two median longitudinal, narrow, yellow stripes, and with two obliquely placed yellow spots, the latter on the fourth segment rarely coming in contact with the central stripes and reaching the lateral margins in their full width about apical fourth of the segment. Pile of abdomen short, except on the sides of the two basal segments; colour light yellow, on the disc black and yellow mixed.

*Figures in parenthesis refer to Literature Cited.