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A NEW PIPUNCULID PARASITIC ON LEAF-HOPPERS IN INDIA.

By E. BRUNETTI.

Pipunculus annulifemur, sp. n. (Pl. xv, fig. 6).

Head.—Eyes dark red; vertical triangle black, frons dull black, lower part with a somewhat quadrate greyish dust spot; face dull black, lower half appearing grey when viewed from above. Antennae dull yellowish, third joint distinctly pointed, moderately long and almost sub-triangular. Occiput moderately produced behind eye margins, black, with a little grey dust. *Thorax* moderately shining black, middle of dorsum with yellowish brown dust and a little pale pubescence; pleurae blackish, with some greyish dust. *Abdomen* shining black; a very little yellowish pubescence towards sides: genitalia with a yellowish tinge. *Legs* mainly yellow; coxae black, also a broad median band on femora (possibly incomplete in some individuals); tarsi darker towards tips; all femora with a row of very small bristles on about apical half of underside. *Wings* clear; stigma very pale yellow; anterior cross-vein at about two-fifths of the discal cell; halteres yellowish. *Length*, 2.5–3.5 mm.

MYSORE STATE: Bangalore, about 3,000 ft. (*T. V. Subramaniam*).

Described from two males in the British Museum.

EXPLANATION OF PLATE XV.

Parasites of Mango Leaf-hoppers (*Idiocerus* spp.).

- Fig. 1. *Pyrilloxenos compactus*, Pierce, ♂.
- „ 2. „ „ „ ♀, ventral view.
- „ 3. „ „ „ ♀, dorsal view.
- „ 4. „ „ „ ♀, showing the ovisac full of triungulins.
- „ 5. Different stages of the larva of *P. compactus*.
- „ 6. *Pipunculus annulifemur*, Brunetti, sp. n., ♀.
- „ 7. Full-grown larva of Dryinid parasite.
- „ 8. *Epipyrops fuliginosa*, Tams, sp. n., ♂.

Parasites of the Mango Leaf-hoppers.

EXPLANATION OF PLATE XVI.

Parasites of Mango Leaf-hoppers (*Idiocerus* spp.).

- Fig. 1. Lower surface of mango leaf, showing dead hoppers after the *Pipunculus* larvae have emerged from them.
- „ 2. Full-grown larva of *Pipunculus annulifemur*.
- „ 3. Mango leaf with cocoons of *Epipyrops fuliginosa*.
- „ 4. Adult hopper with larva of *Epipyrops* attached to its side.
- „ 5. Abdomen of a hopper, showing the Stylopid parasite *in situ* with the triungulins inside it. (The specimen was boiled in caustic potash.)
- „ 6. Abdomen of a hopper with the male puparia of the Stylopid projecting from it.
- „ 7. Hopper nymphs, showing larvae of the Dryinid parasites attached to the thorax.

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Parasites of the Mango Leaf-hoppers.