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BRITISH ENTOMOLOGY;

BEING

ILLUSTRATIONS AND DESCRIPTIONS

OF

THE GENERA OF INSECTS

FOUND IN

GREAT BRITAIN AND IRELAND:

CONTAINING

COLOURED FIGURES FROM NATURE

OF THE MOST RARE AND BEAUTIFUL SPECIES,

AND IN MANY INSTANCES

OF THE PLANTS UPON WHICH THEY ARE FOUND.

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ORTHOPTERA. STREPSIPTERA.
HYMENOPTERA, PART I.

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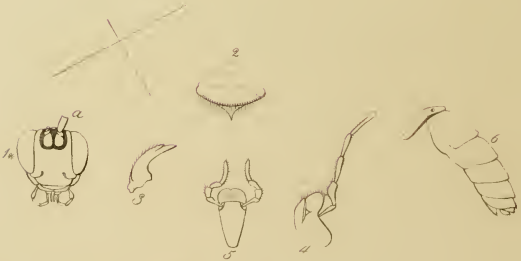
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ICHNEUMON AMATORIUS.

ORDER Hymenoptera.

FAM. Ichneumonidæ.

Type of the Genus, Ichneumon Comitator Linn.

ICHNEUMON *Linn., Grav., Curt., &c.*

Antennæ inserted in the middle of the face, approximating, not quite so long as the wings in the male, straight, tapering to the base and apex, basal joint the stoutest, oval, 2nd semiorbicular, 3rd the longest (1 *a*), the remainder short, with a slight serrated appearance internally: often shorter, stouter, and curved in the female.

Labrum transverse, semioval, the margin ciliated, with a triangular membranous lobe in the centre (2).

Mandibles small, curved and bifid at the apex, pubescent externally (3).

Maxillæ small, with an internal lobe and an external one larger and orbicular, both ciliated. *Palpi* long, slender, pubescent and 5-jointed, basal joint long and slender, 2nd longer, stout and cleaver-shaped, 3rd as long, 4th scarcely so long, 5th the longest and slenderest (4).

Mentum obovate-truncate. *Lip* short, semicylindric rounded, notched in the middle. *Palpi* pubescent and 4-jointed, basal joint elongate-clavate, 2nd and 3rd stouter, shorter and somewhat obovate, 4th considerably the longest, slender linear and curved (5).

Head *short, transverse, face ovate-trigonal* (1*): eyes *lateral, elongate-ovate*: ocelli 3, *forming a depressed triangle on the crown*. Thorax *elongate-ovate*: scutellum *ovate-truncate*: metathorax with 4 *elevated lines united at both ends*. Abdomen *longish, curved, elliptical, attached by a flat petiole, dilated at the extremity, 2nd segment the longest, apex more or less conical*. Wings with a long marginal cell; areolet *quincunx*. Legs, *hinder the longest and stoutest*: coxæ, *posterior stout*: thighs *moderate*: tibiae, *anterior short with a spine at the apex, the others spined*: tarsi, *hinder the longest, 5-jointed, 4th joint the shortest*: claws and pulvilli *rather stout*.

Obs. *figures 1 to 5 are from I. luctatorius Linn., and fig. 9 is the abdomen of I. amatorius in profile.*

AMATORIUS *Mül.—Curt. Guide, Gen. 484. 112.*

Female black; antennæ curved, base black gradually becoming brown, and at the 8th joint ochreous, 8 following of the same colour: head and thorax thickly punctured and clothed with short brown pubescence; internal orbits of eyes yellow; scutellum semioval, of the same colour: scapulae and 2 dots before them yellowish: metathorax roughly, abdomen finely punctured, 2nd segment rufous with a yellow margin, the remainder also margined with yellow, 2nd and 3rd segments rufous beneath: wings yellowish-brown, nervures darker; stigma, tips of thighs, especially the anterior, tibiae and tarsi bright ochre.

In the Author's Cabinet.

IN 1828 I published a figure, &c. of *Ichneumon Atropos* (Pl. 234), which appeared to be a typical species, but Gravenhorst

in his Ichn. Europ. having called the group TROGUS, to which that species belongs, it will be necessary to adopt his name, and I avail myself of this opportunity to illustrate the group which he now considers as the true Ichneumonons. Having given in my Guide the most complete catalogue of the Ichneumonidæ that has ever been published, a reference to that will show the species belonging to this family, and I cannot perhaps do more service to those who do not possess Gravenhorst's work, than translate his characters of the genera and sections of the tribe before us.

	<i>Guide</i> <i>Genus.</i>
Head transverse.	
Scutel elevated	TROGUS. 496.
Scutel flat.	
Posterior legs not at once stout and elongated.	
Aculeus of female concealed, or somewhat exerted.	
Areolet 5-angular, very rarely triangular, or none.	
Antennæ serrated	PRISTICEROS. 485.
Antennæ simple.	
Abdomen cylindric	ISCHNUS. 486.
Abdomen ovate or oblong.	
Arolet none.	
Wings long	CRYPTURUS. 487.
Wings very short	BRACHYPTERUS. 489.
Arolet distinct.	
Exterior cell incomplete	STILPNUS. 488.
Exterior cell complete	ICHNEUMON. 484.
Sect. 1. Scutel and abdomen entirely black.	
2. Scutel and abdomen black, apical segments spotted with white.	
3. Scutel pale or with pale spots; abdomen totally black.	
4. Scutel pale or with pale spots; abdomen black, apical segments spotted with white.	
5. Scutel pale or with pale spots; abdomen tricolored.	
6. Scutel pale; apex of abdomen and frequently the middle also, with yellow spots or rings.	
7. Scutel pale; abdomen either spotted pale or with some of the segments entirely yellow, terminal segments entirely black.	
8. Scutel pale; abdomen entirely red, or red and black.	
9. Scutel black; abdomen entirely red or red and black.	
10. Scutel black; abdomen tricolored.	
11. Thorax and scutel red or painted with white; abdomen tricolored or bicolored; apex white.	

Cynodon Dactylon, Creeping Panick-grass, was communicated by Mr. R. Kippist, who found it on the beach between Penzance and Marazion.