



## LXXXIV. Descriptions of some new British species of hymenopterous insects

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by means of heated glass, they exhibit signs of free electricity, one of them being connected with the ground and the other with the electroscope; but the general conclusion which he attempts to deduce from the result of this single experiment is certainly inaccurate, as it is founded on the assumption that the colder wire will give always signs of positive electricity, which we have seen is only true when the glass is thick and at a certain temperature. The conditions however here stated are not the only circumstances which influence the direction of the electrical currents with heated glass, but as my experiments do not lead to any definite result, I refrain from describing them.

These currents may likewise be obtained by interposing certain minerals between unequally heated wires; thus mica placed between platina wires and heated very strongly caused a deflection in the galvanometer needle of  $7^{\circ}$ , and the mineral called stilbite of  $25^{\circ}$ ; the current in both cases was from the hot platina to the cold.

Belfast, April 11, 1837.

LXXXIV. *Descriptions of some new British Species of Hy-menopterous Insects.* By J.O. WESTWOOD, F.L.S. &c.\*

ENCYRTUS DALMANNI.

**C**APITE thoraceque lætè aureo- vel cœruleo- viridibus sericeis, scutello obscuriori; antennis thorace brevioribus sensim incrassatis, articulis 3—8, apice 9vi 10mi et 11mi omninò albidis; alis anticis nigricantibus, costâ versus et pone medium obscuriori, basi, maculis duabus marginalibus oppositis fasciâque subapicali albis; abdomine chalybeio; femoribus nigricantibus; tibiis tarsisque anticis luteis, summo apice fusco, tibiis intermediis flavis basi nigris, tibiis posticis nigris, tarsis pallidè luteis. Species pulcherrima. —Long. corp.  $\frac{3}{4}$  lin. Expans. alar.  $1\frac{1}{2}$  lin.

Habitat in quercetis com. Oxon., Cantian. et Surrej. Tempore ætatis. In mus. nostr.

ENCYRTUS ZETTERSTEDTII.

Præcedenti valdè affinis. Capite thoraceque lætè viridi-cœruleis, sericeis; abdomine nigro-chalybeio; antennis nigris, articulis 7 et 8 albidis, summo apice fusciscenti; alis anticis nigricantibus, suturâ obscuriori, basi, maculâ oblongâ ante medium alterisque 4 oppositis, 2, 2, marginalibus albis; pedibus nigris; femoribus et tibiis basi pedum anticorum nigris, tibiis apice tarsisque fulvis, tibiis intermediis et tarsis flavis illorum basi nigris, tibiis posticis nigris summo apice luteo, tarsisque luteis. —Long. corp.  $\frac{1}{2}$ — $\frac{3}{4}$  lin. Expans. alar.  $1$ — $1\frac{1}{2}$  lin.

Habitat cum præcedente. In mus. nostr.

ENCYRTUS ALBIPES.

Thorace viridi-æneo tenuissimè punctato; capite viridi, fronte viridi-aureâ; antennis ferè longitudine corporis, luteis, pilosis, filiformibus, scapo albo-flavescenti; scutello cupreo, laminis pleurarum violaceis, pedibus gra-

\* Communicated by the Author.

cilibus albo-flavescentibus, tarsorum apicibus fuscis; abdomine nigro-æneo; alis omnino hyalinis. ♂.

*Encyrto zephyrino* Dalm. valdè affinis.—Long. corp.  $\frac{3}{4}$  lin. Expans. alar.  $1\frac{1}{3}$  lin.

Individua 22 e larvâ *Tortricis* cujusdam folios involutos *Tiliæ* habitantis exclusa. Dqm. Ingall. In mus. nostr.

#### ENCYRTUS SULPHUREUS.

Pallidè sulphureus; oculis, antennarum clavâ tarsorumque apice fusco. Abdomine sessile, thorace majori ovato depresso apice subattenuato, alarum nervis pallidis, antennis capite cum thorace haud longioribus, versus apicem paulo et sensim incrassatis.—Long. corp.  $\frac{1}{4}$  lin. Expans. alar. 1 lin.

Habitat in gramineis in Richmond Park. Fine Augusti 1833. In mus. nostr.

#### ENCYRTUS SCHÆNHERRI.

Luteus, sericeus; antennis fuscis, filiformibus, scapo ovali compresso albido, fasciâ latâ nigrâ; apicibus albidis; facie fulvâ; metathorace obscuro, abdomine parvo, conico, depresso; pedibus luteis; alis hyalinis immaculatis.—Long. corp.  $\frac{3}{4}$  lin. Expans. alar.  $1\frac{1}{3}$  lin.

Habitat prope Cantabrigiam, Windsor et Hampstead Heath, mense Julio. In mus. nostr.

#### ENCYRTUS DAHLBOMII.

Thorace æneo tenuissimè punctato; abdomine nigro orbiculato depresso; facie fulvâ, vertice nigro; antennis sensim clavatis nigris, scapo latissimo compresso subtriangulari, articulis tribus ultimis (arctissimè conjunctis) albis; pedibus luteo-rufis; femoribus tibiisque posticis obscuris; alis fasciâ latâ mediâ fuscâ.—Long. corp. 1 lin. Expans. alar.  $1\frac{1}{4}$  lin.

Habitat in gramineis apud Swanscombe, com. Cantian., Julio 1835. In mus. nostr.

#### ENCYRTUS BOHEMANNI.

Obscurè niger; capite thoraceque pubescentibus; abdomine oblongo-ovato depresso piceo; tegulis marginibusque scutelli luteis; antennis longioribus ferè filiformibus, scapo maximo compresso ferè orbiculari, articulis ultimis albis; pedibus luteis, posticis paulò obscurioribus, alis immaculatis.—Long. corp.  $\frac{5}{8}$  lin. Exp. alar.  $1\frac{1}{2}$  lin.

Habitat in gramineis apud Richmond Park, com. Surrej, Julio 1835. In mus. nostr.

#### ENCYRTUS HEDERACEUS.

Albo-canescens; antennis pallidè fuscis sensim crassioribus, apice albo; facie luteâ capite thoraceque testaceis, hoc griseo squamoso, collari albido; abdomine parvo orbiculato depresso fusco; pedibus fusco-albidis; tibiis posticis obscurioribus.

Affinis *E. punctipedi*.—Long. corp.  $\frac{1}{2}$  lin. Expans. alar. 1 lin.

Habitat in Hederâ, Chiswick. Julio 1834. In mus. nostr.

*De genere CHOREIO (Choreia Westw. Mag. Nat. Hist., vol. vi.; Crantor Hal. Ent. Mag., No. iv. p. 268.)*

Genus olim characteribus e fœminâ desumptis institutum, nunc characteribus masculinis emendo.

Corpus ♂ breve crassum apterum ut in fœmina. Differt præcipuè antennis masculinis corpore toto paulò longioribus filiformibus 11-articulatis, scapo brevi; articulo 2do brevi, 3tio sequentibus longiori 4—8 æqualibus brevioribus, tribus ultimis arctissimè conjunctis. Reliquis cum fœmina convenit.

*Third Series.* Vol. 10. No. 63. June 1837. 3 L

Typus *Choreius ineptus*. ♂. ♀.

Nigro-æneus; antennis piceo-rufis, basi apiceque nigris; pedibus piceis; tibiis apice tarsisque rufis.

*Chorea nigro-ænea*. Westw. loc. cit.

*Encyrtus ineptus*. Dalm. Esenb. Hym. Mon. 2. 255.

*Sphenolepis inepta*. Esenb. loc. cit. p. 258.

Obs. 1. Genus *Sphenolepis* Esenbeckii, omnino distinctum nec ad subfamiliam *Encyrtides* pertinet.

Obs. 2. Individua nonnulla fœminea cum speciminibus apteris cepi, alas quatuor perfectas nigricantes possidentia. Hæc pro specie diversa non considero; sed potius individua evolutionem perfectiorem gaudentia; speciminibus alatis *Velix currentis* analoga. Nihil inter insecta Hymenoptera huic simile adhuc observatum est.

#### AGONIONEURUS ALBIDUS, Westw.

Totus pallidè flavescenti-albidus; oculis obscuris; alis immaculatis albidis, longè ciliatis, callositate stigmatali magis conspicuâ quàm in *Ag. basalii*, angulum parvum cum margine alarum formanti, antennarum articulo 5to præcedenti multò majori.—Long. corp.  $\frac{1}{3}$  lin. Expans. alar.  $\frac{5}{8}$  lin.

Habitat —? In mus. nostr.

#### AGONIONEURUS SUBFLAVESCENS, Westw.

Totus pallidissimè flavescens; oculis ocellisque paulò obscurioribus; alis subhyalinis, flavido vix tinctis callositate stigmatali quàm in *Ag. albido* minùs distinctâ, antennarum articulo 3, 4 et 5 æqualibus.

Obs. Insectum vix conspicuum.—Long. corp.  $\frac{1}{2}$  lin. Expans. alar. 1 lin. In mus. nostr.

Habitat in sepibus apud Sylvam Coombe, æstate 1835.

### LXXXV. *Some Account of the Art of Painting in Enamel.* By Mr. ALFRED ESSEX.\*

THE perusal of the excellent paper on Glass-painting which appeared in the Philosophical Magazine for December 1836, having revived an idea which I had formerly entertained of drawing up for publication a brief view of the allied art of PAINTING IN ENAMEL, I have now endeavoured to bring my intention into effect. This art is mentioned in some former papers in the Magazine, but as it is usually introduced merely incidentally, some further account may not be unacceptable to the present readers of this work.

Before proceeding to my more immediate subject, allow me to make a remark or two on that of painting on glass.

Mr. J. T. Cooper observes, in a paper on "the Composition of the Ancient Ruby Glass†," that "the chief difference between the ancient and modern ruby glass ..... consists in the hardness, or infusibility of the basis on which it is flashed, that which is now manufactured being of flint, while the former is

\* Communicated by the Author.

† Annals of Philosophy, Second Series, vol. vii. p. 105.