

XVIII. *Descriptions of New Genera and Species of Exotic Hymenoptera.* By J. O. WESTWOOD, M.A., F.L.S., &c.

[Read 16th November and 7th December, 1868.]

Genus TRIGONALYS, Westw.

1. *Trigonalys pulchella*, n. sp.

Minuta; castanea, flavo et nigro variegata; alis limpidis, nubila fuscescente subapicali; antennis obscure fulvis.

Long. corp. lin. $3\frac{1}{2}$; expans. alar. lin. $6\frac{1}{2}$.

Habitat in Insula Ceylon. Dom. Thwaites. In Mus. Hopeiano, Oxoniæ (olim nostro).

Species perelegans. Caput castaneum, clypeo, orbitu oculorum, maculis tribus verticalibus lineolisque nonnullis posticis flavis. Thorax castaneus; marginibus superis collaris, maculis duabus conicis anticis mesonoti, alteris duabus ad latera scutelli, post-scutelli linea tenui transversa, maculisque duabus magnis posticis metanoti, flavis. Abdomen segmentis dorsalibus basi nigris, apice castaneis, 1mo et 2do macula magna communi ovata, hujus etiam margine lato postico, flavis; segmentis apicalibus flavis, linea longitudinali media castanea; segmentis ventralibus inermibus.

2. *Trigonalys jucunda*, n. sp.

Rufo-fusco et flavo varia, minute punctatissima; alis hyalinis, anticarum dimidio costali fusco; pedibus rufis, tibiis basi albidis; antennis fuscis, basi fulvis.

Long. corp. lin. $4\frac{1}{2}$; expans. alar. antic. lin. 10.

Habitat in Amazonia. Dom. Bates. In Mus. Hopeiano, Oxoniæ.

Caput flavum, vertice late castaneo, nigro cincto; antennæ longæ, 24-articulatæ, apice gracillimæ, articulis 8 basalibus fulvo-rufis, apice fuscæ. Thorax castaneo-rufus; collaris lateribus, maculis duabus anticis mesonoti, alteris duabus ad basin scutelli, post-scutello, et maculis duabus ad apicem metanoti, flavis; scutello nigricante. Abdomen ad basin castaneum, ad apicem nigricans, segmentorum margine apicali flavo, segmentis ventralibus in medio inermibus.

3. *Trigonalys lugubris*, n. sp.

Nigra, punctatissima, flavo varia; alis anticis margine costali fusco suffuso.

Long. corp. lin. $4\frac{1}{2}$; expans. alar. antic. lin. 9.

Habitat in Amazonia. Dom. Bates. In Mus. Hopeiano, Oxoniæ.

Caput nigrum; clypeo, macula parva ad marginem anticum oculorum, alterisque duabus suborbitalibus, mandibulisque flavis, harum dentibus nigris; antennæ nigræ, 27-articulatæ. Thorax niger, collaris margine supero, punctis duobus anticis mesonoti, alterisque duobus minutis ad latera scutelli, post-scutelli linea tenui in medio emarginata, flavis. Abdomen segmentis postice flavo tenue marginatis; infra in medio profunde incisus. Alæ hyalinæ, margine costali fusco pone stigma magis suffuso. Pedes nigri, tibiis extus albidis.

NOMADINA, n. g.

Genus novum, e sectione *Terebrantium*; *Trigonalys* proximum, *Nomadam* (*Apidum*) quodammodo simulans.

Corpus breve robustum. Caput transversum, lobo transverso antico, in quo insident antennæ, thorace breviores, sat crassæ, 16-articulatæ, articulo 1mo brevi. Ocelli 3, parvi; mandibulæ latæ, subquadratae, fere planæ, 4-dentatæ; reliquæ oris partes fere obsoletæ; palpi labiales brevissimi, subconici. Thorax ovatus, collari supra inconspicuo. Pedes breves, robusti, simplices, unguibus bifidis. Alæ anticæ cellula una marginali, 4 submarginalibus; 1ma magna accepit venam 1am recurrentem, 2da parva trigona, 3tia parva quadrata accepit venam 2dam recurrentem; cellulis 3 discoidalibus. Abdomen thorace paullo majus, depressum, sub-spatulatum; segmento 3tio ventrali in tuberculo medio conico elevato, 4to inciso.

Nomadina Smithii, n. sp.

Lutea, fusco varia; capite maculis 4 parvis inter et pone oculos; thorace linea media ad post-scutellum extensa, maculisque duabus oblongis mesothoracis, fuscis; margine postico segmentorum abdominalium albedo; alis concoloribus, stigmate venisque castaneis.

Long. corp. lin. 5; expans. alar. antic. lin. $10\frac{1}{2}$.

Habitat in Amazonia. Dom. Bates. In Mus. Smith.

SIBYLLINA, n. g.

Genus novum *Aculeatorum*, quoad affinitates animum excrucians, sed ad familiam *Vespidarum* ut mihi videtur magis approximans. Corpus elongatum, *Belonogastri* (*Vespidarum*) vel *Pelopæi* (*Sphegidarum*) habitu, ♂ etiam *Formicarum* nonnullarum antennis elongatis, non dissimile.

Caput mediocre. Oculi reniformes. Ocelli magni. Mandibulæ parvæ, 3-dentatæ. Antennæ ♀ graciles, filiformes, alis longiores, 12-articulatæ, non geniculatæ, articulo 1mo parvo. Palpi valde elongati, 6-4-articulati. Labium, ut videtur, 3-lobatum. Thorax elongato-ovatus, collare brevi, lateraliter ad tegulas extenso, in medio subtus profunde impresso. Petiolus abdominis thorace longior. Abdomen elongato-ovatum. Pedes longi, graciles, haud spinoso-denticulati; tarsis omnibus elongatis, membranaceo-dilatatis; unguibus dente medio subtus armatis. Alæ mediocres; anticæ haud longitudinaliter plicatæ; cellula una marginali, 3 submarginalibus, 1ma et 2da æqualibus, 2da accepit venam 1am recurrentem valde obliquam in medio marginis postici; 2da recurrente, valde indistincta, cellulam 3am discoidalem claudente, transversa, et apicem cellulæ 2dæ attingente; alæ posticæ ad apicem venæ pabrachialis incisæ.

Sibyllina ænigmatica, n. sp.

Tota luteo-fulva; lævis, vix nitida; alis lutescente vix tinctis. *Ophioni luteo* coloribus similis.

Long. corp. unc. $\frac{1}{2}$; expans. alar. antic. unc. $\frac{3}{4}$.

Habitat in Insula St. Dominici, Hayti. Dom. Tweedy. In Mus. Hopeiano, Oxoniæ; Britann.; et Dom. Smith.

Genus AULACUS, Jurine.

The following descriptions of new species are supplemental to those published by me in the Third Volume of the First Series of these Transactions (p. 260), and the First Volume of the Second Series (p. 222).

1. *Aulacus nobilis*, n. sp.

Niger, nitidus; mesonoto valde gibboso, retuso, rugoso, et antice tuberculis duobus conicis porrectis armato,

supra rufo-fulvo; alis fuscis, violaceo-micantibus, stigmate nigro, omnibus macula trigona, paullo ante medium, fasciæque lata substigmatico, hyalinis. Abdomine brevi clavato; oviductu abdomine paullo longiori, valvulis nigris. ♀.

Long. corp. lin. 6; expans. alar. lin. 11.

Habitat in Amazonia. (Dom. Bates). In Mus. Hopeiano, Oxoniæ.

2. *Aulacus formosus*, n. sp.

Elongatus, læte flavus, nigro variegatus; alis subhyalinis, stigmate nigro, nubilaque apicali anticarum infumatis; capitis vertice nigro, lineis (vel punctis) duabus flavis; mesonoto transverse striatulo, macula trigona antica, alterisque duabus dorsalibus, scutello et metanoto maculis parvis nigris notatis; abdomine flavo, basi et fasciis nigris; pedibus flavis, posticorum duorum trochanteribus, basi et apice tibiæ, tarsisque nigris: oviductus valvulis nigris. ♂ et ♀.

Long. corp., ♂ lin. 6; ♀ lin. 7; expans. alar. antic., ♂ lin. 12; ♀ lin. 14.

Habitat in Australia australiori (Melbourne, Dom. Bakewell).

In Mus. Hopeiano, Oxoniæ (olim nostro) et Britann. (cum nomine M.S. Smithiano supra usitato inscriptus).

3. *Aulacus stigmaticus*, n. sp.

Niger; capite antice et lateribus thoracis griseo sericantibus; abdomine longo, compresso; pedunculo fere dimidium longitudinis abdominis æquante nigro, segmentis 2 proximis obscure fulvis, dorso nigro-fasciatis; alis hyalinis, anticis costa flavescente, macula magna rotundata nigra cum stigmate connexa; antennis nigris, articulis 2 basalibus fulvis: pedibus obscure luteo-albidis, posticis duobus obscurioribus: venis alarum posticarum fere obsoletis. ♂.

Long. corp. lin. $5\frac{1}{2}$; expans. alar. antic. lin. $8\frac{1}{2}$.

Habitat apud Singapore. (Dom. Wallace). In Mus. Smith.

4. *Aulacus rufitarsis*, n. sp.

Niger, capite subopaco, thorace striolato; abdomine subelongato, nitido, sensim subclavato: antennis et palpis

nigris: alis obscure hyalinis, stigmate nigro, apice fuscescente, vena cellulam 2am submarginalem claudente fere oblitterata; pedibus nigris, tibiis quatuor anticis tarsisque omnibus rufescentibus; oviductu abdomine plus dimidio longiori, valvulis nigris. ♀.

Long. corp. lin. 6; expans. alar. antic. lin. 11.

Habitat in Terra Van Diemenii. (Dom. Cuming). In Mus. Hopeiano, Oxoniæ.

5. *Aulacus hæmorrhoidellus*, n. sp.

A. hæmorrhoidali (Westw. Tr. Ent. Soc. ser. 2, i. 223) magnitudine et habitu simillimus. Differt spina parva porrecta utrinque ad angulum antico-inferum collaris, pedibus nigris, et oviductus valvulis late albo-fasciatis. ♀.

Long. corp. lin. 6; expans. alar. antic. lin. $9\frac{1}{2}$.

Habitat in Amazonia. (Dom. Bates). In Mus. Hopeiano, Oxoniæ.

6. *Aulacus spinifer*, n. s.

A. hæmorrhoidali proximus. Differt antennis omnino nigris; mesonoto supra obscure testaceo, areolato, antice bicornuto; margine antico angusto nigro collaris etiam spinis 4 antice porrectis armato: scutello et metanoto nigris, rugosis: abdomine clavato, dimidio apicali testaceo: alis hyalinis, stigmate nigro, nubila apicali fuscescente; oviductus valvulis nigris; pedibus 4 anticis luteis, tarsis apice obscuris, 2 posticis nigris.

Long. corp. lin. $6\frac{1}{2}$; expans. alar. antic. lin. $8\frac{1}{2}$.

Habitat in Amazonia. (Dom. Bates). In Mus. Hopeiano, Oxoniæ.

(*Aulacinus*, subg. nov.)

7. *Aulacus (Aulacinus) mærens*, n. sp.

Brevis, subopacus; niger; capite subgloboso, antennis brevibus, fulvis, articulis 2 basalibus et 2 apicalibus nigricantibus; thorace brevi-ovato, antice subretuso, striatulo; alis subhyalinis, stigmate et venis nigris, cellulis 4 submarginalibus distinctis, 2da late trigona, apice supra truncato, 3tia subquadrata, vena cellulam 2dam claudente

cum vena secunda recurrente continua; venis alarum posticarum obsoletis; pedibus nigris, tibiis (nisi apice posticarum) tarsisque brunneis: abdomine brevi, clavato; oviductu abdomine breviori; valvulis nigris. ♀.

Long. corp. lin. $5\frac{1}{2}$; expans. alar. antic. lin. $8\frac{1}{2}$.

Habitat apud Adelaidam, Australiæ. In Mus. Hopeiano, Oxoniæ.

The variation in the veins of the wings has rendered it necessary to propose a separate subgenus for this species.



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