

ART. XXVIII. *An Essay on the Classification of the Parasitic Hymenoptera of Britain, which correspond with the Ichneumonones minuti of Linnæus.* By A. H. HALIDAY, Esq., M.A.

[TO THE EDITOR OF THE ENTOMOLOGICAL MAGAZINE.]

SIR,—Among our indigenous insects, few seem to have obtained so little attention from the systematic writers of Britain as the tribes of *Hymenoptera*, corresponding (with a slight modification) to the *Ichneumonones minuti* of Linnæus. This branch has not been equally disregarded by the continental authors; but of their methods little more than partial indications have been made accessible to the generality of British collectors. In attempting here to give an outline from those sources, and embodying the results of some of my own investigations, I must hope for the indulgence which the total want of any library of reference will suggest in my favour. During a short stay in London, some years since, the ever-ready liberality of my friend, Mr. Curtis, opened to me the stores of his rich cabinet, as well as various sources of information not otherwise accessible. Some leisure hours have since been passed, not unpleasantly, in recalling and applying the information thus afforded, and from those recollections, and from the materials afforded by my own small collection, I am induced to attempt the sketch of which these sheets form the introductory, and not the least laboured part. The plan I have proposed to myself excludes much pretension to originality. I have, however, in many cases remodelled and amplified the characters of established genera, in accordance with my own observations, and have added some subdivisions that seemed to be pointed out by nature. In addition to the genera previously determined, a few groups have been *indicated* by Mr. Stephens, in his "Systematic Catalogue," and the great mass subsequently by Mr. Curtis, in his "Guide to an Arrangement of British Insects." As the groups proposed by Mr. Stephens were in general unnamed, I had followed the nomenclature of the latter catalogue. A notice in the pages of the "Entomological Magazine" brought to my knowledge an Essay, by Mr. Westwood, on the *Parasitic Hymenoptera*, inserted in the "Philosophical Magazine" (Third Series, No. III.) for

August, 1832. As the genera there *characterized* for the first time appeared to me, with two or three exceptions, to be identical with those I had adopted from Mr. Curtis's Guide, and under his names, to avoid the inconvenience of conflicting nomenclature, it became necessary hastily to review these sheets, and to substitute Mr. Westwood's names in their right of priority.^a The elegant conciseness and distinctness of his generic characters facilitated this task; and I believe I have succeeded in applying them correctly in general. An abrupt descent from the family to the ultimate generic subdivision, renders it difficult in all cases to combine brevity with certainty (unless by embodying the divisional characters in the generic, an object not easily effected while the divisions themselves are overleaped); accordingly, in one or two instances where no particular indication of affinities was supplied, I had to rest in doubt. The examples given with the tabular view were an after-thought, and added without an opportunity of consulting my cabinet, or any book of reference; but I believe no material errors have crept in.

Yours, &c.

ALEX. HENRY HALIDAY.

Dublin, November, 1832.

^a There is nothing in science for which we feel a more sovereign contempt, and think more utterly at variance with all proper and gentlemanly feeling, more decidedly indicative of poverty of resource, than the plan here alluded to, of appropriating and superseding the labours of other authors. Had we, instead of Mr. Haliday, been the author thus robbed of our hard-earned property, we hope and trust we should have had the fortitude to have borne the matter as he has done: he has proved himself not merely the gentleman, but the philosopher and christian. We are not, however, a party concerned; and the performance of our duty as Editor of an Entomological Magazine demands from us the undisguised expression of our most decided disapprobation of all such transactions. We noticed Mr. Westwood's paper at p. 85; we received it when our first number was in the press, and were not then aware of its nature.—Ed.

I. TABULA SYNOPTICA GENERUM ET SUBGENERUM ICHNEUMONUM ADSCITORUM BRITANNIÆ.

Species Ex. gr. delectæ et Synonyma.

Fam. Ichneumonenes.

** *Subf. Adsciti.* Areola disci externa nulla, antica sæpius completa, *sicæ* Bracones et Bassi. *Nees von Esenbeck.*

* Abdomen sub pectus incurvatile: areola antica disci contigua vel incompleta: palpi maxillares 4-articulati. **APHIDIUS.**

- I. Alæ nullæ: aculeus horizontalis Aphidius Ephippium, *Curt. G.*
- II. Areola disci antica et cubitales interiores confluentes, i. et postice definitæ.
 - 1. Aculeus horizontalis s. suberectus obtusus Aphidius Rosæ.
Ichneumon Aphidum, De G.—Schra.
Aph. constrictus. Nees.

- ii. et postice effusæ.
 - 1. Aculeus simpliciter falcatus s. subconicus. *Monoctonus* Aph. Caricis, *ined.*
 - 2. Aculeus decurvedus inter cornua bina ventralia acuta ipso longiora. *Trioryx* Aph. Cirsii. *E. B.*

- III. Areolæ cubitales 3 et antica disci completæ.
 - i. Aculeus decurvedus tricuspis: antennæ multi-articulatæ. *Trioryx.* Aph. deltiger, *ined.*
 - ii. Aculeus horizontalis: antennæ 11-articulatæ. *Ephedrus.* *Bracon plagiator, Nees, B. M.*
Aph. exoletus, Nees.

* Abdomen haud penitus incurvatile.

I. Areola antica disci contigua completa.

- i. Palpi maxillares 5-, labiales 3-articulati. **ANCYLUS.**
 - 1. Aculeus deflexus subulatus Ancyclus cuspidatus, *ined.*
 - 2. Aculeus falcatus incurvus Anc. muricatus, *ined.*

Species Ex. gr. delectæ et Synonyma.

- ii. Palpi maxillares, 6-, labiales 3-articulati.
 1. Areola antica disci antice angulata.
 † Abdominis segmenta 3 magna coalita. **SIGALPHUS.**
 A. Abdomen breviter ovatum sessile
 B. Abdomen oblongum basi angustatum. **EUBAZUS.**
 †† Abdominis segmenta discreta.
 A. Areolæ cubitales 3. **DIOSPILUS.**
 B. Areolæ cubitales 2. **CHARMON.**
 2. Areola antica disci antice subtruncata. **BLACUS.**
 a. Antennæ ♂ articulis pluribus quam 20, ♀ quam 19
 b. Antennæ ♂ 19-, ♀ 17-articulatæ
 iii. Palpi maxillares 6-, labiales 4-articulati.
 1. Areolæ cubitales 3.
 † Abdomen falcatum aculeo brevi. **ZELE.**
 †† Abdomen oblongum aculeo elongato. **MACROCENTRUS.**
 Zele testaceator, *E. B.*
Ichn. pallidator, Thunb. *A. P. ?*
 Macrocentrus linearis.
Rogas linearis, Nees, *A. A.*
Bracon linearis, Nees, *B. M.*
 Orgilus obscurator.
- II. Areolæ cubitales 2. **ORGILUS.**
 Areola antica disci remota vel incompleta.
 i. Palpi maxillares 5-articulati.
 1. Numerus articulorum antennarum determinatus in ♂ et ♀ par.
 A. Antennæ 20-articulatæ. **ADELIUS.**
 B. Antennæ 18 articulatæ: alarum posticarum areolæ radicales 2
 cubitales 2. **MICROGASTER.**
 a. Areolæ cubitales 2
 Microgaster glomeratus, *Spin.*
Ichn. glomeratus, *L.*
- Sigalphus caudatus, *Nees.*
 Sig. macrocephalus.
Eubazus macrocephalus, *Nees*
 Diospilus oleraceus, *ined.*
 Charmon cruentatus, *ined.*
 Blacus ruficornis.
Bracon ruficornis, *Nees.*
 Blacus humilis, *Nees.*

Species Ex. gr. deletæ et Synonyma.

- b. Areolæ cubitales 3
- C. Antennæ 14-articulatæ. **MIRAX.**
- Numerus articulorum antennarum incertus, in maribus auctus.
- † Areolæ cubitales 3.
- † Areola radialis angustissima cuneata.
- A. Palpi labiales 3-articulati. **MICRODUS.**
 - a. Areola disci antica completa
 - b. Areola disci antica incompleta
- B. Palpi labiales 4-articulati. **AGATHIS.**
 - a. brevirostris. **DIPLOZON?**
 - b. rostrati
- †† Areola radialis ovata s. oblonga. **BRACON.**
- A. Areola brachialis inferior alarum posticarum brevissima.
 - a. Antennæ apice compressæ obtusæ. *Genuini.*
 - a. rostrati
 - b. brevirostris
 - b. Antennæ teretes. *Microcephali.*
 - a. rostrulati
 - b. erostres
- B. Areola brachialis infr. alarum posticarum magna.
 - Sphærocephali*
- †† Areolæ cubitales 2. **LEIOPHRON.**
 - A. Areola radialis apicem alæ attingens. **PYGOSTOLUS.**
 - Micr. globatus, *Spin.*
 - Ichn. globatus, L.*
 - Mirax rufilabris, *ined.*
 - Microdus gloriatorius, *Nees.*
 - Bassus gloriatorius, Pz.—E. B.*
 - Micr. cingulipes, *Nees.*
 - Agathis calculator.
 - Microdus calculator, Nees.*
 - Bassus calculator, Pz.—E. B.*
 - Agathis malvacearum, *Latr.*
 - Bracon desortor, *Spin.*
 - Bracon nominator, *F.*
 - Bracon delibator, *ined.*
 - Bracon minutator, *F.*
 - Bracon denigrator, *F.*
 - Leiophron sticticus.
 - Cryptus sticticus, F.*

Species Ex gr. delectæ et Synonyma.

B. Areola radialis brevissima semilunata.

- a. Abdomen sessile *L. mitis, ined.*
 b. Abdomen petiolatum *L. apicalis, Curt. G.*

ii. Palpi maxillares 6-, labiales 3-articulati.

1. Occiput marginatum: mandibulæ forcipatæ: areola disci antica parum remota. **PERILITUS.**

† Areolæ cubitales 3.

- A. Alarum posticarum areolæ radiales 2 *Perilitus albiditarsus.*
Zele albiditarsus, E. B.
 Per. ictericus, *Nees.*

†† Areolæ cubitales 2.

- B. Alarum posticarum areola radialis 1 *Per. rutilus, Nees.*

A. Areola antica disci completa

- Per. secalis.*

B. Areola antica disci et cubitales interior confluentes.

- a. Areola radialis ab apice alæ remota semicordata *Ichn. secalis, L.*
 Per. idalius, *ined.*

b. Areola radialis apicem alæ attingens cultrata

- Chorebus affinis.

- Alysia affinis, Nees.*

- Dacnusa uliginosa, Curt. G.*

iii. Palpi maxillares 6-, labiales 4-articulati.

1. Occiput immarginatum: abdominis segmenta discreta.

† Corpus elongatum. (Labrum transverso-quadratum). **COELINIUS.** *Cœlinius anceps.*

- Chænon anceps, E. B.*

†† Corpus breve. (Labrum fere trigonum). **ALYSIA.**

- A. Mandibulæ hiantes areolæ cubitales 2. **DACNUSA.**

Species Ex. gr. Delectæ et Synonyma.

Alysia rufipes, *Nees*.

Dacnusa pubescens, *Curt. G.*

Alysia areolaris, *Nees*.

Alysia aptera, *Nees*.

Chænon apterus, *E. B.*

a. Areola radialis ante apicem alæ sinuato clausa . . .

b. Areola radialis amplissima in apicem effusa . . .

B. Mandibulæ hiantes tridentes : alæ nullæ . . .

C. Mandibulæ hiantes subquadratæ trilobæ s. tridentes : areolæ cubitales 3

a. Stigma conspicuum. Areola disci antica completa.

a. Antennæ ♀ crassæ pilosæ turbinatæ . . .

b. Antennæ ♂ ♀ graciles.

a. Stigma definitum breve . . .

β. Stigma attenuato-elongatum . . .

b. Stigma conspicuum. Areolæ disci antica et cubitales

interior confluentes . . .

c. Stigma nullum.

a. Areolæ cubitales discretæ . . .

b. Areolæ cubitales interiores confluentes . . .

D. Mandibulæ hiantes dente intermedio acuminato-elongato :

Areolæ cubitales 3. *ALLOEA*. . .

E. Mandibulæ forcipatæ : areolæ cubitales 3. *GNAMPTODON*.

2. Occiput plerumque marginatum : abdomen fornicatum exasperatum

segmentis posticis brevibus vel retractis : alarum posticarum

nervus recurrens unicus.

† Abdominis segmenta coalita postica retracta. CHELONUS.

‡ Areolæ cubitales 2 : mandibulæ hiantes 4-dentes. TRA-

CHIONUS.

‡‡ Areolæ cubitales 3.

Alysia manducator, *Auct.*

Alysia ruficeps, *Nees*.

Al. pallida, *E. B.*

Al. Apii, *E. B.*

Al. cephalotes, *Curt. G.*

Al. nervosa, *Curt. G.*

Al. concolor, *Nees*.

Al. pusilla, *Curt. G.*

Alysia contracta, *Curt G.*

Al. rufiventris, *Nees*.

Chelonus mandibularis.

Species Ex. gr. delectæ et Synonyma.

- A. Areolæ disci subæquales. *SPHAEROPYX*
 B. Areola disci inferior angusta.
 a. Abdomen triannulatum
 b. Abdomen exannulatum.
 a. Areola disci antica completa
 b. Areola disci antica incompleta
 †† Abdominis segmenta discreta. *ADEMON*.
 † Abdomen sessile s. subsessile,
 ‡ et immarginatum,
 † Segmentis 3 anticis magnis subæqualibus,
 A. lanceolatum. *ROGAS*.
 B. ovatum aculeo subdeflexo. *CLINOCENTRUS*.
 †† Segmento 1^{mo}. parvo, 2^{do}. maximo.
 A. Antennæ 11-articulatæ. *CHREMYLUS*.
 B. Antennæ multi-articulatæ, aculeus brevis subdeflexus.
 COLASTES.
 C. Antennæ multi-articulatæ, aculeus elongatus ascendens.
 †† Abdomen marginatum. *HORMIUS*.
 †† Abdomen petiolatum. *SPATHIUS*.
 Rhyssalus clavator, *ined.*
 Hormius moniliatus, *Nees.*
 Spathius clavatus, *Nees.*
 Cryptus clavatus, *Pz.*
 Cr. mutillarius, *F.*
 Ichn. attenuator, *Thunb.*
- Chelonus rufipes*, *Nees.*
Sigalphus rufipes, *Latr.*
Chelonus sulcatus, *Jur.*
Ademon decrescens.
- Rogas testaceus*, *Nees.*
Bassus testaceus, *F.*
Bracon testaceus, *Spin.*
Clinocentrus umbratilis, *ined.*
- Cremylus elaphus*, *ined.*
Hormius ii.—*Nees.*
- Colastes braconius*, *ined.*

De Trophis horum Ichneumonum nonnusquam auctoritati obsecutus sum, quales sunt Agathis, Bracon (*sc. Sphaerocephali*), et Sphaeropyx a cl^{ms}. Latreille, Nees von Esenbeck et Curtis luculenter expressi. Perpaucos etiam (*q. s.* Mirax, Perilitus *sectio ultima*, Trachionus, et Chremylus) in ordinem redegi Analogiæ fere solæ fisis. Reliquorum trophos ipse scrutatus sum.

Desiderantur Genera Helcon, Ichneutes, Cardiochiles, Planicus, Aenone; e quibus Helcon Macrocentris proximus; Aenone sub Alysitis ut subgenus disponendum videtur, Ichneutes forsitan inter Chelonus et Microgastres; Planicus genus dubii situs, Cardiochiles mihi ignotum.

Terminorum interpretatio. Occiput *marginatum* appello cuius limbum ambit undique lineola elevata aut angulata; *immarginatum* quod cum vertice leni tractu confunditur etiamsi a genis atque gula sat determinate discretum sit:—areolam anticam disci *contiguum* cuius angulus anticus attingit costam ad basin stigmatis; si aliter fiat *remotam*; — denique nervos *recurrentes* in alis posticis qui ex areolâ brachiali anteriore versus marginem posticum anteriorem excurrunt.

II. EXCERTA QUEDAM E METHODO CHALCIDUM BRITANNIÆ.

Fam. Chalcides.

* *Pypivoræ*. Nervus subcostalis elongatus, antennæ et pedes mediocres.

† Pentameri.

I. PTEROMALI. Palpi maxillares 4-articulati.

i. Macromeri.

A. CHALCIS, F. (*BRACHYHYMERIA*, *Ww.*)
SMIERA, *Spin.*

B. HALTICHELLA, *Spin.*

ii. Isomeri.

I. Isosterni.

A. Carbonarii.

EURYTOMA, *Ill.* DECATOMA, *Spin.* SYSTOLE, *Walk.* ISOSOMA, *Walk.*

B. Metallicores.

a. Dodecatomæ.

a. PERILAMPUS, *Latr.* CRATOMUS, *Dal.* &c.

b. MEGASTIGMUS, *Dal.* TORYMUS, *Dal.*

b. Hendecatomæ.

{ ORMYRUS, *Ww.*
 { CYRTOSOMA, *Curt. G.*
 SPHEGIGASTER, *Spin.*
 { PACHYLARTHUS, *Ww.*
 { PHAGONIA, *Curt. G.*
 GNATHO, *Curt.*

HALICTOPTERA, *Spin.*
 PTEROMALUS, *Sued.*
 CHEIROPACHYS, *Ww.*
 TRIGONODERUS, *Ww.*
 CALLITULA, *Spin.*
 MACROGLENES, *Ww. &c.*

2. Macrostermi.

a. Dodecatomæ.

CLEONYMUS, *Latr.* STENOCERA, *Curt. G.* EUPELMUS, *Dal.*

b. Hendecatomæ. Antennarum articuli pauciores quam 12 præter annellos sive articulos minutos ad basin flagelli.

CERCYSIUS, *Ww.*

ENCYRTUS, *Latr.*

ERICYDNUM (*Curt. G.*). Nervus subcostalis costam longius occupans ante originem ramuli cubitalis.

CRANTOR. Corpus brevissimum contractum apterum thoracis suturis lævigatis.

APHELINUS, *Dal.* (*CYLLOMUS, Curt. G.*) Nervus subcostalis ultra medium costæ abruptos ramulo cubitali nullo. Antennæ 8-articulatæ.

MICROMA, *Curt. G.*

II. SPALANGLÆ. Palpi maxillares biarticulati.

i. Palpi labiales biarticulati maxillaribus vix duplo breviores. Collare elongatum.

SPALANGIA, *Latr.* alati: caput oblongum fere rostratum.

LAESTHIA, *Curt.* apteri: caput ovatum.

ii. Palpi labiales minutissimi punctiformes. Collare transversum.

PIRENE, *Curt. G.*

†† EULOPHI. Tetrameri: palpi biarticulati subconici.

EULOPHUS, *Geoff*
 { DICLADOCERUS, *Ww.*
 { DIOZUS, *Curt. G.*
 OMPHALE, *Curt. G.*

ENTEDON, *Dal.*
 CIRROSPILUS, *Ww.*
 { EUPECTRUS, *Ww.*
 { PERISTUS, *Curt. G.*
 &c.
 PTEROMALUS, *Spin.*
 ELACHERTUS, *Spin.*
 MICROTERUS, *Spin.*

** *Ovivoræ*, s. MYMARES. Nervus subcostalis brevissimus : antennæ et pedes gracillimi.

I. Pentameri.
 OOCOTONUS. Antennæ maris 13-articulatæ flagello filiformi, feminae 11-articulatæ capitulo exannulato.

LITUS. Antennæ maris 13-articulatæ flagello filiformi, feminae 9-articulatæ capitulo exannulato.
 II. Tetrameri.

1. Antennæ feminae 10-articulatæ capitulo biarticulato.

EUSTOCHUS.

2. Antennæ feminae 9-articulatæ capitulo exannulato.

A. Abdomen petiolatum.

MYMAR, (*E. B.*) Alæ anticæ capillares apice spathulatæ, posticæ setacæ.

POLYNEMA. Alæ anticæ obovatæ, posticæ lineares.

B. Abdomen sessile.

ANAPHES. Abdomen ovoideum : antennæ maris 12-articulatæ.

ANAGRUS. Abdomen conico-elongatum : antennæ maris 13-articulatæ.

Familiam hancce integram consultò transilui, generibus a meipso olim vulgatis modo in ordinem revocatis, quippe quæ peritiori in manibus jam versatur optimo angurio.

CONSECTUS STIRPIUM ET GENERUM OXYURORUM BRITTANNIÆ.

OXYURI. *Latr.* (*PROCTOTRUPINI. Latr.* *CODRONI. Dalrn.*)

I. PLATYGASTRES. Abdomen sessile depressum. segm.¹⁰. 1^{mo}. haud campanulato, ventre marginato : antennæ prope os insertæ fractæ 10—12-articulatæ, radícula sæpe exserta : maxillarum lobus membranaceus integer :

Species Ex. gr. deletæ et Synonyma.

* Palpi breves frons rotundata.

† Thorax oblongus, collari amplo bilobo :

vii. SCELIO. Antennæ feminae 12-articulatæ : palpi maxillares 3-articulati : areola radialis elongata trigona, nervus subcostalis a costa remotus

i. PLATYGASTER. Antennæ 10-articulatæ : palpi maxillares biarticulati : alæ exareolatæ : pedes haud saltatorii :

1. *INOSTEMMA*. Nervus subcostalis abruptus capitatus : antennarum clava 4-articulata2. *PLATYGASTER*. Alæ anticæ aveniæ :

a. Antennarum clavæ abruptæ 4-articulatæ : scutellum mucronatum.

b. Antennæ apice sensim vel parum crassiores articulo 3^{ho} . minuto vel penitus oblitterato

a. Scutellum mucronatum s. fasciculatum

b. Scutellum obtusum

†† Thorax brevis collari lineari-arcuato : pedes saltatorii.

‡ Scutellum nullum :

v. *BAEUS*. Corpus brevissimum contractum apterum : antennæ feminae breves clavâ compactâ 5-annulata, ovato-accuminata.—

Mas, incognitus

Teleadi affinis etiam generi *Crantori* inter *Encyrtos* haud dissimilis ob "faciem subcoleoptatam." (*Dalm*).

†† Thoracis segmenta aligera discreta : nervus subcostalis marginem longius occupans et ramulum stigmaticalem emittens, vel alæ nullæ.

Scelio rugosulus, *Latr.*Platygaster Boscii, *Lat. Curt. B. E.*
Psilus Boscii, Jur.Platygaster Tipulæ recentiorum.
Ichn. Tipulæ, Linn. *F. S.*
—————Kirb. *L. T.* v.Platygaster ruficornis, *Latr.*
Platygaster elongatus, *Curt. G.*Bæus seminulum, *ined.*

Species Ex. gr. delectæ et Synonyma.

ii. **TELENOMUS.** Ramulus stigmatalis in discum alæ oblique descendens: abdominis segmentum primum brevissimum, secundum longe maximum: antennæ femine apice sensim clavatæ: palpi maxillares biarticulati: mandibulæ arcuatæ apice denticulatæ (saltem in *T. brachialis*.)

- a. Antennæ ♂ 12-articulatæ flagello filiformi: abdomen ovatum . . .
 - b. Antennæ ♀ 10-vel 11-articulatæ: abdomen ovatum caput transversum . . .
 - c. Antennæ ♀ 11-articulatæ: caput subcubicum:
 - a. Abdomen ob-ovatum . . .
 - b. Abdomen conicum elongatum . . .
- iii. **GRYON.** Antennæ 12-articulatæ maris flagello filiformi crassiusculo, femine clavâ 5-annulatâ: ramulus stigmatalis brevis: abdomen ovatum segmentis anterioribus æqualibus tertio brevioribus . . .

Cum *Teleade* jungendus sub sectionem propriam si trophi satis conveniant id quod adhuc est incompertum.

iv. **TELEAS.** Antennæ 11-articulatæ maris flagello lineari elongato articulo 5^{to} angulato; femine clavâ quinque-annulata: palpi maxillares 3-articulati: mandibulæ apice emarginatæ. Ramulus stigmatalis brevissimus: metathorax mucronatus: abdomen obovatum segmentis anterioribus subequalibus 3^{is} majore: species plurimæ apteræ . . .

vi. **THORON.** Antennæ 12-articulatæ radiculâ elongatâ, maris flagello filiformi, femine clavâ 5-annulatâ: palpi maxillares

- Telenomus ater*, *ined.*
- Telenomus brachialis*, *Curt. G.*
- Telenomus heteropterus*, *Curt. G.*
- Telenomus othus*, *ined.*

Gryon misellum,
Telenomus misellus, *Curt. G.*

Teleas clavicornis, *Latr.*

Species Ex. gr. delectæ et Synonyma.

4-articulati: labiales subulati 2-articulati: mandibulæ
 latae tridentes: ramulus stigmatalis in discum alæ
 oblique descendens: abdomen obovatum segmentis
 anterioribus subæqualibus 3^{is}. majore. *Corpus æneo-*
nitens

** Palpi maxillares prælongi: frons elevata.

viii. SPARASION. Antennæ 12-articulatæ

II. CERAPHRONTES. Abdomen subsessile immarginatum campanulatum, segmento ultimo ventrali carinato aculeum lanceolatum e rima verticali emittente: antennæ fractæ supra os insertæ: alæ fere exarcolatæ: maxillarum lobus membranaceus integer: mandibulæ arcuatæ apice emarginatæ.

* Antennæ 11-articulatæ, feminae apice crassiores: abdominis segmentum primum basi constrictum.

ix. MEGASPILUS. Ocelli 3: oculi magni vel medioeres: stigma crassum, ramulus stigmatalis arcuatus abruptus: vel alæ nullæ: palpi maxillares 5-articulati

x. MICROPS. Ocelli 0: oculi minuti: palpi maxillares 4-articulati: corpus apterum

** Antennæ maris 11-articulatæ: feminae 10-articulatæ: abdominis segmentum I^{sum}. maximum basi truncatum.

xi. CERAPHON. Palpi maxillares 4-articulati: stigma 0: ramulus stigmatalis arcuatus abruptus, vel alæ 0

Thoron metallicus.

Teleas metallicus, Curt. G.

Sparasion frontale, *Latr.*

Ceraphron cornutus, Jur.

Megaspilus dux, *Westw.*

Ceraphron duax, Curt. B. E.

Microps Rubi.

Ceraphron Rubi, Curt. B. E.

Ceraphron sulcatus, Jur.

III. DRYINI. Abdomen convexum immarginatum haud campanulatum : segmento ventrali ultimo carinato aculeum subulatum e rima verticali emittente : antennæ porrectæ 10-articulatæ inter oculos insertæ : alæ areolatæ (secundum typum *Eraniæ*) nervis costalibus discretis : mandibulæ dentatæ. Maxillarum lobus membranaceus integer.

* Os minutum : palpi reflexi breves.

xii. DICONDYLIUS. Palpi maxillares 5-articulati : caput latum antice et postice retusum, oculis magnis prominulis : antennæ inferius insertæ : thorax elongatus constrictus apterus : pedes antici remoti coxis longis : tarsi 9 chelatis :—♂ incognitus

xiii. LABEO. Palpi maxillares 3-articulati : caput postice truncatum, facie convexa ; thorax brevis compactus : alarum stigma angustum : tarsi omnes maris simplices.—Femina incognita

** Os latum : palpi longi penduli, maxillares 6-articulati :

xiv. DRYINUS. Antennæ longiores : tarsi antici feminae chelati : collare ejusdem sæpius elongatum : alæ distincte areolatæ stigmatate trigono

xv. APHELOPUS. Antennæ breves : tarsi simplices : collare brevissimum : areolæ disci inconspicuæ : stigma trigonum

IV. PROCTOTRUPES. Abdomen subsessile campanulatum valvulis aculei exertis sub formâ tubi cornei falcati subulati : antennæ porrectæ

Dicondylus pedestris, Curt. G.
 Dryinus (G.) pedestris, Dalm. A. E.
 Dryinus formicarius, Dalm. A. H.

Labeo vitripennis.
 Dryinus vitripennis, Curt. G.

[Dryinus formicarius, Latr.]

Aphelopus melaleucus, Dalm.
 Aph. atratus, Dalm. ♂

Species Ex. gr. delectæ et Synonyma.

filiiformes 12-articulatæ infra frontem insertæ : maxillanem lobus bipartitus : palpi mediocres, maxillares 4-articulati : areolæ disci oblitteratæ, nervi costales discreti.

xvi. PROCTOTRUPES

Proctotrupes brevipennis, Latr.
Serphus brachypterus, Schra.
Ichn. Gravidator, Linn. F. S.

V. DIAPRIÆ. Abdomen petiolatum campanulatum aculei structurâ variante : antennæ fronti insertæ 12—15-articulatæ. Maxillarum lobi connati : palpi maxillares longi 5-articulati.

* Antennæ porrectæ 15-articulatæ : palpi labiales 3-articulati : alæ areolatæ nervis costalibus discretis.

xvii. HELORUS
** Antennæ fractæ : alarum discus exareolatus.

Helorus anomalipes, Jur.

† Palpi labiales 3-articulati.

xviii. CINETUS. Antennæ maris 14-articulati, feminae 15-articulatæ apice crassiores : areola radialis parva trigona completa : vel alæ 0

Cinetus gracilipes, Curt B. E.

†† Palpi labiales 2-articulati.

A. Antennæ utriusque sexus 13-articulatæ.
xix. PARAMESIUS. Antennæ prælongæ, maris articulis 2^{do}. et 3^{io}. minutis : femine apice crassiores articulo ultimo majore : areola radialis angusta elongata parum distincta

Paramesius rufipes, Westw. ♂
Cerapsilon longicornis, Curt. G. ♂ ♀

xx. SPILOMICRUS. Antennæ crassiusculæ, maris articulo 2^{do}. minuto reliquis subæqualibus, feminae ante apicem crassiores articulo ultimo minore quam penultimo : areolæ

Species Ex. gr. delectæ et Synonyma.

alarum oblitteratæ; punctum minutum retro-cuspidatum stigmatis loco

Spilomicrus sericeicornis.
Cerapsilon sericeicornis, Curt. G.
Psilus sericeicornis, Spin. L. L. ?

B. Antennæ feminae 12-articulatæ apice incrassatæ s. clavatæ :

xxiii. GALEsus. Caput elongatum compressum fronte valde productâ tuberculatâ; mandibulæ parallelæ descendentes: labrum longius quam latius: antennæ maris 14-articulatæ: alarum nervi indistincti diffusi.

Galesus cornutus, *Curt. B. E.*
Psilus cornutus, Panz. F. G.

xxii. ANEURRHYNCHUS. Caput haud elongatum: mandibulæ forcipatæ: antennæ maris 14-articulatæ: alæ (ut in Scelione) areolâ radiali elongatâ trigonâ, nervo subcostali a costa remoto

Aneurhynchus galesiformis, *West. ♂*
Mythras faunus, Curt. G. ♂ ♀

xxi. PSILUS. Caput parum elongatum: mandibulæ forcipatæ: areolæ alarum oblitteratæ; punctum minutum callosum loco stigmatis, vel alæ 0.

1. Antennæ maris 14-articulatæ
2. Antennæ maris 14-articulatæ feminae clavâ abruptâ (quadri-) nodi

Psilus elegans, *Jur.*
Diapria verticillata, Latr.
Psilus maritimus, *ined.*

ADD : Familia hæc obscura nimis, discordiâ auctororum exagitata, nec facile serie continuâ explicanda est. Conspicua allatus mihi ipsi minus placet, et aliis ut vereor inconcinrior reputabitur: E quinque stirpibus adumbratis quarta et quinta intimè cognatæ sunt; secunda et simul tertia a reliquis longius recedunt, forsitan vel hæc vel utraque *Evanias* attingens:—*Anteon* (Latr.) *Dryinos* mares conjugibus dispares innuit ni fallor.—*Belyta* (Latr.) et *Cinetus* (Jur.) idem sonant.—*Belyta* (Jur.) *Cinetorum* nonnullas species antennis feminarum brevioribus perfoliatis et areolâ radiali contractâ insignes vel etiam apteras complecti videtur.—*Platymischus* (Westw.) ambiguum anne *Cinetis* attingat an *Psilis*: femina incognitâ interim palpi indicium certissimum

præstare poterunt. — Genera xix—xxiii si melius congrueret forma maxillarum lubenter conjunxissem, generis *Psili* finibus priscis vel restitutis vel auctis.
Bethylorum genus abnorme inter *Oxyuros* jam diutius exulat, quippe cui locum [et familiæ gradum] inter *Hymenoptera Fossoria* vindicant trophi aculeus (venenatus acris) habitus et mores. Conferendæ Generis *Stigmi* species abdomine subsessili, Ex. Gr. *St. Troglodytes*. Vand. Linden.

AUCTORES LAUDATI.

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| Curt. B. E. or E. B. | Curtis' British Entomology. |
| Curt. G. | Curtis' Guide to an Arrangement of Br. Insects. |
| Dalm. A. E. | Dalman. Analecta Entomologica. |
| Dalm. A. H. | Kongl. Svenska Vetenskaps Academiens Handlingar, 1820. (<i>Pteromalini Succieæ a Dalman.</i>) |
| Fall. | Fallen, Specimen Methodi novæ Hymenoptera, &c.— <i>Laudatum in Ichneumologia Europæa.</i> |
| Illig. | Rossi Fauna Etrusca; edente J. C. Illiger. |
| Kirb. | Kirby in the Transactions of the Linnean Society, IV.—V. |
| Nees. B. M. | Gesellschaft Naturforsch: freunde zu Berlin, Magazin v. d. 1811—1816. (Ichneumones adsciti a Nees von Essenbeck.) |
| Nees. A. A. | Acta Nova Phys-med: Academiæ Cæsar: Leopold. Naturæ Curiosorum. (Conspectus Ichneumonum: linea 2 ^{da} , ab eodem)— <i>Laudatum in Ichneumonol. Europ.</i> |

Note. — In a few instances, where it appeared doubtful to which divisions the synonyms in the margin were intended to refer, as we had no means of consulting the author on the subject, we thought it preferable to strike them out altogether, than run the risk of creating any confusion in a paper of such great labour, and such intrinsic value.—Ed.