

THE GENERIC NAMES OF BRITISH INSECTS

PREPARED BY THE
COMMITTEE ON GENERIC NOMENCLATURE
OF
THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON
WITH THE ASSISTANCE OF
THE DEPARTMENT OF ENTOMOLOGY OF THE
BRITISH MUSEUM (NATURAL HISTORY)

Part 5

The generic names of the British Hymenoptera Aculeata,
with a check list of British species

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The Committee on Generic Nomenclature is composed as follows :—

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Royal Entomological Society of London
by the late Professor Raphael Meldola, F.R.S.

COMMITTEE ON GENERIC NOMENCLATURE.

Fifth Report.

THE GENERIC NAMES OF THE BRITISH HYMENOPTERA ACULEATA
WITH A CHECK LIST OF BRITISH SPECIES.

1. WE submit for the consideration of the Council the first report prepared by our Hymenoptera sub-committee. The report, to which is attached an explanatory paper by Dr. O. W. Richards, deals with the generic names of British Hymenoptera Aculeata, and contains a check list of the British species.

2. We recommend :—

- (a) that in accordance with the scheme proposed in our first report, our present report with its enclosures should be published as Part 5 of the work on “the generic names of British insects”;
- (b) that the Council of the Society should address a letter to the Secretary of the International Commission on Zoological Nomenclature relative to the suspension of the rules in the case of the names *Nysson* Latreille, 1802, *Notozus* Förster, 1853, *Methoca* Latreille, 1804, *Ponera* Latreille, 1804, *Formica* Linnaeus, 1758, *Camponotus* Mayr, 1861, *Odynerus* Latreille, 1802, *Diodontus* Curtis, 1834, *Solenius* Lepeletier and Brullé, 1835, *Rhopalum* Stephens, 1829, *Gorytes* Latreille, 1804, *Hoplissus* Lepeletier, 1832, *Harpactus* Shuckard, 1837, *Macropis* Klug in Panzer [1806]–[1809], *Ceratina* Latreille, 1802, *Megachile* Latreille, 1802, *Bombus* Latreille, 1802, *Vespa arvensis* Linnaeus, 1758, *Apis agrorum* Fabricius, 1787 (*nec* Schrank 1781), as recommended in the attached report of the Hymenoptera sub-committee.

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Committee on Generic Nomenclature,
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24th February, 1937.

ANNEX TO FIFTH REPORT OF COMMITTEE ON GENERAL NOMENCLATURE.

First report of the Hymenoptera sub-committee.

THE GENERIC NAMES OF THE BRITISH HYMENOPTERA ACULEATA WITH A CHECK LIST OF THE BRITISH SPECIES.

I. Introductory.

1. At their meeting held on Wednesday, 26th July, 1933, the Committee on Generic Nomenclature appointed a sub-committee on the Hymenoptera with the following terms of reference :—

to prepare a list of specific names to be fixed as genotypes of such of the genera belonging to the Hymenoptera as are represented in the British Fauna, with a view to the suspension, where necessary, of the law of priority in respect of those generic names.

2. The Committee on Generic Nomenclature further instructed the sub-committee on the Hymenoptera as follows :—

- (a) Where a genotype has already been established, the author and reference to his paper should be given.
- (b) In any case where it is considered necessary to suspend the law of priority, the sub-committee should prepare a statement showing (i) what is the actual position under the International Code; (ii) the grounds for recommending such suspension.
- (c) In preparing the above lists, the sub-committee should address themselves in the first instance to generic names in general use (i) that have been recently threatened, or (ii) the current use of which is in doubt.

3. On 24th March, 1934, we received from the Committee on Generic Nomenclature a statement of principles which they had prepared for the guidance of sub-committees in preparing reports, and which they requested us to follow in our work.

4. The sub-committee is constituted as follows :—

Mr. R. B. Benson, M.A.
Dr. C. Ferrière, D.Sc.
Dr. O. W. Richards, M.A., D.Sc.

5. Since our appointment, one of our members, Dr. O. W. Richards, has prepared a list of the generic names of the British Hymenoptera Aculeata with a check list of the British species.

6. We have now received from Dr. Richards the completed lists. We concur in Dr. Richards' conclusions and we attach his paper as an annex to the present report.

7. We recommend :—

that the Committee on Generic Nomenclature should submit our report to the Council of the Royal Entomological Society of London, with a recom-

mendation that they should cause it to be forwarded to the Secretary of the International Commission on Zoological Nomenclature with a covering letter :—

- (a) explaining that the keen desire on the part of British entomologists to promote a greater stability of the scientific nomenclature of species of insects found in Great Britain has led the Council to appoint a Committee on Generic Nomenclature, to explore the whole question;
- (b) stating that the enclosed report by the Hymenoptera sub-committee is the fifth of the reports submitted by the Committee on Generic Nomenclature;
- (c) drawing attention to the recommendations of the Hymenoptera sub-committee in regard to the generic names *Nysson* Latreille, 1802, *Notozus* Förster, 1853, *Methoca* Latreille, 1804, *Ponera* Latreille, 1804, *Formica* Linnaeus, 1758, *Camponotus* Mayr, 1861, *Odynerus* Latreille, 1802, *Diodontus* Curtis, 1834, *Solenius* Lepeletier and Brullé, 1835, *Rhopalum* Stephens, 1829, *Gorytes* Latreille, 1804, *Harpactus* Shuckard, 1837, *Macropis* Klug in Panzer [1806]–[1809], *Hoplissus* Lepeletier, 1832, *Ceratina* Latreille, 1802, *Megachile* Latreille, 1802 and *Bombus* Latreille, 1802, and to the specific names *Vespa arvensis* Linnaeus, 1758, and *Apis agrorum* Fabricius, 1787;
- (d) expressing the hope of the Council (as well as that of the Committee on Generic Nomenclature) that the International Commission on Zoological Nomenclature will at once take such steps as are necessary to enable them to take into consideration the question of preparing Opinions for the partial suspension of the provisions of the International Code of Zoological Nomenclature in regard to the seventeen generic and two specific names referred to in (c) above, in accordance with the recommendations contained in the report of, and for the reasons given by, the Hymenoptera sub-committee of the Society's Committee on Generic Nomenclature.

(Signed) R. B. BENSON.
CH. FERRIÈRE.
O. W. RICHARDS.

British Museum (Natural History),
October, 1936.

II. Request for rulings on points of nomenclature and proposals for the suspension of the Law of Priority.

In a certain number of cases it has been found that a strict adherence to the International Code of Zoological Nomenclature would cause great confusion in taxonomic and bionomic literature. Most of the genera involved are of world-wide distribution and the confusion would be correspondingly serious.

These cases are presented in detail in the following paragraphs.

One genus in which it is requested that an emended spelling be allowed to stand.

(a) NYSSON Latreille.

Latreille (1796, Préc. Car. génér. Ins. : 125) published the genus *Nysso* without included species. In 1802 (Hist. nat. Crust. Ins., 3 : 340), he emended the name to *Nysson* and included two species. In 1810 (Consid. génér. : 438), he fixed one of these species, viz. *Mellinus tricinctus* Fabricius, 1775 = *Sphex spinosa* Forster, 1771, as the type. The emended spelling has universally been used by hymenopterists and the family (or subfamily) name NYSSONIDAE has been founded on it.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred upon them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Nysson* Latreille, 1802 (type *Sphex spinosa* Forster, 1771) is hereby added to the Official List of Generic Names. The name *Nysso* Latreille, 1796, is not to be substituted for it.

Generic names for which it is requested that the Law of Priority be suspended.

(a) NOTOZUS Förster.

We are of the opinion that it is highly undesirable to replace *Notozus* Förster, 1853, by *Elampus* Spinola, 1806. The former generic name (type *Chrysis panzeri* Fabricius, 1805, fixed by Ashmead, 1902, Canad. Ent., 34 : 228) has been in constant use for the last thirty years. During a very much longer period *Elampus* Spinola (in Agassiz' emendation *Ellampus*) has been widely used for the group of species more recently placed in *Omalus* Panzer, 1801. The use of the name *Elampus* for the species now placed in *Notozus* would cause greater confusion than uniformity. Latreille (1810, Consid. génér. : 437), however, fixed the type of *Elampus* as *Chrysis panzeri* Fabricius, 1805.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Notozus* Förster, 1853 (type *Hedychridium spina* Lepeletier, 1806 = *Notozus frivaldskyi* Förster, 1853 = *Chrysis panzeri* Fabricius, 1805) is hereby added to the Official List of Generic Names. The name *Elampus* Spinola, 1806 (with the same type) is therefore not to be substituted for it.

(b) METHOCA Latreille.

Latreille (March 1804, Nouv. Dict. Hist. nat., 24 : 179) published a genus *Methocha* for the single species *Mutilla articulata* Latreille, 1792. Latreille (September 1804, Hist. nat. Crust. Ins., 13 : 268) included two species, *Mutilla articulata* Latreille, 1792 and *Mutilla formicaria* Latreille, 1792. The name of the second

species is preoccupied by *Mutilla formicaria* Linnaeus, 1758. The name *Mutilla articulata*, Latreille changed to *Methoca ichneumonides*, without giving any reasons for the change. There is only a single European species of *Methoca* and there is no certainty as to the identity of *Mutilla formicaria* of Latreille, 1802.

The emended spelling *Methoca* and the specific name *ichneumonides* have been universally accepted by hymenopterists. On the former has been founded the family name METHOCIDÆ, while round the latter a large bionomic literature has accumulated. The use of the spelling *Methocha* and of the specific name *articulata* or the erection of a new generic name for "*Methoca*" in its modern sense would cause far more confusion than uniformity.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Methoca* Latreille, March, 1804 (emend. Latreille, Sept. 1804) (type *Methoca ichneumonides* Latreille, Sept. 1804) is hereby added to the Official List of Generic Names. The spelling *Methocha* Latreille, March 1804 and the specific name *articulata* (Latreille, 1792) are therefore not to be substituted for *Methoca* and *ichneumonides*, respectively.

(c) *PONERA* Latreille.

Latreille (March 1804, Nouv. Dict. Hist. nat., 24 : 179) described the genus *Ponera* for his "Fourmis étranglées." This group was defined in 1802, Hist. nat. Fourmis, where it included, amongst other species, *Formica contracta* Latreille, 1802, and *Formica crassinoda* Latreille, 1802. Latreille (1810, Consid. génér. : 437) cited *Formica crassinoda* as the type. Westwood (1840, Introd. mod. Class. Ins., 2 : synopsis 83) cited *Formica contracta* Latreille, 1802, as the type.

In 1858 (Cat. Hym. Brit. Mus. 6 : 105), F. Smith erected the genus *Pachycondyla* for the species with which *Formica crassinoda* Latreille, 1802, is congeneric. The names *Ponera* Latreille (in the sense of Westwood) and *Pachycondyla* Smith have been universally accepted by hymenopterists and a large bionomic literature has grown up round the former name. Any modification of this practice would cause far greater confusion than uniformity.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Ponera* Latreille, March, 1804 (type *Formica contracta* Latreille, 1802 = *Formica coarctata* Latreille, 1801) be added to the Official List of Generic Names. The designation of *Formica crassinoda* Latreille, 1802, as type of *Ponera* by Latreille (1810) is

therefore to be set aside and the designation of *Formica contracta* Latreille, 1802, by Westwood (1840) to be accepted.

(d) FORMICA Linnaeus and CAMPONOTUS Mayr.

Linnaeus (1758, Syst. Nat. ed. 10a, 1 : 579) founded the genus *Formica* for a number of species of ants, including *Formica rufa* Linnaeus, 1758, and *Formica herculeana* Linnaeus, 1758. Latreille (1810, Consid. génér. : 437) cited the latter species as the type of the genus. This citation is valid although the name *Formica herculeana* is followed by the words "ejusdem *rufa*," indicating that *Formica rufa* was also a member of the genus. Curtis (1839, Brit. Ent. 16 : plate 752) designated *Formica rufa* as the type and his designation has been universally followed by hymenopterists. Meanwhile, *Formica herculeana* is now placed in the genus *Camponotus* Mayr (1861, Europ. Formicid. : 35) (type *Formica ligniperda* Latreille, 1802, by designation of Bingham, 1903, Faun. Brit. India, Hym., 2 : 347).

Camponotus and *Formica* in the generally accepted sense are both very large genera of world-wide distribution and any change in their generic nomenclature would cause great confusion.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The names *Formica* Linnaeus, 1758 (type *Formica rufa* Linnaeus, 1758) and *Camponotus* Mayr, 1861 (type *Formica ligniperda* Latreille, 1802) be added to the Official List of Generic Names. The designation by Latreille (1810) of *Formica herculeana* Linnaeus, 1758, as the type of *Formica* is therefore to be set aside and the designation by Curtis (1839) of *Formica rufa* Linnaeus, 1758, is to be upheld.

(e) ODYNERUS Latreille.

Latreille (1802, Hist. nat. Crust. Ins., 3 : 362) founded the genus *Odynerus* for two supposed species, *Vespa spinipes* Linnaeus, 1758, and for what he termed *Vespa muraria* Linnaeus. Latreille (1804, Sonnini's Buffon, 13 : 347) states that his so-called *Vespa muraria* is the same as the species whose habits are described in detail by Réaumur (1742, Mém. serv. Hist. Ins., 6 : 285, pl. 26). Shuckard (1837, Ann. Mag. nat. Nist., 1 : 493) and Saussure (1852, Monogr. Guepes solit., 1 : 233) show that Réaumur's species was really *Vespa spinipes* Linnaeus. Thus *Odynerus* was effectively monobasic. Bequaert, the foremost living authority on the VESPIDAE, accepts *Vespa spinipes* as the type of *Odynerus* (e.g. 1919, Bull. Amer. Mus. nat. Hist., 39 : 290). Nevertheless, Westwood (1840, Introd. mod. Class. Ins., 2 (synopsis) : 83) cited *Vespa muraria* Linnaeus, 1758, as the type of *Odynerus*. Westwood's action might be regarded as fixing the type, if Latreille's words (and not his meaning) are rigidly construed.

Since Bequaert's works are now the basis of most taxonomic studies in the VESPIDAE, it is very undesirable that his treatment of *Odynerus* should be upset (*Vespa muraria* Linnaeus, 1758, not being congeneric with *Vespa spinipes* Linnaeus, 1758). Such a change in the type of *Odynerus* would tend to cause more confusion than uniformity.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The genus *Odynerus* Latreille, 1802, with type *Vespa spinipes* Linnaeus, 1758, is hereby added to the Official List of Generic Names. The citation by Latreille, 1802, of *Vespa muraria* Linnaeus, 1758, as an original member of *Odynerus* was due to a misidentification and his *Vespa muraria* was in reality the same as *Vespa spinipes*. Westwood's action, therefore, in citing *Vespa muraria* Linnaeus, 1758, as the type of *Odynerus* is not to be treated as a valid type-fixation.

(f) DIODONTUS *Curtis*.

Curtis (1834, Brit. Ent. 11 (124) no. 496 : pl. 496) described a genus *Diodontus* for which he designated as type a species he called *Psen pallipes* Panzer. He gave *Pemphredon tristis* Van der Linden, 1829, as a doubtful synonym of his type-species, but it was later discovered that *P. tristis* Van der Linden was the correct name for his species and that he had misidentified Panzer's species (cf. Shuckard, 1837, Essay Fossor. Hymen. : 184). All European hymenopterists have treated *Pemphredon tristis* Van der Linden as the type of *Diodontus* Curtis.

Rohwer (1915) insisted on taking Curtis' statement literally, and therefore made *Psen pallipes* Panzer, 1798, the type of *Diodontus*, and published a new name, *Xylocelia*, for *Diodontus* of authors. At the time that Rohwer was writing it was thought that *Psen pallipes* Panzer was the same as the species now known as *Trypoxylon atratum* Fabricius, 1805 = *Psenulus atratus* (Fab.). It is now thought (cf. Harttig, 1931, Stett. ent. Ztg. 92 : 206) that *Psen pallipes* Panzer is an unrecognisable species of which even the generic position is uncertain. *Diodontus* (in the sense of European authors) is a well-known genus round which a considerable bionomic and zoo-geographical literature has grown up. The substitution of another generic name for *Diodontus* would cause more confusion than uniformity.

We are therefore of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The genus *Diodontus* Curtis, 1834, with type *Pemphredon tristis* Van der Linden, 1829, is hereby added to the Official List of Generic Names. The fact that Curtis in his original description of his genus erroneously referred to the type-species as *Psen pullipes* Panzer is not to be regarded as fixing the latter species as the type of *Diodontus*.

(g) SOLENIUS Lepeletier and Brullé.

Lepeletier and Brullé (1835, Ann. Soc. ent. France, 3 : 713) founded a genus *Solenius* for a number of species including one which they termed "*Solenius vagus*." In the synonymy of this species they placed *Sphex vaga* Linnaeus and *Crabro vagus* of Fabricius, Panzer, etc. They cited no genotype. Westwood (1839, Introd. mod. Class. Ins., 2 (synopsis) : 80) cited "*Sphex vaga* Linn. Pz. 46.10" as the type.

From Lepeletier and Brullé's description of their *Solenius vagus* it is clear that they had before them the well-known Crabronid (*Solenius continuus* (Fabricius, 1805)) and not the true *Sphex vaga* Linnaeus, 1758 (= *Mellinus arvensis* (Linnaeus, 1758)) [see Richards, 1935]. Therefore, either (a) Westwood was citing as the type a species not originally included, or (b) he was referring to *Sphex vaga* in the sense of authors, not of Linnaeus. His reference to Panzer (1797, Faun. Ins. Germ., 46 : 10) makes it clear that alternative (b) is the correct one.

The genus *Solenius* (including species congeneric with *S. continuus* (Fab.)) has an important bionomic literature attached to it, and it has been made the basis of a subfamily name (SOLENIINAE) by some authors. The substitution of another name for *Solenius* would, in our opinion, cause more confusion than uniformity.

We are therefore of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The genus *Solenius* Lepeletier and Brullé, 1835, with type *Solenius continuus* (Fabricius, 1805) is hereby added to the Official List of Generic Names. The fact that they referred to this species as *Sphex vaga* Linnaeus, 1758, and that Westwood (1839) cited the same species as the genotype is not to be taken as fixing the true *Sphex vaga* Linnaeus as the type, since there is good evidence that they had misidentified Linnaeus' species.

(h) RHOPALUM Stephens and EUPLILIS Risso.

Stephens (1829, Nomencl. Brit. Ins. : 34) described a genus *Rhopalum* and Curtis (1837, Brit. Ent. 14 : pl. 656) fixed the type as *Crabro rufiventris* Panzer, 1799 = *Sphex clavipes* Linnaeus, 1758. Pate (1935, Ent. News, 46 : 246) has recently discovered that Risso described a genus *Euplilis* in 1826 and he has fixed *Sphex clavipes* Linnaeus, 1758, as the type. Risso's genus has apparently not otherwise been noticed since its original publication, whereas *Rhopalum* is a well-known genus on which a sub-

family name has been based. In our opinion the resurrection of the name *Euphilis* and the sinking of the name *Rhopalum* would cause more confusion than uniformity.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Rhopalum* Stephens, 1829 (type *Crabro rufiventris* Panzer, 1799 = *Sphex clavipes* Linnaeus, 1758) be added to the Official List of Generic Names. The name *Euphilis* Risso, 1826, with the same type is therefore to be set aside and to have no status in nomenclature.

(i) GORYTES Latreille and *Hoplisus* Lepeletier.

Latreille (March 1804, Nouv. Dict. Hist. nat., 24 : 180) described a genus *Gorytes*, citing only a single species, *Mellinus quinquecinctus* Fabricius, 1793, which is therefore the type.

Latreille (Sept. 1804, Hist. nat. Crust. Ins., 13 : 308) published another description of *Gorytes*, including this time the species *Sphex mystacea* Linnaeus, 1761. Latreille (1810, Consid. génér. : 438) fixed *Sphex mystacea* Linnaeus, 1761, as the type of the genus, an action in which he has been followed by nearly all hymenopterists.

Lepeletier (1832, Ann. Soc. ent. France, 1 : 61) founded a genus *Hoplisus* (type *Mellinus quinquecinctus* Fabricius, 1793, by designation of Westwood, 1839). The name *Hoplisus* has been universally used as a generic or subgeneric name for the species allied to *Mellinus quinquecinctus*. In our opinion the transference of the name *Gorytes* to the cosmopolitan group now known as *Hoplisus* and the erection of a new name for the group now known as *Gorytes* would cause greater confusion in nomenclature than would a suspension of the rules in the sense indicated above.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The names *Gorytes* Latreille, Sept. 1804 (type *Sphex mystacea* Linnaeus, 1761), and *Hoplisus* Lepeletier, 1832 (type *Mellinus quinquecinctus* Fabricius, 1793) be added to the Official List of Generic Names. The description of *Gorytes* by Latreille (March 1804, Nouv. Dict. Hist. nat., 24 : 180), with type *Mellinus quinquecinctus* Fabricius, 1793, is therefore to be set aside and to have no status in nomenclature.

(j) HARPACTUS Shuckard.

Panzer (1806, Krit. Rev., 2 : 164) and Jurine (1807, Nouv. Meth. Class. Hym.) founded a genus *Arpactus* including amongst

other species *Arpactus campestris* Panzer = *Sphex mystacea* Linnaeus, 1761, which Morice and Durrant (1914, Trans. ent. Soc. London, 1914 : 403) fixed as the type.

Arpactus is thus a synonym of *Gorytes* Latreille, 1804, having the same type. Shuckard (1837, Fossorial Hymen. : 220) cited *Arpactus formosus* Jurine, 1807 = *Mutilla laevis* Latreille, 1792 as type of *Arpactus* Jurine, 1807. At the same time he pointed out that on etymological grounds the generic name should be spelled *Harpactus*. *Harpactus* has since almost universally been used in Shuckard's sense.

Arpactus Jurine, 1807, is invalid, being antedated by *Arpactus* Panzer, 1806. The emended form *Harpactus* is therefore also invalid, but in view of the very general acceptance of the name in its emended form, the introduction of a new generic name for *A. formosus* Jurine would clearly lead to greater confusion than uniformity.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred upon them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect:—

Shuckard (1837, Fossorial Hymen. : 220) shall be deemed to have published a new generic name *Harpactus* and to have specified *Arpactus formosus* Jurine, 1807 (= *Mutilla laevis* Latreille, 1792) as its type. The generic name *Harpactus* Shuckard, 1837, as defined in this Opinion, is hereby added to the Official List of Generic Names.

(k) *MACROPIS* Klug in Panzer.

Klug (*in* Panzer, [1806]–[1809], Faun. Ins. Germ., 109 : fig. 16) founded the genus *Macropis* on the single species *Megilla labiata* Fabricius, 1805. *Macropis* is a very distinct genus round which a considerable bionomic and zoo-geographical literature has grown up.

Fabricius (1805, Syst. Piez. : 328), however, founded a composite genus *Megilla* of which Westwood (1840, Introd. Mod. Class. Ins., 2 : synopsis, 158) fixed the type as *M. labiata* Fabricius, 1805, thus making *Macropis* Klug a synonym of *Megilla* Fab.

Richards (1935, Trans. R. ent. Soc. Lond., 83 : 172), overlooking Westwood's type-fixation, chose *Apis acervorum* Linnaeus, 1758, as the type, thus making *Megilla* Fabricius a synonym of *Anthophora* Latreille, 1803.

In our opinion the substitution of the name *Megilla* for *Macropis* would cause far more confusion than uniformity.

The easiest way of getting over this difficulty would be for the International Commission to set aside Westwood's designation of *Megilla labiata* Fab. as the type of *Megilla* Fab., since Richards' action in 1935 would thus become valid, and *Megilla* Fab. would sink as a synonym as explained above.

We are of the opinion that it is highly desirable that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Macropis* Klug in Panzer, [1806]–[1809] (type *Megilla labiata* Fabricius, 1805) be added to the Official List of Generic Names. The type of *Megilla* Fabricius, 1805 (Syst. Piez. : 328) shall be deemed to be *Apis acervorum* Linnaeus, 1758 (Syst. Nat. (ed. 10) 1 : 579), notwithstanding the action of Westwood (1840, Introd. mod. Class. Ins., 2 : synopsis, 158) in designating *Megilla labiata* Fabricius as the type of that genus.

(l) CERATINA Latreille and CLAVICERA Latreille.

Latreille (April 1802,* Hist. nat. Fourmis : 432) published the genus *Clavicera* for *Hylaeus albilabris* Fabricius, 1793 = *Apis cucurbitina* Rossi, 1792. The name *Clavicera*, in this sense, has only once been used again, by Walckenaer (July–Sept. 1802).

Latreille (May–July, 1802, Hist. nat. Crust. Ins., 3 : 380), without any explanation, published the genus *Ceratina* to contain the same species. The name *Ceratina* has been universally accepted by hymenopterists and forms the basis of a family (or subfamily) name. In our opinion the substitution of the name *Clavicera* for *Ceratina* would cause far more confusion than uniformity.

We are of the opinion that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Ceratina* Latreille, May–July, 1802 (type *Hylaeus albilabris* Fabricius, 1793 = *Apis cucurbitina* Rossi, 1792) be added to the Official List of Generic Names. The name *Clavicera* Latreille, April 1802 (with the same type) is therefore to be set aside and to have no status in nomenclature.

(m) MEGACHILE Latreille.

Latreille (1802, Hist. nat. Fourmis : 434) published the genus *Megachile*, including a number of species. Latreille (1810, Consid. génér. : 439) fixed the type as *Apis muraria* Retzius, 1783, though the name of the type-species was followed by certain other names (including *Apis centuncularis* Linnaeus, 1758), prefixed by the word “*ejusdem*.”

Curtis (1828, Brit. Ent., 5 : plate 218) designated *Apis centuncularis* Linnaeus, 1758, as the type of *Megachile*.

Lepeletier (1841, Hist. nat. Ins. Hymén., 2 : 309) described a

* For the dates of these publications see Richards (1935, Trans. R. ent. Soc. Lond., 83 : 174).

genus *Chalicodoma* of which the type was fixed by Girard (1879, *Traité d'Ent.*, 2 : 778) as *Apis muraria* Retzius, 1783.*

Hymenopterists have almost universally used the generic name *Chalicodoma* for *Apis muraria* and its allies and *Megachile* for *Apis centuncularis* and its allies. A large literature, both taxonomic and bionomic, has grown up round this usage. The two groups are generically distinct, or, at least, form very distinct subgenera. In our opinion the transference of the name *Megachile* to the group of which *Apis muraria* Retzius, 1783, is the type would cause far more confusion than uniformity. If the type-fixation of Latreille (1810) were set aside and that of Curtis (1828) upheld, this difficulty would be avoided.

We are therefore of the opinion that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Megachile* Latreille (type *Apis centuncularis* Linnaeus, 1758) be added to the Official List of Generic Names. The designation by Latreille (1810, *Consid. génér.* : 439) of *Apis muraria* Retzius, 1783,* as the type is, therefore, to be set aside and the designation by Curtis (1828, *Brit. Ent.*, 5 : plate 218) of *Apis centuncularis* Linnaeus, 1759, is to be upheld.

(n) BOMBUS Latreille and BREMUS Panzer.

Latreille (1802, *Hist. nat. Fourmis* : 437) founded the monobasic genus *Bombus*, type *Apis terrestris* Linnaeus, 1758.

Panzer (1801, *Faun. Ins. Germ.*, 85 : plates 19–21) published the genus *Bremus* and included three species, *Bremus fasciatus* (= *Apis terrestris* Linnaeus, 1758), *Bremus agrorum* (= *Apis agrorum* Fabricius, 1787) and *Bremus silvarum* (= *Apis silvarum* Linnaeus, 1758). Morice and Durrant (1914, *Trans. ent. Soc. London*, 1914 : 429) fixed the type of *Bremus* as *Apis terrestris* Linnaeus.

Hymenopterists have almost universally employed the generic name *Bombus*, except that since 1914 most American authors have adopted the name *Bremus* Panzer-Jurine, 1801 (*Intelligenzblatt der Literatur-Zeitung*, Erlangen : 160–165, i.e. the Erlangen List).

In view of the extensive literature associated with the name *Bombus*, we are of the opinion that the adoption of the name *Bremus* would cause more confusion than uniformity.

We are of the opinion that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon

* There appears to be some doubt as to the real identity of the bee described by Retzius as *Apis muraria*. Until this question is settled, it is suggested that the bee referred to above be regarded as *Chalicodoma muraria* Lepeletier (1841, *Hist. nat. Ins. Hym.*, 2 : 309). The position of the genera *Megachile* and *Chalicodoma* is not affected by the name ultimately shown to be the right one for *C. muraria*.

as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The name *Bombus* Latreille, 1802 (type *Apis terrestris* Linnaeus, 1758) be added to the Official List of Generic Names. The name *Bremus* Panzer, 1801 (with the same type) is to be set aside and have no status in nomenclature.

Specific names for which it is requested that the Law of Priority be suspended.

- (a) VESPA ARVENSIS Linnaeus, 1758 : 573. vs. SPHEX VAGA Linnaeus, 1758 : 571.

In the *Systema Naturae*, ed. 10, 1, Linnaeus described a *Vespa arvensis* and a *Sphex vaga*. Richards (1935, Trans. R. ent. Soc. Lond., 83 : 169) has recently examined the types of these species and has shown that they are the female and male respectively of the species commonly known as *Mellinus arvensis* (L.) (SPHECIDAE, subfamily MELLININAE). Hitherto *Sphex vaga* Linnaeus has been used as the name of a common species of *Solenius* (SPHECIDAE, subfamily CRABRONINAE). Under the name of *Crabro vagus* or *Solenius vagus* a large literature has grown up around this species, which must in future be known as *Solenius continuus* (Fabricius, 1805).

In our opinion to replace the specific name *arvensis* by the specific name *vagus* would cause more confusion than uniformity and would, in particular, render a large bionomic literature much more difficult of access.

We are of the opinion that in the exercise of the plenary power conferred on them by the International Zoological Congress, the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect :—

The Law of Priority be suspended in the case of *Sphex vagus* Linnaeus (1758, Syst. Nat., ed. 10, 1 : 571), the use of the name *Vespa arvensis* Linnaeus (1758, Syst. Nat., ed. 10, 1 : 573) being allowed to continue in use for the species commonly known as *Mellinus arvensis* (Linnaeus).

- (b) APIS AGRORUM Fabricius, 1787. vs. APIS AGRORUM Schrank, 1781.

Fabricius (1787, Mant. Insect., 1 : 301) described as *Apis agrorum* a species which is common over the whole of Europe and Western Asia.

The specific name has been used as the basis of a subgenus, *Agrobombus* Vogt, 1911. There is a very large literature, both bionomic and zoo-geographical, associated with the name *B. agrorum* (Fabricius).

Unfortunately Schrank (1781, Enum. Insect. Austr. : 397) had already described an *Apis agrorum*, antedating Fabricius' species by six years. Schrank's species is also a *Bombus*, but cannot certainly be recognised as to species; it may be the species now known as *Bombus distinguendus* Morawitz, 1869.

In our opinion, the replacement of the name *Bombus agrorum* (Fabricius, 1787) by any other name would cause more confusion than uniformity.

We are of the opinion that in the exercise of the plenary power conferred on them by the International Zoological Congress the International Commission on Zoological Nomenclature should as soon as possible take the steps laid down by the Congress for the promulgation of an Opinion to the following effect:—

The Law of Priority be suspended in the case of *Apis agrorum* Schrank (1781, Enum. Insect. Austr. : 397), the use of the name *Apis agrorum* Fabricius (1787, Mant. Insect., 1 : 301) being allowed to continue for the species commonly known as *Bombus agrorum* (Fabricius) (*e.g.* as defined by Saunders, 1896, Hym. Acul. Brit. Islands : 367).

III. A check list of the British Hymenoptera Aculeata.

References to books and papers necessary for the identification of British species have been placed immediately after the group to which they refer. Thus a reference to Saunders' work (1896), which deals with the greater part of the British fauna, will be found after the names of the families included in his work. Papers dealing with a single genus or species only are mentioned beneath the genus or species concerned. In all cases, where the name used differs from that used by Saunders (1896), the synonymy is indicated. Names followed by the authority "E. Saunders" without a date are synonyms of this sort; where the authority "E. Saunders" is followed by a date, the species is one actually described by E. Saunders.

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In the family DRYINIDAE much synonymy has been published recently by Richards (1935, 1936). The full synonymy of the species of this family has therefore been omitted.

Explanation of Signs.

- † = British record doubtful.
* = Introduced species.

Check list of the British Hymenoptera Aculeata.

DRYINIDAE

Kieffer, 1914, *Das Tierreich*, **41**, Bethyridae, Berlin
Richards, 1935, *Trans. R. ent. Soc. Lond.*, **83** : 144-156
Richards, 1936, *Proc. R. ent. Soc. Lond.*, (B) **5** : 169-73
Richards, 1936, *Ann. Mag. nat. Hist.*, (10) **18** : 463-67

1. *Dryinus* Latreille, 1805

1. *formicarius* Latreille, 1805.

2. *Dicondylus* Curtis, 1829-30

2. *bicolor* (Haliday in Curtis, 1828).
3. *distinctus* (Kieffer, 1906).
4. *striatus* (Kieffer, 1905).
5. *oratorius* (Westwood, 1833).
6. *vitripennis* (Haliday, 1833).
7. *excisus* (Westwood, 1833).

3. *Gonatopus* Ljungh, 1810

8. *ljunghii* Westwood, 1833.
9. *sociabilis* Kieffer, 1907.
10. *marshalli* Kieffer, 1905.
11. *myrmecophilus* Kieffer, 1905.
12. *distinguendus* Kieffer, 1905.
13. *sepsoides* Westwood, 1833.

4. *Anteon* Jurine, 1807

Chitty, 1908, *Ent. mon. Mag.*, **44** : 141-6, 209-15

14. *otiartes* (Walker, 1837).
15. *cursor* (Haliday in Curtis, 1828).
16. *barbatum* Chitty, 1908.
17. *arcuatum* Kieffer, 1905.
18. *unicarinatum* Kieffer, 1906.
19. *flavicorne* (Dalman, 1818).
- †20. *maculipennis* Kieffer, 1908.
21. *rufulocolle* Chitty, 1908.
22. *lyde* (Walker, 1837).
23. *alorus* (Walker, 1837).
24. *triangulare* Kieffer, 1905.
25. *breviventrale* Chitty, 1908.
26. *triviale* Kieffer, 1905.
27. *neglectum* Kieffer, 1906.
suffolciense Chitty, 1908.
28. *penidas* (Walker, 1837).
29. *nanum* (Haliday in Walker, 1837).

5. *Chelogynus* Haliday, 1838

Richards, 1935, *Trans. R. ent. Soc. Lond.*, **83** : 143-76

30. *kiefferi* (Chitty, 1908).
31. *tricarinatus* (Kieffer, 1906).
32. *longiforceps* (Kieffer, 1905).
carinatus (Kieffer, 1905).
33. *infectus* (Haliday in Walker, 1837).
inclutus (Haliday in Walker, 1837).
fusiformis (Kieffer, 1905).
ellimani (Chitty, 1908).
34. *gaullei* (Kieffer, 1905).
35. *berlandi* Richards, 1936.
angusticollis Berland, 1928, *nec* Ogloblin, 1924. Richards, 1936, *Proc. R. ent. Soc. Lond.*, (B) **5** : 169.
36. *cameroni* (Kieffer, 1905).
37. *lucidus* (Haliday in Curtis, 1828).

- 38. *claricollis* (Kieffer, 1906).
- 39. *longitarsis* (Kieffer, 1906).
- 40. *brevifilis* (Kieffer, 1906).
- 41. *scapularis* (Haliday in Walker, 1837).
- 42. *fulviventris* (Haliday in Curtis, 1828).
- 43. *alutaceus* Richards, 1935.
- †44. *brevicornis* (Dalman, 1818).

6. *Mystrophorus* Förster, 1856

- 45. *subapterus* (Kieffer, 1905).

7. *Prenanteon* Kieffer, 1913

Richards, 1935, *Trans. R. ent. Soc. Lond.*, **83** : 143-76

- 46. *melanocerus* (Kieffer, 1905).
- 47. *crassiscapus* (Kieffer, 1905).
- 48. *vitellinipes* (Kieffer, 1905).
- longifilis* (Kieffer, 1906).
- 49. *försteri* (Kieffer, 1905).
- 50. *procericornis* (Kieffer, 1905).
- halidayi* (Kieffer, 1906).
- 51. *longicornis* (Dalman, 1823).
- 52. *crassimanus* (Haliday in Curtis, 1828).
- 53. *luteipes* (Kieffer, 1905).
- 54. *pallidinervis* (Kieffer, 1905).
- 55. *morleyi* (Chitty, 1908).
- 56. *daos* (Walker, 1837).
- 57. *parcepunctatus* Kieffer, 1914.
- 58. *misor* (Walker, 1837).
- 59. *parvicollis* (Kieffer, 1905).
- 60. *fractinervis* (Kieffer, 1905).
- 61. *ilus* (Walker, 1837).
- 62. *curvinervis* (Kieffer, 1905).
- 63. *luffnessensis* (Chitty, 1908).
- 64. *hyalinipennis* (Kieffer, 1905).
- 65. *beaumonti* (Chitty, 1908).

8. *Psilanteon* Kieffer, 1913

- 66. *aequalis* (Kieffer, 1905).

9. *Aphelopus* Dalman, 1823

- 67. *nigriceps* (Kieffer, 1905).
- 68. *carinatus* (Kieffer, 1905).
- 69. *melaleucus* (Dalman, 1818).
- 70. *atratus* Dalman, 1823.
- 71. *indivisus* (Kieffer, 1905).

EMBOLEMIDAE

Kieffer, 1914, *Das Tierreich*, **41**, Bethylidae, Berlin

Richards, 1936, *Proc. R. ent. Soc. Lond.*, (B) **5** : 170

1. *Embolemus* Westwood, 1833

- 1. *ruddii* Westwood, 1833.
- rufescens* (Westwood, 1833).

BETHYLIDAE

Kieffer, 1914, *Das Tierreich*, **41**, Bethylidae, Berlin

1. *Cephalonomia* Westwood, 1833

- *1. *tarsalis* (Ashmead, 1893).
carinata (Kieffer, 1907).
Gahan, 1931, *J. Wash. Acad. Sci.*, **21** : 213–21, 9 figs.
- *2. *waterstoni* Gahan, 1931.
- 3. *brevipennis* Kieffer, 1906.
- 4. *formiciformis* Westwood, 1833.
- 5. *mycetophila* Kieffer, 1906.

2. *Epyris* Westwood, 1832

- 6. *niger* Westwood, 1832.
- 7. *brevipennis* Kieffer, 1906.
- 8. *fraternus* Westwood, 1874.
saevus Westwood, 1874.

3. *Rhabdepyris* Kieffer, 1904

- *9. *zeae* Turner and Waterston, 1921.
Waterston, 1921, *Rep. Grain Pests (War) Comm.*, **9** : 8–32, 15 figs.

4. *Holepyris* Kieffer, 1904

- *10. *hawaiiensis* (Ashmead, 1901).

5. *Plastanoxus* Kieffer, 1905

- *11. *westwoodi* (Kieffer, 1914).
Gahan, 1931, *J. Wash. Acad. Sci.*, **21** : 213–21, 9 figs.

6. *Pristocera* Klug, 1808

- 12. *depressa* (Fabricius, 1805).
- 13. *tricolor* (Cameron, 1888).

7. *Pseudisobrachium* Kieffer, 1904

- 14. *carpentieri* Kieffer, 1906.
- 15. *subcyaneum* (Haliday, 1838).
- 16. *cantianum* Chitty, 1906.

8. *Goniozus* Förster, 1856

- 17. *claripennis* (Förster, 1851).

9. *Bethylus* Latreille, 1802

- 18. *cephalotes* (Förster, 1860).
- 19. *fuscicornis* (Jurine, 1807).
syngenesiae Haliday, 1834.
fulvicornis Curtis, 1838.
mandibularis Kieffer, 1904.
- 20. *hyalinus* (Marshall, 1874).

CLEPTIDAE

Morice, 1900, *Ent. mon. Mag.*, **36** : 129–311. *Cleptes* Latreille, 1802

1. *semiaurata* (Linnaeus, 1761).
 pallipes Lepeletier, 1805.
2. *nitidula* (Fabricius, 1793).

CHRYSIDIDAE

Morice, 1900, *Ent. mon. Mag.*, **36** : 129–31Trautmann, [1927], *Die Goldwespen Europas*, Weimar1. *Notozus* Förster, 1853

1. *constrictus* Förster, 1853.
 panzeri auctt. nec (Fabricius).

2. *Omalus* Panzer, 1801

2. *truncatus* Dahlbom, 1831.
3. *aeneus* (Fabricius, 1787).
4. *auratus* (Linnaeus, 1758).
5. *violaceus* (Scopoli, 1763).
 coeruleus Dahlbom, 1854.

3. *Hedychrum* Latreille, 1802

6. *nobile* (Scopoli, 1763).
7. *intermedium* Dahlbom, 1845.
 rutilans Dahlbom, 1854.

4. *Holopyga* Dahlbom, 1845

8. *gloriosa* (Fabricius, 1793).

5. *Hedychridium* Abeille, 1878

9. *roseum* (Rossi, 1790).
10. *integrum* (Dahlbom, 1831).
11. *coriaceum* (Dahlbom, 1854).
12. *ardens* (Latreille in Coquebert, 1801).
 minutum Lepeletier, 1806.

6. *Spintharis* Klug, 1845

13. *neglecta* (Shuckard, 1836).

7. *Chrysis* Linnaeus, 1761

14. *pustulosa* Abeille, 1878
15. *hirsuta* Gerstaecker, 1869.
 osmia Thomson, 1870.
16. *cyanea* (Linnaeus, 1758).
17. *ignita* (Linnaeus, 1758).
18. *ruddii* Shuckard, 1836.
19. *succincta* Linnaeus, 1767.
20. *viridula* Linnaeus, 1761.
21. *fulgida* Linnaeus, 1761.

TIPHIIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 49

1. *Tiphia* Fabricius, 1775

1. *femorata* Fabricius, 1775.
2. *minuta* Van der Linden, 1827.

SAPYGIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 51

1. *Sapyga* Latreille, 1796

1. *quinquepunctata* (Fabricius, 1781).
2. *clavicornis* (Linnaeus, 1758).

METHOCIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 48

1. *Methoca* Latreille, 1804

1. *ichneumonides* Latreille (1804).

MYRMOSIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 47

1. *Myrmosa* Latreille, 1796

1. *atra* Panzer, 1801.
melanocephala (Fabricius, 1793 *nec* Schrank, 1781).

MUTILLIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 44

1. *Mutilla* Linnaeus, 1758

1. *europaea* Linnaeus, 1758.
2. *Smicromyrme* Thomson, 1870
2. *rufipes* (Fabricius, 1787).

FORMICIDAE

Donisthorpe, 1927, *British Ants.* 2nd ed.

1. *Ponera* Latreille, 1804

1. *coarctata* (Latreille, 1801).
contracta (Latreille, 1802).
- *2. *punctatissima* Roger, 1859.
2. *Myrmecina* Curtis, 1829
3. *graminicola* (Latreille, 1802).
latreillei Curtis, 1829.

3. *Formicoxenus* Mayr, 1855
4. *nitidulus* (Nylander, 1846).
4. *Anergates* Forel, 1874
5. *atratus* (Schenck, 1852).
5. *Monomorium* Mayr, 1855
- *6. *pharaonis* (Linnaeus, 1758).
6. *Solenopsis* Westwood, 1840
7. *fugax* (Latreille, 1798).
7. *Myrmica* Latreille, 1804
8. *laevinodis* Nylander, 1846.
9. *ruginodis* Nylander, 1846.
10. *sulcinodis* Nylander, 1846.
11. *scabrinodis* Nylander, 1846.
sabuleti Meinert, 1861.
12. *lobicornis* Nylander, 1846.
13. *schencki* Emery, 1895.
8. *Stenamma* Westwood, 1840
14. *westwoodii* Westwood, 1840.
9. *Leptothorax* Mayr, 1855
15. *acervorum* (Fabricius, 1793).
16. *nylanderi* (Förster, 1850).
17. *corticalis* (Schenck, 1852).
18. *tuberum* (Fabricius, 1775).
19. *interruptus* (Schenck, 1852).
10. *Strongylognathus* Mayr, 1853
- Donisthorpe, 1936, *Ent. mon. Mag.*, **72** : 111-15
20. *diveri* Donisthorpe, 1936.
11. *Tetramorium* Mayr, 1855
21. *caespitum* (Linnaeus, 1758).
12. *Tapinoma* Förster, 1850
22. *erraticum* (Latreille, 1798).
13. *Lasius* Fabricius, 1805
23. *fuliginosus* (Latreille, 1798).
24. *niger* (Linnaeus, 1758).
25. *alienus* (Förster, 1850).
26. *brunneus* (Latreille, 1798).
27. *flavus* (Fabricius, 1781).
28. *umbratus* (Nylander, 1846).
29. *mixtus* (Nylander, 1846).

14. *Formica* Linnaeus, 1758

- 30. *rufa* Linnaeus, 1758.
- 31. *pratensis* Retzius, 1783.
- 32. *exsecta* Nylander, 1846.
- 33. *sanguinea* Latreille, 1798.
- 34. *fusca* Linnaeus, 1758.
 glebaria Nylander, 1846.
- 35. *rufibarbis* Fabricius, 1793.
- 36. *picea* Nylander, 1846 *nec* Leach, 1825.*

POMPILIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 53
 Perkins, 1920, *Ent. mon. Mag.*, **56** : 32-8
 Haupt, 1927, *Deuts. ent. Z.*, **1926-7**, Beiheft, 367 pp., 155 figs.

1. *Cryptocheilus* Panzer, 1806

- 1. *affinis* (Van der Linden, 1827).

2. *Priocnemis* Schiödte, 1837

Perkins, 1929, *Ent. mon. Mag.*, **65** : 54-8
 Spooner, 1932, *Ent. mon. Mag.*, **68** : 2-7

- 2. *perturbator* (Harris, 1776).
 fuscus auctt. *nec* Linnaeus.
- 3. *coriaceus* Dahlbom, 1844.
 Richards, 1934, *Ent. mon. Mag.*, **70** : 114-16.
- 4. *minor* (Zetterstedt, 1838).
 parvulus Dahlbom, 1845.
- 5. *exaltatus* (Fabricius, 1775).
- 6. *femoralis* (Dahlbom, 1839).
 notatulus (E. Saunders, 1893).
- 7. *obtusiventris* Schiödte, 1837.
- 8. *cordivalvatus* Haupt, 1927.
- 9. *pusillus* Schiödte, 1837.
- 10. *gracilis* Haupt, 1927.
- 11. *schiodtei* Haupt, 1927.
- 12. *propinquus* (Lepeletier, 1845).

3. *Calicurgus* Lepeletier, 1845

- 13. *hyalinatus* (Fabricius, 1793).

4. *Deuteraenia* Šustera, 1912

Perkins, 1930, *Ent. mon. Mag.*, **66** : 52-8

- 14. *hircana* (Fabricius, 1798).
- 15. *variegata* (Linnaeus, 1758).
- 16. *intermedia* (Dahlbom, 1844).

5. *Pseudagenia* Kohl, 1885

- 17. *carbonaria* (Scopoli, 1763).

* See p. 125.

6. *Pompilus* Fabricius, 1798

- 18. *plumbeus* Fabricius, 1787.
- 19. *sericeus* Van der Linden, 1827.
- 20. *cinctellus* Spinola, 1808.
- 21. *minutulus* Dahlbom, 1842.
 minutus Dahlbom, 1829 *nec* Van der Linden, 1827.
- 22. *spissus* Schiödte, 1837.
- 23. *unguicularis* Thomson, 1870.
- 24. *trivialis* Dahlbom, 1844.
 gibbus Fabricius *nec* Linnaeus.
- 25. *wesmaeli* Thomson, 1870.
- 26. *consobrinus* Dahlbom, 1844.
- 27. *crassicornis* Shuckard, 1837.
 campestris Wesmael, 1851.
 pectinipes auctt. *nec* Linnaeus.

7. *Evagetes* Lepeletier, 1845

- 28. *dubius* (Van der Linden, 1827).
 bicolor Lepeletier.

8. *Anoplius* Dufour, 1834

- 29. *fuscus* (Linnaeus, 1761).
 viaticus auctt. *nec* Linnaeus.
- 30. *infuscatus* (Van der Linden, 1827).
 chalybeatus (Schiödte, 1837).
- 31. *nigerrimus* (Scopoli, 1763).
 niger auctt.
- 32. *concinus* (Dahlbom, 1845).
 approximatus (Smith, 1877).
- 33. *pilicentris* (Morawitz, 1889).
 cardui Perkins, 1917.

9. *Episyron* Schiödte, 1837

- 34. *rufipes* (Linnaeus, 1758).

10. *Aporus* Spinola, 1808

- 35. *unicolor* Spinola, 1808.

11. *Homonotus* Dahlbom, 1845

- 36. *sanguinolentus* (Fabricius, 1793).

12. *Ceropales* Latreille, 1796

- 37. *variegata* (Fabricius, 1798).
- 38. *maculata* (Fabricius, 1775).

VESPIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 149

Berland, 1928, *Faune de France*, **19**, *Hymén. Vespiformes*, II, Paris

1. *Eumenes* Latreille, 1802

- 1. *coarctata* (Linnaeus, 1758).

2. *Odynerus* Latreille, 1802

2. *spinipes* (Linnaeus, 1758).
3. *melanocephalus* (Gmelin, 1790).
4. *reniformis* (Gmelin, 1790).
5. *simillimus* Morawitz, 1867.
Saunders, 1903, *Ent. mon. Mag.*, **39** : 6-7.
6. *laevipes* Shuckard, 1837.

3. *Pseudepipona* Saussure, 1856

7. *quadrifasciata* (Fabricius, 1793).
tomentosa (Thomson, 1870).
8. *herrichii* Saussure, 1856.
basalis (Smith, 1857).

4. *Ancistrocerus* Wesmael, 1836

9. *callosus* (Thomson, 1870).
10. *parietum* (Linnaeus, 1758).
11. *pictus* (Curtis, 1826).
oviventris (Wesmael, 1836).
12. *trimarginatus* (Zetterstedt, 1838).
trifasciatus (Fabricius, 1787 *nec* O. F. Müller, 1776).
13. *albotricinctus* (Zetterstedt, 1838).
trimarginatus auctt. *nec* Zetterstedt.
14. *parietinus* (Linnaeus, 1761).
15. *antilope* (Panzer, 1798).

5. *Symmorphus* Wesmael, 1836

16. *crassicornis* (Panzer, 1798).
17. *elegans* (Wesmael, 1833).
? gracilis (Brullé, 1832).
18. *sinuatissimus* Richards, 1935.
sinuatus (Fabricius, 1793 *nec* Geoffroy, 1785).
19. *bifasciatus* (Linnaeus, 1761).

6. *Microdynerus* Thomson, 1874

20. *exilis* (Herrich-Schäffer, 1839).

7. *Vespa* Linnaeus, 1758

21. *crabro* (Linnaeus, 1758).
gribodoi Bequaert, 1931.

8. *Vespula* Thomson, 1869

22. *vulgaris* (Linnaeus, 1758).
23. *germanica* (Fabricius, 1793).
24. *rufa* (Linnaeus, 1758).
25. *austriaca* (Panzer, 1799).
arborea (Smith, 1849).
26. *sylvestris* (Scopoli, 1763).
27. *norwegica* (Fabricius, 1781).

SPHECIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 75

1. *Astata* Latreille, 1796
 1. *boops* (Schrank, 1781).
 2. *stigma* (Klug in Panzer, 1806-9).
2. *Tachysphex* Kohl, 1883
 3. *nitidus* (Spinola, 1805).
unicolor (Panzer, 1806-9).
 4. *pompiliiformis* (Panzer, 1803).
pectinipes auctt. nec Linnaeus.
 5. *laticlavus* (Thomson, 1870).
3. *Dinetus* Panzer, 1806
 6. *pictus* (Fabricius, 1793).
4. *Miscophus* Jurine, 1807
 7. *concolor* Dahlbom, 1844.
 8. *maritimus* Smith, 1858.
5. *Trypoxylon* Latreille, 1796
 9. *figulus* (Linnaeus, 1758).
 10. *clavicerum* Lepeletier, 1828.
 11. *attenuatum* Smith, 1851.
6. *Ammophila* Kirby, 1798
 12. *sabulosa* (Linnaeus, 1758).
 13. *campestris* Latreille, 1809.
7. *Podalonia* Spinola, 1853
 14. *viatica* (Linnaeus, 1758).
hirsuta (Scopoli, 1763).
 15. *affinis* (Kirby, 1798).
lutaria (auctt., ? Fabricius, 1787).
8. *Spilomena* Shuckard, 1838
 16. *troglodytes* (Van der Linden, 1829).
9. *Stigmus* Panzer, 1801-2
 17. *solskyi* Morawitz, 1864.
10. *Pemphredon* Latreille, 1796
 18. *lugubris* (Fabricius, 1793).
11. *Cemonus* Panzer, 1806
 19. *shuckardi* Morawitz, 1864.
 20. *rugifer* Dahlbom, 1844.
 21. *wesmaeli* Morawitz, 1864.
 22. *scoticus* (Perkins, 1929).
 23. *lethifer* Shuckard, 1837.

Perkins, 1929, *Ent. mon. Mag.*, **65** : 52-8Blüthgen, 1931, *Konowia*, **10** : 121-9

12. *Ceratophorus* Shuckard, 1837

24. *morio* (Van der Linden, 1829).
carinatus (Thomson, 1870).
 25. *clypealis* (Thomson, 1870).

13. *Diodontus* Curtis, 1834

26. *minutus* (Fabricius, 1793).
 27. *friesei* Kohl, 1901.
 Saunders, 1910, *Ent. mon. Mag.*, **46** : 10-12.
 28. *luperus* Shuckard, 1837.
 29. *tristis* (Van der Linden, 1829).

14. *Passaloecus* Shuckard, 1837

30. *corniger* Shuckard, 1837.
 31. *insignis* (Van der Linden, 1829).
turionum Dahlbom, 1844.
brevicornis Morawitz, 1864.
 32. *gracilis* (Curtis, 1834).
tenuis Morawitz, 1864.
 33. *monilicornis* Dahlbom, 1842.

15. *Mimesa* Shuckard, 1837

34. *shuckardi* Wesmael, 1852.
 35. *equestris* (Fabricius, 1805).
bicolor (Jurine, 1807).
 36. *rufa* (Panzer, 1805).
equestris auctt. nec Fabricius.
 37. *unicolor* (Van der Linden, 1829).
 38. *dahlbomi* Wesmael, 1852.

16. *Psen* Latreille, 1796

39. *ater* (Fabricius, 1794).

17. *Psenulus* Kohl, 1896

40. *atratus* (Fabricius, 1805).
pallipes auctt., ? nec Panzer.
rubicola Harttig, 1931.
 41. *concolor* (Dahlbom, 1844).
 Saunders, 1906, *Ent. mon. Mag.*, **42** : 151-5.

18. *Oxybelus* Latreille, 1796

Morice, 1917, *Ent. mon. Mag.*, **53** : 238-44, 271-5

42. *uniglumis* (Linnaeus, 1758).
 43. *sericatus* Gerstaecker, 1867.
mandibularis E. Saunders, ? nec Dahlbom, 1844.
 44. *argentatus* Curtis, 1833.
mucronatus E. Saunders.

19. *Crabro* Fabricius, 1775

Perkins, 1913, *Trans. ent. Soc. Lond.*, **1913** : 383-98, 1 pl.

[N.B. This paper is available for genera 19-34 inclusive (except 29).]

45. *cribrarius* (Linnaeus, 1758).
 46. *scutellatus* (Scheven, 1781).
 47. *peltarius* (Schreber, 1784).

20. *Coelocrabro* Thomson, 1874

48. *leucostomoides* Richards, 1935.
leucostomus auctt. nec Linnaeus.
 49. *pubescens* (Shuckard, 1837).
? nigratus (Lepeletier and Brullé, 1835).
inermis (Thomson, 1870).
 50. *cetratus* (Shuckard, 1837).
 51. *capitosus* (Shuckard, 1837).
 52. *styrius* (Kohl, 1892).
 53. *ambiguus* (Dahlbom, 1842).
? gonager (Lepeletier and Brullé, 1835).
 54. *walkeri* (Shuckard, 1837).
? aphidum (Lepeletier and Brullé, 1835).
 55. *leucostomus* (Linnaeus, 1758).
carbonarius (Dahlbom, 1838).

21. *Ablepharipus* Perkins, 1913

56. *podagricus* (Van der Linden, 1829).

22. *Crossocerus* Lepeletier and Brullé, 1835

57. *tarsatus* (Shuckard, 1837).
palmipes auctt. nec Linnaeus.
 58. *palmipes* (Linnaeus, 1767).
palmarius (Schreber, 1784).
 59. *varus* Lepeletier and Brullé, 1835.
varius auctt.
pusillus Lepeletier and Brullé, 1835.
 60. *anxius* (Wesmael, 1852).
? ovalis Lepeletier and Brullé, 1835.
 61. *wesmaeli* (Van der Linden, 1829).
 62. *elongatulus* (Van der Linden, 1829).
 63. *exiguus* (Van der Linden, 1829).
 Richards, 1935, *Ent. mon. Mag.* **71** : 176.

23. *Blepharipus* Lepeletier and Brullé, 1835

64. *dimidiatus* (Fabricius, 1781).
serripes (Panzer, 1797).
 65. *confusus* (Schulz, 1906).
signatus (Panzer, 1798 nec Olivier, 1791).

24. *Acanthocrabro* Perkins, 1913

66. *vagabundus* (Panzer, 1798).

25. *Hoplocrabro* Thomson, 1874

67. *quadrinaculatus* (Fabricius, 1793).

26. *Clypeocrabro* Richards, 1935

68. *clypeatus* (Schreber, 1759).

27. *Clytochrysus* Morawitz, 1864

69. *zonatus* (Panzer, 1797).
sexcinctus auctt.

70. *planifrons* (Thomson, 1870).
 cephalotes (Panzer, 1799) *in part*.
 71. *cavifrons* (Thomson, 1870).
 cephalotes (Panzer, 1799) *in part*.
 72. *chrysostomus* (Lepeletier and Brullé, 1835).
28. *Solenius* Lepeletier and Brullé, 1835
73. *rubicola* Dufour and Perris, 1840
 larvatus (Wesmael, 1852).
 ? *microstictus* (Herrich-Schäffer, 1841).
 74. *continuus* (Fabricius, 1805).
 vagus auctt. *nec* Linnaeus.
29. *Ectemnius* Dahlbom, 1845
- Nixon, 1935, *Ent. mon. Mag.*, 71 : 57
75. *dives* (Lepeletier and Brullé, 1835).
30. *Metacrabro* Ashmead, 1899
76. *lituratus* (Panzer, 1804).
 77. *quadriceinctus* (Fabricius, 1787).
 interruptus (E. Saunders).
31. *Corynopus* Lepeletier and Brullé, 1835
78. *coarctatus* (Scopoli, 1763).
 tibialis (Fabricius, 1798 *nec* Olivier, 1791).
 79. *nigrinus* (Kiesenwetter, 1844).
 kiesenwetteri (Morawitz, 1866).
32. *Rhopalum* Stephens, 1829
80. *clavipes* (Linnaeus, 1758).
33. *Lindenius* Lepeletier and Brullé, 1835
81. *panzeri* (Van der Linden, 1829).
 82. *albilabris* (Fabricius, 1793).
34. *Entomognathus* Dahlbom, 1844
83. *brevis* (Van der Linden, 1829).
35. *Nysson* Latreille, 1802
84. *spinosus* (Forster, 1771).
 85. *interruptus* (Fabricius, 1798).
 86. *trimaculatus* (Rossi, 1790).
 87. *dimidiatus* Jurine, 1807.
36. *Gorytes* Latreille, 1804
88. *mystaceus* (Linnaeus, 1761).
 campestris (Linnaeus, 1761).
 89. *fargei* Shuckard, 1837.
 campestris auctt. *nec* (Linnaeus, 1761).
37. *Hoplisus* Lepeletier, 1832
90. *quadrifasciatus* (Fabricius, 1805).
 91. *laticinctus* (Lepeletier, 1832).
 92. *bicinctus* (Rossi, 1792).

38. *Harpactus* Shuckard, 1837
 93. *tumidus* (Panzer, 1801).
 39. *Didineis* Wesmael, 1852
 94. *lunicornis* (Fabricius, 1798).
 40. *Mellinus* Fabricius, 1790
 95. *arcensis* (Linnaeus, 1758).
 vagus (Linnaeus, 1758).
 96. *sabulosus* (Fabricius, 1787).
 41. *Philanthus* Fabricius, 1790
 97. *triangulum* (Fabricius, 1775).
 42. *Cerceris* Latreille, 1802
 98. *rybyensis* (Linnaeus, 1771).
 ornata (Fabricius, 1790).
 99. *sabulosa* (Panzer, 1799).
 emarginata (Panzer, 1799).
 100. *quadricincta* (Panzer, 1799).
 101. *arenaria* (Linnaeus, 1758).
 102. *quinquefasciata* (Rossi, 1792).
 interrupta E. Saunders.
 103. *cunicularia* (Schrank, 1802).
 labiata (Fabricius, 1793 *nec* Olivier, 1791).

APIDAE

Saunders, 1896, *Hymen. Acul. Brit. Is.* : 174

1. *Colletes* Latreille, 1802

Schmiedeknecht, 1930, *Hymenopt. N. u. Mitteleurop.* Jena.

1. *succincta* (Linnaeus, 1758).
 glutinans (Cuvier, 1798).
2. *fodiens* (Geoffroy in Fourcroy, 1785).
3. *similis* Schenck, 1853.
 picistigma Thomson, 1872.
4. *marginata* Smith, 1846.
5. *daviesana* Smith, 1846.
6. *floralis* Eversmann, 1852.
 montana Morawitz, 1876.
 Saunders, 1906, *Ent. mon. Mag.*, **42** : 172-7.
7. *cunicularia* (Linnaeus, 1761).

2. *Prosopis* Fabricius, 1805

Schmiedeknecht, 1930, *Hymenopt. N. u. Mitteleurop.* Jena.

8. *cornuta* (Curtis, 1831).
9. *spilota* (Förster, 1871).
 masoni E. Saunders, 1894.
 = *euryscapa* (Förster, 1871) subsp.
10. *annularis* (Kirby, 1802).
 dilatata (Kirby, 1802).
11. *communis* (Nylander, 1852).

12. *signata* (Panzer, 1798).
 pratensis (Geoffroy in Fourcroy, 1785 *nec* Miller, 1759).
13. *punctulatissima* (Smith, 1843).
14. *hyalinata* (Smith, 1843).
15. *confusa* (Nylander, 1852).
16. *gibba* (S. Saunders, 1850).
 genalis Thomson, 1872.
17. *brevicornis* (Nylander, 1852).
18. *pictipes* (Nylander, 1852).
19. *pectoralis* (Förster, 1871).
 kriechbaumeri (Förster, 1871).
 palustris Perkins, 1900.

3. *Halictus* Latreille, 1804

Perkins, 1922, *Ent. mon. Mag.*, **58** : 42–52, 94–101
 Schmiedeknecht, 1930, *Hymenopt. N. u. Mitteleurop.* Jena.

20. *eurygnathus* Blüthgen, 1930.
 quadricinctus (Kirby).
21. *rubicundus* (Christ, 1791).
 nesiotis Perkins, 1922.
22. *maculatus* Smith, 1848.
23. *xanthopus* (Kirby, 1802).
- ♂ 24. *laevigatus* (Kirby, 1802).
25. *nitidus* (Panzer, 1798).
 sexnotatus (Kirby, 1802).
26. *prasinus* Smith, 1848.
27. *zonulus* Smith, 1848.
- ♀ 28. *leucozonius* (Schrank, 1781).
29. *quadrinotatus* (Kirby, 1802).
30. *lativentris* (Schenck, 1853).
 decipiens Perkins, 1913.
31. *laticeps* Schenck, 1870.
 semipunctulatus E. Saunders.
32. *calceatus* (Scopoli, 1763).
 cylindricus (Fabricius, 1793).
33. *albipes* (Fabricius, 1781).
- ♂ 34. *malachurus* (Kirby, 1802).
 longulus Smith, 1848.
35. *pauxillus* (Schenck, 1853).
 immarginatus (Schenck, 1853).
36. *fulvicornis* (Kirby, 1802).
 subfasciatus E. Saunders *in part.*
37. *fratellus* Pérez, 1903.
 freygessneri Alfken, 1904.
 subfasciatus E. Saunders *in part.*
38. *laevis* (Kirby, 1802).
- ♀ 39. *villosulus* (Kirby, 1802).
40. *puncticollis* Morawitz, 1872.
41. *brevicornis* Schenck, 1870.
42. *pauperatus* Brullé, 1832.
 breviceps E. Saunders, 1879.
43. *punctatissimus* (Schenck, 1853).

Myrmica
Myrmica

44. *angusticeps* Perkins, 1895.
Spoonor, 1929, *Ent. mon. Mag.*, **35** : 233-4.
45. *minutissimus* (Kirby, 1802).
arnoldi E. Saunders, 1910.
46. *nitidiusculus* (Kirby, 1802).
47. *minutus* (Schrank, 1781).
48. *rufitarsis* Zetterstedt, 1838.
atricornis Smith, 1870.
49. *subauratus* (Rossi, 1792).
gramineus Smith, 1849.
50. *perkinsi* Blüthgen, 1926.
flavipes Perkins *nec* Fabricius.
51. *tumulorum* (Linnaeus, 1758).
52. *smeathmanellus* (Kirby, 1802).
Perkins, 1935, *Ent. mon. Mag.*, **71** : 104-106.
53. *morio* (Fabricius, 1793).
54. *leucopus* (Kirby, 1802).

4. *Sphecodes* Latreille, 1804

Perkins, 1922, *Ent. mon. Mag.*, **58** : 167-74
Schniedeknecht, 1930, *Hymenopt. N. u. Mitteleurop.* Jena.

55. *scabricollis* Wesmael, 1835.
56. *spinulosus* von Hagens, 1875.
57. *gibbus* (Linnaeus, 1758).
58. *reticulatus* Thomson, 1870.
59. *monilicornis* (Kirby, 1802).
subquadratus Smith, 1845.
60. *rubicundus* von Hagens, 1875.
? rufiventris (Panzer, 1798).
61. *pellucidus* Smith, 1845.
pilifrons Thomson, 1870.
62. *ephippius* (Linnaeus, 1767).
divisus (Kirby, 1802).
similis Wesmael, 1835.
63. *niger* von Hagens, 1874.
64. *longulus* von Hagens, 1882.
65. *puncticeps* Thomson, 1870.
66. *ferruginatus* von Hagens, 1882.
67. *hyalinatus* von Hagens, 1882.
68. *crassus* Thomson, 1870.
variegatus von Hagens, 1874.
69. *miniatus* von Hagens, 1882.
dimidiatus von Hagens, 1882.
70. *fasciatus* von Hagens, 1882.
affinis von Hagens, 1882.

5. *Andrena* Fabricius, 1775

Perkins, 1919, *Trans. ent. Soc. Lond.*, **1919** : 218-316, 5 pls.

71. *haemorrhoea* (Fabricius, 1781).
albicans auctt. *nec* (Müller).
72. *carbonaria* (Linnaeus, 1767).
pilipes E. Saunders.

73. *bimaculata* (Kirby, 1802).
74. *tibialis* (Kirby, 1802).
75. *flavipes* Panzer, 1798.
 fulvicrus (Kirby, 1802).
76. *gravidata* Imhoff, 1832.
 fasciata auctt.
77. *floreata* Fabricius, 1793.
78. *thoracica* (Fabricius, 1775).
79. *pubescens* Olivier, 1789.
 nitida (Fourcroy, 1785 *nec* Müller, 1776).
 consimilis Smith, 1847.
80. *cineraria* (Linnaeus, 1758).
81. *vaga* Panzer, 1799.
82. *nigroaenea* (Kirby, 1802).
83. *bicolor* (Fabricius, 1775).
 gwynana (Kirby, 1802).
84. *ruficrus* Nylander, 1848.
85. *angustior* (Kirby, 1802).
86. *rosae* Panzer, 1800.
87. *jacobi* Perkins, 1921.
 trimmerana auctt.
88. *trimmerana* (Kirby, 1802).
 spinigera (Kirby, 1802).
89. *bucephala* Stephens, 1846.
90. *ferox* Smith, 1847.
91. *fucata* Smith, 1847.
92. *lapponica* Zetterstedt, 1838.
93. *varians* (Rossi, 1792).
94. *synadelpha* Perkins, 1914.
 ambigua Perkins, 1895.
95. *helvola* (Linnaeus, 1758).
96. *armata* (Gmelin, 1790).
 fulva (Schränk, 1781 *nec* Allioni, 1766).
97. *clarkella* (Kirby, 1802).
98. *apicata* Smith, 1847.
99. *praecox* (Scopoli, 1763).
100. *fuscipes* (Kirby, 1802).
101. *simillima* Smith, 1851.
102. *nigriceps* (Kirby, 1802).
103. *tridentata* (Kirby, 1802).
104. *denticulata* (Kirby, 1802).
105. *barbilabris* (Kirby, 1802).
 sericea (Christ, 1781 *nec* Forster, 1771).
 albicrus (Kirby, 1802).
106. *argentata* Smith, 1844.
107. *fulvago* (Christ, 1791).
108. *polita* Smith, 1847.
109. *labialis* (Kirby, 1802).
110. *humilis* Imhoff, 1832.
111. *coitana* (Kirby, 1802).
112. *tarsata* Nylander, 1848.
 analisa auctt.

- 113. *hattorfiana* (Fabricius, 1775).
- 114. *marginata* Fabricius, 1777.
 ceti (Schränk, 1781).
- 115. *chrysosceles* (Kirby, 1802).
- 116. *nitidiuscula* Schenck, 1853.
 lucens auctt.
- 117. *labiata* Fabricius, 1781.
 cingulata (Fabricius, 1775 : 390, *nec* 1775 : 378).
- 118. *alfkenella* Perkins, 1914.
 moricella Perkins, 1914.
- 119. *nana* (Kirby, 1802).
- 120. *saundersella* Perkins, 1914.
 nana Saunders.
- 121. *niveata* Friese, 1887
 spretta Perkins *nec* Pérez, 1895.
- 122. *falsifica* Perkins, 1914.
- 123. *nanula* Nylander, 1848.
- 124. *minutuloides* Perkins, 1914.
 parvuloides Perkins, 1914.
- 125. *minutula* (Kirby, 1802).
 parvula (Kirby, 1802).
- 126. *subopaca* Nylander, 1848.
- 127. *proxima* (Kirby, 1802).
- 128. *ovatula* (Kirby, 1802).
 afzeiella (Kirby, 1802).
- 129. *similis* Smith, 1849.
- 130. *congruens* Schmiedeknecht, 1883.
 Perkins, 1924, *Ent. mon. Mag.*, **60** : 277.
- 131. *wilkella* (Kirby, 1802).
- 132. *dorsata* (Kirby, 1802).

6. *Melitta* Kirby, 1802

- 133. *haemorrhoidalis* (Fabricius, 1775).
- 134. *leporina* (Panzer, 1799).
- 135. *tricincta* Kirby, 1802.
 melanura (Nylander, 1852).
 Sladen, 1897, *Ent. mon. Mag.*, **33** : 229-30.

7. *Macropis* Panzer, 1809

- 136. *labiata* (Fabricius, 1805).

8. *Panurgus* Panzer, 1806

- 137. *calcaratus* (Scopoli, 1763).
- 138. *banksianus* (Kirby, 1802).
 ursinus auctt.

9. *Dufourea* Lepeletier, 1841

- 139. *vulgaris* Schenck, 1859.
- 140. *halictula* (Nylander, 1852).
 Saunders, 1910, *Ent. mon. Mag.*, **46** : 10-12.

10. *Rophites* Spinola, 1808

- 141. *quinquespinosus* Spinola, 1808.

11. *Dasypoda* Latreille, 1802

142. *hirtipes* (Fabricius, 1793).
plumipes (Panzer, 1797).

12. *Anthophora* Latreille, 1803

143. *retusa* (Linnaeus, 1758).
144. *acervorum* (Linnaeus, 1758).
pilipes (Fabricius, 1775).
145. *furcata* (Panzer, 1798).
146. *quadrinaculata* (Panzer, 1798).
vulpina (Panzer, 1798 *nec* Christ, 1791).
147. *bimaculata* (Panzer, 1798).

13. *Eucera* Scopoli, 1770

148. *longicornis* (Linnaeus, 1758).

14. *Melecta* Latreille, 1802

149. *luctuosa* (Scopoli, 1770).
150. *punctata* (Fabricius, 1775).
armata (Panzer, 1799).

15. *Epeolus* Latreille, 1802

Bischoff, 1930, *Deuts. ent. Z.* **1930** : 1-15

151. *variegatus* (Linnaeus, 1758).
productus Thomson, 1870.
notatus (auctt. *pars*).
152. *cruciger* (Panzer, 1799).
rufipes Thomson, 1870.

16. *Nomada* Scopoli, 1770

Perkins, 1919, *Trans. ent. Soc. Lond.*, **1919** : 218-316, 5 pls.
Schmiedeknecht, 1930, *Hymenopt. N. Mitteleurop.* Jena.

153. *stigma* Fabricius, 1805.
ferruginata auctt., *nec* Linnaeus, 1767.
154. *argentata* Herrich-Schäffer, 1839.
155. *armata* Herrich-Schäffer, 1839.
156. *guttulata* Schenck, 1859.
157. *obtusifrons* Nylander, 1848.
158. *tormentillae* Alfken, 1901.
robertjeotiana E. Saunders.
159. *rufipes* Fabricius, 1793.
solidaginis auctt.
160. *flavopicta* (Kirby, 1802).
jacobeae auctt.
161. *sexfasciata* Panzer, 1799.
162. *fucata* Panzer, 1798.
163. *goodeniana* (Kirby, 1802).
succincta auctt.
alternata (Kirby, 1802 *nec* auctt.).
164. *lathburiana* (Kirby, 1802).
165. *marshamella* (Kirby, 1802).
alternata auctt., *nec* Kirby.

- 166. *lineola* Panzer, 1798.
- 167. *baccata* Smith, 1844.
? *alboguttata* Herrich-Schäffer, 1839.
- 168. *ruficornis* (Linnaeus, 1758).
 bifida Thomson, 1872.
- 169. *hillana* (Kirby, 1802).
 ochrostoma (Kirby, 1802).
- 170. *xanthosticta* (Kirby, 1802).
 lateralis E. Saunders.
- 171. *leucophthalma* (Kirby, 1802).
 borealis Zetterstedt, 1838.
- 172. *hirtipes* Pérez, 1884.
 bucephalae Perkins, 1917.
 ruficornis E. Saunders in part.
- 173. *signata* Jurine, 1807.
- 174. *flava* Panzer, 1798.
- 175. *panzeri* Lepeletier, 1842.
 ruficornis auctt. *nec* Linnaeus.
- 176. *fabriciana* (Linnaeus, 1767).
- 177. *conjungens* Herrich-Schäffer, 1839.
- 178. *flavoguttata* (Kirby, 1802).
- 179. *sheppardana* (Kirby, 1802).
 furva auctt. *nec* Panzer.
 dalii Curtis, 1832.
- 17. *Ceratina* Latreille, 1802
- 180. *cyanea* (Kirby, 1802).

18. *Megachile* Latreille, 1802Perkins, 1925, *Ent. mon. Mag.*, **61** : 95-101

- 181. *maritima* (Kirby, 1802).
- 182. *willughbiella* (Kirby, 1802).
- 183. *circumcincta* (Kirby, 1802).
- 184. *centuncularis* (Linnaeus, 1758).
- 185. *lapponica* Thomson, 1872.
- 186. *ligniseca* (Kirby, 1802).
- 187. *versicolor* Smith, 1844.
- 188. *ericetorum* Lepeletier, 1841.
- 189. *argentata* (Fabricius, 1793).

19. *Coelioxys* Latreille, 1809Schmiedeknecht, 1930, *Hymenopt. N. Mitteleurop.* Jena.

- 190. *conoidea* (Illiger, 1806).
 rectis Curtis, 1831.
- 191. *quadridentata* (Linnaeus, 1758).
- 192. *rufescens* Lepeletier and Serville, 1825.
 umbrina Smith, 1843.
- 193. *elongata* Lepeletier, 1841.
- 194. *inermis* (Kirby, 1802).
 acuminata Nylander, 1852.
- 195. *mandibularis* Nylander, 1848.
- 196. *afra* Lepeletier, 1841.

20. *Anthidium* Fabricius, 1805

197. *manicatum* (Linnaeus, 1758).

21. *Stelis* Panzer, 1806

198. *punctulatissima* (Kirby, 1802).

aterrima (Panzer, 1798 *nec* Christ, 1791).

199. *phaeoptera* (Kirby, 1802).

200. *ornatula* (Klug, 1808).

octomaculata Smith, 1843.

22. *Osmia* Panzer, 1806

Schmiedeknecht, 1930, *Hymenopt. N. Mitteleurop.* Jena.

201. *rufa* (Linnaeus, 1758).

202. *pilicornis* Smith, 1846.

203. *xanthomelana* (Kirby, 1802).

204. *parietina* Curtis, 1828.

205. *inermis* (Zetterstedt, 1838).

parietina E. Saunders.

Saunders, 1900, *Ent. mon. Mag.*, **36** : 51-3.

206. *coerulescens* (Linnaeus, 1758).

aenea (Linnaeus, 1761).

207. *leaiana* (Kirby, 1802).

fulviventris E. Saunders.

? *ventralis* (Panzer, 1798).

208. *bicolor* (Schränk, 1781).

209. *aurulenta* (Panzer, 1799).

210. *leucomelana* (Kirby, 1802).

211. *spinulosa* (Kirby, 1802).

23. *Heriades* Spinola, 1808

212. *truncorum* (Linnaeus, 1758).

24. *Chelostoma* Latreille, 1808

213. *florisomne* (Linnaeus, 1758).

maxillosum (Linnaeus, 1761).

214. *companularum* (Kirby, 1802).

25. *Bombus* Latreille, 1809

Sladen, 1912, *The Humble bee.*

Richards, 1927, *Trans. ent. Soc. Lond.*, **75** : 233-68, 5 figs., 4 pls.

215. *terrestris* (Linnaeus, 1758).

216. *lucorum* (Linnaeus, 1761).

217. *lapidarius* (Linnaeus, 1758).

218. *cullumanus* (Kirby, 1802).

219. *pratorum* (Linnaeus, 1761).

220. *jonellus* (Kirby, 1802).

221. *lapponicus* (Fabricius, 1793).

222. *soroënsis* (Fabricius, 1777).

223. *ruferatus* (Fabricius, 1775).

224. *hortorum* (Linnaeus, 1761).

225. *subterraneus* (Linnaeus, 1758).

latreillellus (Kirby, 1802).

- 226. *distinguendus* Morawitz, 1869.
- 227. *runderarius* (Müller, 1776).
 derhamellus (Kirby, 1802).
- 228. *sylvarum* (Linnaeus, 1761).
 nigrescens Pérez, 1879.
- 229. *agrorum* (Fabricius, 1787).
- 230. *muscorum* (Linnaeus, 1758).
- 231. *smithianus* White, 1851.
- 232. *humilis* Illiger, 1806.
 helferanus Seidl, 1837.
 solstitialis (Panzer, 1805-6).
 venustus Smith, 1876.
- 233. *pomorum* (Panzer, 1801-2).

26. *Psithyrus* Lepeletier, 1833

Richards, 1927, *Trans. ent. Soc. Lond.*, **75** : 233-68, 5 figs., 4 pls.

Richards, 1928, *Trans. ent. Soc. Lond.*, **76** : 345-64, 1 pl.

- 234. *rupestris* (Fabricius, 1793).
- 235. *vestalis* (Geoffroy in Fourcroy, 1785).
- 236. *bohemicus* (Seidl, 1837).
 distinctus Pérez, 1884.
- 237. *barbutellus* (Kirby, 1802).
- 238. *campestris* (Panzer, 1800).
- 239. *sylvestris* Lepeletier, 1833.
 quadricolor auctt.

27. *Apis* Linnaeus, 1758

- †240. *mellifera* Linnaeus, 1758.
 mellifica Linnaeus, 1766.

ANNEX TO FIRST REPORT OF THE HYMENOPTERA SUB-COMMITTEE.

The generic names of British Hymenoptera Aculeata.

By O. W. RICHARDS, M.A., D.Sc.

Introduction.

In the following account, names published in the "Erlangen List" (Jurine-Panzer, 1801, *Nachricht von einem neuen entomologischen [sic] Werke, des Hrn. Prof. Jurine in Genève, Intelligenzblatt der Litteratur-Zeitung, Erlangen* : 160-165) have been ignored. A proposal that this work should have no nomenclatorial status has already been laid before the International Commission on Zoological Nomenclature.

It has recently been suggested by Roman (1933, *Ent. Tidskr.* **54** : 37-39) and by Malaise (1937, *Ent. News*, **48** : 130-134; 1937, *Ent. Tidskr.* **58** : 65) that Fabricius designated genotypes in the *Systema Piezatorum*, 1805 [for this date see note p. 118]. If their view were upheld, a number of changes would be necessary in the ensuing list of generic names. I think it is clear, however, that under the Code of Nomenclature, as it stands at present, Fabricius did *not* fix genotypes. Malaise's argument depends on the following statement (p. 131). "In all the later works of Fabricius, *e.g.* 'Systema Piezatorum' of 1804, and also in some earlier ones, although not so frequently, he designates one species and never more than one in every genus, with the exception of some genera already known and not erected by himself."

If Fabricius's action had been consistent, there might have been grounds for treating his action as fixing genotypes. But this is far from the case. He fixes the genotype (in Malaise's sense) in a number of genera described by other authors and fails to fix it in thirteen of his own genera, including one (*Dryinus*) described for the first time in the *Systema Piezatorum*. As, in several genera, the acceptance of Fabricius's action as genotype-fixation would cause serious disturbance in nomenclature, there seem to be no grounds at all for supporting Malaise's suggestion.

It should also be noted that not all synonyms of many of the larger genera have been dealt with. Many subgeneric divisions have been proposed in such genera as *Nomada*, *Andrena*, etc., but until the morphological definitions of the subdivisions have been subjected to much more study, a discussion of them from a purely nomenclatorial point of view would serve little purpose.

DRYINIDAE

1. DRYINUS Latreille

Latreille, March 1804, *Nouv. Dict. Hist. nat.* **24** : 176

Latreille, 1805, *Hist. nat. Crust. Ins.* **3** : 228

Kieffer, 1911, *Bull. Soc. Hist. nat. Metz* **27** : 108

Type (only species placed in genus when species first cited) = *Dryinus formicarius* Latreille, 1805.

Synonym. *Lestodryinus* Kieffer, 1911, erected to replace *Dryinus* Latreille (*nec* Fabricius) and having, therefore, the same type as Latreille's genus. It appears, however, that Fabricius's *Systema Piezatorum* was probably published in 1805 and at any rate later than vol. 24 of the *Nouvelle Dictionnaire* (*see* Richards, 1935, *Trans. R. ent. Soc. Lond.* **83** : 144).

Note.—Latreille first described the genus without included species. In 1805 he included a single species which automatically becomes the type.

2. DICONDYLUS Curtis

Curtis, 1829–30, *Guide to British Insects* : 110

Kieffer, 1914, *Das Tierreich, Bethyridae* **41** : 73

Type (fixed by Kieffer) = *Dryinus bicolor* Haliday *in* Curtis, 1828.

Synonym. *Laberius* Kieffer, 1914 (= *Labeo* Haliday, 1833 *nec* Cuvier, 1817), type *Labeo vitripennis* Haliday, 1833. *Cf.* Richards, 1936, *Proc. R. ent. Soc. Lond.* (B) **5** : 169.

Note.—The mention of the name *Dicondylus* by Curtis, 1829–30, with a reference to a described species validates the name from that date. The second species mentioned (*D. pedestris* Haliday *nec* Dalman) has been supposed to be identical but is really distinct (*see* Richards, 1935).

3. GONATOPUS Ljungh

Ljungh, 1810, *Beitr. z. Naturk.* **2** : 161

Type (monobasic) = *Gonatopus formicarius* Ljungh, 1810.

4. ANTEON Jurine

Jurine, 1807, *Nouv. Méth. Class. Hym.* : 302

Latreille, 1809, *Gen. Crust. Ins.* **4** : 35

Type (only species placed in the genus when species first cited) = *Anteon jurineanum* Latreille, 1809.

Note.—The genus was originally described without included species. Latreille (1809) described a single species, which automatically becomes the type. It is not at present a recognised species, though evidently belonging to this genus in the modern sense. According to Latreille (1809), the name of the genus is neuter in gender.

5. CHELOGYNUS Haliday

Haliday, 1838, *Ent. Mag.* **5** : 518

Kieffer, 1914, *Das Tierreich, Bethyridae* **41** : 173

Type (fixed by Kieffer) = *Chelogyne gaullei* Kieff. = *Anteon gaullei* Kieffer, 1905 = *Dryinus collaris* Walker, 1837 *nec* Dalman, 1823 (= *Gonatopus collaris* Dalman, 1818).

Note.—Kieffer took the view that Haliday and Walker had misidentified Dalman's species, and he therefore renamed their species *Anteon gaullei* Kieffer, 1905. It might be taken, however, that Haliday by referring to "*Dryinus collaris* Dalman" and not specifically mentioning *Anteon gaullei*, rendered the latter species ineligible for being the type of *Chelogynus*. As far as can be gathered from the descriptions, *Dryinus collaris* (Dalman) and *Dryinus collaris* Walker are congeneric. As there is a good chance that the types of both species will be examined in the near future, it is proposed to treat *Chelogynus gaullei* (Kieff.) as the type for the present. If Kieffer's designation is incorrect, the genus will require to have a new type fixed.

6. MYSTROPHORUS Förster

Förster, 1856, Hym. Stud. 2 : 91 and 93
Ruthe, 1859, Berlin. ent. Z. 1859 : 120

Type (only species placed in genus when species first cited) = *Mystrophorus formiciformis* Ruthe, 1859.

Note.—The genus was originally described without included species. Ruthe (1859) described a single species which automatically becomes the type.

7. PRENANTEON Kieffer

Kieffer, 1913, Bull. Soc. ent. Fr. 1913 : 301
Richards, 1935, Trans. R. ent. Soc. Lond. 83 : 153

Type (fixed by Richards) = *Anteon melanocera* Kieffer, 1905.

8. PSILANTEON Kieffer

Kieffer, 1913, Bull. Soc. ent. Fr. 1913 : 301

Type (monobasic) = *Anteon aequalis* Kieffer, 1905.

9. APHELOPUS Dalman

Dalman, 1823, Anal. ent. 8 : 14 (as subgenus of *Dryinus*)
Westwood, 1839, Introd. mod. Class. Ins. 2 (synopsis) : 76

Type (fixed by Westwood) = *Dryinus (Aphelopus) atratus* Dalman, 1823.

EMBOLEMIDAE

1. EMBOLEMUS Westwood

Westwood, —. vi. 1833, Philos. Mag. (3) 2 : 444

Type (monobasic) = *Embolemus ruddii* Westwood, 1833 ♂.

Synonym. *Myrmecomorphus* Westwood, —. xi, 1833 (type *M. rufescens* Westwood, 1833 ♀). Cf. Richards, 1936, Proc. R. ent. Soc. Lond. (B) 5 : 170.

BETHYLIDAE

1. CEPHALONOMIA Westwood

Westwood, 1833, Mag. nat. Hist. 6 : 420

Type (monobasic) = *Cephalonomia formiciformis* Westwood, 1833.

2. EPYRIS Westwood

Westwood, 1832, Philos. Mag. (3) 1 : 129

Type (monobasic) = *Epyris niger* Westwood, 1832.

3. RHABDEPYRIS Kieffer

Kieffer, 1904, Bull. Soc. Hist. nat. Metz **23** : 32
 Kieffer, 1906, in André Species d'Hymén. **9** : 376

Type (fixed by Kieffer) = *Rhabdepyris myrmecophila* Kieffer, 1904.

Note 1.—Kieffer originally treated the genus as feminine, but in all later papers changed the gender to masculine. It is recommended that this change of gender be adopted.

Note 2.—Kieffer (1906) described *R. fasciatus* from Scotland; the type in the British Museum is labelled "Spain." Kieffer (1907) described *R. truncatus* from "England : Melbourne." Melbourne, however, is in Australia.

4. HOLEPYRIS Kieffer

Kieffer, 1904, Ann. Mus. civ. Stor. nat. Genova **41** : 390
 Kieffer, 1906, in André Species d'Hymén. **9** : 341

Type (fixed by Kieffer) = *Holepyris africanus* Kieffer, 1904.

5. PLASTANOXUS Kieffer

Kieffer, 1905, in André Species d'Hymén. **9** : 244
 Gahan, 1931, J. Wash. Acad. Sci. **21** : 215

Type (fixed by Gahan) = *Anoxus chittendenii* Ashmead, 1893.

6. PRISTOCERA Klug

Klug, 1808, Mag. naturf. Fr. Berlin **2** : 49

Type (monobasic) = *Bethylus depressus* Fabricius, 1805.

Note.—In the date of the type species, the amended date for the publication of the *Systema Piezatorum* has been used (see note under *Dryinus*, p. 118).

7. PSEUDISOBRACHIUM Kieffer

Kieffer, 1904, Ann. Mus. civ. Stor. nat. Genova **41** : 368
 Kieffer, 1906, in André Species d'Hymén. **9** : 297

Type (fixed by Kieffer) = *Pseudisobrachium laticeps* Kieffer, 1904.

8. GONIOZUS Förster

Förster, 1856, Hym. Stud. **2** : 96
 Ashmead, 1893, Bull. U.S. Nat. Mus. **45** : 72

Type (fixed by Ashmead) = *Goniozus claripennis* (Förster) = *Bethylus claripennis* Förster, 1851.

9. BETHYLUS Latreille

Latreille, 1802, Hist. nat. Crust. Ins. **3** : 315

Type (to be fixed by the International Commission) = *Omalus fuscicornis* Jurine, 1807.

Synonym. *Perisemus* Förster, 1856 (type *P. triareolatus* Förster, 1856, fixed by Ashmead, 1893).

Note 1.—A proposal to fix the type of *Bethylus* as *Omalus fuscicornis* Jurine, 1807, is already before the International Commission on Zoological Nomenclature.

CLEPTIDAE

1. CLEPTES Latreille

Latreille, 1802, Hist. nat. Crust. Ins. **3** : 316

Type (monobasic) = *Sphex semiaurata* Linnaeus, 1761.

CHRYSIDIDAE

1. NOTOZUS Förster

Förster, 1853, Verh. naturh. Ver. preuss. Rheinl. **10** : 331
 Ashmead, 1902, Canad. Ent. **34** : 228

Type (fixed by Ashmead) = *Hedychridium spina* Lepeletier, 1806 = *Notozus frivaldskyi* Förster, 1853 = *Chrysis panzeri* Fabricius, 1805 var.

Note 1.—The date of *Chrysis panzeri* Fabricius is 1805 (see note under *Dryinus* Latr., p. 118 above).

Note 2.—An earlier name is *Elampus* Spinola (1806, *Ins. Ligur.* **1** : 10). This was proposed for several species, including *C. panzeri* Fabricius. Latreille (1810, *Consid. génér.* : 437) fixed *C. panzeri* as the type.

In view of the confusion which would result from applying the name *Elampus* to a group from which the name has long been dissociated and to a different one from that to which it, or its emendation, *Ellampus*, was long applied (viz. genus *Omalus* Panzer), it is recommended that the name *Elampus* Spinola, 1806, be suppressed (see p. 84 above).

2. OMALUS Panzer

Panzer, 1801, Faun. Ins. Germ. **85** : pl. 13. (*nec* Jurine, 1807)

Type (monobasic) = *O. aeneus* Panzer, 1801 = *Chrysis aenea* Fabricius, 1787.

Synonym. *Ellampus* (emended by Agassiz (1846) from *Elampus* Spinola, 1806 of authors ; *nec* Spinola).

3. HEDYCHRUM Latreille

Latreille, 1802, Hist. nat. Crust. Ins. **3** : 317

Type (monobasic) = *Hedychrum lucidulum* Latreille, 1802 = *Chrysis lucidula* Fabricius, 1775 = *Sphex nobilis* Scopoli, 1763.

4. HOLOPYGA Dahlbom

Dahlbom, 1845, Disp. Méth. spec. Hym. : 4
 Ashmead, 1902, Canad. Ent. **34** : 227

Type (fixed by Ashmead) = *Holopyga amoenula* Dahlbom, 1845 = *Chrysis gloriosa* Fabricius, 1793 var.

5. HEDYCHRIDIUM Abeille

Abeille, 1878, Diagn. Chrysid. nouv. : 3
 Ashmead, 1902, Canad. Ent. **34** : 227

Type (fixed by Ashmead) = *Chrysis ardens* Coquebert, 1801 = *Hedychrum minutum* Lepeletier, 1806.

6. SPINTHARIS Klug

Klug, 1845, Ehrenberg and Klug, Symb. Physic. : pl. 45
 Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 158

Type (fixed by Richards) = *Spintharis humeralis* Klug, 1845 = *Chrysis pallidicornis* Spinola, 1838.

Synonym. *Pseudochrysis* Trautmann *nec* Semenov 1891 (see Richards (1935)).

7. **CHRYSIDAE** LinnaeusLinnaeus, 1761, Faun. Suec. Ed. **12** : 414

Latreille, 1810, Consid. génér. : 437

Type (fixed by Latreille) = *Sphecx ignita* Linnaeus, 1758.**TIPHIDAE**1. **TIPHIA** Fabricius

Fabricius, 1775, Syst. Ent. : 553

Latreille, 1810, Consid. génér. : 437

Type (fixed by Latreille) = *Tiphia femorata* Fabricius, 1775.**SAPYGIDAE**1. **SAPYGA** Latreille

Latreille, 1796, Préc. Car. gén. Ins. : 134

Latreille, 1802, Hist. nat. Crust. Ins. **3** : 346**Type** (only species placed in the genus when species first cited) = *Scolia quinquepunctata* Fabricius, 1781.*Note*.—The genus was originally described without included species. Latreille (1802) included a single species which automatically becomes the type.**METHOCIDAE**1. **METHOCA** LatreilleLatreille, March 1804, Nouv. Dict. Hist. nat. **24** : 179 (*Methocha*)Latreille, Sept. 1804, Hist. nat. Crust. Ins. **13** : 268**Type** (fixed by Latreille) = *Methoca ichneumonides* Latreille, Sept. 1804.*Note* 1.—It is recommended that Latreille's emended spelling of *Methoca* be retained (see p. 84 above).*Note* 2.—Latreille (March 1804) described the genus for the species *Mutilla articulata* Latreille, 1792. In Sept. 1804, he included *Mutilla articulata* Latreille, 1792, of which he changed the name to *ichneumonides*, and *Mutilla formicaria* Latreille, 1792. The latter name is preoccupied by *M. formicaria* Linnaeus, 1758. There is some doubt as to what insect *M. articulata* really is; it has even been suggested that it may have belonged to a different family. The name has never been used since 1804, whereas a large literature has grown up around the name *Methoca ichneumonides*. It is recommended that the latter name be adopted and be used according to ordinary modern usage (see p. 85 above).**MYRMOSIDAE**1. **MYRMOSA** Latreille

Latreille, 1796, Préc. Car. gén. Ins. : 118

Panzer, Aug. 1801, Faun. Ins. Germ. **85** : 14**Type** (only species placed in genus when species first cited) = *Myrmosa atra* Panzer, 1801 ♂ = *Mutilla melanocephala* Fabricius, 1793 ♀ *nec* Schrank, 1781.*Note* 1.—The genus was described without included species. In 1801, Panzer included his *M. atra*, which automatically becomes the type.

Note 2.—Morice and Durrant (1914, *Trans. ent. Soc. Lond.* **1914** : 309), probably owing to a clerical error, give the date of *M. atra* Panzer as 1804. The correct year is given by Sherborn (1923, *Ann. Mag. nat. Hist.* (9) **11** : 566).

MUTILLIDAE

1. MUTILLA Linnaeus

Linnaeus, 1758, *Syst. Nat.* ed. 10, 1 : 582
Latreille, 1810, *Consid. génér.* : 437

Type (fixed by Latreille) = *Mutilla europaea* Linnaeus, 1758.

2. SMICROMYRME Thomson

Thomson, 1870, *Opusc. Ent.* 2 : 208

Type (monobasic) = *Mutilla rufipes* Fabricius, 1787.

FORMICIDAE

1. PONERA Latreille

Latreille, March 1804, *Nouv. Dict. Hist. nat.* 24 : 179
Latreille, Sept. 1804, *Hist. nat. Crust. Ins.* 13 : 257
Latreille, 1810, *Consid. génér.* : 437
Westwood, 1840, *Introd. mod. Class. Ins.* 2 : synopsis, 83

Type (fixed by Westwood) = *Formica contracta* Latreille, 1802 = *Formica coarctata* Latreille, 1801.

Note.—Latreille (March 1804) described the genus *Ponera* for his “*Fourmis étrangères*.” This group was defined in *Hist. nat. Fourmis* (1802); it included, amongst other species, *Formica contracta* and *Formica crassinoda* Latreille, 1802. In 1810, Latreille chose the latter as the type. In recent literature *F. crassinoda* is placed in the well-known South American genus, *Pachycondyla* (Smith, 1858). In order to avoid altering the names of these two genera, it is recommended that the type-fixation of Latreille (1810) be set aside and that of Westwood (1840) be upheld (see p. 85 above). Recent myrmecologists (*e.g.* Wheeler, 1912) have avoided this difficulty by treating Latreille’s work (Sept. 1804) as fixing types. It is, however, very doubtful if this treatment is valid under the code. In redescribing *Ponera*, Latreille (Sept. 1804) cites only one species, *Formica contracta* Latreille, 1802. He nowhere makes use of the word “type” and in some genera in the same work he cites several species. It appears certain, therefore, that the mere citation of a single species in Latreille (Sept. 1804) does not constitute a type-fixation.

2. MYRMECINA Curtis

Curtis, 1829, *Brit. Ent.* 6 (66) no. 265, pl. 265

Type (monobasic) = *Myrmecina latreillii* Curtis, 1829 = *Formica graminicola* Latreille, 1802.

3. FORMICOXENUS Mayr

Mayr, 1885, *Verh. zool.-bot. Ges. Wien* 5 : 413

Type (monobasic) = *Myrmica nitidula* Nylander, 1846.

4. ANERGATES Forel

Forel, 1874, *Denkschr. Schweiz. Ges. Naturw.* 26 : 93

Type (monobasic) = *Myrmica atratula* Schenck, 1852.

5. MONOMORIUM Mayr

Mayr, 1855, Verh. zool.-bot. Ges. Wien **5** : 452

Type (monobasic) = *Monomorium minutum* Mayr, 1855.

6. SOLENOPSIS Westwood

Westwood, 1840, Ann. Mag. nat. Hist. **6** : 86

Type (monobasic) = *Solenopsis mandibularis* Westwood, 1840 = *Atta geminata* Fabricius, 1805.

Note.—The date of *Atta geminata* is the emended date of the *Syst. Piez.* (see note under *Dryinus* Latr., p. 118 above).

7. MYRMICA Latreille

Latreille, 1804, Nouv. Dict. Hist. nat. **24** : 179

Latreille, 1810, Consid. génér. : 437

Type (fixed by Latreille) = *Formica rubra* Linnaeus, 1758 = *Myrmica laevinodis* and *Myrmica ruginodis* Nylander, 1846.

8. STENAMMA Westwood

Westwood, 1840, Introd. mod. Class. Ins. **2** : synopsis, 83

Type (monobasic) = *Stenamma westwoodii* Westwood, 1840.

Note.—*S. westwoodii* is the same as *Myrmica westwoodii* Stephens, 1829, a *nomen nudum*.

9. LEPTOTHORAX Mayr

Mayr, 1855, Verh. zool.-bot. Ges. Wien **5** : 431

Bingham, 1903, Fauna Brit. India, Hym. **2** : 214

Type (fixed by Bingham) = *Formica acervorum* Fabricius, 1793.

Note.—Emery (1912, *Ann. Soc. ent. Belg.* **56** : 271) changed the type to *Myrmica clypeata* Mayr, 1853, in order to be able to retain the subgenus *Mychothorax* Ruzsky, 1905, which has the same type. Such a change is invalid under the code and the occasion is hardly one in which it is worth making an exception.

10. STRONGYLOGNATHUS Mayr

Mayr, 1853, Verh. zool.-bot. Ges. Wien **3** : 389

Type (monobasic) = *Eciton testaceum* Schenck, 1852.

11. TETRAMORIUM Mayr

Mayr, 1855, Verh. zool.-bot. Ges. Wien **5** : 423

Girard, 1879, Traité élém. Ent. **2** : 1016

Type (fixed by Girard) = *Formica caespitum* Linnaeus, 1758.

12. TAPINOMA Förster

Förster, 1850, Hym. Stud. **1** : 43

Type (monobasic) = *Tapinoma collina* Förster, 1850 = *Formica erratica* Latreille, 1798.

13. LASIUS Fabricius

Fabricius, 1805, Syst. Piez. : 415

Bingham, 1903, Faun. Brit. India, Hym. **2** : 338

Type (fixed by Bingham) = *Formica nigra* Linnaeus, 1758.

Synonyms. *Acanthomyops* Mayr, 1862 (type *Formica clavigera* Roger, 1862); *Donisthorpea* Morice and Durrant, 1914 (type *Formica nigra* Linnaeus, 1758).

Note 1.—A proposal that the name *Lasius* Fabricius, 1805, is to be accepted and *Lasius* Panzer, 1804, is to be rejected has already been laid before the International Commission on Zoological Nomenclature.

14. FORMICA Linnaeus

Linnaeus, 1758, Syst. Nat. ed. 10, 1 : 579

Latreille, 1810, Consid. génér. : 437

Curtis, 1839, Brit. Ent. 16 : pl. 752

Type (fixed by Curtis) = *Formica rufa* Linnaeus, 1758.

Note 1.—The fixation of *F. rufa* as type by Lamarck (1801) is invalid under the code (Opinion 79). Latreille (1810) gives *Formica herculeana* Linnaeus, 1758, as the type. This is a valid type-fixation, although followed by the words “ejusdem *rufa*.” If *Formica herculeana* were regarded as the type of *Formica*, very great confusion would result, as both *Formica* and *Camponotus* (in which *herculeana* is now placed) are very large genera. It is recommended that the type-designation of Curtis be upheld and that of Latreille (1810) be set aside (see p. 86 above).

Note 2.—*Formica picea* Nylander, 1846 is preoccupied by *F. picea* Leach, 1825. Myrmecologists do not appear to have decided what is the next available name for Nylander's species, so his name has been left for the present.

P O M P I L I D A E

1. CRYPTOCHEILUS Panzer

Panzer, 1806, Krit. Revis. 2 : 120

Westwood, 1840, Introd. mod. Class. Ins. 2 (synopsis) : 82

Type (fixed by Westwood) = *Sphex annulata* Fabricius, 1798 *nec* Lichtenstein, 1796 = *Salix annulatus* Richards, 1935.

Synonym. *Salix* Fabricius, 1805 (type, fixed by Bingham, 1897, *Salix bicolor* Fabricius, 1805) *nec* *Salix* Schrank, 1788.

2. PRIOCNEMIS Schiödte

Schiödte, 1837, Naturh. Tidskr. 1 : 324

Westwood, 1840, Introd. mod. Class. Ins. 2 (synopsis) : 82

Type (fixed by Westwood) = *Sphex exaltata* Fabricius, 1775.

Note 1.—The spelling of the name *Sphex perturbator* Harris, 1776 is rather doubtful. Harris (1776, Exp. English Insects : 95) in the text uses the spelling *perturbatur*, but on the last page of the index he uses “*purturbator*.” It is recommended that the spelling *perturbator* be used.

3. CALICURGUS Lepeletier

Lepeletier, 1845, Roret's Suite à Buffon, Hymén. 3 : 397

Kohl, 1885, Verh. zool.-bot. Ges. Wien 34 : 45

Type (fixed by Kohl) = *Calicurgus fasciatellus* Lepeletier, 1845 = *Pompilus fasciatellus* Spinola, 1808 = *Sphex hyalinata* Fabricius, 1793.

4. **DEUTERAGENIA** Šustera

Šustera, 1912, Verh. zool.-bot. Ges. Wien **62** : 191

Type (see below) = *Sphex variegata* Linnaeus, 1758.

Synonyms. *Agenia* Schiödte, 1837 (type, fixed by Westwood (1840) = *Sphex variegata* Linnaeus, 1758) *nec* Descourtilz, 1825. As *Deuteraenia* was specifically erected to replace *Agenia* Schiödte, they automatically have the same genotype. Another synonym is *Pogonius* Dahlbom, 1845 *nec* Leach, 1815.

5. **PSEUDAGENIA** Kohl

Kohl, 1885, Verh. zool.-bot. Ges. Wien **34** : 42

Type (by original designation) = *Sphex carbonaria* Scopoli, 1763.

Note.—*Auplopus* Spinola, 1841, *Ann. Soc. ent. Fr.* (2) **10** : 108, monobasic (type “variety” of *Pompilus femoratus* Fabricius, 1805), might be regarded as an earlier name for *Pseudagenia*. It was founded on what Spinola considered to be a variety of Fabricius’s species (S. American). The latter is placed by von Dalla Torre in *Pseudagenia*. Until Spinola’s specimen has been examined and until the genera of S. American POMPILIDÆ have been subjected to a revision, it would seem inexpedient to abandon the existing usage.

6. **ANOPLIUS** Dufour

Dufour, 1834, *Ann. Soc. ent. Fr.* **2** : 484

Ashmead, 1902, *Canad. Ent.* **34** : 86

Type (fixed by Ashmead) = *Anoplius niger* Dufour, 1834 = *Sphex nigerrima* Scopoli, 1763.

Note 1.—A proposal that the name *Psammochares* Latreille, 1796, which would otherwise be available for this genus, is to be permanently rejected has already been laid before the International Commission of Zoological Nomenclature.

Note 2.—The name *Pompilus* Fabricius, 1798, which should also strictly be applied to the present group, is dealt with as the next genus.

7. **POMPILUS** Fabricius

Fabricius, 1798, *Suppl. Ent. Syst.* : 212

Type (to be fixed by the International Commission) = *Pompilus pulcher* Fabricius, 1798.

Note 1.—*P. pulcher* Fabricius is a subspecies of *Sphex plumbea* Fabricius, 1787.

Note 2.—A proposal to fix *Pompilus pulcher* Fabricius, 1798 as the type of *Pompilus* Fabricius, 1798 has already been laid before the International Commission on Zoological Nomenclature.

Note 3.—A synonym is *Aporoideus* Ashmead, 1902, type (by original designation) *Pompilus sericeus* Van der Linden, 1827.

8. **EVAGETES** Lepeletier

Lepeletier, 1845, *Hist. nat. Ins. Hym.* **3** : 390

Type (monobasic) = *Evagetes bicolor* Lepeletier, 1845 = *Aporus dubius* Van der Linden, 1827.

9. **EPISYRON** Schiödte

Schiödte, 1837, *Naturh. Tidskr.* **1** : 341

Type (monobasic) = *Sphex rufipes* Linnaeus, 1758.

10. **APORUS** SpinolaSpinola, 1808, *Ins. Ligur.* **2** : 5**Type** (monobasic) = *Aporus unicolor* Spinola, 1808.

Note.—Spinola described two species of *Aporus* which are really the two sexes of a single species, his *bicolor* being the female of the species of which his *unicolor* is the male.

11. **HOMONOTUS** DahlbomDahlbom, 1845, *Hym. Europ.* **3** : 441Stein, 1859, *Berlin. ent. Z.* **3** : 62Šustera, 1912, *Verh. zool.-bot. Ges. Wien* **62** : 168**Type** (fixed by Šustera) = *Sphex sanguinolentus* Fabricius, 1793.

Note 1.—Dahlbom described this genus to include two species which are both *nomina nuda*. Ashmead's designation of one of them as type (1902) is therefore invalid. Stein (1859) included two species, of which Šustera (1912) designated *S. sanguinolenta* as the type.

Note 2.—Synonyms are :—*Isonotus* Dahlbom, 1842 *nec* Lepeletier and Serville, 1828; *Wesmaelinus* Costa, 1887. All three are isogenotypic.

12. **CEROPALES** LatreilleLatreille, 1796, *Préc. Car. génér. Ins.* : 123Latreille, 1802, *Hist. nat. Crust. Ins.* **3** : 339Latreille, 1810, *Consid. génér.* : 437Pate, 1935, *Ent. News*, **46** : 247**Type** (fixed by Latreille) = *Evania maculata* Fabricius, 1775.Synonym. *Hypsiceraeus* Morice and Durrant, 1914, with the same type.

Note.—Latreille first described this genus without included species but the genus is at least recognisable as a Psammocharid from the diagnosis. In 1802, however, he included (pp. 335, 340) in the genus several species, including *Evania maculata* Fabricius. In 1810, he definitely chose that species as the type. Pate (*loc. cit.*) has discussed the problem in detail.

VESPIDAE1. **EUMENES** LatreilleLatreille, 1802, *Hist. nat. Crust. Ins.* **3** : 360Latreille, 1810, *Consid. génér.* : 438**Type** (fixed by Latreille) = *Vespa coarctata* Linnaeus, 1758.2. **ODYNERUS** LatreilleLatreille, 1802, *Hist. nat. Crust. Ins.* **3** : 362**Type** (monobasic) = *Vespa spinipes* Linnaeus, 1758.

Note 1.—Latreille described his genus for *Vespa spinipes* Linnaeus and for what he termed *Vespa muraria* Linnaeus. In 1804 (in *Sommieri's Buffon* **13** : 347), Latreille states that his *Vespa muraria* is the same as the species whose habits are described in detail by Réaumur. Saussure (1852, *Mon. Guêpes Solit.* **1** : 233) states that Réaumur's species was *Vespa spinipes* Linnaeus. *Odynerus* is, therefore, effectively monobasic. Westwood (1840) designated *Vespa muraria* Linnaeus as the type. This designation might be regarded as valid, but, under Opinion 65 of the Code, a certain latitude is allowed in such cases. It is recommended that, following Bequaert (1919), *V. spinipes* be regarded as the type (see p. 86 above).

Note 2.—Synonyms :—*Epipone* Kirby and Spence, 1815 *nec* Latreille, 1804; *Oplopus* Wesmael, 1836; *Oplomerus* Westwood, 1840 *nec* Dejean, 1834; *Euepipona* Dalla Torre, 1904.

All these genera have *Vespa spinipes* Linnaeus as their type.

3. PSEUDEPIPONA Saussure

Saussure, 1856, Monogr. Guêpes solit. Suppl. : 309

Type (monobasic) = *Odynerus herrichii* Saussure, 1856.

Note 1.—A synonym is *Leionotus* Saussure, 1852 *nec* Kirby, 1837.

Note 2.—Bequaert uses the generic name *Rygchium* Spinola, 1806 (type *Rygchium europeum* Spinola, 1806 = *Vespa oculata* Fabricius, 1781) for this group. I suspect that *Rygchium* will ultimately be found to be separable from *Pseudepipona*, and, on the advice of Dr. R. C. L. Perkins, I am not introducing the former name into the British List.

4. ANCISTROCERUS Wesmael

Wesmael, 1836, Bull. Acad. Sci. Brux. **3** : 45

Girard, 1879, Traité élém. d'Ent. **2** : 900

Type (fixed by Girard) = *Vespa parietum* Linnaeus, 1758.

Note.—Westwood's fixation of *V. parietinus* Linnaeus, 1761, is invalid because the species was not originally included.

5. SYMMORPHUS Wesmael

Wesmael, 1836, Bull. Acad. Sci. Brux. **3** : 45

Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 162

Type (fixed by Richards) = *Odynerus elegans* Wesmael, 1833.

Note 1.—Ashmead (1902) designated *Vespa sinuata* Fabricius as the type but this species was not originally included.

Note 2.—A synonym is *Protodynerus* Saussure, 1856, erected to replace *Symmorphus* because of its supposed preoccupation by *Symmorpha* Klug, 1807.

6. MICRODYNERUS Thomson

Thomson, 1874, Hym. Scand. **3** : 58

Jones, 1937, Ent. mon. Mag. **73** : 15

Type (fixed by Jones) = *Odynerus exilis* Herrich-Schäffer, 1839.

7. VESPA Linnaeus

Linnaeus, 1758, Syst. Nat. (ed. 10) **1** : 572

Latreille, 1810, Consid. génér. : 438

Type (fixed by Latreille) = *Vespa crabro* Linnaeus, 1758.

Synonym. *Macrovespa* Dalla Torre, 1904, with the same type (fixed by Bequaert, 1930).

8. VESPULA Thomson

Thomson, 1869, Opusc. ent. **1** : 79

Ashmead, 1902, Canad. Ent. **34** : 164

Type (fixed by Ashmead) = *Vespa austriaca* Panzer, 1799.

Note 1.—A synonym is *Pseudovespa* Schmiedeknecht, 1881 (monobasic, with the same type). *Vespa rufa* Linnaeus is another species of the subgenus *Vespula*.

Note 2.—The following are subgenera, (a) *Dolichovespula* Rohwer, 1916, type *Vespa maculata* Linnaeus, 1763 (by original designation); this also includes *V. media* Retzius, (b) *Pseudovespula* Bischoff, 1930, type *Vespa norvegica* var. *adulterina* Du Buysson, 1905 (by original designation); this includes also *V. norvegica* Fabricius, *V. sylvestris* Scopoli, *V. omissa* Bischoff, etc. The subgeneric group containing *V. vulgaris* Linnaeus, *V. germanica* Fabricius, etc., is at present without a name.

SPHECIDAE

1. ASTATA Latreille

Latreille, 1796, Préc. Car. génér. Ins. : 114 and xiii
Latreille, 1802, Hist. nat. Crust. Ins. 3 : 336

Type (fixed by Latreille) = *Tiphia abdominalis* Panzer, 1798 = *Sphex boops* Schrank, 1781.

Note.—The spelling *Astatus* on p. 114 was emended to *Astata* on p. xiii. The genus was originally described without included species. In 1802 Latreille included a single species, which automatically becomes the type.

2. TACHYSPHEX Kohl

Kohl, 1883, Deuts. ent. Z. 27 : 166
Bingham, 1897, Fauna Brit. India Hym. 1 : 192

Type (fixed by Bingham) = *Tachysphex filicornis* Kohl, 1883.

3. DINETUS Panzer

Panzer, 1806, Krit. Rev. 2 : 192

Type (monobasic) = *Crabro pictus* Fabricius, 1793.

4. MISCOPHUS Jurine

Jurine, 1807, Nouv. Méth. Class. Hym. : 206, pl. 4

Type (monobasic) = *Miscophus bicolor* Jurine, 1807.

5. TRYPOXYLON Latreille

Latreille, 1796, Préc. Car. génér. Ins. : 121
Latreille, 1802, Hist. nat. Crust. Ins. 3 : 338

Type (only species placed in the genus when species first cited) = *Sphex figulus* Linnaeus, 1758.

Note.—The genus was originally described without included species. Latreille (1802) included a single species, *S. figulus* Linnaeus, which automatically becomes the type.

6. AMMOPHILA Kirby

Kirby, 1798, Trans. linn. Soc. Lond. 4 : 199
Latreille, 1810, Consid. génér. : 437

Type (fixed by Latreille) = *Sphex sabulosa* Linnaeus, 1758 = *Ammophila vulgaris* Kirby, 1798.

Note.—*Sphex* Linnaeus, 1758 (*Syst. nat.* (ed. 10), 1 : 569) has had its type fixed by Fernald (1905, *Ent. News* 16 : 163) as *Sphex sabulosa* Linnaeus, 1758. Until Fernald published his paper, the genus *Sphex* had universally been used as if *Sphex flavipennis* Fabricius, 1793 were the type. An extensive biological

literature has grown up around the names *Ammophila* and *Sphex* (in the wrong sense).

A proposal has already been laid before the International Commission on Zoological Nomenclature that the following names be added to the Official List of Generic Names :—*Ammophila* Kirby, type *Sphex sabulosa* Linnaeus and *Sphex* Linnaeus, type *Sphex flavipennis* Fabricius.

7. PODALONIA Spinola

Spinola, 1853, Mem. Acad. sci. Torino (2) 13 : 51

Type (monobasic) = *Ammophila bocandei* Spinola, 1853.

Synonym. *Psammophila* Dahlbom, 1842 *nec* Brown, 1827.

8. SPILOMENA Shuckard

Shuckard, 1838, Trans. ent. Soc. Lond. (1) 2 : 79 (footnote)

Type (monobasic) = *Stigmus troglodytes* Van der Linden, 1829.

9. STIGMUS Panzer

Panzer, 1804, Faun. Ins. Germ. 86 : 7

Type (monobasic) = *Stigmus pendulus* Panzer, 1804.

10. PEMPHREDON Latreille

Latreille, 1796, Préc. Car. génér. Ins. : 128

Latreille, 1802, Hist. nat. Crust. Ins. 3 : 341

Latreille, 1810, Consid. génér. : 438

Type (fixed by Latreille) = *Crabro lugubris* Fabricius, 1793.

Note 1.—The genus was first described without included species. In 1802, Latreille included two species, *lugubris* Fabricius and *leucostoma* Linnaeus (*Sphex leucostoma* Linnaeus, 1758). In 1810 he fixed the type as *Cemonus unicolor* Jurine, but that species is synonymous with *Crabro lugubris* Fabricius (*see* Blüthgen, 1931).

Note 2.—*Pemphredon* Latreille included all the genera now placed in the subfamily PEMPHREDONINAE. The characters that Latreille gave for the genus in different publications are subject to variation. In 1796, the characters given agree better with *Diodontus* Curtis, though, as the abdomen is stated to be petiolated, the diagnosis is not accurate even for that group. Some authors (*e.g.* Westwood, 1837) have regarded *Pemphredon* as the correct name for *Diodontus*. It appears more satisfactory, however, to treat *Crabro lugubris* Fabricius as the type of *Pemphredon* Latreille, in accordance with modern practice.

11. CEMONUS Panzer

Panzer, 1806, Krit. Rev. 2 : 186

Blüthgen, 1931, Konowia 10 : 121

Type (monobasic) = *Sphex unicolor* Panzer, 1797 *nec* Fabricius, 1787 = *Pemphredon rugifer* Dahlbom, 1845.

Synonyms. *Dineurus* Westwood, 1837 (type *Pelopaeus unicolor* Westwood = *Cemonus shuckardi* Morawitz, 1864); *Diphlebus* Westwood, 1840 (with the same type); *Chevrieria* Kohl, 1884 (type *Pemphredon unicolor* of authors).

Note 1.—Blüthgen (1931) has discussed the involved synonymy of this group and comes to different conclusions. He is unwilling to accept Panzer's publication of *Cemonus* as valid. *Cemonus*, therefore, dates for him from Jurine,

1807, but the type of Jurine's genus is *Pemphredon lugubris* Fabricius (since Jurine's specimen of *Cemonus unicolor* was a specimen of *lugubris* misidentified as *unicolor* Panzer).

Note 2.—*Sphex unicolor* Panzer, 1797, is a newly described species, not a redescription or misidentification of Fabricius' species of the same name.

12. CERATOPHORUS Shuckard

Shuckard, 1837, Fossorial Hymen. : 198

Type (monobasic) = *Pemphredon morio* Van der Linden, 1829.

13. DIODONTUS Curtis

Curtis, 1834, Brit. Ent. 11 (124) No. 496 : pl. 496

Type (fixed by Curtis) = *Psen pallipes* Curtis (? of Panzer) = *Pemphredon tristis* Van der Linden, 1829.

Note 1.—Synonym. *Xylocelia* Rohwer, 1915, type *Diodontus occidentalis* Fox, 1892.

Note 2.—Rohwer (*loc. cit.*) takes the view that as Curtis cited "*Psen pallipes* Panzer" as the type of *Diodontus*, his citation must be taken literally. At the time Rohwer wrote it was thought that *Psen pallipes* Panzer was the same as *Trypoxylon atratum* Fabricius, 1805 = *Psenulus atratus* (Fab.). It is now held (cf. Harttig, 1931, Stett. Ent. Ztg. 92 : 206) that the identity of Panzer's species is uncertain; it is probably a *Psenulus*, but, if so, the figure of the venation is inaccurate or the specimen was abnormal.

Curtis (*loc. cit.*) gives *Pemphredon tristis* Van der Linden as a doubtful synonym of his "*Psen pallipes* Panzer"; later it was admitted that he had been mistaken in Panzer's species and that his specimens belonged to *Pemphredon tristis* (cf. Shuckard, 1837, Fossorial Hymen. : 184).

It appears, therefore, that at least Rohwer's proposal to transfer the name *Diodontus* to the species now usually included in *Psenulus* is incorrect. If *Psen pallipes* Panzer were regarded as the type of *Diodontus*, that genus would have an unrecognisable species as type. It is recommended, therefore, that *Pemphredon tristis* Van der Linden, 1829, which Curtis places (with some doubt) in the synonymy of his genotype and was later shown to be the correct name for it, be treated as the type of *Diodontus* (see p. 87 above).

14. PASSALOECUS Shuckard

Shuckard, 1837, Fossorial Hymen. : 188

Type (fixed by Shuckard) = *Pemphredon insignis* Van der Linden, 1829.

15. MIMESA Shuckard

Shuckard, 1837, Fossorial Hymen. : 228

Type (fixed by Shuckard) = *Trypoxylon equestre* Fabricius, 1805.

Note.—The date of *T. equestre* is the emended date of the *Syst. Piez.* (see note under the genus *Dryinus* Latr. on p. 118 above).

16. PSEN Latreille

Latreille, 1796, Préc. Car. génér. Ins. : 122

Latreille, 1802, Hist. nat. Crust. Ins. 3 : 338

Type (only species placed in the genus when species first cited) = *Sphex atra* Fabricius, 1794.

Note 1.—Latreille (1796) described the genus without included species. In 1802, he included a single species, *Sphex atra* Fabricius, which automatically becomes the type.

Note 2.—Synonyms. *Dahlbomia* Wissmann, 1849; *Mesopora* Wesmael, 1852. Both genera are monobasic with the same type.

17. PSENULUS Kohl

Kohl, 1896, Ann. naturh. Hofmus. Wien **11** : 293

Ashmead, 1899, Canad. Ent. **31** : 224

Type (fixed by Ashmead) = *Psen fuscipennis* Dahlbom, 1844.

Synonyms. *Neofoxia* Viereck, 1901 (type *Psen atrata* Panzer = *Trypoxylon atratum* Fabricius, 1805); *Diodontus* Rohwer, 1915 *nec* Curtis (see note 2 under *Diodontus* Curtis, p. 131).

18. OXYBELUS Latreille

Latreille, 1796, Préc. Car. génér. Ins. : 122

Latreille, 1802, Hist. nat. Crust. Ins. **3** : 342

Type (only species placed in genus when species first cited) = *Vespa uniglumis* Linnaeus, 1758.

Note.—Latreille (1796) described the genus without included species. In 1802, he included a single species which automatically becomes the genotype.

19. CRABRO Fabricius

Fabricius, 1775, Syst. Ent. : 373

Latreille, 1810, Consid. génér. : 438

Type (fixed by Latreille) = *Vespa cribraria* Linnaeus, 1758.

Synonyms. *Thyreopus* Lepeletier and Brullé, 1835 (type *Vespa cribraria* Linnaeus, fixed by Westwood (1840)). *Pemphilis* Risso, 1826 (type *Vespa cribraria* Linnaeus, fixed by Pate, 1935).

Note.—*Crabro* Fabricius, 1775, is antedated by *Crabro* Geoffroy, 1762. The latter genus corresponds to the well-known sawfly group now placed under *Cimbex* Olivier, 1790 (see Bradley, 1916). A proposal has already been laid before the International Commission on Zoological Nomenclature that the name *Crabro* Geoffroy be permanently rejected.

20. COELOCRABRO Thomson

Thomson, 1874, Hymen. Scand. **3** : 262

Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 166

Type (fixed by Richards) = *Crabro pubescens* Shuckard, 1837.

21. ABLEPHARIPUS Perkins

Perkins, 1913, Trans. ent. Soc. Lond. **1913** : 390, 394

Type (monobasic) = *Crabro podagricus* Van der Linden, 1829.

22. CROSSOCERUS Lepeletier and Brullé

Lepeletier and Brullé, 1835, Ann. Soc. ent. Fr. **3** : 763

Westwood, 1839, Introd. mod. Class. Ins. **2** (synopsis) : 80

Type (fixed by Westwood) = *Crabro scutatus* Fabricius, 1787 = *Sphex palmaria* Schreber, 1784 = *Sphex palmipes* Linnaeus, 1767.

23. **BLEPHARIPUS** Lepeletier and Brullé

Lepeletier and Brullé, 1835, Ann. Soc. ent. Fr. **3** : 728

Westwood, 1839, Introd. mod. Class. Ins. **2** (synopsis) : 80

Type (fixed by Westwood) = *Crabro dimidiatus* Fabricius, 1781 = *Blepharipus pauperatus* Lepeletier and Brullé, 1835 = *Crabro serripes* Panzer, 1797.

Note 1.—Westwood's fixation is valid because the species he chose is a synonym of one originally included. The type species is usually known by Panzer's name since two species were confused under *Crabro dimidiatus*. Richards (1935) has re-examined Fabricius's type.

Note 2.—A synonym is *Cuphopterus* Morawitz, 1866, founded to include *C. serripes* Panzer, 1798, and *C. signatus* Panzer, 1798.

24. **ACANTHOCRABRO** Perkins

Perkins, 1913, Trans. ent. Soc. Lond. **1913** : 391 and 395

Type (monobasic) = *Crabro vagabundus* Panzer, 1798.

Synonym. *Blepharipus* Morawitz *nec* Lepeletier and Brullé.

25. **HOPLOCRABRO** Thomson

Thomson, 1874, Hym. Scand. **3** : 262

Type (monobasic) = *Crabro quadrimaculatus* Fabricius, 1793.

26. **CLYPEOCRABRO** Richards

Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 167

Type (monobasic) = *Apis clypeata* Schreber, 1759.

Synonym. *Thyreus* Lepeletier and Brullé, 1835 *nec* Panzer, 1806, *nec* Swainson, 1821.

27. **CLYTOCHRYsus** Morawitz

Morawitz, 1864, Bull. Acad. Sci. St. Petersburg. **7** : 453

Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 167

Type (fixed by Richards) = *Crabro chrysostomus* Lepeletier and Brullé, 1835.

Note.—The date of this genus is often wrongly given as 1866. Ashmead (1899) fixed as type "*Crabro sexcinctus* Panzer," but that species was not included in 1864.

28. **SOLENIUS** Lepeletier and Brullé

Lepeletier and Brullé, 1835, Ann. Soc. ent. Fr. **3** : 713

Westwood, 1839, Introd. mod. Class. Ins. **2** (synopsis) : 80

Type (fixed by Westwood) = *Sphex vaga* of authors = *Crabro continuus* Fabricius, 1805.

Note.—Lepeletier and Brullé (1835, Ann. Soc. ent. France **3** : 713) founded a genus *Solenius* for a number of species including one which they termed "*Solenius vagus*." In the synonymy of this species they placed *Sphex vaga* Linnaeus and *Crabro vagus* of Fabricius, Panzer, etc. They cited no genotype. Westwood (1839, Introd. mod. Class. Ins. **2** (synopsis) : 80) cited "*Sphex vaga* Linn. Pz. 46.10" as the type.

From Lepeletier and Brullé's description of their *Solenius vagus* it is clear that they had before them the well-known Crabronid (*Solenius continuus* Fabricius, 1805) and not the true *Sphex vaga* Linnaeus, 1758 (= *Mellinus arvensis* (Linnaeus, 1758)). Therefore, either (a) Westwood was citing as the

type a species not originally included, or (*b*) he was referring to *Sphex vaga* in the sense of authors, not of Linnaeus. His reference to Panzer (1797, Faun. Ins. Germ. **46** : 10) makes it clear that alternative (*b*) is the correct one (see p. 86 above).

29. **ECTEMNIUS** Dahlbom

Dahlbom, 1845, Hym. europaea **3** : 389
Ashmead, 1899, Canad. Ent. **31** : 172

Type (fixed by Ashmead) = *Crabro* (*Ectemnius*) *guttatus* Van der Linden, 1829.

30. **METACRABRO** Ashmead

Ashmead, 1899, Canad. Ent. **31** : 169

Type (by original designation) = *Crabro kollari* Dahlbom, 1845 = *Crabro lituratus* Panzer, 1804.

31. **CORYNOPUS** Lepeletier and Brullé

Lepeletier and Brullé, 1835, Ann. Soc. ent. Fr. **3** : 802

Type (monobasic) = *Crabro tibialis* Fabricius, 1798 *nec* Olivier, 1791 = *Sphex coarctata* Scopoli, 1763.

Synonym. *Rhopalum* auctt. *nec* Stephens.

32. **RHOPALUM** Stephens

Stephens, 1829, Nomencl. Brit. Ins. : 34
Curtis, 1837, Brit. Ent. **14** : pl. 656

Type (fixed by Curtis) = *Crabro rufiventris* Panzer, 1799 = *Sphex clavipes* Linnaeus, 1758.

Note 1.—A synonym is *Physoscelus* Lepeletier and Brullé, 1835 (type, fixed by Westwood, *C. rufiventris* Panzer).

Note 2.—An earlier name is *Euphilis* Risso, 1826 (type, fixed by Pate, 1935, *Euphilis rufiventris* Risso = *Sphex clavipes* Linnaeus). Until discovered by Pate, this name appears never to have been used since its original publication and it is recommended that it be allowed to remain in the decent obscurity to which it has been accustomed (see p. 88 above).

33. **LINDENIUS** Lepeletier and Brullé

Lepeletier and Brullé, 1835, Ann. Soc. ent. Fr. **3** : 791
Westwood, 1839, Introd. mod. Class. Ins. **2** (synopsis) : 80

Type (fixed by Westwood) = *Crabro albilabris* Fabricius, 1793.

34. **ENTOMOGNATHUS** Dahlbom

Dahlbom, 1844, Hym. europaea **1** : 295

Type (monobasic) = *Crabro brevis* Van der Linden, 1829.

35. **NYSSON** Latreille

Latreille, 1796, Préc. Car. génér. Ins. : 125 (*Nysso*)
Latreille, 1802, Hist. nat. Crust. Ins. **3** : 340
Latreille, 1810, Consid. génér. : 438

Type (fixed by Latreille) = *Mellinus tricinctus* Fabricius, 1793 = *Crabro spinosus* Fabricius, 1775 = *Sphex spinosa* Forster, 1771.

Note 1.—It is recommended that Latreille's original spelling, *Nysso*, be emended as above, following the universal practice of hymenopterists (see p. 84 above).

Note 2.—Latreille (1796) described the genus without included species. In 1802, he included two species, one being *Crabro spinosus* Fabricius. In 1810, he fixed *Mellinus tricinctus* Fabricius as the type; this fixation is valid since *M. tricinctus* is a synonym of *C. spinosus*.

36. GORYTES Latreille

Latreille, Sept. 1804, *Hist. nat. Crust. Ins.* **13** : 308

Latreille, 1810, *Consid. génér.* : 438

Type (fixed by Latreille) = *Sphex mystacea* Linnaeus, 1761.

Note.—Latreille also described the genus *Gorytes* in March 1804, *Nouv. Dict. Hist. nat.* **24** : 180, where the genus was based on *Mellinus quinquecinctus* Fabricius (1793). It is recommended, however, to avoid confusion, that the genus be based on the description in *Hist. nat. Crust. Ins.* **13** and on the 1810 type-fixation (see p. 89 above).

37. HOPLISUS Lepeletier

Lepeletier, 1832, *Ann. Soc. ent. Fr.* **1** : 61

Westwood, 1839, *Introd. mod. Class. Ins.* **2** (synopsis) : 80

Type (fixed by Westwood) = *Mellinus quinquecinctus* Fabricius, 1793.

Note.—Synonym (or subgenus) :—*Lestiphorus* Lepeletier, 1832, type *Crabro bicinctus* Rossi, 1792. Another synonym is *Euspongyus* Lepeletier, 1822, type *E. laticinctus* Lepeletier, 1832.

38. HARPACTUS Shuckard

Shuckard, 1837, *Fossorial Hymen.* : 221

Type (by original designation) = *Arpactus formosus* Jurine, 1807 = *Mutilla laevis* Latreille, 1792.

Note.—This genus is usually referred to under the above name but attributed to Jurine. Panzer (1806) and Jurine (1807) described a genus *Arpactus* of which the type is *Arpactus campestris* Panzer = *Sphex mystacea* Linnaeus, 1761. *Arpactus* is, therefore, a synonym of *Gorytes* Latreille, 1804. Dahlbom (1844) emended *Arpactus* to *Harpactes*, but the latter name is preoccupied by Swainson, 1833. It is recommended that Shuckard's (1837) suggested emendation be employed and be treated as a new name, with type as indicated above (see p. 89 above). This will preserve the name *Harpactus* in the sense usually employed by recent hymenopterists.

39. DIDINEIS Wesmael

Wesmael, 1852, *Bull. Acad. Sci. Belg.* **19** : 109

Type (monobasic) = *Pompilus lunicornis* Fabricius, 1798.

40. MELLINUS Fabricius

Fabricius, 1790, *Skrivt. naturh. Selsk. Kjobenhavn* **1** : 226

Latreille, 1810, *Consid. gén.* : 438

Type (fixed by Latreille) = *Mellinus ruficornis* Fabricius, 1793 = *Crabro sabulosus* Fabricius, 1787.

Note.—Latreille adds a second name (*M. pratensis* Jurine = *Vespa arvensis* Linnaeus, 1758) to his designation, but the names are separated by a dash. The first mentioned can be regarded as the type.

41. PHILANTHUS Fabricius

Fabricius, 1790, Skrivt. naturh. Selsk. Kjøbenhavn 1 : 224

Latreille, 1810, Consid. gén. : 438

Type (fixed by Latreille) = *Philanthus pictus* Fabricius, 1805 = *Vespa triangulum* Fabricius, 1775.

Note.—Latreille, besides the type species, cites a second species, *P. coronatus* Fabricius, 1790; but as the second name is preceded by the word “*ejusd.*,” the first species can be regarded as the type.

42. CERCERIS Latreille

Latreille, 1802, Hist. nat. Crust. Ins. 3 : 367

Latreille, 1810, Consid. gén. : 438

Type (fixed by Latreille) = *Philanthus ornatus* Fabricius, 1790 = *Sphex rybyensis* Linnaeus, 1771.

A P I D A E**1. COLLETES** Latreille

Latreille, 1802, Hist. nat. Fourmis : 423

Type (monobasic) = *Apis succincta* Linnaeus, 1758.

Note.—Latreille’s *Apis succincta* has been supposed to be another species, viz. the one now known as *Colletes balteata* Nylander, 1852. This is congeneric with *Apis succincta* Linnaeus.

2. PROSOPIS Fabricius

Fabricius, 1805, Syst. Piez. : 293

Morice and Durrant, 1914, Trans. ent. Soc. Lond. 1914 : 417

Type (fixed by Morice and Durrant) = *Sphex signata* Panzer, 1798 = *Mellinus bipunctatus* Fabricius, 1798.

Note 1.—The amended date of the *Syst. Piez.* is given (see note under *Dryinus* Latr. on p. 118 above).

Note 2.—*Hylaeus* Fabricius (1793, *Ent. Syst.* 2 : 302) with type (fixed by Latreille, 1810) *Apis annulata* Linnaeus, 1758, is an earlier name for *Prosopis*. But a proposal has already been laid before the International Commission on Zoological Nomenclature that the name *Hylaeus* be rejected.

3. HALICTUS Latreille

Latreille, 1804, Nouv. Dict. Hist. nat. 24 : 182

Richards, 1935, Trans. R. ent. Soc. Lond. 83 : 170

Type (fixed by Richards) = *Hylaeus quadricinctus* Fabricius = *Apis quadricincta* Fabricius, 1776.

Note.—The above reference gives the actual first description of the genus by Latreille. In this publication only three species, viz. *Andrena rufipes* Fabricius, *Hylaeus 4-cinctus* Fabricius, and *Hylaeus flavipes* Fabricius are mentioned. This invalidates all subsequent type-fixations (except Richards, 1935).

4. SPHECODES Latreille

Latreille, 1804, Nouv. Dict. Hist. nat. 24 : 182

Type (monobasic) = *Nomada gibba* Fabricius, 1775 = *Sphex gibba* Linnaeus, 1758.

5. **ANDRENA** Fabricius

Fabricius, 1775, Syst. Ent. : 376

Viereck, 1912, Proc. U.S. Nat. Mus. **42** : 613

Type (fixed by Viereck) = *Apis helvola* Linnaeus, 1758.

Note.—*Apis cineraria* Linnaeus, 1758, has almost universally been regarded as the type, but was not an originally included species.

6. **MELITTA** Kirby

Kirby, 1802, Mon. Apum Angl. **1** : 130-4; **2** : 4

Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 172

Type (fixed by Richards) = *Melitta tricineta* Kirby, 1802.

Synonym. *Cilissa* Leach, 1815, with type (fixed by Westwood, 1840)
Andrena haemorrhoidalis Fabricius, 1775.

7. **MACROPIS** Klug

Klug in Panzer, [1806]–[1809], Faun. Ins. Germ. **109** : fig. 16

Type (monobasic) = *Megilla labiata* Fabricius, 1805.

Note.—An earlier name is *Megilla* Fabricius, 1805 (type *M. labiata* Fabricius, 1805, by designation of Westwood, 1840, *Introd. Mod. Class. Ins.* **2** (synopsis) : 158). This designation was overlooked by Richards (1935, *Trans. R. ent. Soc. Lond.* **83** : 172). It is recommended that Klug's name be allowed to stand (see p. 90 above).

8. **PANURGUS** Panzer

Panzer, 1806, Krit. Rev. **2** : 209

Latreille, 1810, Consid. génér. : 439

Type (fixed by Latreille) = *Dasyпода lobata* Fabricius = *Panurgus lobatus* Panzer, 1806 = *Apis calcarata* Scopoli, 1763.

9. **DUFOUREA** Lepeletier

Lepeletier, 1841, Hist. nat. Ins. Hym. **2** : 227

Richards, 1935, Trans. R. ent. Soc. Lond. **83** : 172

Type (fixed by Richards) = *Dufourea minuta* Lepeletier, 1841.

10. **ROPHITES** Spinola

Spinola, 1808, Ins. Ligur. : 8

Type (monobasic) = *Rophites quinquespinosus* Spinola, 1808.

Note.—The generic name is usually printed in the emended spelling *Rhophites*.

11. **DASYPODA** Latreille

Latreille, 1802, Hist. nat. Fourmis : 424

Latreille, 1810, Consid. gén. : 439

Type (fixed by Latreille) = *Andrena hirtipes* Fabricius, 1793.

12. **ANTHOPHORA** Latreille

Latreille, 1803, Nouv. Dict. Hist. nat. **18** : 167

Latreille, 1810, Consid. génér. : 439

Type (fixed by Latreille) = *Megilla pilipes* Fabricius = *Apis acervorum* Linnaeus, 1758.

Note 1.—A proposal has already been laid before the International Com-

mission of Zoological Nomenclature that the name *Anthophora* Latreille, 1803, is to be accepted and the name *Podalirius* Latreille, 1802 rejected.

Note 2.—A synonym of *Anthophora* is *Saropoda* Latreille, 1809, with type *Apis binaculata* Panzer, 1798. *Saropoda* is probably of subgeneric value, but the genus *Anthophora* still awaits a proper revision.

13. EUCERA Scopoli

Scopoli, 1770, *Ann. Hist. nat.* **4** : 8
Latreille, 1810, *Consid. génér.* : 439

Type (fixed by Latreille) = *Apis longicornis* Linnaeus, 1758.

14. MELECTA Latreille

Latreille, 1802, *Hist. nat. Fourmis* : 427
Latreille, 1810, *Consid. génér.* : 439

Type (fixed by Latreille) = *Apis punctata* Fabricius, 1775 = *Andrena armata* Panzer, 1799 *nec* Gmelin, 1790.

15. EPEOLUS Latreille

Latreille, 1802, *Hist. nat. Fourmis* : 427

Type (monobasic) = *Nomada variegata* Fabricius = *Apis variegata* Linnaeus, 1758 = *Epeolus productus* Thomson, 1870.

16. NOMADA Scopoli

Scopoli, 1770, *Ann. Hist. nat.* **4** : 44
Curtis, 1832, *Brit. Ent.* **9** : pl. 419

Type (fixed by Curtis) = *Apis ruficornis* Linnaeus, 1758 (*nec* auct.).

Note.—Scopoli (1770) erected *Nomada* for eight species of which only one (now known as *Andrena praecox*) is definitely recognised, though *N. riparia* may be the species now known as *Andrena carbonaria* (L.) and *N. vespiformis* may be *Nomada flava* Panzer. In 1775, Fabricius used the name in its modern sense. There is little reason to believe that *Nomada ruficornis* Scopoli, 1770, is the same as *Apis ruficornis* Linnaeus, 1758, but as there is no type (*see* Horn, 1929, *Suppl. Ent.* **17** : 117) of the former and the description is inadequate, the most satisfactory course is to synonymise them. Otherwise, *Nomada* will have to have a type of unknown characters. As the genus is of very large size, this course would lead to confusion.

17. CERATINA Latreille

Latreille, 1802 (May–July), *Hist. nat. Crust. Ins.* **3** : 380

Type (monobasic) = *Hylaeus albilabris* Fabricius, 1793 = *Apis cucurbitina* Rossi, 1792.

Note.—*Clavicera* Latreille (April 1802, *Hist. nat. Fourmis* : 432) antedates *Ceratina* (for the dates of these publications *see* Richards (1935)). In view of the universal currency of *Ceratina* and of the fact that *Clavicera* has only once been used in this sense (Walckenaer, 1802) since its original publication, it is recommended that the name *Clavicera* be suppressed (*see* p. 91 above).

18. MEGACHILE Latreille

Latreille, 1802, *Hist. nat. Fourmis* : 434
Latreille, 1810, *Consid. génér.* : 439
Curtis, 1828, *Brit. Ent.* **5** : pl. 218

Type (fixed by Curtis) = *Apis centuncularis* Linnaeus, 1758.

Note.—Latreille (1810) fixed *Apis muraria* Retzius, 1783, as the type (though he also included certain other species preceded by the word “ejusdem”). Mitchell (1934, *Trans. ent. Soc. Amer.* **59** : 296–7) follows Latreille. In view of the fact that *Apis muraria* Retzius is the type of a distinct group, *Chalicodoma* Lepeletier, 1841, while *Apis centuncularis* Linnaeus is typical of *Megachile* in the sense of nearly all modern hymenopterists, it is recommended that Latreille’s fixation be suppressed and that of Curtis upheld (see p. 91 above).

19. COELIOXYS Latreille

Latreille, 1809, *Gen. Crust. Ins.* **4** : 166

Type (monobasic) = *Apis conica* Linnaeus, 1758 (p. 578) = *Apis quadridentata* Linnaeus, 1758 (p. 577).

20. ANTHIDIUM Fabricius

Fabricius, 1805, *Syst. Piez.* : 364

Latreille, 1810, *Consid. génér.* : 439

Type (fixed by Latreille) = *Apis manicata* Linnaeus, 1758.

Note.—The emended date for the *Syst. Piez.* is given (see note under *Dryinus* Latreille on p. 118 above).

21. STELIS Panzer

Panzer, 1806, *Krit. Rev.* **2** : 246

Type (monobasic) = *Apis aterrima* Panzer, 1798 *nec* Christ, 1791 = *Apis punctulatissima* Kirby, 1802.

22. OSMIA Panzer

Panzer, 1806, *Krit. Rev.* **2** : 230

Latreille, 1810, *Consid. génér.* : 439

Type (fixed by Latreille) = *Apis bicornis* Linnaeus, 1758 = *Apis rufa* Linnaeus, 1758.

23. HERIADES Spinola

Spinola, 1808, *Ins. Ligur.* **2** : 7

Latreille, 1810, *Consid. génér.* : 439

Type (fixed by Latreille) = *Apis truncorum* Linnaeus, 1758.

Note.—According to Spinola’s usage, the name *Heriades* is feminine.

24. CHELOSTOMA Latreille

Latreille, 1809, *Gen. Crust. Ins.* **4** : 161

Type (monobasic) = *Apis maxillosa* Linnaeus, 1761 = *Apis florisomnis* Linnaeus, 1758.

25. BOMBUS Latreille

Latreille, 1802, *Hist. nat. Fourmis* : 437

Type (monobasic) = *Apis terrestris* Linnaeus, 1758.

Note.—*Bremus* Panzer (1801, *Faun. Ins. Germ.* **185** : pls. 19–21) antedates *Bombus* Latreille. In view of the almost universal currency of the name *Bombus* (at least in Europe) it is recommended that the name *Bremus* Panzer be suppressed (see p. 92 above).

26. **PSITHYRUS** Lepeletier

Lepeletier, 1833, Ann. Soc. ent. Fr. **1** : 374

Curtis, 1835, Brit. Ent. **10** : pl. 468

Type (fixed by Curtis) = *Apis rupestris* Fabricius, 1793.

27. **APIS** Linnaeus

Linnaeus, 1758, Syst. Nat. (ed. 10) **1** : 343, 575

Latreille, 1810, Consid. gén. : 439

Type (fixed by Latreille) = *Apis mellifica* Linnaeus, 1766 = *Apis mellifera* Linnaeus, 1758.

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