

Annotated catalogue of the types of Braconidae (Hymenoptera) in the Oxford University Museum

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Key words: Braconidae; types; Neotropical; Oriental; Australian; Palaearctic.

An annotated catalogue of the types of Braconidae in the Hope Entomological Collections, University Museum, Oxford, is given. The following new combinations are proposed: *Aleiodes rothneyi* (Shenefelt, 1975); *Aniphiaulax agraensis* (Cameron, 1897); *Balcemena ruficollis* (Cameron, 1899); *Bicarinibracon tricarinatus* (Cameron, 1897); *Blastomorpha intrudens* (Smith, 1859); *Campyloneurus firmus* (Cameron, 1900); ?*C. itea* (Cameron, 1897); *Capitonius amazonicus* (Westwood, 1882); *C. columbianus* (Westwood, 1882); *C. gerasinorum* (Westwood, 1882); *C. nigritus* (Westwood, 1882); *C. sexnotatus* (Westwood, 1882); *Cotesia taprobanae* (Cameron, 1897); *Craspedolcus* (s.l.) *phaedo* (Cameron, 1899); *C. (s.s.) seditus* (Cameron, 1899); *C. (s.s.) pauperatus* (Cameron, 1900); *Ectemnoplax ceylonica* (Cameron, 1897); *Euagathis nigritarsis* (Cameron, 1899); *Halycaea ruficeps* (Smith, 1858); *Hybogaster dissimulanda* (Cameron, 1897); *Iphiaulax penetrans* (Smith, 1862); *Isoptronotum fuliginosum* (Cameron, 1899); *Lepton niger* (Nees, 1812); *Megalommum aruensis* (Dalla Torre, 1898); *Monilobracon deceptor* (Smith, 1862); *M. insinuator* (Smith, 1858a); *M. quadriceps* (Smith, 1858); *M. suspiciosus* (Smith, 1858); *Pachybracon borneensis* (Cameron, 1897); *P. declaratus* (Cameron, 1899); *P. jejonus* (Cameron, 1899); ?*P. rothneyi* (Cameron, 1897); *Pseudocremnops erythrocephala* (Cameron, 1900); *P. sculpturalis* (Smith, 1858); *Pseudospathius apicalis* (Westwood, 1882); *Shelfordia charaxa* (Cameron, 1897); *S. khasiana* (Cameron, 1899); *Siragra albomarginata* (Smith, 1859); *Vipio fenestratus* (Smith, 1865); *V. infortunatus* (Schulz, 1906); *V. modestus* (Smith, 1858a); *V. nitidus* (Smith, 1858a), and *Zeuzerilia perplexa* (Smith, 1858). *Bracon lepcha* Cameron, 1899, is a new synonym of *Craspedolcus* (s.l.) *simlaensis* (Cameron, 1899), and *Agathis peronata* Cameron, 1899, of *Euagathis forticariata* (Cameron, 1899).

Lectotypes are designated for the following species: *Spinaria albiventris* Cameron, 1899; *Cenocoelius amazonicus* Westwood, 1882; *C. cephalotes* Smith, 1860; *Pseudobracon concolor* Szépligeti, 1906; *Syntretus cynthus* Lyle, 1927; *Agathis forticarinata* Cameron, 1899; *A. khasiana* Cameron, 1899; *Bracon khasianus* Cameron, 1899; *Agathis nigritarsis* Cameron, 1899; *Agathis peronata* Cameron, 1899; *Ipobracon poultoni* Szépligeti, 1906; *Perilitus profligator* Haliday, 1835; *Agathona sericans* Westwood, 1882; *Spinaria suliana* Westwood, 1882; *S. sulcata* Smith, 1865, and *Apanteles taprobanae* Cameron, 1897.

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Introduction

This is the first part of a series of catalogues of the types of Hymenoptera in the Hope Entomological Collections, University Museum, Oxford. These collections are rich in primary types; specially those of species described by F. Smith (1805-1879), P. Cameron (1847-1912) and to a lesser extent, by one of the most famous curators of entomology in Oxford, J.O. Westwood (1805-1893). Frederick Smith was an employee of the British Museum (Natural History) from 1849 until his death in 1879. He worked on the parts of the A.R. Wallace collection which by convoluted routes ended up in the Oxford University Museum (OUM; fig. 1). Peter Cameron spent his later years living in New Mills, Derbyshire, supported by a Royal Society grant. Most of the specimens in Oxford described by him he received from G.A.J. Rothney (1849-1922); his notes on the number of the returned specimens have been used for this catalogue. John Obadiah Westwood was curator of the Hope Zoological Collections from 1857 to 1861, when he was elected to the Chair of Zoology at Oxford University, which was endowed by the Rev. William Hope. Westwood remained as Hope Professor of Zoology (Entomology) until his death in 1893.

A major problem is that, for historical reasons, type series have been split between the Hope Entomological Collections of the University Museum and the former British Museum (Natural History), now the Natural History Museum, London (BMNH). This resulted partly because material from a certain collection was sold to several entomologists (fig. 1) and partly because the author retained part of the type series. Subsequent revisors have been often unaware of this situation and ignored part of the type series, which resulted in inappropriate lectotype designations, or even, for one species, in the presenting of two holotypes, one in London and one in Oxford! Sometimes a single specimen in one of the collections is considered to be the holotype, while a lectotype designation was needed because the type series actually consists of more than one specimen. The problems have been compounded by heterogeneous type series, comprising more than one species or even genus. Before the outbreak of the Second World War, all putative types both in London and Oxford were removed from their respective collections for safe storage in bomb-proof conditions. This hastily prepared excercise, performed by non-specialists, resulted in some extra confusion; some genuine types were overlooked, while several specimens without type status were included. A further complication is the presence of abbreviations on many of the labels (table 1). Specialists may not be acquainted with these, resulting in superfluous or even incorrect neotype or lectotype designations, e.g. Baltazar (1972). More than fifty years after the return of the material we now try to provide a catalogue to bring some order among the types of Braconidae present in Oxford. However, the taxonomy of the Braconidae is far from stable, and even identification of the genera to which the types belong has been a tedious and difficult task, especially if vital parts were missing. For some species the identification is provisional because they belong to unnamed genera.

Rothney, who sent his specimens to Cameron, annotated in his copy of Cameron's paper the number of specimens per species identified and returned to Oxford by Cameron. These numbers have been taken as a base for deciding if a specimen is a holotype (one specimen returned to Oxford and no specimens remaining in the Cameron Collection (now in BMNH), or a lectotype if more than one specimen was

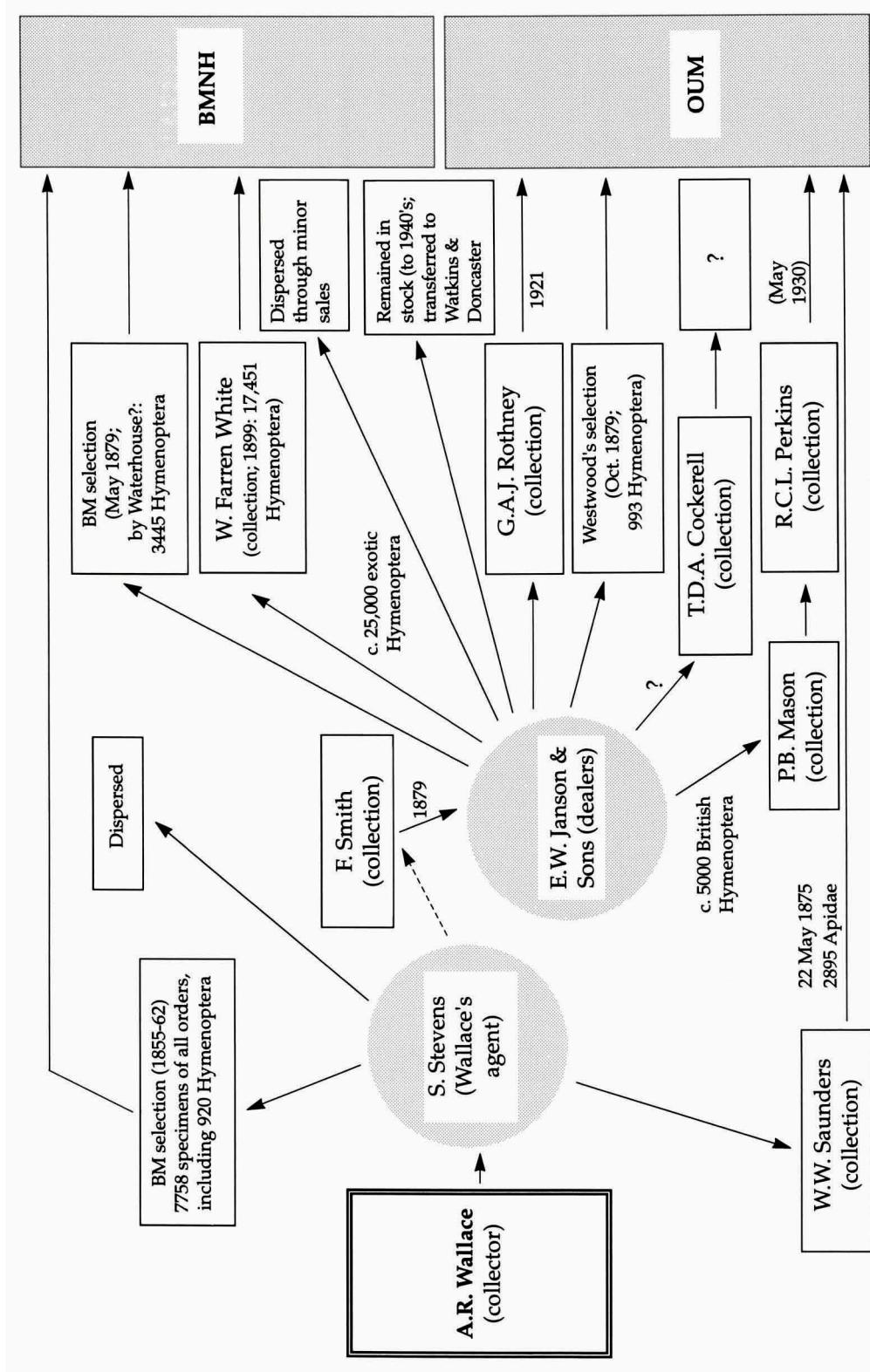


Fig. 1. Dispersal of the collection of insects collected by A.R. Wallace during his travels in SE Asia. From: D. Baker, thesis (MS).

returned to Rothney or additional specimens were found in the Cameron Collection. Complications arise when Cameron did not mention the sex; e.g. five specimens of *Agathis peronata* were returned to Oxford, of which all are still present there, but only one is labelled with a Cameron label (a male), one additional male, and at least two out of the other three specimens are females. However, Cameron (1899) did mention only males. In this case the females most likely were unintentionally excluded by Cameron and not labelled as types. Frequently, the sex of a specimen was originally misjudged if the ovipositor sheath is short, as in the case of *Disophrys erythrocephala* Cameron, 1900 and *Agathis fenestrata* Smith, 1865, and possibly also the case with *Agathis peronata* Cameron, 1899.

Less essential references up to 1970 can be found in Shenefelt (1969-1978), but in general few have been published on the species involved since their descriptions, partly because of lack of reliable identification keys. For an introduction to the localities mentioned on the labels of the specimens collected by A.R. Wallace or C. Allen, see Wallace (1871) and van Steenis-Kruseman (1950).

Table 1. Abbreviations on labels on specimens originating from the Wallace collection (first column largely after D. Baker, unpublished thesis).

Label-data	Localities (Smith, 1858-71)	Modern locality name
Amb. (or "Amb")	Amboyna	Ambon
Aru	Aru Islands	Aru Islands, (islands west of Irian Jaya)
Bac. (or "Bac")	Bachian	Bacan, near Halmahera
Bouru (or "Booro")	Bouru	Buru, Southwest Maluku
Celebes	North Celebes	North Sulawesi
Cer. E.	Ceram (East) ?	East Seram
Cer. (or "Cer")	Ceram	Seram
Dor.	Dory or Dorey	Dore, near Manokwari, East Vogelkop, North-east Irian Jaya
F	Flores	Flores
Gag.	Gagie	Gag Island, near Waigeo
Gil.	Gilolo	Halmahera
Kai.	Kaisaa Island	Kajoa Island, near Bacan
Ke (or "Ké.", "Key I.")	Ke (or Key) Islands	Kai (or Kei) Islands, near Irian Jaya
M	Morty Island	Morotai (island north of Halmahera)
MT. OPHIR	Mt. Ophir, Malacca	Gn. Ledang, West Malaysia
M. (or "M")	Mysol	Misoöl, island near Irian Jaya
Mak. (or "MAK")	Makassar	near Ujung Pandang: Goa, Bantimurung, South-west Sulawesi
MAL.	Malacca	West Malaysia
Men.	Menado	Manado (North Sulawesi)
N	New Guinea	Irian Jaya
S (or "Sal")	Salwatty	Salawati, near Vogelkop, Northwest Irian Jaya
SAR. (or "SAR")	Sarawak, Borneo	Sarawak; North Borneo, East Malaysia
SING.	Singapore	Singapore
Sul	Sula Islands	Sula Islands (groups of islands between Buru and Central Sulawesi)
Ter.	Ternate	Ternate (near Halmahera)
Tim.	Timor	Timor
Tond.	Tondano	Tondano (North Sulawesi, near Manado)
Wag	Waigiou	Waigeo Island (island north of Irian Jaya)

Table 2. List of valid names of types of Braconidae in the Oxford University Museum.

Agathidinae	
<i>Agathirsia fulvocastanea</i> Westwood, 1882	<i>Blastomorpha intrudens</i> (Smith, 1858)
<i>Agathirsia proxima</i> (Westwood, 1882)	<i>Calcaribracon ferax</i> (Smith, 1865)
<i>Agathirsia rufiventris</i> Westwood, 1882	<i>Campyloneurus crassipes</i> (Smith, 1858)
<i>Agathirsia rufula</i> Westwood, 1882	<i>Campyloneurus exoletus</i> (Smith, 1859)
<i>Agathona sericans</i> Westwood, 1882	<i>Campyloneurus firmus</i> (Cameron, 1900)
<i>Balcemena ruficollis</i> (Cameron, 1899)	? <i>Campyloneurus itea</i> (Cameron, 1897)
<i>Braunia apicalis</i> (Smith, 1858)	<i>Campyloneurus umbratilis</i> (Cameron, 1899)
<i>Braunia fumipennis</i> (Cameron, 1899)	<i>Chaoilta himalayensis</i> (Cameron, 1899)
<i>Braunia smithii</i> (Dalla Torre, 1898)	<i>Chaoilta inquieta</i> (Smith, 1858)
<i>Braunia striata</i> (Smith, 1862)	<i>Chaoilta lammellata</i> Cameron, 1899
<i>Braunia terminalis</i> (Brullé, 1846)	<i>Chaoilta vultuosa</i> (Smith, 1858)
<i>Braunia tuberculata</i> (Cameron, 1899)	<i>Craspedolcus</i> (s.l.) <i>phaedo</i> (Cameron, 1899)
<i>Disophrys atrocephalus</i> (Smith, 1860)	<i>Craspedolcus</i> (s.l.) <i>simlaensis</i> (Cameron, 1899)
<i>Earinus gloratorius</i> (Panzer, 1809)	<i>Craspedolcus</i> (s.s.) <i>pauperatus</i> (Cameron, 1900)
<i>Earinus transversus</i> Lyle, 1920	<i>Craspedolcus</i> (s.s.) <i>seditiosus</i> (Cameron, 1899)
<i>Euagathis forticarinata</i> (Cameron, 1899)	<i>Craspedolcus</i> (s.s.) <i>vagatus</i> (Smith, 1858)
<i>Euagathis interdicta</i> (Smith, 1865)	<i>Cratobracon jaculator</i> (Smith, 1860)
<i>Euagathis khasiana</i> (Cameron, 1899)	<i>Digonogastra poultoni</i> (Szépligeti, 1906)
<i>Euagathis melanocera</i> (Cameron, 1899)	<i>Ectemnoplax ceylonica</i> (Cameron, 1897)
<i>Euagathis nigritarsis</i> (Cameron, 1899)	<i>Eurobracon cephalotes</i> (Smith, 1858)
<i>Euagathis ophippium</i> (Cameron, 1900)	<i>Eurobracon impossibilis</i> (Dalla Torre, 1898)
<i>Euagathis pernonata</i> (Cameron, 1899)	<i>Eurobracon triplagiata</i> (Cameron, 1900)
<i>Hypsostypos rugifrons</i> (Smith, 1860)	<i>Eurobracon yokahamae</i> (Dalla Torre, 1898)
<i>Isoptronotum fuliginosum</i> (Cameron, 1899)	<i>Floralibracon floralis</i> (Smith, 1858)
<i>Oreba purpurea</i> (Cameron, 1900)	<i>Gammabracon rugifrons</i> (Smith, 1858)
<i>Pseudocremnops eythrocephala</i> (Cameron, 1900)	<i>Gronaulax pallifrons</i> (Smith, 1859)
<i>Pseudocremnops sculpturalis</i> (Smith, 1859)	<i>Hybogaster dissimulanda</i> (Cameron, 1897)
<i>Vipio fenestratus</i> (Smith, 1865)	<i>Hybogaster dodonaei</i> (Cameron, 1899)
<i>Vipio fumipennis</i> (Smith, 1859)	<i>Hybogaster penetrator</i> (Smith, 1863)
<i>Vipio infortunatus</i> (Schulz, 1906)	<i>Indabracon trimaculatus</i> (Cameron, 1900)
<i>Vipio modestus</i> (Smith, 1858)	<i>Iphiaulax penetrans</i> (Smith, 1862)
<i>Vipio nitidus</i> (Smith, 1858)	<i>Ischnobracon indiscretus</i> (Cameron, 1899)
<i>Zelomorpha penetrans</i> (Smith, 1860)	<i>Ischnobracon laboriosus</i> (Smith, 1858)
Alysiinae	<i>Ischnobracon v-macula</i> (Cameron, 1899)
<i>Lepton niger</i> (Nees, 1812)	<i>Macrobracon gravidus</i> (Smith, 1865)
<i>Tanycarpa punctata</i> van Achterberg, 1976	<i>Macrobracon nigripennis</i> (Smith, 1859)
Braconinae	<i>Megalommum aruensis</i> (Dalla Torre, 1898)
<i>Acampyloneurus aruensis</i> (Shenefelt, 1978)	<i>Meganura ingens</i> (Smith, 1862)
<i>Angustibracon leptogaster</i> (Cameron, 1899)	<i>Meganura insignis</i> (Smith, 1858)
<i>Aniphiaulax agraensis</i> (Cameron, 1897)	<i>Mesobracon niger</i> Szépligeti, 1906
<i>Archibracon dubius</i> (Bingham, 1902)	<i>Monilobracon deceptor</i> (Smith, 1860)
<i>Archibracon spilopterus</i> (Cameron, 1904)	<i>Monilobracon insinuator</i> (Smith, 1858)
<i>Arubracon basalis</i> (Smith, 1859)	<i>Monilobracon quadriceps</i> (Smith, 1858)
<i>Arubracon nitidus</i> (Smith, 1859)	<i>Monilobracon suspiciosus</i> (Smith, 1858)
<i>Arubracon tricolor</i> (Guérin-Méneville, 1830)	<i>Pachybracon borneensis</i> (Cameron, 1887)
<i>Bathyaulax ruber</i> (Bingham, 1902)	<i>Pachybracon declaratus</i> (Cameron, 1899)
? <i>Bracon smithii</i> (Dalla Torre, 1898)	<i>Pachybracon jejunus</i> (Cameron, 1899)
? <i>Bracon yerburyi</i> (Cameron, 1897)	? <i>Pachybracon rothneyi</i> (Cameron, 1897)
<i>Bicarinibracon tricarinatus</i> (Cameron, 1897)	<i>Psittacibracon lacteolus</i> Quicke, 1986
	<i>Shelfordia charaxa</i> (Cameron, 1897)
	<i>Shelfordia combusta</i> (Smith, 1860)
	<i>Shelfordia foveata</i> (Smith, 1858)
	<i>Shelfordia khasiana</i> (Cameron, 1899)
	<i>Trispinaria priscicolorus</i> Quicke, 1986
	<i>Zeuzerilia perplexa</i> (Smith, 1858)

Referable to new genus:

- "*Bracon*" *bellicosus* Smith, 1861
 "*Bracon*" *ingratus* Cameron, 1897
 "*Myosoma*" *pennipes* (Westwood, 1882)

Cenocoeliinae

- Capitonius amazonicus* (Westwood, 1882)
Capitonius columbianus (Westwood, 1882)
Capitonius gerasinorum (Westwood, 1882)
Capitonius nigrinus (Westwood, 1882)
Capitonius sexnotatus (Westwood, 1882)
 ?*Cenocoelius cephalotes* Smith, 1860
 ?*Cenocoelius insidiator* Smith, 1863

Cheloninae

- Phanerotoma* (*Bracotritoma*) *bilinea* Lyle, 1924

Doryctinae

- Euscelinus sarawacus* Westwood, 1882
Halycaea ruficeps (Smith, 1858)
Ontsira reticulata Cameron, 1900
Pseudospathius apicalis (Westwood, 1882)
Siragra albomarginata (Smith, 1859)
Stenophasmus femoralis Westwood, 1882
Stenophasmus ruficeps Smith, 1859

Euphorinae

- Meteorus micropterus* (Haliday, 1835)

- Meteorus profligator* (Haliday, 1835)
Meteorus vexator (Haliday, 1835)
Microctonus brevicollis (Haliday, 1835)
Streblocera fulviceps Westwood, 1833
Streblocera longiscapha Westwood, 1882
Syntretus cynthus (Lyle, 1927)
Syntretus lyctaea Cole, 1959

Helconinae

- Wroughtonia ?unicornis* (Turner, 1918)

Microgastrinae

- Cotesia deliadis* (Bingham, 1906)
Cotesia melitaearum (Wilkinson, 1937)
Cotesia rufiventris (Bingham, 1906)
Cotesia taprobanae (Cameron, 1897)
Microplitis basalis (Bingham, 1906)
Microplitis perelegans (Bingham, 1906)
Snellenius vollenhovii (Westwood, 1882)

Rogadinae

- Aleiodes rothneyi* (Shenefelt, 1975)
Batotheca leucomelaena (Westwood, 1882)
Batotheca nigriceps (Cameron, 1897)
Pseudospinaria attenuata (Westwood, 1882)
Spinaria albiventris Cameron, 1899
Spinaria dimidiata Westwood, 1882
Spinaria sulcata Smith, 1864
Spinaria suliana Westwood, 1882

Catalogue of Braconidae***abdominalis** Smith, 1859

Bracon abdominalis Smith, 1859: 175 (not *Bracon abdominalis* Zetterstedt, 1840).

Campyloneurus abdominalis; Baltazar, 1972: 261.

Campyloneurus aruensis Shenefelt, 1978: 1656 (replacement name).

Acampyloneurus aruensis; van Achterberg, 1992: 396, figs 44-54 (redescription).

Material.— Holotype, ♀ (OUM), "Aru", "*Bracon abdominalis* Smith".

Valid name.— *Acampyloneurus aruensis* (Shenefelt, 1978).

* Not listed is the material from the Wesmael Collection in OUM, which may contain syntypes. This should be decided after a catalogue of the types in the Wesmael Collection has been made. It concerns: *Aspigonius diversicornis* Wesmael, 1835; *Brachistes* [= *Eubazus*] *ruficoxis* Wesmael, 1835; *B.* [= *E.*] *uncigenes* Wesmael, 1835; *Leiaphron* [= *Allurus*] *armatus* Wesmael, 1835; *Microctonus* [= *Peristenus*] *barbiger* Wesmael, 1835; *Microdus* [= *Earinus*] *varicoxis* Wesmael, 1837; *Opius cingulatus* Wesmael, 1835; *O. comatus* Wesmael, 1835; *Perilitus* [= *Zele*] *deceptor* Wesmael, 1835; *Proterops nigripennis* Wesmael, 1835; *Rogas* [= *Macrocentrus*] *nitidus* Wesmael, 1835; *Sigalphus* [= *Triaspis*] *floricola* Wesmael, 1835; *Taphaeus* [= *Diospilus*] *fuscipes* Wesmael, 1835; *Taphaeus irregularis* Wesmael, 1835.

aculeator Fabricius, 1793

Bracon aculeator; Smith, 1858a: 122.

No type material present. Smith (1858a) reports it from W Malaysia (Mt. Ophir), Sarawak and Tranquebar. The latter is the type locality in India.

affinis Brullé, 1846

Bracon affinis Brullé, 1846: 344; Shenefelt, 1978: 1462.

Material.— 1 ♂ (OUM), "W., Raddon, N. Amer., Turp.", "*Bracon (Celereon) affinis* Westw.".

Note.— We are unaware of a description as *affinis* by Westwood, and most likely he intended it to identify this specimen as *Bracon affinis* Brullé, 1846. No type specimens present; material concerns a misidentified specimen, and probably belongs to *Atanycolus* Foerster, 1862.

agraensis Cameron, 1897

Bracon agraensis Cameron, 1897a: 34-35, pl. 3, fig. 6; Shenefelt, 1978: 1463.

Material.— Holotype, ♀ (OUM), "Agra [= India, Rothney]", "*Bracon agraensis* Cam.", "Type", "6", "1098".

Valid name.— *Aniphiaulax agraensis* (Cameron, 1897) **comb. nov.**

albiventris Cameron, 1899

Spinaria albiventris Cameron, 1899: 82-84; Shenefelt, 1975: 1257.

Material.— Lectotype here designated, ♀ (OUM), "*Spinaria albiventris* Cam., Type, Khasia", "Type Hym: 96 1/2, *Spinaria albiventris* Cameron, Hope Dept. Oxford"; 1 paralectotype (OUM), probably ♀, but uncertain because of missing apical part of metasoma.

Valid name.— *Spinaria albiventris* Cameron, 1899.

albomarginatus Smith, 1859

Bracon albo-marginatus Smith, 1859: 174-175.

Bracon albomarginatus; Shenefelt, 1978: 1463.

Material.— Holotype, ♀ (OUM), "Aru", "*Bracon albomarginatus* Smith".

Valid name.— *Siragra albomarginata* (Smith, 1859) **comb. nov.**

amazonicus Westwood, 1882

Cenocoelius amazonicus Westwood, 1882: 36; Shenefelt, 1970: 178.

Material.— Lectotype (here designated), ♀ (OUM), "Amazon, Bates (1841)", "Type Hym: 86 1/2, *Cenocoelius amazonicus* Westwood, Hope Dept. Oxford". Paralectotype: 1 ♀ (OUM), same labels, but "86 2/2".

Valid name.— *Capitonius amazonicus* (Westwood, 1882) **comb. nov.**

apicalis Smith, 1858

Microdus apicalis Smith, 1858a: 127.

Braunsia apicalis; Shenefelt, 1970: 370.

Material.— Holotype, ♀ (OUM), "SING 85", "*Microdus apicalis* Smith".

Valid name.— *Braunsia apicalis* (Smith, 1858).

apicalis Westwood, 1882

Stenophasmus apicalis Westwood, 1882: 43.

Spathius apicalis; Wilkinson, 1931: 519 (redescription); Shenefelt & Marsh, 1976: 1389.

Material.— Holotype, ♀ (OUM), "SAR", "Sarawak, Borneo, Wallace, [illegible], 1868 4", "*Spathius apicalis* West., det. D.S. Wilkinson, Type", "Type Hym: 92, *Stenophasmus apicalis* Westwood, Hope Dept. Oxford".

Valid name.— *Pseudospathius apicalis* (Westwood, 1882) **comb. nov.**

aruensis Dalla Torre, 1898

See *Bracon intrudens* Smith, 1858a.

aruensis Shenefelt, 1978

See *Bracon abdominalis* Smith, 1859.

atrocephalus Smith, 1860

Agathis atrocephalus Smith, 1860b: 142, 1865: 67.

Disophrys atrocephalus; Shenefelt, 1970: 393.

Material.— Holotype, ♀ (not ♂ as stated in the original description; OUM), "Bac", "*Agathis atrocephalus* Smith". Two other females (OUM) from "M [= Morty Island]" and "Amb [Amboin]" do not belong to the type series.

Valid name.— *Disophrys atrocephalus* (Smith, 1860).

attenuata Westwood, 1882

Spinaria attenuata Westwood, 1882: 30, pl. 7, fig. 1.
Pseudospinaria attenuata; Shenefelt, 1975: 1212.

Material.— Holotype, ♀ (OUM), “SAR”, “Type Hym: 80, *Spinaria attenuata* Westwood, Hope Dept. Oxford”.

Valid name.— *Pseudospinaria attenuata* (Westwood, 1882).

basalis Bingham, 1906

Microgaster basalis Bingham, 1906: 125-126.
Microplitis basalis; Shenefelt, 1973a: 740; Austin & Dangerfield, 1992: 42.

Material.— Holotype, ♀ (OUM), “From Ch'campa oldenlandia Fabr., Townsville, Queensland, 11.ii. [19]03, F.P. Dodd”, “Type, ♂, C.T. Bingham, *Microgaster basalis*, T.E.S. Lond. 1906, p.125-6”, “Bred Feb. 11.[19]03 (fr. larva *Choero. oldenlandia*) & pres. 1906 by F.P. Dodd”, “Type Hym: 50, *Microgaster basalis* Bingham, Hope Dept. Oxford”. Paratype: 1 ♀ (also labelled ♂; OUM), same labels as holotype.

Valid name.— *Microplitis basalis* (Bingham, 1906).

basalis Smith, 1859

Bracon basalis Smith, 1859: 174; Shenefelt, 1978: 1468.
Arubracon basalis; van Achterberg, 1992: 391-392, figs 30-43.

Material.— Holotype, ♀ (OUM), “Aru”, “*Bracon basalis* Smith”.

Valid name.— *Arubracon basalis* (Smith, 1859).

bellicosus Smith, 1860

Bracon bellicosus Smith, 1860a: 65.
Iphiaulax bellicosus; Baltazar, 1972: 271.
Ipobracon bellicosus; Shenefelt, 1978: 1811.

Material.— Holotype, ♀ (OUM), “Mak.”, “*Bracon bellicosus* Smith”, “Holotype *Bracon bellicosus* Sm., 1861, teste Shenefelt, 1978: 1811 (labelled C. O'Toole, 5.ix.1988)”. The ♀ (3.c.430) in BMNH from “Kinsemi” is not a type because it disagrees with the original description and does not originate from the type locality.

Valid name.— Belongs to a new genus, which will be described by the senior author in a forthcoming paper on the Braconidae of Sulawesi.

bilinea Lyle, 1924

Phanerotoma bilinea Lyle, 1924: 101, fig.
Bracotritoma bilinea; Shenefelt, 1973b: 909.
Phanerotoma (Bracotritoma) bilinea; van Achterberg, 1990: 24-25, figs 262-269 (lectotype designation).

Material.— Holotype, ♀ (BMNH), "2057", "G.T. Lyle, New Forest, 9.8.1912", "G.T. Lyle Coll., B.M. 11930-579", "*Phanerotoma bilinea* Lyle". Paralectotypes: 2 ♂♂ (BMNH) + 1 ♀ (OUM).

Valid name.— *Phanerotoma (Bracotritoma) bilinea* Lyle, 1924.

borneensis Cameron, 1897

Bracon borneensis Cameron, 1897b: 13-14; Shenefelt, 1978: 1470.

Material.— Holotype, ♂ (OUM), "*Bracon borneensis* [!] Cam., Type, Borneo", "1092".

Valid name.— *Pachybracon borneensis* (Cameron, 1897) **comb. nov.** Provisional placement because for a reliable identification the female is necessary. The wings are brownish and the scapus is slightly protruding ventrally.

brevicollis Haliday, 1835

Perilitus brevicollis Haliday, 1835: 35.

Microctonus brevicollis; Shenefelt, 1969: 105; Loan, 1975: 38-39 (redescription).

Material.— Holotype, ♀ (OUM), "*Microctonus brevicollis*, Hope Coll. Type O.U.M.".

Valid name.— *Microctonus brevicollis* (Haliday, 1835). Obviously a specimen sent to Westwood by Haliday, but it has been remounted. It is considered to be the holotype because it fits the original description, it has been sent under this name by Haliday to Oxford and in the Haliday collection no other specimen is present.

cephalotes Smith, 1858

Bracon cephalotes Smith, 1858a: 123-124.

Eurobracon cephalotes; Baltazar, 1972: 267; Shenefelt, 1978: 1746; Quicke, 1989b: 787-788, figs 24, 28 (revision).

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon cephalotes* Smith".

Valid name.— *Eurobracon cephalotes* (Smith, 1858).

cephalotes Smith, 1860

Cenocoelius cephalotes Smith, 1860a: 65-66; Shenefelt, 1970: 180.

Material.— Lectotype (here designated), ♀ (OUM), "Mak. [probably mid Aug.-early Nov. 1857 collected in Bantimurung (Maros, near Makassar)]", "Coll. Smith, 1879", "*Cenocoelius cephalotes* Smith", "Type Hym., 84 1/2, *Cenocoelius cephalotes* Smith, Hope Dept. Oxford". Paralectotype: 1 ♂ (OUM), "Mak.", "Alysia", "*Cenocoelius cephalotes* Smith", "Type Hym., 84 2/2, *Cenocoelius cephalotes* Smith, Hope Dept. Oxford".

Valid name.— ?*Cenocoelius cephalotes* Smith, 1860. Provisional assignment because this species deviates considerably from the type species of the genus and its generic placement will be discussed in a forthcoming paper by the senior author.

ceylonicus Cameron, 1897

Bracon ceylonicus Cameron, 1897a: 32, pl. 3, fig. 5.
Campyloneurus ceylonicus; Shenefelt, 1978: 1658.

Material.— Holotype, ♀ (OUM), “*Bracon ceylonicus* Cam., Type, [Ceylon, Yerbury, Rothney]”, “5”, “1102”.

Valid name.— *Ectemnoplax ceylonica* (Cameron, 1897) **comb. nov.**

charaxus Cameron, 1897

Bracon charaxus Cameron, 1897b: 15-16; Shenefelt, 1978: 1474.
Rostraulax charaxus; Quicke, 1985c: 216.

Material.— Holotype, ♀ (OUM), “*Bracon charaxus* Cam., Type”, “Khasia, Rothney [incorrect label; according to original description from Borneo, which agrees with the material collected by the senior author]”, “1087”.

Valid name.— *Shelfordia charaxa* (Cameron, 1897) **comb. nov.**

columbianus Westwood, 1882

Cenocoelius columbianus Westwood, 1882: 38; Shenefelt, 1970: 180.

Material.— Holotype, ♀ (OUM), “Colum., Chest.”, “Type Hym.; 87, *Cenocoelius columbianus* Westwood, Hope Dept. Oxford”.

Valid name.— *Capitonius columbianus* (Westwood, 1882) **comb. nov.**

combustus Smith, 1860

Bracon combustus Smith, 1860a: 65.
Sigalphogastra combustus; Baltazar, 1972: 270; Shenefelt, 1978: 1722.
Shelfordia combusta; Quicke, 1982: 229.
Rostraulax combustus; Quicke, 1985c: 216.

Material.— Holotype, ♀ (OUM), “Mak. [Bantimurung near Makassar]”, “*Bracon combustus* Smith”, “*Merinotus* [label by the late Dr J.G. Betrem]”.

Valid name.— *Shelfordia combusta* (Smith, 1860) (re-instated).

concolor Szépligeti, 1906

Pseudobracon concolor Szépligeti, 1906: 596.
Archibracon concolor; Shenefelt, 1978: 1433; Quicke, 1989a: 57 (syn. of *Archibracon spilopterus* (Cameron, 1904)).

Material.— Lectotype (designated by Shenefelt, 1978), ♀ (OUM), “209”, “*Pseudobracon concolor* Szépl. sp. n.”, “Burchell Collection, South Africa”, “Type Hym: 66, *Pseudobracon concolor* Szépl., Hope Dept. Oxford”. Probably paralectotypes are present in Budapest and Berlin.

Valid name.— *Archibracon spilopterus* (Cameron, 1904).

***cornuta* Cameron, 1899**

Wroughtonia cornuta Cameron, 1899: 57-59, pl. 3-4, 4a; Shenefelt, 1970: 204; van Achterberg, 1987: 276, figs 25-32 (not *W. cornuta* (Cameron, 1886) from Japan, probably synonym of *W. unicornis* (Turner, 1918)).

Material.— Holotype, ♀ (OUM), “*Wroughtonia cornutus* [!] Cam., Type, Khasia [India]”, “1113”. The holotype is severely damaged: the head and main part of the hind leg are on a separate card labelled only “1107” and near a ground-label: “*purpureifrons* Cam., Type, Khasia” (“*purpureifrons*” is a manuscript name!).

Valid name.— *Wroughtonia ? unicornis* (Turner, 1918).

***crassipes* Smith, 1858**

Bracon crassipes Smith, 1858a: 126-127.

Campyloneurus crassipes; Baltazar, 1972: 269; Shenefelt, 1978: 1658.

Material.— Holotype, ♀ (OUM), “Sing”, “*Bracon crassipes* Smith”.

Valid name.— *Campyloneurus crassipes* (Smith, 1858).

***cultivatus* sensu Quicke, 1980**

Odontoscapus cultivatus “Smith”; Quicke, 1980: 497 (invalid; based on manuscript name). Nomen nudum.

***cynthius* Lyle, 1927**

Syntretus cynthius Lyle, 1927: 85; Shenefelt, 1969: 130.

Material.— Lectotype (here designated), ♀ (OUM), “Type”, “562c”, “549e”, “e. coll. J.C. Dale, Pres. 1906 C.W.D.”, “*Perilitus cynthius* Curt. Name in Dale Coll.”, “Type *Syntretus (Microctonus) cynthius* G.T. Lyle, Entomologist, lx, p. 83, 1927”. Paralectotypes: 2 ♂♂ + 1 ♀ (OUM), 1 ♂ with red “Type” label, both other specimens with dark blue round label.

Valid name.— *Syntretus cynthius* Lyle, 1927.

***deceptor* Smith, 1860**

Bracon deceptor Smith, 1860a: 65.

Iphiaulax deceptor; Baltazar, 1972: 271; Shenefelt, 1978: 1758.

Material.— Holotype, ♂ [not ♀!] (OUM), “Mak”, “*Bracon deceptor* Smith”.

Valid name.— *Monilobracon deceptor* (Smith, 1860) **comb. nov.** Obviously Smith made a mistake when indicating the sex, in the description he also does not refer to the long ovipositor of the female.

deceptor Smith, 1863*Agathis deceptor* Smith, 1863: 12.*Braunsia deceptor*; Szépligeti, 1908: 420 (synonym of *Braunsia terminalis* (Brullé, 1846); Shenefelt, 1970: 378).

Material.— Holotype, ♀ (OUM), "Cer", "Agathis deceptor Smith".

Valid name.— *Braunsia terminalis* (Brullé, 1846).**declaratus** Cameron, 1899*Bracon declaratus* Cameron, 1899: 79.*Campyloneurus declaratus*; Baltazar, 1972: 261; Shenefelt, 1978: 1658.

Material.— Holotype, ♀ (OUM), "Bracon declaratus Cam., Type, Khasia [India]", "670".

Valid name.— *Pachybracon declaratus* (Cameron, 1899) **comb. nov.****deliadis** Bingham, 1906*Apanteles deliadis* Bingham, 1906: 125; Shenefelt, 1972: 487.*Cotesia deliadis*; Austin & Dangerfield, 1992: 21 (lectotype designation).Material.— Lectotype, ♀ (OUM), "Type. ♀, C.T. Bingham, *Apanteles deliadis* T.E.S. Lond. 1906, p. 125", "Queensland, Townsville. Bred Jan. 2. [19]03, (fr. larva *Delias argenthona*, F.) & pres. 1906 by F.P. Dodd. T.E.S., Lond., 1906, pp. 119-132", "*Apanteles deliadis* Bingham, ♀, Type", "1906, 2676", "*Cotesia deliadis* (Bingham). Lectotype ♀, designated Austin & Dangerfield, 1992", "Type Hym: 45 2/2, *Apanteles deliadis* Bingham, Hope Dept. Oxford". Paralectotypes: 1 ♂ (OUM), topotypic, from same batch; 1 ♂ + 1 ♀ (BMNH), id.Valid name.— *Cotesia deliadis* (Bingham, 1906).**dentata** sensu Quicke, 1980*Zaglyptogastra dentata* "Grosvenor"; Quicke, 1980: 495. Based on manuscript name. Nomen nudum.**dimidiata** Westwood, 1882*Spinaria dimidiata* Westwood, 1882: 31, pl. 7, figs 3, 4; Shenefelt, 1975: 1258.Material.— Holotype, ♀ (OUM), "Ceram, te Abcoff [?]", "Type Hym: 82, *Spinaria dimidiata* Westwood, Hope Dept. Oxford".Valid name.— *Spinaria dimidiata* Westwood, 1882.**dissimulandus** Cameron, 1897*Bracon dissimulandus* Cameron, 1897b: 14-15; Shenefelt, 1978: 1480.

Material.— Holotype, ♀ (OUM), "Bracon dissimulanda Cam., Type, [Borneo]", "1094".

Valid name.— *Hybogaster dissimulanda* (Cameron, 1897) **comb. nov.**

dodonaeus Cameron, 1899

Bracon dodonaeus Cameron, 1899: 75-76.

Iphiaulax dodonaeus; Baltazar, 1972: 272; Shenefelt, 1978: 1760.

Hybogaster dodonaeus; Quicke, 1985a: 344.

Material.— Holotype, ♀ (OUM), "Bracon dodonaeus Cam., Type, Khasia", "667".

Valid name.— *Hybogaster dodonaea* (Cameron, 1899).

dubius Bingham, 1902

Phanomeris dubius Bingham [in Marshall], 1902: 546, pl. 28, fig. 59; Shenefelt, 1975: 1131.
?Archibracon dubius; Fahringer, 1931: 335.

Material.— Holotype, ♀ (OUM), "Salisbury, [Zimbabwe], 5000 feet, Mashonaland, capt. Oct. 1900 & pres 1901 by G.A.K. Marshall MS by G.A.K.M.", "Phanomeris dubius Bingham, ♀, Type", "Named February 1902, in Brit. Mus. by Col. Bingham. M.S. by C.T.B.", "1900, 4768".

Valid name.— *Archibracon dubius* (Bingham, 1902).

erythrocephala Cameron, 1900

Disophrys erythrocephala Cameron, 1900: 91-91.
Zelomorpha erythrocephala; Shenefelt, 1970: 426.

Material.— Holotype, ♀ (not ♂ as mentioned in original description; OUM), "Disophrys erythrocephala Cam., Type, Khasia [India]", "792".

Valid name.— *Pseudocremnops erythrocephala* (Cameron, 1900) **comb. nov.**

exoletus Smith, 1859

Bracon exoletus Smith, 1859: 175

Campyloneurus exoletus; Baltazar, 1972: 261 (unnecessary lectotype designation); Shenefelt, 1978: 1659.

Material.— Holotype, ♀ (OUM), "Aru", "Bracon exoletus Smith".

Valid name.— *Campyloneurus exoletus* (Smith, 1859).

femoralis Westwood, 1882

Stenophasmus femoralis Westwood, 1882: 43.

Spathius femoralis; Wilkinson, 1931: 515, figs (redescription); Shenefelt & Marsh, 1976: 1403.

Material.— Holotype, ♀ (OUM), "M.", "*Spathius femoralis* Westw., det. D.S. Wilkinson, Type", "Type Hym: 93, *Stenophasmus femoralis* Westwood, Hope Dept. Oxford".

Valid name.— *Stenophasmus femoralis* Westwood, 1882.

fenestrata Smith, 1865

Agathis fenestrata Smith, 1865: 67.

Disophrys fenestrata; Shenefelt, 1970: 396.

Material.— Holotype, ♂ (not ♀; OUM), "N", "*Agathis fenestratus* Smith".

Valid name.— *Vipio fenestratus* (Smith, 1865) **comb. nov.**

ferax Smith, 1865

Bracon ferax Smith, 1865: 66.

Myosoma ferox; Baltazar, 1972: 262 (unnecessary neotype designation).

Myosoma ferax; Shenefelt, 1978: 1708.

Calcaribracon ferax; Quicke, 1986a: 16, 28 (key).

Material.— Holotype, ♀ (OUM), "N", "*Bracon ferax* Smith".

Valid name.— *Calcaribracon ferax* (Smith, 1865).

firmus Cameron, 1900

Bracon firmus Cameron, 1900: 84–85; Shenefelt, 1978: 1484.

Material.— Holotype, ?♂ (sex is uncertain because the apical part of the metasoma is missing; OUM), "*Bracon firmus* Cam., Type, Khasia", "788".

Valid name.— *Campyloneurus firmus* (Cameron, 1900) **comb. nov.**

flaviceps Smith, 1865

Bracon flaviceps Smith, 1865: 66 (not *Bracon flaviceps* Brullé, 1846)

Bracon smithii Dalla Torre, 1898: 289 (replacement name); Shenefelt, 1978: 1539.

Material.— Holotype, ♀ from Salawati should be in OUM, but could not be found.

Valid name.— ?*Bracon smithii* (Dalla Torre, 1898).

flavipennis Brullé, 1846

Agathis flavipennis sensu Smith, 1858a: 127 not Brullé, 1846.

Material.— 1 ♂ (OUM), "SING.", "*Agathis*", "*Agathis flavipennis* Brullé".

This misidentified specimen belongs to the genus *Gyrochus* Enderlein, 1920 and is not a type specimen.

flavipennis Smith, 1863

Agathis flavipennis Smith, 1863: 12 (not *Agathis flavipennis* Brullé, 1846).
Braunsia flavipennis; Shenefelt, 1970: 372.
Agathis smithii Dalla Torre, 1898: 143 (replacement name).

Material.— Holotype, ♀ (OUM), "Cer.", "*Agathis flavipennis* Smith".

Valid name.— *Braunsia smithii* (Dalla Torre, 1898).

floralis Smith, 1858

Bracon floralis Smith, 1858a: 125.
Iphiaulax floralis; Baltazar, 1972: 272; Shenefelt, 1978: 1765.
Floralibracon floralis; van Achterberg, 1992: 382-384, figs 1-16.

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon floralis* Smith".

Valid name.— *Floralibracon floralis* (Smith, 1858).

forticarinata Cameron, 1899

Agathis forticarinata Cameron, 1899: 86-87.
Euagathis forticarinata; Shenefelt, 1970: 411; Simbolotti & van Achterberg, 1990: 12-14, figs 73-76.

Material.— Lectotype (here designated), ♀ (OUM), "*Agathis forticarinata* Cam., Type, Khasia [India]", "675". Paralectotype: 1 specimen, ?♀ (most of metasoma missing; BMNH), "Type", "B.M. Type Hym. 3.c.919", "*Agathis forticarinata* Cam., Type, Khasia", "Cameron Coll. 89-200", "Khasia Hills".

Valid name.— *Euagathis forticarinata* (Cameron, 1899).

foveatus Smith, 1858

Bracon foveatus Smith, 1858a: 126.
Sigalphogastra foveatus; Baltazar, 1972: 262 (unnecessary lectotype designation); Shenefelt, 1978: 1722-1723.
Shelfordia foveatus; Quicke, 1982: 229.

Material.— Holotype, ♀ (OUM), "Sing", "*Bracon foveatus* Smith".

Valid name.— *Shelfordia foveata* (Smith, 1858).

fuliginosa Cameron, 1899

Agathis fuliginosa Cameron, 1899: 93-95.
Zelomorpha fuliginosa; Shenefelt, 1970: 426.

Material.— Holotype, ?♀ (metasoma largely missing; OUM), “*Agathis fuliginosa* Cam., Type, Khasia [India]”, “673”.

Valid name.— *Isoptronotum fuliginosum* (Cameron, 1899) **comb. nov.**

fulviceps Westwood, 1833

Streblocera fulviceps Westwood, 1833: 342, 1882: 45, pl. 8, figs 6-8; Shenefelt, 1969: 127.

Material.— Holotype, ♀ (?lost), from England, Kingston, Boombe Wood, Surrey, viii.1833.

Valid name.— *Streblocera fulviceps* Westwood, 1833.

fulvo-castanea Westwood, 1882

Agathirsia fulvo-castanea Westwood, 1882: 22, pl. 5, figs 9, 10.

Agathirsia fulvocastanea; Shenefelt, 1970: 310.

Material.— Holotype, ♀ (OUM), “Mexico: Coffin”, “M”, “*Agathirsia fulvocastanea* Westw.”, “Type Hym: 75, *Agathirsia fulvocastanea* Westwood, Hope Dept. Oxford”.

Valid name.— *Agathirsia fulvocastanea* Westwood, 1882.

fumipennis Cameron, 1899

Microdus fumipennis Cameron, 1899: 96-98.

Braunsia fumipennis; Shenefelt, 1970: 373.

Material.— Holotype, ♂ (not ♀ as stated in the original description; OUM), “*Microdus fumipennis* Cam., Type, Khasia [India]”, “681”.

Valid name.— *Braunsia fumipennis* (Cameron, 1899).

fumipennis Smith, 1859

Agathis fumipennis Smith, 1859: 176-177.

Cremonops fumipennis; Shenefelt, 1970: 385.

Material.— Holotype, ♂ (not ♀ as stated in the original description; OUM), “Aru”, “*Agathis fumipennis* Smith”.

Valid name.— *Vipio fumipennis* (Smith, 1859) **comb. nov.**

gerasinorum Westwood, 1882

Cenocoelius gerasinorum Westwood, 1882: 37; Shenefelt, 1970: 181.

Material.— Holotype, ♀ (OUM), “Min. Ger. [Brazil], Marqus”, “Type Hym: 88, *Cenocoelius gerasinorum* Westwood, Hope Dept. Oxford”.

Valid name.— *Capitonius gerasinorum* (Westwood, 1882) **comb. nov.**

grandiceps sensu Quicke, 1980

Odontoscapus grandiceps "Smith"; Quicke, 1980: 497. Misspelling for *Bracon quadriceps* Smith, 1858a.

gravidus Smith, 1865

Bracon gravidus Smith, 1865: 66

Macrobracon gravidus; Baltazar, 1972: 263 (unnecessary neotype designation); Shenefelt, 1978: 1695.

Material.— Holotype, ♀ (OUM), "N", "*Bracon gravidus* Smith".

Valid name.— *Macrobracon gravidus* (Smith, 1865). Baltazar (1972) designated a superfluous neotype for this species. This specimen from Sulawesi was seen in OUM by Shenefelt (1978), but we were unable to trace it.

himalayensis Cameron, 1899

Bracon himalayensis Cameron, 1899: 70-71.

Chaoilta himalayensis; Baltazar, 1972: 263; Shenefelt, 1978: 1667.

Material.— Holotype, ?♀ (sex is uncertain because the apical part of the metasoma is missing; OUM), "*Bracon himalayensis* Cam., Type, Khasia", "160".

Valid name.— *Chaoilta himalayensis* (Cameron, 1899).

impossibilis Dalla Torre, 1898

See *Bracon quadriceps* Smith, 1860b, not Smith, 1858a.

indiscretus Cameron, 1899

Bracon indiscretus Cameron, 1899: 71-72.

Ischnobracon indiscretus; Baltazar, 1972: 265; Shenefelt, 1978: 1690.

Material.— Holotype, ♀ (OUM), "*Bracon indiscretus* Cam., Type, Khasia", "661".

Valid name.— *Ischnobracon indiscretus* (Cameron, 1899).

infortunatus Schulz, 1906

See *Agathis nigritarsis* Cameron, 1899.

ingens Smith, 1862

Bracon ingens Smith, 1862: 65; Shenefelt, 1978: 1494.
Meganura ingens; Quicke, 1985a: 349.

Material.— Holotype, ♀ (OUM), "Tond.", "*Bracon ingens* Smith".

Valid name.— *Meganura ingens* (Smith, 1862).

ingratus Cameron, 1897

Bracon ingratus Cameron, 1897a: 35; Shenefelt, 1978: 1494.

Material.— Holotype, ♀ (OUM), "*Bracon ingratus* Cam., Type, [India, Agra, Rothney]", "1073".

Valid name.— *Bracon ingratus* (Cameron, 1897); belongs to a new genus near *Acampyloneurus* van Achterberg, 1992, and superficially resembles *Iphiaulax*. Foerster, 1862. It can be directly separated from *Iphiaulax* because of the very transverse third metasomal tergite.

inquietus Smith, 1858

Bracon inquietus Smith, 1858a: 124-125.
Chaoilta inquietus; Shenefelt, 1978: 1668.
Odontoscapus inquietus; Quicke, 1980: 497.

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon inquietus* Smith".

Valid name.— *Chaoilta inquieta* (Smith, 1858).

insidiator Smith, 1863

Cenocoelius insidiator Smith, 1863: 12; Shenefelt, 1970: 181.

Material.— Holotype, ♀ (OUM), "M", "*Cenocoelius insidiator* Smith", "Type Hym: 85, *Cenocoelius insidiator* Smith, Hope Dept. Oxford".

Valid name.— ?*Cenocoelius insidiator* Smith, 1863. Provisional assignment; rather deviating of the *Cenocoelius* spp. of the northern hemisphere. Its generic position will be discussed in a forthcoming paper by the senior author.

insignis Smith, 1858

Bracon insignis Smith, 1858a: 123.
Meganura insignis; Shenefelt, 1978: 1698.

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon insignis* Smith", "*Meganura*" (label by the late J.G. Betrem).

Valid name.— *Meganura insignis* (Smith, 1858).

insinuator Smith, 1858

Bracon insinuator Smith, 1858b: 24-25.
Iphiaulax insinuator; Baltazar, 1972: 272; Shenefelt, 1978: 1772.

Material.— Holotype, ♀ (OUM), "Mak.", "*Bracon insinuator* Smith".

Valid name.— *Monilobracon insinuator* (Smith, 1858) **comb. nov.**

interdicta Smith, 1865

Agathis interdicta Smith, 1865: 67.
Euagathis interdicta; Shenefelt, 1970: 412.

Material.— Holotype, ♀ (OUM), "N", "*Agathis interdicta* Smith".

Valid name.— *Euagathis interdicta* (Smith, 1865).

intrudens Smith, 1858

Bracon intrudens Smith, 1858b: 25.
Chaoilta intrudens; Shenefelt, 1978: 1668.

Material.— Holotype, ♀ (OUM), "Mak.", "*Bracon intrudens* Smith".

Valid name.— *Blastomorpha intrudens* (Smith, 1858) **comb. nov.**

intrudens Smith, 1859

Bracon intrudens Smith, 1859: 176, not *Bracon intrudens* Smith, 1858a: 25.
Bracon aruensis Dalla Torre, 1898: 259 (replacement name); Shenefelt, 1978: 1467.

Material.— Holotype, ♀ (OUM), "Aru", "*Bracon intrudens* Smith".

Valid name.— *Megalommum aruensis* (Dalla Torre, 1898) **comb. nov.**

itea Cameron, 1897

Bracon itea Cameron, 1897a: 34.
Bathyaulax itea; Shenefelt, 1978: 1455.

Material.— Holotype, ♀ (OUM), "*Bracon iteacum* [!] Cam., Type, [Ceylon, Trincomali, Yerbury, Rothney]", "1074".

Valid name.— ?*Campyloneurus itea* (Cameron, 1897) **comb. nov.** The assignation to the genus is uncertain, because the ovipositor is broken; the scapus is truncate apically.

jaculator Haliday, 1835

Perilitus (Meteorus) jaculator Haliday, 1835: 34.

Meteorus jaculator; Shenefelt, 1969: 74; Huddleston, 1980: 36-37, fig. 5.

Material.— 1 ♀ (OUM), "6", "Meteoridae, det. G.T. Lyle 1919-25", "Perilitus jaculator coll. Hope", "Ant. 24".

Valid name.— *Meteorus jaculator* (Haliday, 1835). The specimen was obviously sent to Westwood and later remounted. It cannot be a type because it disagrees with the original description (e.g., 24 antennal segments instead of 20-22).

jaculatus Smith, 1860

Bracon jaculatus Smith, 1860b: 141, 1862: 65.

Bracon jaculator; Smith, 1865: 66.

Cratobracon jaculatus; Baltazar, 1972: 269 (unnecessary neotype designation); Shenefelt, 1978: 1674.

Material.— Holotype, ♀ (according to the original description, now the metasoma is missing; OUM), "Bac.", "Bracon jaculator Smith". Two additional ♀♀ (OUM) from "Cer" [= Ceram] and "M" [= Morty Island] can not be types because they are not from the type locality.

Valid name.— *Cratobracon jaculatus* (Smith, 1860). The designation of the specimen from Makassar as neotype by Baltazar (1972: 269) is invalid.

jejonus Cameron, 1899

Bracon jejonus Cameron, 1899: 78.

Hybogaster jejonus; Baltazar, 1972: 268; Shenefelt, 1978: 1689.

Material.— Holotype, ♀ (OUM), "Bracon jejonus Cam., Type, Khasia", "669".

Valid name.— *Pachybracon jejonus* (Cameron, 1899) **comb. nov.**

khasiana Cameron, 1899

Agathis khasiana Cameron, 1899: 84-86.

Euagathis khasiana; Shenefelt, 1970: 412.

Material.— Lectotype (here designated), ♀ (OUM), "Agathis khasiana Cam., Type, Khasia", "676".

Valid name.— *Euagathis khasiana* (Cameron, 1899). According to Rothney's annotations two specimens were returned to Oxford, but only one specimen could be traced.

khasianus Cameron, 1899

Bracon khasianus Cameron, 1899: 72-74.

Iphiaulax khasianus; Baltazar, 1972: 272; Shenefelt, 1978: 1774.

Material.— Lectotype (here designated), ♀ (OUM), "Bracon khasianus Cam., Type, Khasia", "658".
 Paralectotype: 1 ♀ (OUM), "Khasia, Rothney".

Valid name.— *Shelfordia khasiana* (Cameron, 1899) **comb. nov.**

laboriosus Smith, 1858

Bracon laboriosus Smith, 1858a: 126.
Ischnobracon laboriosus; Baltazar, 1972: 265; Shenefelt, 1978: 1690.

Material.— Holotype, ♀ (OUM), "SAR", "Bracon laboriosus Smith".

Valid name.— *Ischnobracon laboriosus* (Smith, 1858).

lacteolus Quicke, 1986

Psittacibracon lacteolus Quicke, 1986b: 18, figs 18-28, 1987: 128.

Material.— Holotype, ♀ (OUM), "Adelaide", "Holotype, ♀ *Psittacibracon lacteolus* Quicke, Braconinae. Det. D. Quicke, 1986", "Type Hym: 1334, *Psittacibracon lacteolus* Quicke, Hope Dept. Oxford".

Valid name.— *Psittacibracon lacteolus* Quicke, 1986.

lammellata Cameron, 1899

Chaoilta lammellata Cameron, 1899: 81-82, pl. 3-2, 2a; Shenefelt, 1978: 1668.

Material.— Holotype, ♀ (OUM), "Chaoilta lammellata Cam., Type, Khasia", "1109".

Valid name.— *Chaoilta lammellata* Cameron, 1899.

lepticha Cameron, 1899

Bracon lepticha Cameron, 1899: 66-68.
Iphiaulax lepticha; Baltazar, 1972: 272; Shenefelt, 1978: 1776.
Craspedolcus lepticha; Quicke, 1985b: 356.

Material.— Holotype, ♀ (posterior part of metasoma missing; OUM), "Bracon lepticha Cam., Type, Khasia", "665".

Valid name.— *Craspedolcus* (s.l.) *simlaensis* (Cameron, 1899) **syn. nov.**

leptogaster Cameron, 1899

Bracon leptogaster Cameron, 1899: 60-62, pl. 3-3; Shenefelt, 1978: 1502.
Angustibracon leptogaster; Quicke, 1987: 141, figs 309-314.

Material.— Holotype, ♀ (OUM), "Bracon leptogaster Cam., Type, Khasia", "1108", "Holotype *Angustibracon leptogaster* (Cameron); Quicke", "Holotypus *Angustibracon leptogaster*: Quicke".

Valid name.— *Angustibracon leptogaster* (Cameron, 1899).

leucomelaena Westwood, 1882

Spinaria leucomelaena Westwood, 1882: 31, pl. 7, fig. 2.
Batotheca leucomelaena; Shenefelt, 1978: 1459.

Material.— Holotype, ♂ (OUM), "Coll. Smith, 1879", "Spinaria new sp., Siam, Cambodia", "Type Hym: 81, *Spinaria leucomelaena* Westwood, Hope Dept. Oxford".

Valid name.— *Batotheca leucomelaena* (Westwood, 1882).

longiscapha Westwood, 1882

Streblocera longiscapha Westwood, 1882: 45, pl. 87, fig. 9; Shenefelt, 1969: 127.

Material.— Holotype, ♂ (not found in OUM), from England, Glanville Wootten, coll. Dale.

Valid name.— *Streblocera longiscapha* Westwood, 1882.

lyctaea Cole, 1959

Syntretus lyctaea Cole, 1959: 18-21, figs; Shenefelt, 1969: 131.

Material.— Holotype, ♀ (OUM), "Holotype, O.U.M.", "La. em. 22.ix.[19]57 ex adult ♀ *Phaeogenes invisor* beaten from oak, col. 18.ix.1957, Berks., Wytham, L.R. Cole, 10.1959", "ex i.4", "Hind tarsus [prepared separately]", "Holotype *Syntretus lyctaea* Cole, 1959, E.M.M. 95: 18-21". Paratypes: 1 ♀ (OUM), same data, without spreaded wings; 2 ♀♀ (OUM), emerged from soil under oak, 13.vii.1950 and 30.vii.1951, G.C. Varley, 1950 and i.1951.

Valid name.— *Syntretus lyctaea* Cole, 1959.

mandibularis Cameron, 1900

Rhogas mandibularis Cameron, 1900: 85-87, not *Rogas mandibularis* Cresson, 1872.
Rogas rothneyi Shenefelt, 1975: 1246 (replacement name).

Material.— Holotype, ♂ (OUM), "Simla, India", "*Rhogas mandibularis* Cam., Type, Khasia", "789.".

Valid name.— *Aleiodes rothneyi* (Shenefelt, 1975) **comb. nov.**

melanocerus Cameron, 1899

Agathis melanocerus Cameron, 1899: 91-92.
Euagathis melanocerus; Shenefelt, 1970: 413.

Material.— Holotype, ♀ (OUM), "Agathis melanocerus Cam., Type, Khasia", "677."

Valid name.— *Euagathis melanocera* (Cameron, 1899).

melitaearum Wilkinson, 1937

Apanteles melitaearum Wilkinson, 1937: 65; Shenefelt, 1972: 569.
Cotesia melitaearum; Papp, 1988: 154.

Material.— Holotype, ♀ (BMNH), "England, Hod Hill, Dorset", "Type", "B.M. Type Hym. 3.c.1045".
A series of paratypes is present in OUM.

Valid name.— *Cotesia melitaearum* (Wilkinson, 1937).

micropterus Haliday, 1835

Perilitus (Meteorus) micropterus Haliday, 1835: 27.
Meteorus micropterus; Shenefelt, 1969: 81; Huddleston, 1980: 39 (lectotype designation).

Material.— Lectotype designated by Huddleston (♀, Haliday Collection, Dublin). Paralectotypes: 1 ♀ (OUM), on rectangular card with pinhole eccentric in card (typical Haliday specimen from Ireland), later re-prepared; 1 ♂ (OUM), on pointed Haliday card, "Meteoridae, det. G.T. Lyle, 1919-25", "Perilitus micropterus Coll. Hope". Obviously both specimens were sent by Haliday to Westwood. There is a second female with the same labels as the ♂-paralectotype, but this cannot be a type since it disagrees with the original description.

Valid name.— *Meteorus micropterus* (Haliday, 1835). The paralectotypes agree with the interpretation of the species by Huddleston (1980).

modesta Smith, 1858

Agathis modesta Smith, 1858b: 25.
Cremonops modestus; Shenefelt, 1970: 387.

Material.— Holotype, ♀ (OUM), "Mak", "Agathis modesta Smith".

Valid name.— *Vipio modestus* (Smith, 1858) **comb. nov.**

niger Szépligeti, 1906

Mesobracon niger Szépligeti, 1906: 596; Shenefelt, 1978: 1705.

Material.— Holotype, ♀ (but according to original description ♂!) (OUM), "V", "Bracon sp.?, "V3, *Mesobracon niger* Szépl. sp. nov.", "Burchell Collection, V3, South Africa", "Type Hym: 67, *Mesobracon niger* Szépligeti, Hope Dept. Oxford".

Valid name.— *Mesobracon niger* Szépligeti, 1906.

nigricans Westwood, 1835

Chaenon nigricans Westwood, 1835: 177, fig. 16; Haliday, 1839: 24 (as synonym of *Alysia (Coelinius) niger* (Nees, 1812)); Shenefelt, 1974: 1073.

Material.— Holotype not found; presumably lost. The only specimen present under “*niger*” is a ♀ with number “282” and on the reverse side of the card “43, 282”. It has a brownish metasoma, but this may be caused by bleaching.

Valid name.— *Lepton niger* (Nees, 1812) **comb. nov.**

nigriceps Cameron, 1897

Spinaria nigriceps Cameron, 1897a: 37-38.
Batotheca nigriceps; Shenefelt, 1978: 1459.

Material.— Holotype, ♀ (OUM), “*Spinaria nigriceps* Cam., Type, [Ceylon, Yerbury, Rothney]”, “Type Hym: 90, *Spinaria nigriceps* Cameron, Hope Dept. Oxford”.

Valid name.— *Batotheca nigriceps* (Cameron, 1897).

nigripennis Smith, 1859

Bracon nigripennis Smith, 1859: 175.
Macrobracon nigripennis; Baltazar, 1972: 263; Shenefelt, 1978: 1695.

Material.— Holotype, ♀ (OUM), “Aru”, “*Bracon nigripennis* Smith”.

Valid name.— *Macrobracon nigripennis* (Smith, 1859).

nigritarsis Cameron, 1899

Agathis nigritarsis Cameron, 1899: 87-88, not *Agathis nigritarsis* Cameron, 1899: 92.
Cremonops nigritarsis; Shenefelt, 1970: 387.

Material.— Lectotype (here designated), ♂ (BMNH), “*Agathis nigritarsis* Cam., Type, Khasia”, “3.c.918”. Paralectotype: 1 ♂ (metasoma missing; OUM), “Khasia, Rothney”, “*Agathis nigritarsis* Cameron 1899, p. 87 nec Cameron 1899, p. 92, C. O'Toole, det. 1983, Mem. Proc. Manchr. lit. Phil. Soc. 43(3)”. The ♀ (BMNH) with similar labels as the lectotype cannot be a type because the females was not mentioned in the original description.

Valid name.— *Euagathis nigritarsis* (Cameron, 1899) **comb. nov.** Similar to *E. forticarinata* (Cameron, 1899) but has the whole apex of fore wing infuscate, the first metasomal tergite is smaller, more robust and the precoxal sulcus is widely crenulate.

nigritarsis Cameron, 1899

Agathis nigritarsis Cameron, 1899: 92-93, not *Agathis nigritarsis* Cameron, 1899: 87.
Agathis infortunata Schulz, 1906: 137 (replacement name); Shenefelt, 1970: 337.

Material.— Holotype, ♂ (OUM), "Agathis nigritarsis Cam., Type, Khasia", "678", "Holotype, Agathis nigritarsis Cam., 1899: 92, not 1899: 87, teste C. O'Toole 17.ix.[19]90 (*Agathis infortunata* Sch., 1906)".

Valid name.— *Vipio infortunatus* (Schulz, 1906) **comb. nov.**

nigritus Westwood, 1882

Cenocoelius nigritus Westwood, 1882: 38; Shenefelt, 1970: 182.

Material.— Holotype, ♀ (OUM), "Brazil, Villa Nova", "Type Hym: 89, *Cenocoelius nigritus* Westwood, Hope Dept. Oxford".

Valid name.— *Capitonius nigritus* (Westwood, 1882) **comb. nov.**

nitida Smith, 1858

Agathis nitida Smith, 1858b: 26.

Cremonops nitidus; Shenefelt, 1970: 338.

Material.— Holotype, ♂ (OUM), "Mak.", "Agathis nitida Smith".

Valid name.— *Vipio nitidus* (Smith, 1858) **comb. nov.** A species with most of its wing membrane dark brown.

nitidus Smith, 1859

Bracon nitidus Smith, 1859: 175-176; Shenefelt, 1978: 1518.

Arubracon nitidus; van Achterberg, 1992: 392.

Material.— Holotype, ♀ (OUM), "Aru", "Bracon nitidus Smith".

Valid name.— *Arubracon nitidus* (Smith, 1859).

occultator Smith, 1863

Bracon occultator Smith, 1863: 11.

Iphiaulax occultator; Baltazar, 1972: 262 (unnecessary neotype designation); Shenefelt, 1978: 1784.

Material.— Holotype, ♀ (OUM), "M. [Mysol]", "Bracon occultator Smith".

Valid name.— Belongs to a new genus near *Shelfordia* to be described by the senior author. The neotype designation by Baltazar (1972: 272) is superfluous and invalid.

ochropes Lyle, 1920

Earinus ochropes Lyle, 1920: 248; Shenefelt, 1970: 407; Nixon, 1986: 227 (as synonym of *Earinus gloratorius* (Panzer, 1809)).

Material.— Lectotype (designated by Nixon (1986)), ♀ (OUM), "Lectotype", "e coll. J.C. Dale, C.W. Dale, pres. 1906 C.W.D.", "*Microdottus ochripes* [!] Curt., name in Dale Coll.", "*Earinus ochropes* Curt. Det. G.T. Lyle, Entomologist, liii, Aug., Oct., Nov. 1920", "*Earinus ochropes* Lyle, Lectotype, ♀, 1984, [G.E.J. Nixon]". Paralectotypes: 5 ♀♀ (OUM). The additional 4 ♂♂ and one specimen without metasoma cannot be types because Lyle referred to females only.

Valid name.— *Earinus gloratorius* (Panzer, 1809).

ophippium Cameron, 1900

Disophrys ophippium Cameron, 1900: 93-94.
Euagathis ophippium; Shenefelt, 1970: 413.

Material.— Holotype, ♀ (not ♂ as indicated by Cameron; OUM), "*Disophrys ophippium* Cam., Type, Khasia", "793."

Valid name.— *Euagathis ophippium* (Cameron, 1900).

orientalis Cameron, 1899

Bracon orientalis Cameron, 1899: 63-65.
Ischnobracon orientalis; Baltazar, 1972: 265 (synonymy, lectotype designation); Shenefelt, 1978: 1690.

Material.— Lectotype, ♀ (OUM), "*Bracon orientalis* Cam., Type, Khasia", "993". Paralectotypes: 1 ♀ (OUM), "Khasia, Rothney"; 1 ♀ (BMNH) with Cameron's label and no. 3c.433.

Valid name.— *Ischnobracon v-macula* (Cameron, 1899).

pallifrons Smith, 1859

Bracon pallifrons Smith, 1859: 176, 1865: 66.
Bracon pallidifrons; Dalla Torre, 1898: 782 (invalid emendation).
Sigalphogastra pallifrons; Baltazar, 1972: 270 (unnecessary neotype designation); Shenefelt, 1978: 1723.
Gronaulax pallifrons; Quicke, 1985c: 215.

Material.— Holotype, ♀ (OUM), "Aru", "*Bracon pallifrons* Smith", "Lectotype *B. pallifrons* Smith, Braconinae. Det. D. Quicke, 1984". Additional specimens: 2 ♀♀ (OUM) are not from the type locality and therefore cannot be types, despite they are labelled paralectotypes by Quicke (1984).

Valid name.— *Gronaulax pallifrons* (Smith, 1859). The neotype designation by Baltazar (1972: 270) is superfluous and invalid.

pauperatus Cameron, 1900

Bracon pauperatus Cameron, 1900: 83.
Iphiaulax pauperatus; Baltazar, 1972: 272; Shenefelt, 1978: 1786.

Material.— Holotype, ♀ (OUM), "*Bracon pauperatus* Cam., Type, Khasia", "787".

Valid name.— *Craspedolcus* (s.s.) *pauperatus* (Cameron, 1900) **comb. nov.**

penetrans Smith, 1860

Agathis penetrans Smith, 1860a: 66.

Euagathis penetrans; Shenefelt, 1970: 413.

Zelomorpha penetrans; Simbolotti & van Achterberg, 1990: 23.

Material.— Holotype, ♀ (OUM), "Mak.", "*Agathis penetrans* Smith".

Valid name.— *Zelomorpha penetrans* (Smith, 1860).

penetrans Smith, 1862

Bracon (Myosoma) penetrans Smith, 1862: 65.

Myosoma penetrans; Shenefelt, 1978: 1708.

Material.— Holotype, ♀ (OUM), "Cer", "*Bracon penetrans* Smith".

Valid name.— *Iphiaulax penetrans* (Smith, 1862) **comb. nov.**

penetrator Smith, 1863

Bracon penetrator Smith, 1863: 11.

Iphiaulax penetrator; Baltazar, 1972: 272 (unnecessary lectotype designation); Shenefelt, 1978: 1786.

Hybogaster penetrator; Quicke, 1985a: 344.

Material.— Holotype, ♀ (OUM), "M. [Mysol]", "*Bracon penetrator* Smith", "Holotype *Bracon penetrator* Smith, 1854 [!] ♀ nec Smith, 1877 teste C. O'Toole, 1987", "Type Hym: 895, *Bracon penetrator* Smith, 1863, Hope Dept. Oxford". Additional specimens: one ♂ from Mysol which cannot be a type because Smith mentioned only the ♀-sex and it belongs to another subfamily (Agathidinae). The ♀ from Ceram is the wrong size and cannot be a type because it is not from the type locality.

Valid name.— *Hybogaster penetrator* (Smith, 1863).

penetrator Smith, 1877

Bracon penetrator Smith, 1877: 413, not *Bracon penetrator* Smith, 1863.

Bracon yokahamae Dalla Torre, 1898: 295 (replacement name).

Euurobracon yokahamae; Shenefelt, 1978: 1747-1748; Quicke, 1989b: 783-786, figs 13, 16, 21.

Material.— Lectotype (designated by Quicke, 1989b), ♀ (OUM), "*Bracon penetrator* Smith, Type", "Japan". Paralectotype: 1 ♀ (BMNH), "*Bracon penetrator* Smith, Type", "Type H.T.", "B.M. Type Hym., 3.c.499", "7711", "Japan".

Valid name.— *Euurobracon yokahamae* (Dalla Torre, 1898). Shenefelt (1978) incorrectly mentioned that a larger type series of this species is present in OUM, but he listed the series of *Bracon penetrator* Smith, 1863.

pennipes Westwood, 1882

Myosoma pennipes Westwood, 1882: 25, pl. 8, fig. 8; Shenefelt, 1978: 1708.

Material.— Holotype, ♂ (OUM), "W", "Santarem, Bates, BZ [= Brazil]", "Type Hym: 78, *Myosoma pennipes* Westwood, Hope Dept. Oxford".

Valid name.— "*Myosoma*" *pennipes* (Westwood, 1882). To be placed into a new genus which will be published soon by Dr D.L.J. Quicke.

perelegans Bingham, 1906

Microgaster perelegans Bingham, 1906: 126-127.

Micropilis perelegans; Shenefelt, 1973a: 755; Austin & Dangerfield, 1992: 42.

Material.— Holotype, ♀ (OUM), "Type. ♀, C.T. Bingham, *Microgaster perelegans* T.E.S. Lond. 1906, p. 126", "Queensland, Townsville. Bred Feb. 27. [19]02, (fr. larva *Notodonta cycnoptera*) & pres. 1906 by F.P. Dodd. T.E.S., Lond., 1906, pp. 119-132", "Type Hym: 51, *Microgaster perelegans* Bingham, Hope Dept. Oxford". Paratypes: 1 ♀ + 3 ♂♂ (OUM) and 1 ♂ (BMNH), same labels as holotype.

Valid name.— *Micropilis perelegans* (Bingham, 1906).

peronata Cameron, 1899

Agathis peronata Cameron, 1899: 89-91.

Euagathis peronata; Shenefelt, 1970: 413; Bhat & Gupta, 1977: 218-219.

Material.— Lectotype (here designated), ♂ (OUM), "*Agathis peronatus* Cam., Type, Khasia", "674". According to Rothney's annotations the returned series consists of five specimens. In OUM (except the lectotype) are 2 ♀♀ (one without head), 1 ♂ without head and 1 specimen without metasoma. In addition there are 2 ♀♀ and 1 ♂ under "3.c.917" in BMNH. Because Cameron mentioned only the male sex in his description, the females are excluded (albeit likely that Cameron had seen them before he published the description). Paralectotypes: 1 ♂ (BMNH), "*Agathis peronatus* Cam., Type, Khasia", "B.M. Type Hym. 3.c.917", and 1 ♂ (OUM) under *Agathis peronatus*.

Valid name.— *Euagathis forticarinata* (Cameron, 1899) **syn. nov.**

perplexus Smith, 1858

Bracon perplexus Smith, 1858a: 124.

Iphiaulax perplexus; Roman, 1914: 21 (as synonym of *Bracon luteifrons* Brullé, 1846); Baltazar, 1972: 272; Shenefelt, 1978: 1777.

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon perplexus* Smith".

Valid name.— *Zeuzerilia perplexa* (Smith, 1858) **comb. nov.**. The supposed synonymy with *B. luteifrons* from the Philippines has to be proven by direct comparison of the types. Considering the distance between both type localities (Sarawak, North Borneo and Luzon (Manila), Philippines) the synonymy is less likely.

phaedo Cameron, 1899

Bracon phaedo Cameron, 1899: 68-69.

Iphiaulax phaedo; Baltazar, 1972: 272; Shenefelt, 1978: 1788.

Material.— Holotype, ♂ (OUM), “*Bracon phaedusa* [!] Cam., Type, Khasia”, “666”.

Valid name.— *Craspedolcus* (s.l.) *phaedo* (Cameron, 1899) **comb. nov.** Very similar to *C. simlaensis* (Cameron, 1899) and the small differences may be sex-related.

poultoni Szépligeti, 1906

Ipobracon poultoni Szépligeti, 1906: 575; Shenefelt, 1978: 1828.

Material.— Lectotype (here designated), ♀ (OUM), “26.11.26”, “*Iphiaulax poultoni* Szépl., spec. nov.”, “Burchell Coll.”, “After 1133”, “Type Hym: 69, *Ipobracon (Iphiaulax) poultoni* Szépligeti, Hope Dept. Oxford”. Paralectotype: 1 ♀ in the Természettudományi Múzeum, Allattára, Budapest.

Valid name.— *Digonogastra poultoni* (Szépligeti, 1906) **comb. nov.**

priscicolorus Quicke, 1986

Trispinaria priscicolorus Quicke, 1986a: 12, figs 1-11; van Achterberg, 1991: 191, figs 1-16.

Material.— Holotype, ♀ (OUM), “Apr. 30, 1905, Celebes, Macassar, R. Shelford”, “1905, 12/63”, “Holotypus *Trispinaria priscicolorus* Quicke ‘83”, “Type Hym: 1333, *Trispinaria priscicolorus* Quicke, Hope Dept. Oxford”.

Valid name.— *Trispinaria priscicolorus* Quicke, 1986.

profligator Haliday, 1835

Perilitus (Meteorus) profligator Haliday, 1835: 33.

Meteorus profligator; Shenefelt, 1969: 87; Huddleston, 1980: 44.

Material.— Lectotype (here designated), ♀ (OUM), on a rectangular card, with a slightly acentric pin-hole, which may be the original Haliday card, “*profligator* [in Haliday’s handwriting]”, “Meteoridae. Det. G.T. Lyle, 1919-25”, “*Perilitus profligator* Coll. Hope”, “*brevicauda* Th.?”; “*Perilitus (Meteorus) profligator* Haliday, M. de V. Graham, det. 1984, Lectotype [unpublished!], ♀”. Paralectotype: 1 ♀ (OUM), “Hope”, “ant. 21”.

Valid name.— *Meteorus profligator* (Haliday, 1835). The lectotype agrees with the interpretation of this species by Huddleston (1980).

proxima Westwood, 1882

Agathirsia proxima Westwood, 1882: 22; Shenefelt, 1970: 310.

Material.— Holotype, ♀ (OUM), “25”, “*Agathirsia proxima* Westw.”, “Type Hym: 74, *Agathirsia proxima* Westwood, Hope Dept. Oxford”.

Valid name.— *Agathirsia proxima* Westwood, 1882.

punctata van Achterberg, 1976

Tanycarpa punctata van Achterberg, 1976: 14-15, figs 1-8.

Material.— Holotype, ♀ (OUM), "O.V. 1972 11 p. bred BO 161308 [= Mr M.H. Jackson, Wallcroft, Rake Lane, Little Starley, nr Liverpool CH2 4HS, 1.vii.1972]", "? *Tanycarpa* sp., G.E.J. Nixon, det. 1972", "*Tanycarpa mitis* Stelfox or near, R.D. Eady, det. 1972". Paratypes: 14 ♀♀ + 3 ♂♂ (OUM, BMNH, RMNH, USNM).

Valid name.— *Tanycarpa punctata* van Achterberg, 1976.

purpurea Cameron, 1900

Oreba purpurea Cameron, 1900: 95-96; Shenefelt, 1970: 423.

Material.— Holotype, ♀ (according to description, but metasoma is largely missing; OUM), "*Oreba purpurea* Cam., Type, Khasia", "791".

Valid name.— *Oreba purpurea* Cameron, 1900.

quadriceps Smith, 1858

Bracon quadriceps Smith, 1858a: 122-123.

Iphiaulax quadriceps; Baltazar, 1972: 272; Shenefelt, 1978: 1790.

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon quadriceps* Smith".

Valid name.— *Monilobracon quadriceps* (Smith, 1858) **comb. nov.**

quadriceps Smith, 1860

Bracon quadriceps Smith, 1860b: 141-142 not *Braon quadriceps* Smith, 1858a.

Bracon impossibilis Dalla Torre, 1898: 273 (replacement name).

Euurobracon impossibilis; Shenefelt, 1978: 1746; Quicke, 1989b: 796-797.

Material.— Holotype, ♀ (OUM), "Bac.", "*Bracon quadriceps* Smith". The lectotype designation by Baltazar (1972) is superfluous and invalid.

Valid name.— *Euurobracon impossibilis* (Dalla Torre, 1898).

reticulata Cameron, 1990

Ontsira reticulata Cameron, 1900: 90-91; Shenefelt & Marsh, 1976: 1326.

Material.— Holotype, ♀ (OUM), "*Ontsira reticulata* Cam., Type, Khasia", "790", "Type Hym: 896, *Ontsira reticulata* Cameron, 1900, Hope Dept. Oxford".

Valid name.— *Ontsira reticulata* Cameron, 1900.

***rhodesiana* sensu Quicke, 1980**

Bathyaulax rhodesiana "Grosvenor"; Quicke, 1980: 496. (Based on a manuscript name). Nomen nudum.

***rothneyi* Cameron, 1897**

Bracon rothneyi Cameron, 1897a: 36-37; Shenefelt, 1978: 1533 (lectotype designation).

Material.— Lectotype (designated by Shenefelt, 1978, but not labelled), ♂ (BMNH), "Type". "B.M. Type Hym. 3.c.483", "Bracon rothneyi Cam., Type, India [Agra, Rothney]". Paralectotype: 1 specimen without metasoma and head (OUM), "Agra", "Bracon rothneyi Cam., Type", "1086".

Valid name.— ?*Pachybracon rothneyi* (Cameron, 1897) **comb. nov.** Provisional placement, because the female is unknown. The lectotype agrees with the original description but the double keel of the first tergite is not obvious except anteriorly, where it is branched.

***ruber* Bingham, 1902**

Iphiaulax ruber Bingham [in Marshall], 1902: 545, pl. 23, fig. 31.

Bathyaulax ruber; Shenefelt, 1978: 1456.

Bathyaulax rufer; Quicke, 1980: 496.

Bathyaulax ruber "Smith"; Quicke, 1980: 496 (incorrect attribution).

Material.— Holotype, ♀ (OUM), "Salisbury, [Zimbabwe], 5000 feet, Mashonaland. Capt. Oct. 1900 & pres. 1901 by G.A.K. Marshall MS by G.A.K.M.", "Salisbury, Mashonaland, Oct. 1900, G.A.K. Marshall", "Iphiaulax ruber Bingham, ♀, Type", "Named February 1902, in Brit. Mus. by Col. Bingham. MS. by C.T.B.", "1900, 4768".

Valid name.— *Bathyaulax ruber* (Bingham, 1902).

***ruficeps* Smith, 1858**

Megaproctus ruficeps Smith, 1858a: 119.

Megaloprotus ruficeps; Shenefelt & Marsh, 1976: 1320.

Material.— Holotype, ♀ (OUM), "Sing.", "Megaproctus ruficeps Smith".

Valid name.— *Halycea ruficeps* (Smith, 1858) **comb. nov.**

***ruficeps* Smith, 1859**

Stenophasmus ruficeps Smith, 1859: 170.

Spathius ruficeps; Shenefelt & Marsh, 1976: 1417.

Material.— Holotype, ♀ (OUM), "Aru", "Stenophasmus ruficeps Smith, Aru Isl.", "Spathius ruficeps Smith, det. D.S. Wilkinson, Type", "Type Hym: 91, Stenophasmus ruficeps Smith, Hope Dept. Oxford". The fore wing is largely missing.

Valid name.— *Stenophasmus ruficeps* Smith, 1859.

ruficollis Cameron, 1899

Disophrys ruficollis Cameron, 1899: 98-99.
Euagathis ruficollis; Shenefelt, 1970: 414.

Material.— Holotype, ♀? (uncertain because most of metasoma is missing as already is stated in the original description; OUM), “*Disophrys ruficollis* Cam., Type, Khasia”, “679”.

Valid name.— *Balcemena ruficollis* (Cameron, 1899) **comb. nov.**

rufiventris Bingham, 1906

Protapanteles rufiventris Bingham, 1906: 127.
Apanteles rufiventris; Shenefelt, 1972: 619.
Cotesia rufiventris; Austin & Dangerfield, 1992: 22 (lectotype designation).

Material.— Lectotype, ♀ (OUM), “Host= *Ogyris genoveva*, Townsville, Qld., 23.xii.[19]02, F.P. Dodd” [on card], “*Cotesia rufiventris* (Bingham). Lectotype 'x' designated by Austin & Dangerfield, 1992, 2 paralectotypes mounted on same card”, “Co-type, ♀, C.T. Bingham, *Protapanteles rufiventris* T.E.S. Lond. 1906, p. 127”, “Queensland, Townsville. Bred Dec. 23. [19]02, (fr. larva *Orgyrus genoveva* Hew.) & pres. 1906 by F.P. Dodd. T.E.S., Lond., 1906, pp. 119-132”, “1906, 2695”, “6”, “Type Hym: 52, *Protapanteles rufiventris* Bingham, Hope Dept. Oxford”, on card group of white cocoons. Paralectotypes: 7 ♀♀+ 3 ♂♂ (OUM), 1 ♀ (Australian National Insect Collection, Canberra) and some paralectotypes in BMNH, same labels as lectotype.

Valid name.— *Cotesia rufiventris* (Bingham, 1906).

rufiventris Westwood, 1882

Agathirsia rufiventris Westwood, 1882: 21, pl. 5, figs 5-8; Shenefelt, 1970: 310.

Material.— Holotype, ♀ (OUM), “Mexico, Coffin”, “M”, “*Agathirsia rufiventris* Westw.”, “Type Hym: 73, *Agathirsia rufiventris* Westwood, Hope Dept. Oxford”.

Valid name.— *Agathirsia rufiventris* Westwood, 1882.

rufula Westwood, 1882

Agathirsia rufula Westwood, 1882: 21, pl. 5, figs 1-4; Shenefelt, 1970: 310.

Material.— Holotype, ♂ (OUM), “Mexico, Coffin”, “M”, “*Agathirsia rufula* Westwood”, “Type Hym: 72, *Agathirsia rufiventris* Westwood, Hope Dept. Oxford”. According to the original description from Chapultipe and collected by D. Coffin.

Valid name.— *Agathirsia rufula* Westwood, 1882.

rugifrons Smith, 1858

Bracon rugifrons Smith, 1858a: 125.
Sigalphogastra rugifrons; Baltazar, 1972: 271; Shenefelt, 1978: 1723-1724.
Gammabracon rugifrons; Quicke, 1985c: 215.

Material.— Holotype, ♀ (OUM), "SAR", "*Bracon rugifrons* Smith", "*Gammabracon rugifrons* n. comb. Braconinae. Det. D. Quicke 1984".

Valid name.— *Gammabracon rugifrons* (Smith, 1858).

***rugifrons* Smith, 1860**

Agathis rugifrons Smith, 1860a: 66.
Hypsostypos rugifrons; Shenefelt, 1978: 417.

Material.— Holotype, ♂ (OUM), "Mak.", "*Agathis rugifrons* Smith".

Valid name.— *Hypsostypos rugifrons* (Smith, 1860).

***sarawacus* Westwood, 1882**

Euscelinus sarawacus Westwood, 1882: 26, pl. 6, fig. 9; Shenefelt & Marsh, 1974: 1296.

Material.— Holotype, ♂ (OUM), "SAR", "*Euscelinus sarawacus* Westw.". Apparently lost.

Valid name.— *Euscelinus sarawacus* Westwood, 1882.

***sculpturalis* Smith, 1858**

Agathis sculpturalis Smith, 1858b: 25, 1862: 65.
Disophrys sculpturalis; Shenefelt, 1970: 402.

Material.— Holotype, ♂ (OUM), "Mak.", "*Agathis sculpturalis* Smith". Additional specimen: 1 ♀ (OUM) from Gilolo, which cannot be a type.

Valid name.— *Pseudocremnops sculpturalis* (Smith, 1858) **comb. nov.**

***seditiosus* Cameron, 1899**

Bracon seditiosus Cameron, 1899: 76.
Iphiaulax seditiosus; Baltazar, 1972: 273; Shenefelt, 1978: 1795.

Material.— Holotype, ♀ (OUM), "*Bracon seditiosus* Cam., Type, Khasia", "668".

Valid name.— *Craspedolcus* (s.s.) *seditiosus* (Cameron, 1899) **comb. nov.**

***sericans* Westwood, 1882**

Agathona sericans Westwood, 1882: 23, pl. 5, figs 11-15.
Agathirsia sericans; Shenefelt, 1970: 311.

Material.— Lectotype (here designated), ♀ (OUM), "398", "Mexico, Coffin", "M", "*Agathona sericans* Westw.", "Type Hym: 76 1/2, *Agathona sericans* Westwood, Hope Dept. Oxford". Paralectotype: 1 ♀ (OUM), "418", "Mexico, Coffin", "M", "Type Hym: 76 2/2, *Agathona sericans* Westwood, Hope Dept. Oxford".

Valid name.— *Agathona sericans* Westwood, 1882.

sexnotatus Westwood, 1882

Cenocoelius sexnotatus Westwood, 1882: 39, pl. 7, fig. 6 [as *C. notatus*]; Shenefelt, 1970: 185.

Material.— Holotype, ♀ (OUM), "Amazons, Bates, (1861)", "Type Hym: 90, *Cenocoelius sexnotatus* Westwood, Hope Dept. Oxford".

Valid name.— *Capitonius sexnotatus* (Westwood, 1882) **comb. nov.**

simlaensis Cameron, 1899

Bracon simlaensis Cameron, 1899: 65–66.

Iphiaulax simlaensis; Baltazar, 1972: 273 (lectotype designation); Shenefelt, 1978: 1795.

Craspedolcus simlaensis; Quicke, 1985b: 357.

Material.— Lectotype (designated by Baltazar (1972) and Quicke (1985), ♀ (OUM), "Simla, India", "Bracon simlaensis Cam., Type, Simla", "664", "Lectotype female, *Bracon simlaensis* Cam., des. Baltazar, 1969, label applied by C. O'Toole, 17.ix.[19]90 (= *Iphiaulax simlaensis* (Cam.)). Paralectotype: 1 ♀ (OUM), "Paralectotype female *Bracon simlaensis* Cam., teste C. O'Toole, 17.ix.[19]90 (: *Iphiaulax simlaensis* (Cam.))".

Valid name.— *Craspedolcus* (s.l.) *simlaensis* (Cameron, 1899).

sinuata sensu Quicke, 1980

Zaglyptogaster sinuata "Grosvenor"; Quicke, 1980: 495. (Based on a manuscript name). Nomen nudum.

smithii Dalla Torre, 1898 (*Agathis*)

See *Agathis flavipennis* Smith, 1863.

smithii Dalla Torre, 1898 (*Bracon*)

See *Bracon flaviceps* Smith, 1865.

striata Smith, 1862

Agathis striata Smith, 1862: 66.

Braunsia striata; Shenefelt, 1970: 377.

Material.— Holotype, ♀ from Gilolo was not found, only 1 ♀ (OUM) from Ceram present.

Valid name.— *Braunsia striata* (Smith, 1862).

sulcata Smith, 1865

Spinaria sulcata Smith, 1865: 67, pl. 4-9; Shenefelt, 1975: 1259.

Material.— Lectotype (here designated), ♀ (OUM), "Gil.", "Coll. Smith 1897", "Spinaria sulcata Smith, l.c. Linn. Soc. V.S. p.67, pl. 4+9, Gilolo", "Type Hym: 79 1/2, *Spinaria sulcata* Smith, Hope Dept. Oxford". Paralectotype: 1 ♀ (OUM), "Gilolo", "Type Hym: 79 2/2, *Spinaria sulcata* Smith, Hope Dept. Oxford".

Valid name.— *Spinaria sulcata* Smith, 1865.

suliana Westwood, 1882

Spinaria suliana Westwood, 1882: 32; Shenefelt, 1975: 1259.

Material.— Lectotype (here designated), ♀ (OUM), "Sul [Sula Isl., near E Sulawesi]", "Type Hym: 83 1/2, *Spinaria suliana* Westwood, Hope Dept. Oxford". Paralectotype: 1 ♂ (OUM), same labels but "83 2/2".

Valid name.— *Spinaria suliana* Westwood, 1882.

suspiciosus Smith, 1858

Bracon suspiciosus Smith, 1858a: 123.

Iphiaulax suspiciosus; Baltazar, 1972: 273; Shenefelt, 1978: 1798.

Material.— Holotype, ♀ (OUM), "SAR", "Bracon suspiciosus Smith", "Ipobracon [label by the late J.G. Betrem]".

Valid name.— *Monilobracon suspiciosus* (Smith, 1858) **comb. nov.**

taprobanae Cameron, 1897

Apanteles taprobanae Cameron, 1897a: 38; Shenefelt, 1972: 647.

Material.— Lectotype (here designated), ♀ (OUM), "Apanteles taprobanae Cam., Type, [Ceylon, Trincomali, Yerbury, Rothney]", "1709". Paralectotypes: 2 ♀♀ (BMNH) under "3.c.1000".

Valid name.— *Cotesia taprobanae* (Cameron, 1897) **comb. nov.**

transversus Lyle, 1920

Earinus transversus Lyle, 1920: 249; Shenefelt, 1970: 407; Nixon, 1986: 228-229 (lectotype designation).

Material.— Lectotype (designated by Nixon (1986)), ♀ (OUM), "Lectotype", "ex *T. polycommata* [probably refers to the Geometrid *Trichopteryx polycommata* (Denis & Schiffermüller, 1775)]", "e. coll. J.C. Dale, C.W. Dale, Pres. 1906 C.W.D.", "Microdus rugulosus Nees, name in Dale Coll.", "Type *Earinus transversus* Lyle. Det. G.T. Lyle, Entomologist liii, Aug., Oct., Nov. 1920", "Type *Earinus transversus* Lyle", "*Earinus transversus* Lyle, lectotype, ♀, G.E.J. Nixon, 1984". Paralectotypes: 1 ♀ + 2 ♂♂ (OUM) in the Dale collection.

Valid name.— *Earinus transversus* Lyle, 1920.

tricarinatus Cameron, 1897

Bracon tricarinatus Cameron, 1897a: 33-34.
Campyloneurus tricarinatus; Shenefelt, 1978: 1665.

Material.— Holotype, ♀ (OUM), "Bracon 3-carinata Cam., Type, [Ceylon, Yerbury, Rothney]", "1075".

Valid name.— *Bicarinibracon tricarinatus* (Cameron, 1897) **comb. nov.**

tricolor Guérin-Méneville, 1830

Bracon tricolor sensu Smith, 1860b: 141; Baltazar, 1972: 276; Shenefelt, 1978: 1547.
Arubracon tricolor; van Achterberg, 1992: 391, 392.

Material.— 1 ♀ (OUM), "S [Salwatty]", "Bracon tricolor Smith".

Valid name.— *Arubracon tricolor* (Guérin-Méneville, 1830).

trimaculata Cameron, 1900

Spinaria trimaculata Cameron, 1900: 81-83; Shenefelt, 1975: 1259.
Campyloneurus trimaculata; Baltazar, 1972: 261.
Indabracon trimaculatus; van Achterberg, 1992: 387-388, figs 17, 18, 22-27, 29.

Material.— Holotype, ♀ (OUM), "Spinaria trimaculata Cam., Type, Khasia", "Type Hym: 95, Spinaria trimaculata Cameron, Hope Dept. Oxford". Head of holotype is missing.

Valid name.— *Indabracon trimaculatus* (Cameron, 1900).

triplagiata Cameron, 1900

Delmira triplagiata Cameron, 1900: 88.
Euurobracon triplagiata; Shenefelt, 1978: 1746; Quicke, 1989b: 790-791.

Material.— Holotype, ♀ (OUM), "Delmira triplagiata Cam., Type, Khasia", "782".

Valid name.— *Euurobracon triplagiata* (Cameron, 1900).

tuberculatus Cameron, 1899

Microdus tuberculatus Cameron, 1899: 95-96.
Braunsia tuberculata; Shenefelt, 1970: 378.

Material.— Holotype, ♀ (OUM), "Microdus tuberculatus Cam., Type, Khasia", "680".

Valid name.— *Braunsia tuberculata* (Cameron, 1899).

umbratilis Cameron, 1899

Bracon umbratilis Cameron, 1899: 74-75; Shenefelt, 1978: 1548.
Campyloneurus umbratilis; Dover, 1925: 39.

Material.— Holotype, ♀ (OUM), "Bracon umbratilis Cam., Type, Khasia", "659".

Valid name.— *Campyloneurus umbratilis* (Cameron, 1899).

vagatus Smith, 1858

Bracon vagatus Smith, 1858a: 124.
Iphiaulax vagatus; Baltazar, 1972: 273; Shenefelt, 1978: 1801.
Craspedolcus vagatus; Quicke, 1985b: 357.

Material.— Holotype, ♀ (OUM), "MT OPHIR", "Bracon vagatus Smith".

Valid name.— *Craspedolcus* (s.s.) *vagatus* (Smith, 1858).

vexator Haliday, 1835

Perilitus (Meteorus) vexator Haliday, 1835: 33.
Meteorus vexator Fischer, 1959: 12 (designation of neotype, USNM); Shenefelt, 1969: 100; Huddleston, 1980: 53.

Material.— In the OUM are two females on Haliday cards (of which one with "vexator" in Haliday's handwriting on a label). Both disagree with the original description and are obviously specimens collected later by Haliday and sent to Westwood.

Valid name.— *Meteorus vexator* (Haliday, 1835). Both specimens agree with the interpretation of the species by Huddleston (1980).

v-macula Cameron, 1899

Bracon v-macula Cameron, 1899: 62-63.
Ischnobracon v-macula; Baltazar, 1972: 265; Shenefelt, 1978: 1690.

Material.— Lectotype (here designated), ♀ (OUM), "Bracon v-macula Cam., Type, Khasia", "662". Paralectotypes: according to Rothney's annotations there should be 3 paralectotypes, we could trace only one unlabelled ♀ (OUM) in the general collection; 2 ♀♀ are present in BMNH (nos 3c.432 and 3c.433; note duplication of the latter number with that of *Bracon orientalis* Cameron!).

Valid name.— *Ischnobracon v-macula* (Cameron, 1899).

vollenhovii Westwood, 1882

Snellenius vollenhovii Westwood, 1882: 19, pl. 4, figs 1-4; Shenefelt, 1973: 784.

Material.— Holotype, ♂ (OUM), "N", "O", "Type Hym: 75, *Snellenius vollenhovii* Westwood, Hope Dept. Oxford".

Valid name.— *Snellenius vollenhovii* (Westwood, 1882).

vultuosus Smith, 1858

Bracon vultuosus Smith, 1858a: 125-126.
Chaoilta vultuosa; Baltazar, 1972: 264.; Shenefelt, 1978: 1669.

Material.— Holotype, ♀ (OUM), [Singapore], “*Bracon vultuosus* Smith”.

Valid name.— *Chaoilta vultuosa* (Smith, 1858).

yerburyi Cameron, 1897

Bracon yerburyi Cameron, 1897a: 36-37; Shenefelt, 1978: 1551-1552.

Material.— Holotype, ♀ (OUM), “*Bracon yerburyi* Cam., Type, [Ceylon, Trincomali, Yerbury, Rothney]”.

Valid name.— ?*Bracon yerburyi* (Cameron, 1897).

yokahamae Dalla Torre, 1898

See *Bracon penetrator* Smith, 1877.

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