THE CAMERON TYPES OF BRACONIDAE IN THE NETHERLANDS
(HYMENOPTERA, ICHNEUMONOIDEA)

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ABSTRACT
The types of 47 species of Braconidae described by P. Cameron in the period 1905-1913 from Dutch collections are listed. Lectotypes of 11 species are designated in this paper.

INTRODUCTION
In the period 1905-1913 Cameron described many Braconidae, mainly from the tropics. Among them are several described from collections received from the Instituut voor Taxonomische Zoölogie, Zoölogisch Museum, Amsterdam (abbreviated as ZMA). He retained several type-specimens, but unfortunately he did not mention the size of the type-series, nor the number of specimens he retained for his own collection. This paper is the result of a preliminary search for those types in his own collection (information kindly provided by Mr. T. Huddleston) now in the British Museum (Natural History) (abbreviated as BM(NH)), and in the collection of the Zoölogisch Museum at Amsterdam.

In the British Museum Collection there may be several unnamed syntypes, which can only be recognized by carefully comparing labels and descriptions. Some of the peculiarities discovered are that Cameron sometimes kept the whole series (e.g., of Mesostoma testaceipes Cameron, 1905) and that the name on his large typical labels is frequently different from the name published for the species concerned (e.g.,
He obviously also misquoted some labels (e.g., "Lorentz River", while the label reads "Lorentz [= name of collector], Noord Rivier"). It is therefore clearly useful to list the types and to label them correctly.

**LIST OF TYPES**

The species are listed alphabetically according to their specific name, followed by the original genus name (as published) in brackets, and by the place of description. The locality is given as found in the original description; if there is additional information on the labels, this is given between quotation-marks. Finally the type-series is mentioned, with the primary type first if more than one type-specimen is available. Unless otherwise stated the specimens are from the former Dutch New Guinea.

*albohalteatus* Cameron, 1907
(Trigonophatnus)

Holotype, ♂, ZMA.

*albolineata* Cameron, 1906
(Agathis)

Nova Guinea, 5: 47. Manokwari, 9d.
Lectotype, ♂, ZMA, here designated, "8 Juni '03"; 1 ♀, paralectotype, ZMA.

*albopilosellus* Cameron, 1911
(Cenocoelius)

Nova Guinea, 9: 248. Lorentz River, September; Bivak Island, November; Alkmaar, November, 9d.
Lectotype, ♂, ZMA, here designated, "Z. Nieuw Guinea, Lorentz, 1909-10, Noord Rivier, IX.09"; 1 ♀, paralectotype, ZMA, "Bivak Eiland, I.10" (Cameron probably misread the date); 1 ♀ and 1 specimen without metasoma from Heuvel Bivak, "XI.09", are excluded from the type-series, because the locality is not mentioned in the original description. Judging from the localities given by Cameron, some specimens are probably hidden in the collection of the British Museum.

*alkmaarenensis* Cameron, 1911
(Camyloneurus)

Holotype, ♂, ZMA, "9.VIII.1907".

*annulicornis* Cameron, 1911
(Cenocoelius)

Holotype, ♂, ZMA, "IX.09", head glued on mesosoma.

*basiornatus* Cameron, 1911
(Camyloneurus)

Holotype, ♂, ZMA, "XI.09, 750 m".

*bicarinata* Cameron, 1911
(Lissagathis)

Lectotype, ♂, BM(NH), 3.c.960, here designated, "Bivak Eiland, I.10"; 1 ♀, paralectotype, ZMA, "Alkmaar, II.10".

*brevistriolatus* Cameron, 1911
(Camyloneurus)

Holotype, ♂, ZMA, "I.10" (thus January 1910 !) and "Camyloneurus brevistriolatus...."

*crassicauda* Cameron, 1905
(Chaolita)

Borneo, ♀, (Indonesia).
Holotype, ♀, ZMA, "Geschenk [= gift] A. Pool, 1883".

cultricaudis Cameron, 1911
(Campyloneurus)
Holotype, ♀, ZMA, "Lorentz, Noord Rivier, IX.09" and "Camponeurus [...] ....".

etnaella Cameron, 1907
(Agathis)
Holotype, ♂, ZMA, "Etna Baai, 1904/5".

etnaellus Cameron, 1907
(Bracon)
Tijdschr. Ent., 50: 40-41. Etna Bay; Merauke, ♀.
Lectotype, ♀, BM(NH), 3.c.439, designated by Shenefelt (1978: 1482); paralectotype, ♀, ZMA, "Etna Baai, 1904/5".

fasciatipenne Cameron, 1911
(Megalommum)
Holotype, ♀, ZMA, "Bivak Eiland, I.19" and Megalomma fasciatipenne ...":

fulvinervis Cameron, 1911
(Rogas)
Holotype, ♂, ZMA, "Bivak Eiland, I.10".

fuscipennis Cameron, 1906
(Euagathis)
(= cameroni Enderlein, 1920)
Nova Guinea, 5: 45-46. Manokwari, 8 June, 2 or more ♂.
Lectotype, ♂, ZMA, here designated, "8 June '03".

heterospilus Cameron, 1911
(Campyloneurus)
Nova Guinea, 9: 239. Heuvel Bivak, November, 750 m, ♀.
Lectotype, ♀, ZMA, here designated, "IX.09, 750 m" and "Camponeurus ..."; 2 paralectotypes, ♀, ZMA; 1 paralectotype, ♀, BM(NH), 3.c.582.

heuvelensis Cameron, 1911
(Campyloneurus)
Holotype, ♀, ZMA, "IX.09, 750 m".

inaculicollis Cameron, 1911
(Campyloneurus)
Holotype, ♀, ZMA, "Regen Eiland, 20.XII.09".

lateritius Cameron, 1905
(Iphialaces)
Holotype not seen; absent in ZMA, may be (not labelled as type ?) in the BM(NH)-collection.

latianulatus Cameron, 1911
(Cenocelius)
Holotype, ♀, ZMA, "Bivak Eiland, I.10".

lineaticaudis Cameron, 1911
(Campyloneurus)
Holotype, ♀, ZMA, "Bivak Eiland, IX.09"; 1 ♀, excluded from type-series, "Bivak Eiland, II.10".

maculipenne Cameron, 1911
(Megalommum)
Nova Guinea, 9: 241. 1 ♀, no data.
Holotype, ♀, ZMA, "Bivak Eiland, I.10".

maculipes Cameron, 1911
(Euagathis)
Nova Guinea, 9: 245-246. Lorentz River, September, 1 d.
Holotype, ♂, ZMA, "Lorentz 1909/10, Noord Rivier, IX.09".

meraukensis Cameron, 1907
(Iphiaulax)
Holotype, ♀, ZMA.

mosoensis Cameron, 1906
(Bracon)
Holotype, ♀, ZMA, "Moso [], 9-14 Mei '03".

nigroceps Cameron, 1906
(Megalommum)
Nova Guinea, 5: 45. Wakobi, March, 1 ♀.
Holotype, ♀, ZMA, "Wakobi, 6.III.'03".

nigricornis Cameron, 1907
(Biroia)
Holotype, ♂, ZMA, "Etna Baai, 1904/5"; 5 paralecotypes, ♀, ZMA; 2 paralectotypes, 1 ♀ & 1 ♂, BM(NH), 3.c.924.

nigricornis Cameron, 1907
Lectotype, ♀, ZMA, here designated, "Etna Baai, 1904/5"; 5 paralecotypes, ♀, ZMA; 2 paralectotypes, 1 ♀ & 1 ♂, BM(NH), 3.c.924.

papua Cameron, 1906
(Euagathis)
Nova Guinea, 5: 46. Superior part of Jamur, 4. VIII., at least 2 ♀. ...
In ZMA 1 ♀-type with head missing ("B. Jamoe, 4 Aug."); because there may exist a complete type-specimen in the BM(NH)-collection, no lectotype is designated until it is certain that the specimen in ZMA is the only surviving type-specimen.

papuana Cameron, 1907
(Agathis)
Holotype, ♀, ZMA.

papuana Cameron, 1907
(Iphiaulax)
Holotype, ♂, ZMA, "Ormoe, 21-23 Mei".

pilitarsis Cameron, 1911
(Camploneurus)
Nova Guinea, 9: 235. Regen Island, December, 1 ♀
Holotype, ♀, ZMA, "Regen Eiland, 20.XII.09", "Chaeola [!] ....".

piliventris Cameron, 1913
(Cardiochiles)
Lectotype, ♀, ZMA, here designated, "Waigeoe, 31.XII.09", "Cardiochelis [!] ...."; 1 paralectotype, ♀, BM(NH), 3.c.872.

nitida Cameron, 1907
(Siragra)
Holotype, ♀, ZMA, "Etna Baai, 1904/5".

pallidiceps Cameron, 1911
(Chaoilta)

platynotus Cameron, 1907
(Iphiaulax)
quadricolor Cameron, 1911  
(Recabola)

Holotype, 9, ZMA, "XI.09", and "Campyloneurus [!] t quadricolor ....".

quadrifasciatus Cameron, 1911  
(Campyloneurus)

Holotype, 9, ZMA, "Alkmaar, XI.09", "Campyloneurus t quadrifasciatus ....".

rubrituberculatus Cameron, 1911  
(Campyloneurus)

Holotype, 9, ZMA, "Bivak Island, II.10" (thus February!), "Campyloneurus [!] t rubrituberculatus ...."; excluded from type-series, 1 9, ZMA, "Alkmaar, XI.09".

testaceipes Cameron, 1905  
(Mesostoma)

Lectotype, 9, BM(NH), here designated, 3.c.1144, "Op Blumea lacera D.C., Paseroean, 1900, Kobus"; paralectotype, 1 d, BM(NH).

trichiosomus Cameron, 1913  
(Cardiochiles)

Lectotype, 9, BM(NH), here designated, 3.c.873, "Waigeo, 8.I.10"; paralectotype, 1 d, ZMA, "Waigeo, 9.I.10".

tuberulata Cameron, 1905  
(Chaolita)

Tijdschr. Ent., 48: 40. Barabel, South-eastern district of Borneo, 9 (Indonesia).  
Holotype, 9, ZMA, "Chaolita [!] ...", fore wings and right hind wing missing.

varicorinus Cameron, 1907  
(Stagathis)

Lectotype, 9, ZMA, here designated, "Etna Bay, 1904/5"; 3 paralectotypes, 9, ZMA. The female with Cameron's label "Agathis varicorinus Cam., Type, New Guinea" obviously belongs to Stagathis varicorinus Cameron, but is excluded from the type-series because it is a 9 and it originates from Merauke.

varicornis Cameron, 1911  
(Zombrus)

Holotype, 9, ZMA, "Bivak Eiland, I.10", "Neotrimorus ...". The correct combination is Liodoryctes varicornis (Cameron) comb. nov.

varipilosella Cameron, 1911  
(Agathis)

Nova Guinea, 9: 244. Bivak Island, January, 1 d.
Holotype, ♂, ZMA, "Bivak Eiland, I.10", "Agathis nigropilosella [!] ...."; Cameron obviously changed the name after labelling the specimen.

_zanthocephalus_ Cameron, 1907
_(Bracon)_

Holotype, ♀, ZMA, "Etna Baal, 1904/5", densely covered by mould.

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REFERENCES