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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.,

Campsonneur and *Campyloneurus*, respectively). The name on the label is usually followed by "Type" and the locality; but not all type-specimens are labelled by Cameron.

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.

albobalteatus Cameron, 1907
(*Trigonophatnus*)

Tijdschr. Ent., 50: 36-37. Merauke, 1 ♀.
Holotype, ♀, ZMA.

albolineata Cameron, 1906
(*Agathis*)

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

albopilosellus Cameron, 1911
(*Cenocoelius*)

Nova Guinea, 9: 248. Lorentz River, September;
Bivak Eiland, November; Alkmaar, November, ♀♂.
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.

alkmaarensis Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 238-239. Alkmaar, August, 1 ♂.
Holotype, ♂, ZMA, "9.VIII.1907".

annulicornis Cameron, 1911
(*Cenocoelius*)

Nova Guinea, 9: 246-247. Bivak Eiland, September,
1 ♀.
Holotype, ♀, ZMA, "IX.09", head glued on meso-
soma.

basiornatus Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 240-241. Heuvel Bivak, November,
1 ♀.
Holotype, ♀, ZMA, "XI.09, 750 m".

bicarinata Cameron, 1911
(*Lissagathis*)

Nova Guinea, 9: 245. Bivak Island, January;
Alkmaar, February, ♀♂.
Lectotype, ♀, BM(NH), 3.c.960, here designated,
"Bivak Eiland, I.10"; 1 ♂, paralectotype, ZMA,
"Alkmaar, II.10".

brevistriolatus Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 238. Bivak Island, October, 1 ♀.
Holotype, ♀, ZMA, "I.10" (thus January 1910 !)
and "*Campsonneur* *brevistriatus*....":

crassicauda Cameron, 1905
(*Chaoilta*)

Tijdschr. Ent., 48: 41-42. Barabei, Z.O. afd.

Borneo, ♀, (Indonesia).

Holotype, ♀, ZMA, "Geschenk [= gift] A. Pool, 1883".

cultricaudis Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 240. Lorentz River, November, 1 ♀.

Holotype, ♀, ZMA, "Lorentz, Noord Rivier, IX.09" and "*Campsoneurus* [!]".

etnaella Cameron, 1907
(*Agathis*)

Tijdschr. Ent., 50: 33. Etna Bay, 1 ♂.

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
(*Megalomma*)

Nova Guinea, 9: 241-242. 1 ♀, no data.

Holotype, ♀, ZMA, "Bivak Eiland, I.19" and *Megalomma fasciatipenne* ...".

fulvinervis Cameron, 1911
(*Rogas*)

Nova Guinea, 9: 243. Bivak Island, January, 1 ♂.

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 "*Campsoneurus*"; 2 paralectotypes, ♀, ZMA; 1 paralectotype, ♀, BM(NH), 3.c.582.

heuvelensis Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 239-240. Heuvel Bivak, 750 m, November, 1 ♀.

Holotype, ♀, ZMA, "IX.09, 750 m".

insulicolus Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 236. Regen Island, December, 1 ♀.

Holotype, ♀, ZMA, "Regen Eiland, 20.XII.09".

lateritius Cameron, 1905
(*Iphiaulax*)

Tijdschr. Ent., 48: 39-40. Lahat, Palembang, ♀ (Indonesia).

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

latiannulatus Cameron, 1911
(*Cenocoelius*)

Nova Guinea, 9: 247-248. Bivak Island, January, 1 ♀.

Holotype, ♀, ZMA, "Bivak Eiland, I.10".

lineaticaudis Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 237. Bivak Island, November, 1 ♀.

Holotype, ♀, ZMA, "Bivak Eiland, IX.09"; 1 ♀, excluded from type-series, "Bivak Eiland, II.10".

maculipenne Cameron, 1911
(*Megalomma*)

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 ♂.
Holotype, ♂, ZMA, "Lorentz 1909/10, Noord Rivier,
IX.09".

meraukensis Cameron, 1907
(*Iphiaulax*)

Tijdschr. Ent., 50: 37-38. Merauke, 1 ♀.
Holotype, ♀, ZMA.

mosoensis Cameron, 1906
(*Bracon*)

Nova Guinea, 5: 43-44. Moso, 14.V., 1 ♀.
Holotype, ♀, ZMA, "Mosso [!], 9-14 Mei '03".

nigriceps Cameron, 1906
(*Megalommum*)

Nova Guinea, 5: 45. Wakobi, March, 1 ♀.
Holotype, ♀, ZMA, "Wakobi, 6.III.'03".

nigricornis Cameron, 1907
(*Biroia*)

Tijdschr. Ent., 50: 35. Etna Bay, 1 ♂.
Holotype, ♂, ZMA, "Etna Baai, 1904/5".

nitida Cameron, 1907
(*Siragra*)

Tijdschr. Ent., 50: 42-43. Etna Bay, 1 ♀.
Holotype, ♀, ZMA, "Etna Baai, 1904/5".

pallidiceps Cameron, 1911
(*Chaoilta*)

Nova Guinea, 9: 233-234. Regen Island, December,
1 ♀.

Holotype, ♀, ZMA, "Regen Eiland, 20.XII.09",
"Chaoilta [!]....".

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. Jamoer,
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*)

Tijdschr. Ent., 50: 34-35. Etna Bay, ♀♂.
Lectotype, ♀, ZMA, here designated, "Etna Baai,
1904/5"; 5 paralectotypes, ♀, ZMA; 2 paralecto-
types, 1 ♀ & 1 ♂, BM(NH), 3.c.924.

papuanus Cameron, 1906
(*Iphiaulax*)

Nova Guinea, 5: 44-45. Orum, 21-23.V., 1 ♀.
Holotype, ♀, ZMA, "Ormoe, 21-23 Mei".

pilitarsis Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 235. Regen Island, December, 1 ♀
Holotype, ♀, ZMA, "20.XII.09", "Campyloneurus
[!]".

piliventris Cameron, 1913
(*Cardiochiles*)

Bijdr. Dierk., 19: 85. January & December,
Waigeu, at least 2 ♂ (actually ♀).
Lectotype, ♀, ZMA, here designated, "Waigeo,
31.XII.09", "Cardiochelis [!]"; 1 paralecto-
type, ♀, BM(NH), 3.c.872.

platynotus Cameron, 1907
(*Iphiaulax*)

Tijdschr. Ent., 50: 38-39. Etna Bay, ♀.
Lectotype, ♀, ZMA, here designated, "Etna Baai";
3 paralectotypes, ♀, ZMA.

quadricolor Cameron, 1911
(*Hecabolus*)

Nova Guinea, 9: 243-244. Heuvel Bivak, 750 m,
November, ♀.

Holotype, ♀, ZMA, "XI.09", wings missing,
despite this absence it can be identified as a
species of *Syngaster* Brullé (comb. nov.).

quadrifasciatus Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 236. Bivak Island, January, 1 ♀.
Holotype, ♀, ZMA, "Bivak Island, I.10", and
"Camponeurus [!] 4-fasciatus".

rubrituberculatus Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 235. Alkmaar, November, 1 ♀,
Holotype, ♀, ZMA, "Alkmaar, XI.09", "*Camponeurus*
[!].....".

sulciscutus Cameron, 1905
(*Holcapanteles*)

Tijdschr. Ent., 48: 44. Pasuruan, 1 ♀, on *Blumea*
lacera-flowers (Indonesia).
Holotype not seen; absent in ZMA, and could not
be found in the BM(NH)-collection.

tenuilineatus Cameron, 1911
(*Campyloneurus*)

Nova Guinea, 9: 237-238. Bivak Island, January,
1 ♀.
Holotype, ♀, ZMA, "Bivak Eiland, II.10" (thus
February !), "*Camponeurus* [!]"; excluded
from type-series, 1 ♀, ZMA, "Alkmaar, XI.09".

testaceipes Cameron, 1905
(*Mesostoma*)

Tijdschr. Ent., 48: 42-43. Pasuruan, on flowers
of *Blumea lacera* D.C., (Indonesia).
Lectotype, ♀, BM(NH), here designated, 3.c.1144,
"Op *Blumea lacera* D.C., Pasoeroean, 1900, Kobus";
paralectotype, 1 ♂, BM(NH).

trichiosomus Cameron, 1913
(*Cardiochiles*)

Bijdr. Dierk., 19: 84-85. Waigeu, January, ♀♂.
Lectotype, ♀, BM(NH), here designated, 3.c.873,
"Waigeoe, 8.I.10"; paralectotype, 1 ♂, ZMA,
"Waigeoe, 9.I.10".

tuberculata Cameron, 1905
(*Chaolita*)

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

variceps Cameron, 1907
(*Euagathis*)

Tijdschr. Ent., 50: 32-33. Etna Bay, at least 2 ♂.
Lectotype, ♂, ZMA, here designated, "Etna Baai,
1904/5"; 3 paralectotypes, ♂, ZMA. The female with
Cameron's label "*Agathis variceps* Cam., Type,
New Guinea" obviously belongs to *Euagathis*
variceps Cameron, but is excluded from the type-
series because it is a ♀ and it originates from
Merauke.

varicornis Cameron, 1911
(*Zombrus*)

Nova Guinea, 9: 242-243. Bivak Eiland, January,
1 ♀.
Holotype, ♀, ZMA, "Bivak Eiland, I.10", "*Neotri-*
morus". The correct combination is *Liodyryc-*
tes varicornis (Cameron) comb. nov.

varipilosella Cameron, 1911
(*Agathis*)

Nova Guinea, 9: 244. Bivak Island, January, 1 ♂.

Holotype, ♂, ZMA, "Bivak Eiland, I.10", "*Agathis nigropilosella* [!] ..."; Cameron obviously changed the name after labelling the specimen.

xanthocephalus Cameron, 1907

(*Bracon*)

Tijdschr. Ent., 50: 39-40, 1 ♀, no data.

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

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