A List and some Notes on the Synonymy of the Types of the Subfamily Ichneumonine Ashmead (Hymenoptera) in the Collections of the British Museum and the Hope Department of the Oxford University Museum. By GERD HEINRICH (Borowki, Poland).

DURING February 1933 I spent some time studying the types of genera of Ichneumoninæ in the collections of the British Museum and the Hope Department of the Oxford University Museum. This was necessary for the preparation of a paper on my material from Celebes, collected in 1930–32. On this occasion I made some notes on synonymy, the publication of which seems desirable. The following paper, however, must not be considered as a final result of a special examination of types of species, but only as a preliminary and incomplete communication with regard to this subject, which, no doubt, is still very far from exhausted.

I wish to tender my most hearty thanks to those who aided me in this work, especially to Sir Edward Poulton, Dr. Hugh Scott, and Mr. J. F. Perkins.

1.—ICHNEUMONINI OTHER THAN BRITISH SPECIES.

A.—A List of the Types in the General Collection of the British Museum, and in the Collections of the Hope Department of the Oxford University Museum.

In the table (pp. 258-275) is given a list of the types in these two collections with notes. Those species marked \vec{z} type, $\hat{\gamma}$ type, or type refer to the notes on the label of the specimens. The holotypes and lectotypes are here indicated for the first time.

Peter Cameron frequently designated more than one specimen as "type" of a species. These are now in various collections.

The species of which there are more than one "type" will at once be seen from the table. The holotypes can only be found by a careful comparison of the "types" with the original descriptions.

Material in Material in type-specimens. Genus to which the species the British the Hope Notes. (Species marked with an should be assigned. Museum. Department. asterisk are genotypes.) Acanthojoppa apicilineata Cam. Acanthojoppa Cam. ? type. = A. tinetinennis Cam. ♀ type. of type. dudgeoni Cam. Q type. flavoorbitelis Cem. 2 type. indica Cam..... d type. lutes Cam ♀ type. nidrinerug Cam. 2 33 & 2 type. = A. cincticornis Cam. nigrolineata Cam. d type. ? type. schizoaspis Cam.* 2 type. Syn. A. xanthopsis Cam. tinetipennis Cam...... d type. Syn. A. apicilineata Cam., A. curtisping Cam. tricolor Cam. Q type. ♀ type. manthopeis Cam. & type. = A. schizoaspis Cam. Achaius flavobalteatus Cam.* & type. Agazenes cariniscutis Cam. Losgna Cam. d type. Agiaojoppa basalis Morl. prope Melanichneumon Thoms. ♀ type. caruleodecorata Cam. Aglaojoppa Cam. ♀ type. ceruleodorsata Cam. 3 type. carulescens Morl. d type. callogifer Morl. prope Melanichneumon Thoms. ? type. cariniscutis Cam. Aglaojoppa Cam. & type. femorata Cam. & type. flavolinesta Cem. d type. & type. flavomaculata Cam.*.... d type. 2 holotype.

Name on the label of the

glabrinotor Morl	prope Melanichneumon Thoms.	♀ type.		1
iridipennis Cam.	Agmoloppa cam.	♀ type.	2.3	n 81
mismasseriles Core		*****	of type.	E 3
nigrocœrulea Camquadrimaculata Cam	99 19		2 type.	
quadrimaculata Cam	** '*	d type.	♀ holotype.	E 31
quinquemaculata Cam	. ,,	14200 CO. CO.		10 31
rothneyi Cam		o type.	? type.	Care Til
varipes Cam	Amblyjoppa Cam.		d type.	Torso.
violsceipennis Cam	Aglaojoppa Cam.		3 type.	
Algathia erythropoda Cam	Melanichneumon Thoms.		d type.	1000 VSVC 101 U 55
erythropoda Cam	. Algathia Cam.		S type.	Type label marked
femorata Cam			3 type.	=Craticha. rufopetio- latus Cam.
flavobalteata Cam	Algathia Cam.		♀ type.	= A. rufipes Cam.
khasiana Cam	prope Cratichneumon Thoms.	d type.	3 type.	
latebalteata Cam	. Cratichneumon Thoms.		d type.	=Cratichn, rufopetio- latus Cam.
maculifacialis Cam	. , ,		d type.	moto Oam.
parvimaculata Cam	Algathia Cam.		of type.	
robusta Cam			d type.	=A. rufipes Cam.
rufipee Cam	1 : :			
		*****	♀ type.	Syn. A. robusta Cam., 3. A. flavobalte- ata Cam., ♀.
rufopetiolata Cam		*****	♂ type.	Syn. A. latebalteata Cam., A. femor- ata Cam., S.
tibialis Cam.	. , ,,		of type.	
zonata Cam			o type.	10
Amblyjoppa ælivanus Cam	Amblyjoppa Cam.	type.	2 ♀♀ types.	Syn. Ambl. violacei. pennis Cam., 3
fuscipennis Cam	Cwlichneumon Thoms.	2 type.	1000000	Syn. Protichneumon
		1.36.	1	piceipennis
		4	F: .	Morley.
		<u> </u>		naturally,

Name on the label of the type-specimens. (Species marked with an asterisk are genotypes.)	Genus to which the species should be assigned.	Material in the British Museum.	Material in the Hope Department.	Notes.
Amblyloppa ruf:balteata Cam.* ruficauda Cam. ruficepe Cam. rufocineta Cam. violaceipennis Cam.	Protichneumon Thoms. Amblyjoppa Cam.	? holotype. type. type.	o de ⊈ types. Ç types. o type.	=Ambl, ælivanus Cam.
Amblyteles auricomus Morl. hudsoni Cam. ludovicus Cam. spilogerus Morl. spilopterus Morl. Aneyra flavomaculata Cam.*	? non Amblyteles Wesm. Melanichneumon Thoms. prope Amblyteles Wesm. ? non Amblyteles Wesm.	d type, d type, type, type, d type.		
Anisobas cineticornis Cam	Acanthojoppa Cam.	2 99 types. type,	ਂ type,	Syn. Acanthojoppa nigrinerva Cam. Torso.
Antelea rufa Cam. Atanyjoppa flevomsculata Cam. rufomsculata Cam. spinosa Cam.	Atanyjoppa Cam.	ç type, type,	♀ type.	Not described.
Auclandia flavolineata Cam, flavomaculata Cam.* nigromaculata Cam.	Aucklandella ? Cam.	type. ♂ type. ♀ type. ♀ type.		
Aulojoppa spilocephala Cam. sulcipes Cam. Barlehneumon concinnator Morl. fossifer Morl.	=" Trogus " gryps Morl. Barichneumon Thoms	¢ type. ♀ type. ♂ type.		
planinatum Morl. Bathymetis testaceicornis Cam.	Applus Tischb.	♂ type. ♀ type. ♀ type.	5 <u>1</u> 57	

elargia albomaculata Cam.*	Lareiga Cam.		d type.	
enecles dimidiatus Morl.	prope Aoplus Tischb.	2 type.	10000	
politanus Morl. senyilus rufus Cam.*	prope Cratichneumon Thoms.	♀ type.		
tonullus rufus Cam *	Benyllus Cam		♀ type.	(In collection to be
lodargus rufus Cam.	Ischnojoppa Kriechb.	Ç type.	3,	found among the
sodargus rarus Cum.	zamiojoppa rerastiv.	1 + 13120	1	Cryptinæ) = Ischno- joppa Kriechb.
Buathra rufiventris Cam.*	Cryptine.		d type.	E
ystra testacea Cam.*			of type.	(i)t
mojoppa longitarsis Cam.*	Canoionna Cam	♀ type.	0	=Callajoppa lutoria F.
Callajoppa bilineata Cam.*		9 type.		(Trogus lutorius
			1	auct.).
Caspipina violaceipennis Cam			type.	
Catadelphus rubricaput Morl	; non Catagelphus Wesin.	y type.		
stigmaticus Morl	prope Catadelphus Wesm.	type.	76	10
Ceratojoppa cornuta Cam.*	Ceratojoppa Cam.	d type.		
Charitojoppa cœrulea Cam		2 type.	♀ type.	Syn. Char. varicolor
Ondition of the contract of th	chartesjoppa cam	4 00 100	+ *31.	Carn.
paricolor Cam	S2 33		♀ type.	-Char, corules Cam.
Chasmias ruficaudatus Morl			500000 To 180000	Head missing.
		S type.	1 4 4	Hoan missing.
Chiagias balteatus Cam			of type.	1.
longicornis Cam	1 1670 20.7		♀ type.	
longiventris Cam			♀ type.	
nigripes Cam.*		of type.	3 type.	E T
tinctipennis Cam	,, ,,	55.5.5.2.2. 10		t .
varipes Cam		? type.	2 type.	E.
Chlorojoppa cyanea Cam	Gredartia Bojo.	? type.		= Gœdartia Boie (Syn.,
Official obligation of the contract of the con	, dodding 2000	+ 12 1-1	1 1145557	Automalus Wesm.).
Cnemoloppa albitibialis Cam	Protichnouse on Thomas		♀ type.	za gronousces er centi. (.
Saucomete Com	1 rocionicumon inoma:		J& 2 types.	Described under the
flavoornate Cam. fuscipennis Cam.	Clarkish and many		2 or t chlear	
nuscipennis Cain	Coencineumon Thoms.	£	1	name Amblyjoppa
rufipes Cam.*	Cnemojoppa Cam.		♀ holotype, ≺	rufipesCam.(Zeitsch.
		E 200 (200 (200 (200 (200 (200 (200 (200		Hym. u. Dipt. 1903.
	40		1	Heft 3, pp. 179, 180).

Name on the label of the type-specimens. (Species marked with an asteriak are genotypes.)	Genus to which the species should be assigned.	Material in the British Museum.	Material in the Hope Department,	Notes.
Cnemojoppa rufipes Cam. Collehneumon apicicarinatus Morl. barnstoni Morl. cornelliger Morl. geminifer Morl. globulifer Morl. globulifer Morl. scopolifer Morl. scopolifer Morl. subcifer Morl. sublimifer Morl. sublumifer Morl. thyridifer Morl. viridissimus Morl. Colobacis forticornis Cam.* Corymbichneumon cariniger Morl.* Cosmiojoppa orbitalis Cam. ornata Cam. violaceipennis Cam.* Cratichneumon coxiger Morl. erythrogonus Cam. havanensis Cam. testaceicolor Morl. Cratojoppa cingulata Cam. maculata Cam. maculata Cam. maculata Cam. maculata Cam. ornaticeps Cam. ornaticeps Cam. robusta Cam.*	Hepiopelmus Wesm. prope Eupalamus Wesm. Cratichneumon Thoms. Barichneumon Thoms. Carinodes Hank. non Cratichneumon Thoms. Cratojoppa Cam.	c type. d type.	J type. J type.	

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rufofemorate Cam. Cryptopyge pulchripennis Sm. Cryptopyge E Cryptus penetrator Sm. prope Cratich Ctenochares gracilentor Morl. microcephalus Morl. Cyanojoppa cæruleicauda Cam. Codichneumo	neumon Thoms. d type,		
Cyanoloppa caruleicauda Cam Colichneumo	on Thoma.	♀ type.	=C. rufofemoratus Cam.
godwinausteni Cam	φ type.	₫ type. ♀ type.	=C. rufofemoratus Cam.
notate Cam. •	туре. ♀ туре.		Syn. C. cæruleicauda Cam., C. nigro- cærulea Cam., C. striata Cam.
striata Cam.	2 33 types.		=C. rufofemoratus Cam.
Darachosia fulvipes Cam.* Darymna zoneta Cam. Degithina buchani Cam.* caroli Cam. davidi Cam. hector Cam. Cestocormus Dimatha flavinervis Cam. nigrolineata Cam. Dinistantella maculiscutis Cam. Donlpides nigrinervis Cam. Cryptine Cryptine Cryptine Enschisiades Enschisiades Cam.* Cryptine	d type. type.	\$\forall \text{type.} \\ \text{\$\forall \text{type.} \\	

264 Material in type specimens. Material in Genus to which the species (Species marked with an the British should be assigned. the Hope Notes. asterisk are genotypes.) Museum. Department. Epijoppa cariniger Morl. Pyramidellus Szepl. ♀ type. enceles Morl type. nigrocoxata Morl. type. pygidifer Morl. type. rubricata Morl. type. type. triangulifer Morl. type. variabilis Morl..... type. Ergatha bilineata Cam. Hercsiaches Wesm. & type. Identical with Miojoppa rufa Cam... according to Morley. Eristieus froggattii Cam. Ichneumon L. ♀ type, =Fil. salomonis Cam. iridipennis Cam, Macrophatnus Cam, ♀ type. solomonis Cam. Ichneumon L. ♀ type. Erythroisehnus annulicornis Cam. . . . Syn. E. froggottii Cam. Phæogenini. d type. Erythrojoppa ferrugines Cam.* Erythrojoppa Cam. d type. d type. Syn. E. nigromaculinesta Cam. lata Cam. d type. nigripedalis Morl. d type. prope Erythrojoppa Cam. d type. nigromaculata Cam. Erythrojoppa Cam. ♀ type. ? type. =E. ferruginea Cam. rufipedalis Morl. prope Erythrojoppa Cam. Q type. Entanyaera pallidicoxis Cam.* prope Amblyteles Wesm. d type. stramineomaculata Cam. o type. Evirchema pallidimaculate Cam. ... prope Benyllus Cam. 2 type. Exephanes japonicus Cam. non Exephanes. Q type. Q type. Fædalma tricolor Cam.* Phæogenini.

.....

2 t type.

Name on the label of the

Fileanta balteata Cern.*.... 2 AA types. & type. - Fileanta cursoria Fileanta Cam. Smith. - Fileanta cursoria 2 33 types. Smith. Gathetus melanocerus Cam. Gathetus Cam. 2 type. ♀ type. Gayrana maculipes Cam. prope Cratichneumon Thoms. Synonymy & type. Svn. S. tibialis Cam. Gurtyla albipilesa Cam.* Barichneumon Thoms. & type. tibialis Cam. ,,, =S. albipilosa Cam. d type. Gyrodonta flavomaculata Cam. Gyrodonta Cam. ♀ type. Habroloppa leucozona Cam. Habroloppa Cam. & type. magulifacialis Cam. ,, ,, 2 type. rufopetiolata Cam..... Q type. Hadrojoppa annulitarsis Cam. Amblyjoppa Cam. type. cognatoria Cam. , , , , forticornis Cam. , , , , , type. Q type. type. fumipennis Cam. prope Amblyjoppa Cam.

Hallphera maculata Cam. Achaius Cam. type. d type. ♀ type. d type. Ichneumoninæ & type. & type. Hiorada bilineata Cam. Hiorada Cam. & type. & type. Holdehneumon testaceus Cam. Q type. Holcojoppa flavipennis Cam. Holcojoppa Cam. type. Hoplismenus leptocerus Cam. Cratichneumon Thoms. micado Cam. Callajoppa Cam. type. d type. Hyptophatnus lineatus Cam.*..... Hyptophatnus Cam. d type. Ishneumon actista Cam. d type. agraensis Cam. Ischnojoppa. d type. appropinquans Cam. Myermo Cam. Q type. argentipilosus Cam. Neotropichneumon Heinr. ♀ type. ariel Cam. d type. artaxidia Cam. Platylabus Wesm. Q type.

Name on the label of the type-specimens. (Species marked with an asterisk are genetypes.)	Genus to which the species should be assigned.	Material in the British Museum.	Material in the Hope Department.	Notes.
tehnsumon beatus Cam. bellatulus Cam. bilimeki Cam. bivittatus Morl. browni Cam. budaha Cam. carinifrons Cam. castor Cam. causticus Cam. celatus Cam. celatus Cam. clarimontis Cam. clotho Cam. colonsii Cam. consanguinus Cam. consanguinus Cam. conspiratus Smith costaricensis Cam. cursorius Smith	prope Melanichneumon Thoms. Ichneumon L. Phæogenine. Aoplus Tischb. Aglaojoppa Cam. Cressonianus Ashm. prope Ichneumon L. Lareiga Cam. prope Cratichneumon Thoms. Phæogenine.	\$\text{type.} \\ \text{\$\text{type.} \\ \text{\$\text{\$\text{type.} \\ \text{\$\text{type.} \\ \text{\$\text{type.} \\ \text{\$\text{type.} \\ \text{\$\text{type.} \\ \text{\$\text{\$\text{type.} \\ \text{\$\text{\$\text{type.} \\ \text{\$\text{\$\text{type.} \\ \$\text{\$\tex	♂ type. ♀ type. ♀ type.	Syn. Ambl. radosz- kovskii Berth. Ş. Hein. J. File- anta balteata
curtituberculatus Cam. deceptus Smith democraticus Cam. dentatus Smith	Degithina Cam.	♀ type. ♀ type. ♀ type. type.		Cam. 8, F. rufi couda Cam.

G		Ç type.	į		
eros Cam.	propa Parishpauman Thomas	9 type.	1		
erythromelas Cam.	prope Baricineumon Thoms.	d type.		15	
exhilarator Smith	1	d type.	i .	P2 (0	
falsus Carn.				1	d av
astidiosissimus Cam		S type.	1	12	3
lavitarsis Smith		type.			1
orreri Cam		& type.	1	E E	Shrondud of
rederici Cam		Ç type.			5
generosus Smith	Ichneumon L.	d type.	1	Torso.	7
odwinausteni Cam	Colichneumon Thoms.	type.		Torso.	4
ruatemalensis Cam		♀ type.	0.7	E E	1 9
elmsi Cam	Ichneumon L.	d lectotype.	1	1	-
p) p;		d type.	14		30,773
ersilia Cam		d type.		I.	5
nuttoni Kirby		type.	12	2	1
ernonite Com	Corntine		3 type.	1	$e^{-\epsilon}$
mpudicus Cam.	Oly pourer	& type.	0.45000 07500 00000	No see a	5
incansecens Smith	Tricholabus Thoms.	2 type.		Syn. Otohimea nigra	
HOMESCORIE CHIEVE	THOMOGOGO XII			Uchida.	41
inquieta Cam	Phæogenine.		ç type.	T	f .
insidiator Smith		& type.			1
nsolitus Cam		d type.			A
ntammatus Cam.		O of her	d type.	1	
	Ichneumon L.		o type.	1 7	1
ntequate Cam		♀ type.	0.01	4	1
invectus Smith		2 type.		1	
irritator Smith		Ω type.	23		
ixia Cam		g type.			4
jalapensis Cam					4
johanni Cam.	197	♀ type.		3	4
jukatenensis Cam		♀ type.	4-1	N eg	
lariceus Cam		type.			4
leodacus Cam	. non Ichneumon L.	Ç type.		- 法	
leodacus Cam	. non lenneumon L.	* rabe.		1	-

Name on the label of the type-specimens. (Species marked with an asteriak are genotypes.)	Genus to which the species should be assigned.	Material in the British Museum.	Material in the Hope Department.	Notes.
chneumon lepidus Cam. lissoscapus Cam. macelenus Cam. maculipleuralis Cam. mathewi Cam. mathewi Cam. notabilis Cam. notabilis Cam. notabilis Cam. nopinous Cam. opinous Cam. opinous Cam. opiparus Cam. opiparus Cam. pacificus Cam. parsimonious Cam. passoci Kirby patricius Hal. perfidiceus Smith peringueyi Cam. phædra Cam. placidus Smith platyaspis Cam. plebejus Hal. pollux Cam. prosyuna Cam. prosyuna Cam. prosyuna Cam. prosyuna Cam. preseles Cam.	Cratichneumon Thoms. prope Cratichneumon Thoms. Ichneumon L. Stenichneumon Schrank. prope Melanichneumon Thoms. Matara Holmgr. prope Ichneumon L. prope Amblyteles Wesm. Ichneumon L. Triptognathus Berth. prope Œgethima Cam. Phæogenine. prope Œgethima Cam. prope Cratichneumon Thoms. Ichneumon L. prope Ichneumon L. prope Ichneumon L.	d type. q type. q type. d type.	♂ type.	

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questor Cam	prope Car	inodes Hanl	k.	Ω type.	
richardi Cam	prope Cra	tichneumon	Thoms.	d type.	A second
rothneyi Cam	Melanichr	eumon Tho	ms.	type.	2 type.
rubrocinctus Cam	Macropha	tous Cam.		d type.	
sallei Cam		The second second		d type.	
semiobscurus Cam		**		o type.	
sublutus Cam.	0.577.0	"		o type.	.51
subpinguis Cam	**	**		♀ type.	
embeeriva Cam		,,		d type.	
		**			
suffragenia Cam	71	**		d type.	
suffulfus Cam		29		d type.	
sycophantus Cam.		77		d type.	0.4
tapiobana Cam.		21			♀ type.
thulensis Ruthe				♀ type.	
thyelma Cam				d type.	
transvalensis Cam		lanichneum	on Thoms.	♀ type.	
trunculentus Cam	**		22	type.	
tumidulus Cam.		21	31	♀ type.	4
turpiculus Cam		**	10	& type.	
ursula Cam			17	♀ type.	
utetes Cam	Phæogeni	ine.		2 type.	
vacillans Cam					d type.
valladolensis Cam				d type.	100000000000
veo Cheesm.		on L.		Ç type.	10
verepacis Cam				9 type.	
vexator Smith.	Melanich	neumon The	ms.	2 type.	
virulentus Smith		to different a trac		⊈ type.	
vischnu Cem.		umon Thom			& type.
			9.	♀ type.	O of por
wellingtoni Cam.	Dhamada	ounton L.			1
xanthorrhœus Hel				d type.	♀ type.
santa cariniscutis Cam		HIII.		\$ type.	
fulvipes Cam	**	11		,	♀ type.

type-specimens. (Species marked with an asteriak are genotypes.)	Genus to which the species should be assigned.	the British Museum.	the Hope Department.	Notes.	
Ileanta latitarsis Cam.* trochanterata Cam. Imeria magretti Cam.	,, ,,		♀ type. ♀ type.		
Isehnojoppa luteator, var. unicolor Morl. salvini Cam.	non Isehnojoppa Kriech.	type. 3 type. 2 type.			Mr
Joppa bimaculata Cam. chiriquensis Cam. dentipes Cam.	Joppa Fab.	type. type. type.			Gerd
distinguens Morl. elegans † Smith † flavinervis Cam.	Macrojoppa Kriech.	type. type. type.			
geniculata Cam. hilaris Smith	" "	type.			Heinrich
maculicornis Cam. melanostigma Cam. modesta Smith	n 1.	type. type.			on
nigriceps Cam. rogersi Cam. stigmatics Morl.	" "	type. type. type.			the
varimaculata Cam. variolosa Smith varipes Cam.	" "	type. type. type.			
xanthostoma Cam. Joppites bivittata Morl. madecassa Morl.	non Joppites.	type. ‡ type.		53	(T
Lachmetha spinitarsis Cam.*	Lachmetha Cam.	♀ type.	2 ♀ types.		

Name on the label of the

Lagenesta duplicator Morl		type.	♀ type.	1
monitor Morl. sinifer Morl. triplicator Morl.	" " "	o type.	i	
violaceipennis Cam	Eupalamus Weem.	? type.	1	,
Lamprojoppa cosrulea Cam.*			⊋ type. ♀ type.	
Lareiga albomaculata Cum	Cratichneumon Thom.	♀ type.	· ······	=Cratichn, cameroni Heinr.
flavomaculate Camrufofemorois Cam.*		d type. P holotype.	Ç type.	=Cratichneumon cameroni Heinr.
Lansoba forticeps Cam.*	Lausaba Cam.	đ type. đ type.		(Syn. Lareiga albo- imuculata Cam.). Syn. Genus Œdice- phalopsis Heinr. (Mitt. Zool. Mus. Berlin, 1930. xv.
Legnatia fulvipes Cam.* Leptoloppa erythrothorax Cam.* Leptophatnus ornatiscutis Cam.	Leptojoppa Cam.	♀ type. ♂ type.	Q type. Q type.	p. 548).
Leptotheens alutacefer Morl. mesonotifer Morl. punctifer Morl. rufomaculatus Cam.*	prope Leptothecus Cam. Cryptine. Leptothecus Cam.	♀ type. ♀ type. ♂ type. ♀ type.		
Leroyna ferrugines Cam	Ichneumon L.	Ç type.	1	Apparently unde- scribed.
Lindigia africana Morl	Liojoppa Szepl.	type.	1	morroed.

Name on the label of the type-specimens. (Species marked with an asterisk are genotypes.)	Genus to which the species should be assigned.	Material in the British Museum.	Material in the Hope Department.	Notes.
Lindigia immaculata Mori. multiplagiata Cam. cohracea Mori. Linteria maculata Cam. ornaticepe Cam. violaceipennia Cam. Lissichneumon levis Cam. Lortygia rufa Cam. Lortygia rufa Cam. Lospaa forticepe Cam. Macrojoppa conflatus Mori. imperialis Mori. parvicepe Cam. Macrojoppa Cam. Macrojoppa Cam. Macrojoppa Cam. Marrettia crassispina Cam. rufipee Cam. Marrettia crassispina Cam. maculicepe Cam. Marrettia crassispina Cam.	non Lindigia Szepl. prope Cratichneumon Thoms. "" Cratichneumon Thoms, prope Melanichneumon Thoms. Losgna Cam. Macrojoppa Kriech. Araoscleis Schulz. Macrophatnus Cam. "" Xenojoppa Cam. Maraces Cam. prope Melanichneumon Thoms, prope Togea Uch. prope Melanichneumon Thoms, prope Colichneumon Thoms, non Melanichneumon Thoms, non Melanichneumon Thoms, non Melanichneumon Thoms,	type. type. type. d type. d type. d type. d type. d type. type. type. d type.	g type. g type. g type. g type.	Xenojoppa crassi spina Cam,
mucialise Wilk		\$ type.	(1)	

iridipeanis Cam. prope Melanichneumon Thoms. maculitarais Cam. Stenichneumon Schrank. ruffpes Cam.* Myermo Cam. Næsaria grandiceps Cam.* Nænaria Cam. Hectypus obscurator Morl. Rhadinodonta Szepl. Nirvana maculipeanis Morl.* Magwenga Morl.	d type. type. type. type. type. type.	♀ type. ♀ holotype. ♀ type.	Described as Mag- wenga maculipennis
Odontojoppa metallica Cam.* Edicephalus crythropygus Morl fortaspina Cam glucudatus Cam linoigor Morl Orizabla latepetiolata Cam.* Abzaria Cam.	d type. type. type. type. type.	d type.	Mori.
Orizabia latepetiolata Cam Abzaria Cam.	of type.	******	Described as Abzaria lateopetiolata Cam. B.C.A.
Oxyloppa flavobalteata Cam.* Pyramidellus Szepl. Pachyloppa tibialis Cam.* Pachyloppa Cam. Patroclus venezuelenais Cam. Pedinopalte violaceipennis Cam. Phalsura nigricops Cam.* Phaisura Cam. Phygadenen prelatus Hal. ? Ctenichneumon Thoms. Platylabus altitudinis Turn. Platylabus Wesm. atricinotus Mori. non Platylabus Wesm.	type. type. type. type. type. type. type. type. type. type.	♀ type.	D.C.A.
rufoornatus ? Pramba mandibularis Cam.* Probolus albocinetus Cam. Varilineata Cam. Protichneumen persicus Morl. Protichneumen Thoms.	♀ type. ♀ type. ♀ type. ♂ type. ♀ type.	♀ tуре.	
Pseudamblyfeles ormsbyensis Cam Ichneumon L. Setanta femoralis Cam Setanta Cam.	S type.	2 type.	

Name on the label of the type-specimen. (Species marked with an asteriak are genotypes.)	Genus to which the species should be assigned.	Material in the British Museum.	Material in the Hope Department.	Notes.
stanta rufipes Cam.* spillehneumon didymatus Morl. triangulator Morl. unipunstor Morl. stenichneumen castanopygus Morl. ochraceator Morl. watertoni Morl.	prope Melanichneumon Thoms. Macrophatnus Cam. prope Macrophatnus Cam. non Stenichneumon Thoms.	d type. d type. d type. d type. d type. d type. type. d type.	Ç type.	Torso.
Stirexephanes melanarius Cam.* StireJoppa violaceipennis Cam.* Sutida rufipes Cam.	Stirexephanes Cam. Stirojoppa Cam. Heresiarches Wesm.	\$\foating\$ type. \$\foating\$ type.		Apparently unde- scribed.
Systemia rufofacies Cam.* Tetragonoshora abdominalis Morl. anomala Morl. baltesta Cam. maculicollis Cam.		type. type. type. type. type.	♀ type.	
rufa Cam	***************************************	type.		cf. Morley, Rev. Ichn. iv. 73.
tarsalis Morl. theronioides Morl. Tregomerpha godmani Cam. lymphatus Cam. melanopoda Cam. panamensis Cam. Tregus arrogans Smith ohinensis Morl.	Callajoppa Cam.	type. type. type. type. type. type. type. type. type.		

gryps Morl. flammipennis Morl. montanus Cam. persoides Smith.	Callajoppa Cam. Anisobas Wesm. Callajoppa Cam.	type. \$\varphi\$ type. type. type. type.		
Fyanites rufipes Cam.*	Chieumon L.	Ç type.	2 type.	1
Diestra varicornis Cam.	Olestra Cam.		r type.	
absaris forticornis Cam.	Cratichneumon Thoms.	o type.		
Canthojoppa areolator Morl		of type.		
bipappilator Morl	prope Macrophatnus Cam	d type.		
collifer Mori.		♀ type.		
cothurnatus Morl		o type.	45	
crassispina Cam	Acanthojoppa Cam.	o type.	♀ type.	1
debilator Morl.	*******	o type.	A Tare Vinesa	#
avalenator Morl		₹ type.		
femorate Cam	Euplamus Wesm.		3 type.	Syn. X. geniculata Cam.
geniculata Cara	n n	******	♀ type.	=Eupalamus femo-; ratus Cam.
gracilator Morl		♂ type.	1	
gracilator Morl	prope Xestojoppa Cam.		of type.	
striator Morl		♂ type.		
trilineata Cam	Hoplismenus Grav.	Q lectotype.	♀ type.	
truncator Morl.	Stenophorus Sauss.	♀ type.	1000	
Xenojoppa crassispina Cam.*		♀ type.	******	Syn. Magrettia maculi- ceps Cam.
ettschelsii Cam. fossifrons Morl.		♀ type. ♀ type.		
Xestojoppa bilineata Cam.	Vesteienne Com		2 type.	=X. olivacea Cam.
Austojoppa ommedia Cam.	Acamtoppa cam.	Ç type.	2 type.	Syn. X. bilineata Cam.
olivaces Cam.	7t		t cype.	byn. A. ouneata Cam.
Zestocormus malanopus Cam.*	Aestocormus Cam.	♀ type.	594	
Zonojoppa violaceipennis Cam."		♀ holotype.		
violaceipeunis Cam	**	♂ type.	8	1

B.—Notes on the Synonymy of Species and on the Genera to which they should be assigned.

Acanthojoppa apicilineata Cam., Q=Acanthojoppa curtispina Cam., 3.

> =Acanthojoppa tinctipennis Cam., J.

All three species were described in 1903 from the Khasia Hills.

Acanthojoppa schizoaspis Cam., ⊇=Acanthojoppa xanthopsis Cam., ♂, Khasia Hills.

Acanthojoppa ("Anisobas") cinclicornis Cam., \mathcal{Q} (1902) = Acanthojoppa nigrinerva Cam., $\mathcal{J}\mathcal{Q}$ (1909), Borneo.

Algathia rufipes Cam., Q. Algathia robusta Cam., S.

—Algathia flavobalteata Cam., ♀.

All three species were described in 1904 from the Khasia Hills. They represent both sexes or unimportant individual variations in colour.

Algathia rufopetiolata Cam., $\mathcal{J} = Algathia$ latebalteata Cam., \mathcal{J} . = Algathia femorata Cam.,

3.

The three species, also described in 1904 from the Khasia Hills, represent very unimportant individual colour-variations.

Amblyjoppa ælivanus Cam., ♀ (1897) = Amblyjoppa violaceipennis Cam., ♂ (1903), Khasia Hills.

Amblyjoppa fuscipennis Cam., $\varphi = C$ elichneumon fuscipennis Cam., φ .

Syn. Protichneumon piceipennis Morl.

Morley has synonymized the genus Amblyjoppa Cam. with Prolichneumon Thoms., and because in the latter the name of the species "fuscipennis" was preoccupied, he substituted for it the name piccipennis Morl. The type of "Amblyjoppa fuscipennis Cam.," however, belongs neither to Amblyjoppa Cam. nor to Prolichneumon Thoms., but to Cælichneumon Thoms., and so the species may retain the first name.

Anisobas cincticornis Cam. vide Acanthojoppa cincticornis Cam. Bodargus rufus Cam., = Ischnojoppa luteator F.
Syn. Ichneumon agraensis
Cam., 3.

/ Charitojoppa cœrulea Cam., ♀=Charitojoppa varicolor Cam., ♀, Khasia Hills.

The type of *Charitojoppa varicolor* Cam. seems to me not to be a variation, but an anomalous, perhaps chemical transformation in colour.

Cnemojoppa rufipes Cam., ♀, MS. name (1907, Tijd. Schr. Ent. l. p. 77). This species was described under the name Amblyjoppa rufipes Cam., but it differs so much from the typical species of the genus Amblyjoppa Cam., and also from Protichneumon Thoms., that the erection of a new genus seems to be justified. As Cameron has only once mentioned his genus "Cnemojoppa," without description, I now give one.

Genus Cnemojoppa Cam. Comes nearer to Protichneumon Thoms. than to Amblyjoppa Cam. Abdomen of
the female oxypygidial, postpetiole striate. Differs
from Protichneumon Thoms. by the very long and slender
abdomen with parallel sides, the larger gastrocceli with
a narrow space between them, and the more sharply
prominent area superomedia.

Type: Cnemojoppa rufipes Cam. in coll. Rothney, Oxford, Hope Dept., described as Amblyjoppa rufipes (Zeitschr. Hym. und Dipt. 1903, Heft 3, pp. 179–180).

Cyanojoppa rufofemorata Cam., $\mathcal{Q}=$ Cælichneumon rufofemoratus Cam., \mathcal{Q}

Syn. Cyanojoppa nigrocærulea Cam., Q.

Syn. Cyanojoppa cæruleicauda Cam., 3.

Syn. Cyanojoppa striata Cam., 3.

All these types represent only individual and unimportant colour-differences of the same species.

Erythrojoppa ferruginea Cam., δ =Erythrojoppa nigromaculata Cam., Q, Khasia Hills.

These types represent the sexes of a species. Erythro-

joppa lineata Cam., ♂, is perhaps only a melanic of the male.

Eristicus solomonis Cam., 3=Ichneumon solomonis Cam. Syn. Eristicus froggattii Cam., ♀.

Ichneumon cursorius Smith, ♀=Fileanta cursoria Smith.
Syn. Amblyteles radoszkowskii Berth., ♀.

Syn. Fileanta balteata Cam., 3.

Syn. Fileanta ruficauda Cam., J. Syn. Triptognathus

Syn. Triptognathus radoszkowskii Heinr., o

This species seems to be common in all Asiatic mountains with dry climate. On account of the undidentate mandibles I placed it in the genus *Triptognathus* Berth. But it differs from it by the much more slende: and longer antennæ and legs of both sexes, and by the hypopygium of the male being not very acute, and the convex scutellum of the male. So the crection of the genus *Fileanta* Cam, now seems to me to be justified.

Ichneumon incanescens Cam. = Tricholabus incanescens Cam., Japan.

Syn. Otohimea nigra Uch.

Ichneumon insolitus Walker = Cratichneumon insolitus Walker, Japan.

The type bears a label from Morley "= Cratichneumon annulator F.," but it is not identical with this specie:

Fileanta balteata Cam. vide Ichneumon cursorius Smith. Gurfyia albipilosa Cam. =Gurfyia tibialis Cam., Simla.

Both types represent only unimportant individual differences of the same species.

Lareiga rufofemorata Cam. = Cratichneumon cameroni Heinr.

Syn. Lareiga albomaculata Cam.

Neotypus obscurator Morley, 3 (1919)=Rhadinodonta obscurator Morl.

The type agrees only in colour with Neotypus Först. It belongs to the genus Rhadinodonta Szepl., described in 1910 from the Kilimanjaro, and is perhaps also conspecific.

Xanthojoppa femorata Cam., ♂=Eupalamus femoratus Cam., ♂.
Syn. Xanthojoppa geniculata Cam., ♀.

The two types represent the sexes of the same species, which belongs to the genus *Lagenesta* Cam., a synonym of *Eupalamus* Wesm.

Xenojoppa crassispina Cam., ♀=Magrettic maculiceps Cam., ♂, Lasia Hills,

Xestojoppa bilineata Cam., ⊊=Xestojoppa or ricea Cam.,

The two types represent unimportant colour . fferences.

Myermo rufipes Cam., $\mathfrak{J} = M$ yermo fumipe als Cam., \mathfrak{J} .

Magrettia maculiceps Cam., \mathfrak{J} , vide Xeno, \mathfrak{J} pa crassispina Cam.

2.—British Ichneumoninas.

Ichneumon crassorius Desv. $\Im \varphi = I$ chneum didymus Grav.

Morley has erroneously synonymised in in 'British Ichneumons' this species with *Ichneumon inquinatus* Wesm.

Ichneumon paludator Desv., ♀=Chasmia paludicola Wesm.

Morley placed this species in *Ichneumon quæs. to. ius* Grav. but the latter is not represented in the Britis A Ichneumoninæ.

Amblyteles flavocinctus Desv., $\beta = Amblyteles pen eri Wesm.$ Ichneumon semirufus Desv., $\varphi = Ichneumon aprices Grav.$

In the 'British Ichneumons' Morley has put this species in the genus *Platylabus*, but he remark: "...it is quite possibly known on the Continent under a different name...."

Ichneumon rufipes Steph. ♀; belongs neither to Eurylabus Wesm., where Morley placed it, nor at all to the subfamily Ichneumoninæ Ashm.