

NOTES ON THE SPINOLA COLLECTION OF FULGOROIDEA

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ABSTRACT

The 64 species described by Spinola, their repositories and current names, and the species found in the Spinola collection and their current names, including 58 manuscript names, are summarized.

KEY WORDS

Spinola, Collection, Types, Fulgoroidea

INTRODUCTION

Spinola made two significant contributions to the study of Fulgoroidea, his 321 page Essay on the Fulgoroidea (1839) and his and Blanchard's 67 page report on the Fulgoroidea of Chile (1852). Since his collection is now in the Museo Regionale di Scienze Naturali Turin, fulgoroid specialists at this meeting have the opportunity to study the collection. I visited the collection in 1981 without a list of his species and wasted precious time studying specimens with manuscript names or labelled "mihi", which Spinola apparently used to indicate other author's species placed in his genera as well as his new species. I interpreted his "mihi" as meaning only his genus or species, not "new combination", and I was wrong.

Thus I summarize in Table I Spinola's 18 genera and 64 species, the designated type repositories, and the current name of the species (from his two publications on Fulgoroidea and one species described in 1850).

According to Horn and Kahle (1935), specimens from Serville's collection were deposited through Signoret in the Natural History Museum of Vienna. However, when Dr. Alfred Kaltenbach searched for the species in Vienna, he wrote "I must inform you that none of our specimens shows an indication to its origin from Serville's collection. Neither could I find any identification note by Spinola on the labels although I have checked every specimen carefully. . . . I cannot say if the indication for Serville's collection in this museum (Horn and Kahle) was wrong or if Serville's specimens in the Collection Signoret never did bear an indication of the previous owner. One part of Signoret's collection was transferred to the Paris Museum." However, Dr. Kaltenbach returned my list of species with "+" and "-" showing that all but 7 of the species (marked with a "-" in the table) are present in Vienna from the Signoret collection.

The 10 new species of Spinola in Gay's "Historia Fisica y Politica de Chile" (1852) are listed in Table 1B with collection repository. Although Metcalf's catalog credits Spinola with authorship of all 23 of the Fulgoroidea in Gay (1852), on page 113 of Gay it states that all species marked with an "x" should be attributed to Blanchard. Blanchard's types are in Paris, as are some cotypes of Spinola, examined and listed by Dr. Thierry Bourgoin.

Table 2 is a modification of Casale's catalog (1981) of the fulgoroid collection of Spinola with current names and an indication of which specimens are actual types. This includes 58 names of Fulgoroidea Spinola apparently had in manuscript but which have not been published.

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TABLE I A. SPINOLA SPECIES (1939) AND TYPE REPOSITORY.
Families alphabetical, species usually in sequence described.

Family and Current Name	Original Name	Type		Locality
		Reposit	briles	
ACANALONIIDAE				
Acanalonia servillei S.	unchanged	♂ (1)	0	Fr. Guiana
Amphiscepa nodipennis (Germ.)	Issus compressus S.	♀ (3)	0	Brazil
ACHILIDAE				
Cixidia advena (Spinola)	Elidiptera advena Gene [sic]	♂ (1)	0	Sardinia
Elidiptera callosa S.	unchanged	♀ (3)	0	Brazil
Cixidia genei (Spinola)	Elidiptera genei S.	not listed		Italy
Cixidia marginicollis (Spin.)	E. marginicollis S.	♂ (1)	0	Sicily
Epilptera cincticeps (Spinola)	E. cincticeps S.	0	♀	Senegal
DELPHACIDAE				
Ditropis pteridis (Spinola)	Delphax pteridis Gene [sic]	♂ & ♀ (3)	0	Sardinia
DICTYOPHARIDAE				
Plegmatoptera prasina S.	unchanged	♀ (1)	0	Fr. Guiana
Lappida proboscidea (Spinola)	Dietyophara proboscidea S.	0	♀	Senegal, Brazil
Dietyophara cyrnea S.	unchanged	0	♂	Corsica
Dietyophara affinis S.	unchanged	♀ (1)	0	locally unknown
Philotheria senegalensis (S.)	D. senegalensis S.	♂ 1	♀	Senegal
Nersia distinguenda (Spinola)	D. distinguenda S.	♀ (2)	0	Fr. Guiana
Cladodiptera macrophthalma S.	Cladodiptera ornata S.	0	0	Brazil
Cladodiptera macrophthalma S.	unchanged	♀ (5)	0	Brazil
FLATIDAE				
Hesperophantia folium (Germ.)	Ricania poeclopteroides S.	♀ (1)	0	Brazil
Hesperophantia folium (Germ.)	Poecloptera aspericollis S.	♂ (2)	0	Brazil
Hesperophantia ricanoides (S.)	P. ricanoides S.	♀ (2)	0	Mexico, Fr. Guiana
Nephesa rosea (Spinola)	R. rosea S.	0	♂	Java
Nephesa coromandelica (Spinola)	P. coromandelica S.	♂, ♀ (2)	0	Coromandel
Dalapax postica (Spinola)	Flata postica S.	1	*	C. Good Hope
Bythopsyrna tineoides (Oliv.)	F. stollii S.	1	♀ (1)	Java
Epormenis roseida (Germar)	Poecloptera melanaria S.	not listed		Fr. Guiana
Phyllyphanta producta (Spinola)	Poecloptera producta S.	1	0	Java
Ormenis septentrionalis (Spin.)	P. septentrionalis S.	(4)	0	U. S. (error)
Monoflata brasiliensis (Spinola)	P. brasiliensis S.	♀ (2)	0	Brazil
Cryptoflata dominicensis (S.)	P. dominicensis S.	0	♀	Dominican Rep.
Cyarda acuminipennis (Spinola)	P. acuminipennis S.	0	*	Dominican Rep.
FULGORIDAE				
Fulgora servillei S.	unchanged	♀ (2)	♂	Brazil
Enechophora viridipennis S.	unchanged	♀	0	Brazil
Druentia variegata (Spinola)	Enechophora variegata S.	0	1-	Brazil
Bebbia servillei (Spinola)	E. servillei S.	0	♀	Loc. unk.
Zanna servillei (Spinola)	Pyrops servillei S.	0	♀	Java
Zanna punctata (Olivier)	P. albipennis S.	0	♂-	Guinea
Episceius guerini S.	unchanged	♀ (4)	0	Brazil
Calyptoproctus stigma (Fabr.)	Calyptoproctus lystroides S.	0	♀	Brazil
Calyptoproctus marmoratus S.	unchanged	0	♀	N. Amer.
Alphera luctuosa (Spinola)	C. luctuosus S.	0	♀	Loc. unk.
Curetia tibialis (Germar)	C. heteroscelis S.	♀ (1)	0	Brazil
Alarusa lepida (Spinola)	Polocera lepida S.	♂ (1)	0	Brazil
ISSIDAE				
Issus servillei S.	unchanged	0	*	North America
Latilica tendinosus (Spinola)	I. tendinosus Friwaldsky [sic]	(2)	0	Hungary
Thionia longipennis (Spinola)	Issus longipennis S.	0	♀	Loc. unk.
Thionia prasina (Spinola)	I. prasinus S.	not listed		Brazil
Thionia rubrocostata (Spinola)	I. rubrocostatus S.	♀ (1)	0	Brazil
Thionia herbacea (Spinola)	I. herbaceus S.	♀ (2)	0	Fr. Guiana
Hysteropterum flavescens (Oliv.)	I. dufouri S.	0	*	France
Hysteropterum flavescens (Oliv.)	I. smyrnensis S.	0	♂-	Smyrna
Cyphopterum adscendens H-S.	I. difformis S.	0	♀	Italy
LOPHOPIDAE				
Lophops servillei S.	unchanged	0	♀	C. Good Hope
NOGODINIDAE				
Nogodina reticulata Fabr.	Ricania klugii S.	(5)	0	Brazil
RICANIIDAE				
Privesa planipennis (Spinola)	R. planipennis S.	0	♂-	Africa
Tarundia servillei (Spinola)	R. servillei S.	0	♀	Mauritius
Mulvia albizona (Spinola)	R. albizona Ger. [sic]	♀ (3)	0	C. Good Hope
Pochazia sinuata Stal	R. fasciata S. [nec Fabr.]	1	♀	Java
TROPIDUCHIDAE				
Monopsis tabida S.	unchanged	0	♂	U. S.

"-" in column four means missing in Signoret collection in Vleina

TABLE I B. SPINOLA SPECIES DESCRIBED FROM CHILE IN GAY (1852)

Family and Current Name	Original Name	Type Repository	
		Spinola	Paris
ACHILIDAE			
Catonia gayi (S.)	Cixius gayi S.	(2)	0
CIXIIDAE			
Mnemosyne cixioides (S.)	Achilis cixioides S.	(1)	0
Notocixius helvius (S.)	Cixius helvius S.	(3)	0
DELPHACIDAE			
Idiosystatus acutusculus (S.)	Delphax acutusculus S.	(2)	1
DICTYOPHARIDAE			
Sicoris gayi (S.)	Dietyophora gayi S.	(4)	2
Dietyopharoides rectirostris (S.)	D. rectirostris S.	(2)	0
Chondrodera chilensis (S.)	Cixius chilensis S.		2
Myrophenges planifrons (S.)	Issus planifrons S.	(3)	1
ISSIDAE			
Nubithia gayi (S.)	Issus gayi S.	(1)	0
Sarnus declipens (S.)	I. declipens S.	(2)	0

Species attributed by Spinola to Gene and Friwaldsky and Ricania fasciata Fabricius and Ricania albizona Germar were never described elsewhere, so Metcalf cites Spinola as author. Twelve of Spinola's species are listed as synonyms in Metcalf. Spinola did not attribute Linnaeus' species to Fabricius; apparently in his time priority started at a different date.

In Table 2, I have added the current name of each species in the last column and list types and new genera in the third column. Casale's catalog lists the number of specimens of a species in Spinola's collection which helps because in his "Essai" Spinola usually gave the sex of types, not the number of specimens. Following Casale, the spelling of the labels is used in column 1.

TABLE 2. THE SPINOLA COLLECTION OF FULGOROIDEA
(Modified from Casale (1981))

Collection Box and Species	Locality	Types	No. of specimens	Current Name
Box 1				
Fulgora servillei S.	Brazil	C	2	F. servillei S.
laternaria Fabricius	Brazil		1	F. laternaria L.
castresii G-M.	Mexico		1	F. castresii G-M.
Box 2				
Phricetus diadema L.*	Fr. Guiana	NG	3	Phricetus diadema (L.)
Enechophora recurva Olivier*	Brazil	NG	2	Enechophora recurva (Oliv.)
spinosa Lefebvre	Brazil		2	Incertae sedis
tortuosa S.	Fr. Guiana		1	MS name
crassiceps S.	Fr. Guiana		1	MS name
breviceps S.	Fr. Guiana		2	MS name
Pyrops laternaria L.*	India	NG	3	Pyrops candelaria (Linne)
punctata Stoll	C. Good Hope		2	Zanna westwoodi Metcalf
rajah G-M.	Malaysia		1	Pyrops pyrorthychna (Donovan)
delesserti G-M.	India		1	P. maculata delesserti (G-M)
tenebrosa Fabricius	Senegal		3	Zanna tenebrosa (Fabr.)
Box 3				
Aphaecia farinosa Burm.*	Bengal		2	Penthicodes farinosa (Weber)
nigropunctata G-M.	Java		2	Penthicodes atomaria (Weber)
lineato-punctata S.	Java		1	MS name
thorcyi S.	Guinea		1	MS name
cancelata S.	Brazil		1	MS name
Episceius guerini S.	Brazil	C,NG	4	Episceius guerini S.
Listra auricoma Burm.	Mexico		2	Cerogenes auricoma (Burm.)
Dilobura corticina Burm.*	Brazil	NG	2	Dilobura corticina (Burm.)
dregei S.	C. Good Hope		1	MS name
Omalocephala cincta Fabr.*	Senegal	NG	3	Omalocephala cincta (Fabr.)
festiva Fabr.	E. India		1	O. festiva (Fabr.)
Listra lanata Fabr.	Brazil		4	Lystra lanata (Linne)
morio Burm.	Fr. Guiana		3	Lystra lanata (Linne)
pulverulenta Burm.	Mid-America		4	Lystra pulverulenta (Oliv.)
Pterodyctya ephemera Fabr.	Fr. Guiana		2	Pterodyctya reticularis (Oliv.)
Box 4				
Calyptoproctus elegans Oliv.*	Brazil	NG	3	Calyptoproctus elegans (Oliv.)
heteroscelis S.	Brazil	T	1	Curetia tibialis (Ger.)
ornatus S.	Fr. Guiana		1	MS name

Collection Box and Species	Locality	Types	No. of specimens	Current Name	Collection Box and Species	Locality	Types	No. of specimens	Current Name
Poicocera panthera S.	Brazil		2	MS name	himbata Fabr.	Germany		1	Conomelus aneeps (Germar)
perspicillata Fabr.*	Brazil		2	Aeraepha perspicillata (Fabr.)	pellucida 0	Provence		3	Javasella pellucida (Fabr.)
pustulosa S.	Brazil		1	MS name	notula Germar	Sweden		1	Megamelus notula (Germar)
servillei Guerin-M.	Brazil		2	Crepusia miniacea (Germar)	lincola Germar	"Genes"		3	Stanoecranus minutus (Fabr.)
lepada S.	Brazil	T	1	Alarusa lepada (S.)	variegata Germar	Saxony		1	Incertae sedis
venosa S.	Brazil		3	MS name	pteridis Gene [sic]	Sardinia	C	3	Ditrops pteridis (S.)
fuscipennis S.	Brazil		1	MS name	acutusecula S.	Chile	C	2	Idiosystatus acutuseculus (S.)
servillei 0			1		raroguttatus S.	Virginia		1	MS name
prasina S.	Chile		1	Insertae sedis	hamata Boheman	France		2	Dicranotropis hamata (Boh.)
emma White	Fr. Guiana		2	Paralystra emma White	flavescens Fabr.	France		2	Javasella pellucida (Fabr.)
Achilus flammeus Kirby	"Costa A"		3	Achilus flammeus Kirby	brevipennis Boheman	France		2	Muellerlaneilla brevipennis (Boh.)
cixioides S.	Chile	T	1	Mnemosyne cixioides (S.)	guttula Germar	France		5	Kelisia guttula (Ger.)
Plagmatoptera prasina S.	Brazil	T,NG	1	Plagmatoptera prasina S.	maesta Boh.	France		2	Incertae sedis
Dichoptera hyalinata Fabr.*	E. Indies	NG	2	Dichoptera hyalinata Fabr.	elegantula Boh.	France		2	Hyledelphax elegantula (Boh.)
Dyctiophora pannonica Germar	Hungary		3	Chanithus pannonicus (Germar)	mutabilis Boh.	France		3	Stirona bicarinata (H-S.)
pungens Germar	N. America		1	Scelopus pungens (Germar)	Aracopus crassicornis Panzer*	"Genes"		3	Delphax crassicornis (Panzer)
bilineata S.	Madagascar		1	MS name	Asiraea clavicornis Latr.	"Genes"		3	Asiraea clavicornis (Latr.)
Box 5					Mycterodus nasutus H-S.	"Genes"	NG	2	Mycterodus immaculatus (F.)
Dyctiophora reichiei S.	Brazil		1	MS name	Ommatidiotus dissimilis Fal.*	Europe	NG	3	Ommatidiotus dissimilis Fallén
distinguenda S.	Fr. Guiana	C	2	Nersia distinguenda (S.)	Issus rubro-costatus S.	Brazil	T	1	Thlonia rubrocostata (S.)
distinguenda S.	Chile		3		ineditus S.	Fr. Guiana		1	MS name
virescens S*	Brazil		1	Nersia virescens (Fabr.)??	herbaceus S.	Fr. Guiana	C	2	Thlonia herbacea (S.)
mexicana S.	Mexico		1	MS name	compressus S.	Brazil	C	3	Amphiscepa nodipennis (G.)
anatina S.	Brazil		2	MS name	carinaefrons S.	S. Colombia		2	MS name
europaea Fabr.	"Genes"		3	Dietyophara europaea Linne	planifrons S.	Chile	C	3	Myrophenges planifrons (S.)
gayi S.	Chile	C	4	Sicoris gayi (S.)	gayi S.	Chile	T	1	Nubichla gayi (S.)
affinis S.	Brazil		1	Dietyophara affinis S.	dilatatus S.	"Genes"		1	MS name
apicalis S.	Natal		2	MS name	colcoptratus Fabr.	"Genes"		2	Issus colcoptratus (Fabr.)
tricarinata S.	Natal		1	MS name	colcoptratus 0	Greece		3	
acuta S.	Brazil		1	MS name	tendinosus Frivald. sicj	Hungary	C	2	Issus tendinosus S.
rectirostris S.	Brazil	C	2	Dietyopharoides rectirostris (S.)	quadrifrons S.	Chile		2	MS name
ovaticeps S.	Antilles		2	MS name	grylloides 0	Italy		8	Hysteropterum grylloides (Fabr.)
orthognalis S.	Guyana		2	MS name	apterus Fabr.	Sardinia		2	Falcidius apterus (Fabr.)
attenuata S.	Brazil		1	MS name	adscendens H-S.	Germany		1	Cyphopterum adscendens (H-S.)
Cladodiptera ornata S.1850	Brazil	T,NG	1	Cladodiptera macrophthalma S.	decipiens S.	Chile	C	2	Sarnus decipiens (S.)
macrophthalma S.	Fr. Guiana, Braz.	C or T	5	C. macrophthalma S.	nigripennis S.	Port Natal		1	MS name
Elidiptera callosa S.	Brazil	C,NG	3	Elidiptera callosa S.	cixioides S.	Port Natal		2	MS name
advena Gene [sic]	Sardinia	T	1	Cixidia advena (S.)	capicola S.	C. Good Hope		1	MS name
marginecollis S.	Sicily	T	1	Cixidia marginecollis (S.)	longaefrons S.	Port Natal		1	MS name
Cixius prasinus S.	Amazon		1	MS name	Schaumella amazonia S.	Amazon		1	MS name
amazonius S.	Amazon		1	MS name	Calliscelis bonellii Latr.*	Sicily		2	Calliscelis bonellii Latr.
nervosus Fallen	Sweden		3	to Cicadellidae	Box 7				
major S.	Italy		1	MS name	Elasmoscellis climacoides S.	C. Good Hope	C,NG	2	Elasmoscellis climacoides S.
rectangularis S.	Chile		2	MS name	Lophops servillei S.	C. Good Hope	T,NG	1	Lophops servillei S.
helvius S.	Chile	C	3	Notocixius helvius (S.)	Ricania klugii S.	Brazil	C	5	Nogodina reticulata Fabr.
nigro-guttatus S.	Italy		2	MS name	panorpaepennis S.	Australia		4	Salona panorpaepennis G.M.
longipennis S.	Italy		1	MS name	fasciata 0	Java	C	1	Pochazia sinuata Stal
gayi S.	Chile	C	2	Catonia gayi (S.)	fasciata 0	E. Indies		1	
dregei S.	C. Good Hope		1	MS name	albizona Germar [sic]	C. Good Hope	C	3	Mulvia albizona (S.)
subfasciatus S.	Brazil		1	MS name	buquetii S.	Brazil		1	MS name
costatipennis D & D	Fr. Guiana		1	Incertae sedis	aspericollis S. [Poc.]	Brazil	C	2	Hesperophantia follum (Gmelin)
expensis S.	C. Good Hope		1	MS name	paeclopteroides S.	Brazil	T	1	Hesperophantia follum (Gmelin)
pallidus H-S.	Bavaria		3	Pentastiridius pallens (Germar)	australasiae S.	Sidney		5	MS name
pallidus 0	Sardinia		2		raroguttata S.	Amazon		1	MS name
albicinctus Germar	France		4	Tachycixius pilosus (Oliv.)	Flata limbata Fabr.	E. Indies		2	Platida limbata (Fabr.)
stigmaticus Germar	Saxony		5	Cixius stigmaticus (Germar)	postica S.	C. Good Hope	T or C	1	Dalapax postica (S.)
leporinus H-S.	Bavaria		0	Pentastiridius leporinus (L.)	laticeps S.	Pondicherry		2	MS name
contaminatus Germar	Saxony		0	Tachycixius pilosus (Oliv.)	aurora G-M.	Bengal		1	Conesta aurora (G-M.)
5-costatus Dufour	"S. Sever"		1	Reptalus 5-costatus (Dufour)	stollii S.	Bengal	C	1	Bythopsyrna thincoides (Oliv.)
fasciatus Dufour	"S. Sever"		2	Incertae sedis	delesserei S.	India		1	MS name
pinicola Dufour	"S. Sever"		6	Incertae sedis	Eurybrachys spinosa Fabr.	E. Indies		1	Eurybrachys spinosa (Fabr.)
taeniatus S.	Chile		1	MS name	tomentosa Fabr.	E. Indies		1	Eurybrachys tomentosa (Fabr.)
Box 6					barbata Fabr.	Australia		4	Platybrachys barbata (Fabr.)
Bothriocera aurita Burm.	Pennsylvania		2	Incertae sedis	semilimpida Walker	Australia		1	Platybrachys sera (Walker)
Plactroderes dufouri S.	"S. Sever"		1	MS name	10-guttata Walker	Australia		1	?apsus for P. decemmacula (Walker)?
Delphax dispar Fallen	Sweden		4	Javasella pellucida (Fabr.)					

Collection Box and Species	Locality	Types	No. of specimens	Current Name
Box 8				
<i>Paeciloptera aspericollis</i> see <i>Ricania</i> above				
<i>maculata</i> G-M.	Bengal		2	<i>Copsyrna maculata</i> G-M.
<i>phalaenoides</i> Fabr.	Brazil		2	<i>Poeciloptera phalaenoides</i> Linne
<i>phalaenoides</i> 0	Fr. Guiana		2	
<i>lineata</i> Germar	C. Good Hope		1	Incertae sedis
<i>conspurcata</i> S.	India		1	MS name
<i>conocephala</i> S.	India		1	MS name
<i>pyraloides</i> Encyl.	Fr. Guiana		2	<i>Cryptoflata pyraloides</i> (Oliv.)
<i>pulverulenta</i> G-M.	Mexico		2	<i>Hansenia pulverulenta</i> G-M.
<i>thoreyi</i> S.	Brazil		1	MS name
<i>septentrionalis</i> S.	Calif.[error]	C	2	<i>Ormenis septentrionalis</i> (S.)
<i>septentrionalis</i> S.	Penn.[error]	C	2	"
<i>candida</i> Fabr.	I. de France		2	<i>Lawana candida</i> (Fabr.)
<i>coromandelica</i> S.	Coromandel	C	2	<i>Nephesa coromandelica</i> (S.)
<i>brasiliensis</i> S.	Brazil	C	2	<i>Monoflata brasiliensis</i> (S.)
<i>colombica</i> S.	Colombia		2	MS name
<i>planifrons</i> S.	Antilles		1	MS name
<i>ricanioides</i> S.	Mex., Fr. Guiana	C	2	<i>Hesperophantia ricanioides</i> (S.)
<i>modesta</i> S.	Australia		1	MS name
<i>subquadrata</i> Frivald. [sic]	Hungary		3	<i>Phantia subquadrata</i> Herr.-Sch.
<i>Acanalonia servillei</i> S.	Fr. Guiana	T, NG	1	<i>Acanalonia servillei</i> S.
<i>servillei</i> 0	Cuba		1	
<i>minor</i> S.	Brazil		3	MS name
<i>tuberculosa</i> S.	Cape Verde		1	MS name
<i>rotundipennis</i> S.	Uruguay		1	MS name
<i>producta</i> S. [Poec.]	Brazil	T	1	<i>Phyllyphanta producta</i> (S.)
<i>caffra</i> S.	U. S. Africa		1	MS name
<i>angulosa</i> S.	Amazon		1	MS name
Box 9				
<i>Phaenax reticulata</i> Germar	Brazil		4	<i>Phenax variegata</i> Oliv.

An asterisk in column 2 after the author's name means Casale listed Spinola as author, usually because of his interpretation of "mihi". I have corrected this to the author of record in Metcalf's catalog. Also in this column many species are attributed to Fabricius which we now consider Linnean species. A "0" in the author position means it was not given in the collection, usually because it follows other specimens of the same species from a different locality.

In column 3, C stands for cotypes, T for type by monotypy, NG for new genus described by Spinola. Two of his genera, *Plectoderes* and *Monopsis*, are not included in Table 2 because he did not retain specimens in his collection.

Incertae sedis in the "current name" column means the name was not listed in Metcalf's index to species with the name and author cited by Casale. MS name refers to manuscript names given to species in the collection but never published.

No attempt was made to reconcile discrepancies between Spinola's papers and Casale's list, such as *Issus prasina* being described as "Male de mon cabinet, envoyé par M. Buquet", but not listed in the collection, or *Plectroptera prasina* being described from French Guiana while Casale lists Brazil as the locality in the collection.

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