

**SOME TYPE SPECIMENS OF PHILIPPINE DIPTERA  
DESCRIBED BY M. BEZZI IN THE MUSEO  
CIVICO DI STORIA NATURALE,  
MILANO<sup>1</sup>**

By Mercedes D. Delfinado<sup>2</sup>

*Abstract* : The Bezzi Diptera collection now in the Museo Civico di Storia Naturale, Milano, contains the original series of many of the species from the Philippines collected by C. F. Baker, and lectotypes have been selected from these.

This paper lists the type specimens of Philippine Diptera described by M. Bezzi as follows : Tipulidae : *Eriocera crassipes*, *Libnotes marginalis*, *L. opaca*, *Pselliophora suspirans* var. *hilaris*, *P. tripudians*, *Trentepohlia pictipennis*; Rhagionidae : *Chrysopilus diplostigma*, *Atherix fascipennis*; Asilidae : *Saropogon rubricosus*, *S. specularis*; Bombyliidae : *Systropus valdezi*; Conopidae : *Stylogaster bakeri*; Neriidae : *Telostylus niger*; Nothybidae : *Nothybus triguttatus*; Platystomatidae : *Euprosopia gigas*, *E. lepidophora*, *E. longicornis*, *E. millepunctata*, *E. trivittata*, *Loxoneura decora* var. *bakeri*, *Naupoda unifasciata*, *Pterogenia centralis*, *P. laticeps*, *P. luteipennis*, *P. parva*, *P. tristis*, *P. valida*, *Rivellia hendeliana*, *Scotinosoma typicum*, *Xenaspis extranea*; Pyrgotidae : *Campylocera thoracalis* var. *rufina*; Lauxaniidae : *Pachycerina apicalis*, *Steganopsis bakeri*, *Trigonometopus albiseta*, *T. bakeri*; Lonchaeidae : *Lonchaea calva*, *L. citricola*, *L. ficiperda*, *L. filifera*; Chloropidae : *Chromatopterum elegans*, *Tylopterna monstrosum*; Cryptochaetidae : *Cryptochaetum fastidiosum*. Names are arranged alphabetically within the family and are listed under the original generic combinations.

While preparing the Philippine Diptera catalog, it has been possible to check the species described by Mario Bezzi and to determine whether or not a type has been designated. In his "Studies in Philippine Diptera, I and II" the original description does not state the number of specimens in the original series and no type material was mentioned or designated. The Bezzi Diptera collection now in the Museo Civico di Storia Naturale, Milano, contains the original series of many of the species from the Philippines collected by C. F. Baker, and it is the purpose of this paper to designate lectotypes from these.

In this paper, a list is given of the type specimens of Philippine Diptera described by Bezzi in the Museo Civico di Storia Naturale, Milano. The names are arranged alphabetically within the family and are listed under the original generic combinations. I have placed lectotype labels on all specimens selected as lectotypes in this paper. In the collection, the determination (name) labels have "n." or "n. sp.", "type/n. sp." or "type/

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2. University of Hawaii, College of Tropical Agriculture, Department of Entomology, Honolulu, Hawaii.

Bezzi" in Bezzi's handwriting after each species name. The labels are either pinned on the trays next to the specimens, or only one specimen bears this label. If only a single specimen bears a determination label, I accept it as the holotype, and where more than one specimen is in the original series, I have selected a lectotype.

Nearly all the material is in good order and well preserved, although almost all the Tipulidae were burned during the war (Conci, 1963, *Atti Soc. ital. Sci. nat.* **102**: 325). The collection has remained untouched since the museum purchased the Bezzi Diptera collection in 1928, and is still kept in their original cases. The specimens are arranged alphabetically by genera in the order listed by Bezzi in his unpublished catalog.

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#### TIPULIDAE

**Eriocera crassipes** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 13 (♀♂); 1917, *Philip. J. Sci.* **12** (D): 114 (♀♂).

Both sexes were originally described from two localities in Laguna. Three specimens of this species are in the collection, 2♂♂ are labeled "Mt. Makiling, Luzon/Baker," and one is labeled "Los Banos, PI/Baker." The specimen from Los Banos is in very poor condition. Its sex cannot be determined, the abdomen and antennae are gone, one wing is glued on a piece of cardboard, and only a portion of the thorax remains on the pin. None of the specimens is marked as type but I have selected as lectotype one of the ♂♂ bearing the determination label in Bezzi's handwriting "*Eriocera crassipes* n. sp."

**Libnotes marginalis** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 16 (♂); 1917, *Philip. J. Sci.* **12** (D): 116 (♂).

A single ♂ of this species from the type locality is in the collection. It bears the label "Mt. Makiling, Luzon/Baker," and the determination label "*Libnotes marginalis* n. sp." in Bezzi's handwriting. It is in good condition except for the loss of the legs as mentioned by Bezzi. I consider this specimen the holotype.

**Libnotes opaca** Bezzi, 1916, *Bur. Sci. Pub., Manila* **10**: 16 (♂); 1917, *Philip. J. Sci.* **12** (D): 116 (♂).

A single ♂ is in the collection from the type locality. It bears the label "Mt. Makiling, Luzon/Baker," and determination label in Bezzi's handwriting, "*Libnotes opaca* n. sp." This specimen is in good condition except for the missing legs as mentioned by Bezzi. I think that this is, without any doubt, the original material, and I consider it as the holotype.

**Pselliophora suspirans** var. **hilaris** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 9 (♀♂); 1917, *Philip. J. Sci.* **12** (D): 109 (♀♂).

Both sexes were originally described from 2 localities in Laguna, and the collection contains a pair from Paete. The ♀ has the abdomen partially destroyed and glued on a

cardboard; the ♂ has all legs gone and 1 antenna glued on a cardboard. I think without any doubt that these are the specimens studied by Bezzi. No other topotypic material could be found in the collection. I have designated the ♂ as lectotype bearing the labels "*suspirans* var. *hilaris* n./Paete, PI/Baker."

***Pselliophora tripudians*** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 10 (♀); 1917, *Philip. J. Sci.* **12** (D): 111 (♀).

This species was presumably described from a single specimen. A ♀ is in the collection which I believe is the original specimen. It is in poor condition—the abdomen, front and hind legs are gone and 1 wing is glued on a piece of cardboard. I consider this as the holotype; it bears the following labels "Mt. Makiling, Luzon/Baker/*Pselliophora tripudians* n." The last label is in Bezzi's handwriting.

***Trentepholia pictipennis*** Bezzi, 1916, *Bur. Sci. Publ. Manila* **10**: 14 (♂); 1917, *Philip. J. Sci.* **12** (D): 115 (♂).

This species was presumably described from a single specimen. The collection contains a ♂ labeled "Mt. Makiling, Luzon/Baker," and bears the determination label in Bezzi's handwriting "*Trentepholia pictipennis* n." This specimen is in fairly good condition except for the loss of 1 antenna, fore and mid legs. I believe this is the original specimen, and I consider it as the holotype.

#### RHAGIONIDAE

***Chrysopilus diplostigma*** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 20 (♂); 1917, *Philip. J. Sci.* **12** (D): 120 (♂).

This species was presumably described from a single specimen. The single ♂ in the collection bears the labels "1327/Los Banos, PI/Baker," and an additional label in Bezzi's handwriting, "*Chrysopilus diplostigma* n. sp." It is not marked as type but no material in the collection has been found that could be considered as type, and I think that this is, with little doubt, the original specimen, and I consider it as the holotype.

***Atherix fascipennis*** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 17 (♀♂); 1917, *Philip. J. Sci.* **12** (D): 117 (♀♂).

Both sexes of this species were described from an unstated number of specimens collected at Los Banos and Mt. Makiling, Laguna, and Malinao, Tayabas. In the collection there are 3 specimens, 1♀ bearing the label "Malinao, Tayabas, Luzon/Baker"; 1♀ and 1♂ each labeled "Mt. Makiling, Luzon/Baker," and Bezzi's determination label pinned on the tray next to the specimens. These are presumably of the original series but no material in the collection is marked as type. Until the specimens from Los Banos can be found, I do not feel justified in selecting a lectotype from these specimens.

#### ASILIDAE

***Saropogon rubricosus*** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 21 (♀); 1917, *Philip. J. Sci.* **12** (D): 121 (♀).

A single ♀ in the collection bears the labels "3889/Mt. Banahao, PI/Baker," and in Bezzi's handwriting "*Saropogon rubricosus* type/Bezzi." I consider this specimen to be the holotype.

**Saropogon specularis** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 22 (♂); 1917, *Philip. J. Sci.* **12** (D): 122 (♂).

This was described from an unstated number of specimens from Laguna, Mt. Banahao, and Mindanao, Butuan. The collection contains a ♂ bearing the label "Butuan, Mindanao/Baker," and a determination label in Bezzi's handwriting, "*Saropogon specularis* type/Bezzi." I consider this as the holotype.

#### BOMBYLIIDAE

**Systropus valdezi** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 26 (♀); 1917, *Philip. J. Sci.* **12** (D): 126 (♀).

This was based on a single specimen from Baguio, Benguet, and a ♀ in the collection bears the labels "Baguio, Benguet/Baker," and a determination label in Bezzi's handwriting, "*Systropus valdezi* type/Bezzi." I consider this to be the holotype.

#### CONOPIDAE

**Stylogaster bakeri** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 57 (♀♂); 1917, *Philip. J. Sci.* **12** (D): 157 (♀♂).

This species was described from an unstated number of both sexes, and there are 3 specimens in the collection from the type locality, and a determination label "*Stylogaster bakeri* type/n. sp." in Bezzi's handwriting. These are with little doubt the original material. Two of the specimens are in poor condition but 1♂ is in good condition except for the loss of 1 wing; it bears the label "Mt. Makiling, Luzon/Baker." I have designated this specimen as the lectotype.

#### NERIIDAE

**Telostylus niger** Bezzi, 1913, *Philip. J. Sci.* **8** (D): 329 (♀).

Only the ♀ was originally described from an unstated number of specimens, and the collection contains 5 specimens from 2 localities in Laguna. No material in the collection is marked as type but 1♀ bears the label "Mt. Makiling, PI/Baker," and a determination label and number "5264/*Tylostylus* /sic/ *niger* n." I have selected this ♀ as lectotype.

#### NOTHYBIDAE

**Nothybus triguttatus** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 55 (♂); 1917, *Philip. J. Sci.* **12** (D): 155 (♂).

The original description does not state the number of specimens but states the type locality. There are 10♂♂ in the collection from 2 localities, with the determination label "*Nothybus triguttatus* n. sp." These are presumably the original series but none is marked

as type. Only 1♂ agrees in locality and collector data with the original; it bears the labels "3882/Butuan, Mindanao/Baker." I selected this as lectotype.

#### PLATYSTOMATIDAE

**Euprosopia gigas** Bezzi, 1916, *Bur. Sci. Publ., Manila* 10: 51 (♀); 1917, *Philip. J. Sci.* 12 (D): 151 (♀).

A single ♀ of this species from the type locality is in the collection. This is presumably the original material and bears the label "Mt. Makiling, Luzon/Baker," and a determination label "*Euprosopia gigas* n." I consider this specimen as the holotype.

**Euprosopia lepidophora** Bezzi, 1916, *Bur. Sci. Publ., Manila* 10: 53 (♂); 1917, *Philip. J. Sci.* 12 (D): 153 (♂).

A single ♂ of this species from the type locality is in the collection. I consider it as the holotype. It bears the label "Malinao, Tayabas/Baker" and a determination label in Bezzi's handwriting "*Euprosopia lepidophora* n."

**Euprosopia longicornis** Bezzi, 1916, *Bur. Sci. Publ., Manila* 10: 54 (♀♂); 1917, *Philip. J. Sci.* 12 (D): 154 (♀♂).

This species was described from an unstated number of both sexes collected on "Luzon, Tayabas, Mount Banahao." The collection contains 2 specimens from the type locality. One has been badly damaged with only the wings remaining on the pin, it bears the label "Mt. Banahao, PI/Baker," and a determination label "*Euprosopia longicornis* n." The other is a ♀ labeled "Bho" presumably for Banahao. These are probably of the original series, but I feel that no lectotype can be selected.

**Euprosopia millepunctata** Bezzi, 1916, *Bur. Sci. Publ., Manila* 10: 52 (♂); 1917, *Philip. J. Sci.* 12 (D): 152 (♂).

This species was presumably described from a single specimen. A ♂ from the type locality is in the collection and has the following labels "Malinao, Tayabas/Baker/" "*Euprosopia millepunctata* n." I consider this the holotype.

**Euprosopia trivittata** Bezzi, 1916, *Bur. Sci. Publ., Manila* 10: 49 (♀♂); 1917, *Philip. J. Sci.* 12 (D): 150 (♀♂).

Both sexes were originally described. Five specimens are in the collection each bearing a label "Mt. Banahao, PI/Baker." None is marked as type but a ♂ bears a determination label and number "2712/*Euprosopia trivittata* n." I have designated this ♂ as the lectotype.

**Loxoneura decora** var. **bakeri** Bezzi, 1916, *Bur. Sci. Publ., Manila* 10: 38 (♂); 1917, *Philip. J. Sci.* 12 (D): 138 (♂).

The number of specimens was not stated in the original description. The collection contains a single male labeled "3925/Puerto Princesa, Palawan/Baker," and an additional label in Bezzi's handwriting "*Loxoneura bakeri* n. sp." It is not marked as type but is obviously the specimen studied by Bezzi and I have accepted it as holotype.

**Naupoda unifasciata** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 39 (♂); 1917, *Philip. J. Sci.* **12** (D): 140 (♂).

This species was presumably described from a single specimen. The collection contains a single male labeled "Mt. Makiling Luzon/Baker"; it also bears Bezzi's determination label "*Naupoda unifasciata* type/n." I consider this specimen to be the holotype.

**Pterogenia centralis** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 48 (♀); 1917, *Philip. J. Sci.* **12** (D): 148 (♀).

This species was presumably described from a single ♀. A single specimen in the collection that agrees in locality and collector with the original data, and bears the labels "3904/Butuan, Mindanao/Baker," also a determination label "*Pterogenia centralis* n." It is not marked as type but there is no other topotypic material in the collection, and so I think that this is, with little doubt, the original material, and I consider it the holotype.

**Pterogenia laticeps** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 45 (♀); 1917, *Philip. J. Sci.* **12** (D): 145 (♀).

This species was presumably described from a single ♀ but it is not so stated in the original description. The collection contains 1 ♀ labeled "Los Banos, PI/Baker/*Pterogenia laticeps* n." There is no other topotypic material in the collection, and I think that this is, with no doubt, the original material, and I consider this as the holotype.

**Pterogenia luteipennis** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 46 (♀♂); 1917, *Philip. J. Sci.* **12** (D): 147 (♀♂).

Both sexes were described from 2 localities in Laguna. There are 4 topotypic specimens in the collection and I have selected a ♀ as lectotype bearing the labels "3907/Mt. Banahao, PI/Baker," and a determination label in Bezzi's handwriting "*Pterogenia luteipennis* n."

**Pterogenia parva** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 44 (♀); 1917, *Philip. J. Sci.* **12** (D): 144 (♀).

It is not stated in the original description that this species was based on more than 1 specimen, and the collection contains 2♀♀ each labeled "Butuan, Mindanao/Baker." One of the♀♀ bears an additional label "*Pterogenia parva* n." in Bezzi's handwriting. I have designated it as the lectotype.

**Pterogenia tristis** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 43 (♀♂); 1917, *Philip. J. Sci.* **12** (D): 143 (♀♂).

Both sexes of this species were originally described from "Luzon, Laguna, Mount Maquiling." The collection contains 2 topotypic specimens presumably of the original series. I have selected as lectotype, a ♀ bearing the labels "Mt. Makiling, Luzon/Baker/*Pterogenia tristis* n." The last label is in Bezzi's handwriting.

**Pterogenia valida** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 41 (♀); 1917, *Philip. J. Sci.* **12** (D): 142 (♀).

The ♀ of this species was originally described from 2 localities, and there are 2 topo-

typic specimens in the collection. I have designated as lectotype 1 ♀ bearing the label "Los Banos, PI/Baker," and an additional label in Bezzi's handwriting "*Pterogenia valida* n."

**Rivellia hendeliana** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 37 (♀ ♂); 1917, *Philip. J. Sci.* **12** (D): 138 (♀ ♂).

Both sexes were described, and there are 3 specimens in the collection each bearing a label "Los Banos, PI/Baker." None is marked as type but there is a ♂ labeled "*Rivellia hendeliana* n. sp." in Bezzi's handwriting. This is presumably the original material, it agrees well with the original description. I have designated this ♂ as the lectotype.

**Scotinosoma typicum** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 36 (♀); 1917, *Philip. J. Sci.* **12** (D): 136 (♀).

There are 2 ♀♀ in the collection each bearing a label "Dapitan, Mindanao/Baker." None of the material is marked as type but I think that they are, with little doubt, the original material, and I have designated as lectotype 1 ♀ with the additional label in Bezzi's handwriting "*Scotinosoma typicum* n. sp."

**Xenaspis extranea** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 33 (♀); 1917, *Philip. J. Sci.* **12** (D): 134 (♀).

The ♀ of this species was described from an unstated number of specimens collected on "Luzon, Laguna, Mount Maquiling." The collection contains 4 ♀♀ from the type locality and one of them bears an additional label "*Xenaspis extranea* n." in Bezzi's handwriting. No material in the collection is marked as type, and I have designated the latter specimen as lectotype.

#### PYRGOTIDAE

**Campylocera thoracalis** var. **rufina** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 31 (♀); 1917, *Philip. J. Sci.* **12** (D): 131 (♀).

Two ♀ specimens are in the collection. These are presumably the ones studied by Bezzi but none is marked as type. One of the ♀♀ bears the labels "5253/Mt. Makiling, Luzon/Baker," and determination label in Bezzi's handwriting "*Campylocera thoracalis* Hend. var. *rufina* n." I have designated this specimen as the lectotype.

#### LAUXANIIDAE

**Pachycerina apicalis** Bezzi, 1913, *Philip. J. Sci.* **8** (D): 316 (♂).

The collection contains 4 ♀♀ of this species, and only one male agrees in locality and collector with the original data. No material in the collection is marked as type. I have designated as lectotype a topotypic ♂ bearing the labels "Los Banos, PI/Baker/*Pachycerina apicalis* n. sp." The last label is in Bezzi's handwriting.

**Steganopsis bakeri** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 315 (♂).

The ♂ of this species was described from an unstated number of specimens. The collection contains 2♂♂ each with a label "Mt. Makiling, Luzon/Baker," and one of them bears an additional label "*Steganopsis bakeri* n." in Bezzi's handwriting. This specimen has been designated as the lectotype.

**Trigonometopus albiseta** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 317 (♀♂).

Both sexes of this species were described, and the collection contains 2♀♀ and 4♂♂. One ♂ bears the label "Mt. Makiling, Luzon/Baker," and another label in Bezzi's handwriting "*Trigonometopus albiseta* type/Bezzi." I consider this ♂ as the holotype.

**Trigonometopus bakeri** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 318 (A).

The original description of this species does not state its sex, and the collection contains 1♂ and 5♀♀. One of the♀♀ bears the labels "2213/Mt. Makiling, Luzon/Baker," and determination label "*Trigonometopus bakeri* type/Bezzi." I consider this ♀ as the holotype.

## LONCHAEIDAE

**Lonchaea calva** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 320 (♀).

This species was presumably described from a single specimen. A single ♀ in the collection bears the label "Mt. Makiling, Luzon/Baker," and Bezzi's determination label "*Lonchaea calva* type/Bezzi." I consider this specimen as the holotype.

**Lonchaea citricola** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 319 (♂).

Two ♂♂ of this species are in the collection, and one of them bears the labels "998/Los Banos, PI/Baker," and Bezzi's determination label "*Lonchaea citricola* type/Bezzi." I consider this specimen as the holotype.

**Lonchaea ficiperda** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 320 (♀♂).

Both sexes of this species were originally described, and the collection contains 1♂ and 2♀♀. Only 1 specimen, the ♀, bears Bezzi's determination label. I consider this ♀ as the holotype, bearing the labels "Los Banos, PI/Baker/*Lonchaea ficiperda* type/Bezzi."

**Lonchaea filifera** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 320 (♀♂).

Both sexes of this species were originally described, and a pair is in the collection each labeled "Los Banos, PI/Baker." The ♀ is moldy and in poor condition but the ♂ is in excellent condition and bears the determination label and number "715/*Lonchaea filifera* type/Bezzi." I consider this male as the holotype.

## CHLOROPIDAE

**Chromatopterus elegans** Bezzi, 1913, *Philip. J. Sci.* **8** (D) : 330 (♀).

A ♀ in the collection bears the label "Los Banos, PI/Baker," and determination label in Bezzi's handwriting "*Chromatopterus elegans* n. sp." No material in the collection is



marked as type, and I think that this is, with little doubt, the original material, and I consider this specimen as the holotype.

**Tylopterna monstrosum** Bezzi, 1916, *Bur. Sci. Publ., Manila* **10**: 32 (♂); 1917, *Philip. J. Sci.* **12** (D): 133 (♂).

This species was described from a single specimen. A ♂ is in the collection bearing the labels "Mt. Makiling, Luzon/Baker/*Tylopterna monstrosum* n." The determination label is in Bezzi's handwriting but the word "type" is not written on the label. No other material has been found that could be considered as the type, and I think that this is, without doubt, the original material. I have accepted this specimen as the holotype. This species was described by Bezzi as an aberrant ortalid.

#### CRYPTOCHAETIDAE

**Cryptochaetum fastidiosum** Bezzi, 1919, *Atti. Soc. ital. Sci. nat.* **58**: 241 (♀).

Five ♀♀ of this species are in the collection, and I have selected as lectotype a ♀ labeled "Panay, Culasi/May '18/McGregor/in forest 500-1000 m./a pest, flies into the inner corner of a person's eye," and an additional label in Bezzi's handwriting "*Cryptochaetum fastidiosum* n. sp./type."