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PACIFIC BASIN DIPTERA NEWS



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Summer 1990

Bock Drosophilidae go to Australian Museum

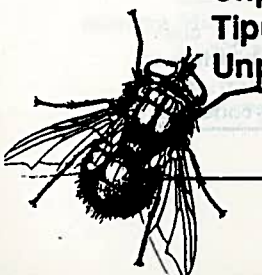
Shane McEvey and Dan Bickel travelled down to Melbourne recently to pack up the magnificent Drosophilidae collection belonging to Dr. Ian Bock and transfer it to the Department of Entomology at the Australian Museum in Sydney. This collection houses one of the largest collections of Drosophilidae in Australia and will undoubtedly enhance the already important holdings of Diptera in the Australian Museum.

Editor's Nook

Reader's will notice that this issue is a bit larger than previous ones. That is because there is a rather large backlog of material that must be dealt with. I still was not able to fit it all in this issue, but look for your favorite family and other tidbits of interest in future issues of PBDN.

Contents

New Articles	2
Additions to Catalog Chapters	
Calliphoridae	2
Empididae	2
Thaumaleidae	3
Micropezidae	3
Keroplatidae	3
Sarcophagidae	4
Phoridae	5
Tabanidae	5
Drosophilidae	5
Unplaced Taxa of Sciaroidea ..	6
Tipulidae	6
Unplaced Taxa of Calyptratae .	6



Bishop Museum Gets Fly Curation Funding

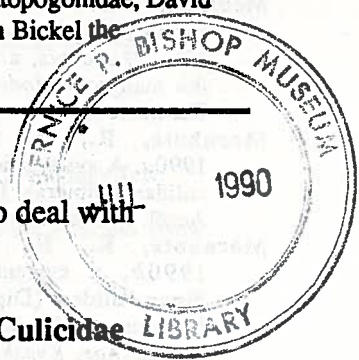
The Bishop Museum has recently received grant funding for curation of its insect collection. The Diptera will be one of three major parts of the collection that will be focussed on for curation of various families and general upgrading of the collection to loanable taxonomic units.

With about 2 million fly specimens, the Diptera collection is one of the largest in the world and desperately needs specialists in various groups to help identify to generic level much unsorted material. The funding, which was received from the National Science Foundation, will allow technical help to sort to family much unsorted material, upgrade pinned specimens from hard to soft-bottomed unit trays, and will help fund visiting specialists from around the world to work on identifying specimens in their speciality to at least genus level or other loanable taxonomic unit. Art Borkent will be working on the Ceratopogonidae, David Grimaldi the Drosophilidae, and Dan Bickel the Dolichopodidae.

In the Next Issues:

Still many more families to deal with including:

- | | |
|----------------|----------------|
| Dolichopodidae | Culicidae |
| Bombyliidae | Tachinidae |
| Mycetophilidae | Muscidae |
| Pipunculidae | Scatopsidae |
| Psychodidae | and others ... |



New Articles (add to bibliography):

- Chalney, J.E. 1987. Afrotropical Tabanidae (Diptera): the genus *Rhigioglossa* Wiedemann, 1828 (including *Mesomyia* Macquart, 1850, as a sub-genus). *Ann. Natal Mus.* 28: 137-59. (30 April)
- Chalney, J.E. [1989]. A review of the genus *Lilaea* Walker (Diptera: Tabanidae). *Invert. Taxon.* 2: 749-53. (15 May)
- Disney, R.H.L. 1989a. Re-appraisal of the Australian genus *Eutermiphora* Lea (Diptera: Phoridae). *Entomol. Scand.* 19: 435-36. (4 May)
- Disney, R.H.L. 1989b. A key to Australasian and Oriental *Woodiphora* (Diptera: Phoridae), affinities of the genus and description of new species. *J. Nat. Hist.* 23: 1137-75. (31 December+)
- Freeman, P. 1989. Some non-British species of *Anapausis* (Dipt., Scatopsidae). *Entomol. Mon. Mag.* 125: 37-43. (31 March)
- Grimaldi, D.A. 1990. Revision of *Zygothrica* (Diptera: Drosophilidae), part II. The first African species, two new Indo-Pacific groups, and the *bi-lineata* and *samoensis* species groups. *Am. Mus. Novitates* 2964, 31 p. (27 February)
- Kanmiya, K. 1990. Discovery of the genus *Gampsocera* Schiner from Hawaii, with a description of a new species (Diptera: Chloropidae). *Proc. Hawaii. Entomol. Soc.* 29: 149-53. (1 February)
- Kurahashi, H. 1989. The genus *Phumosia* of Sulawesi, Indonesia, with descriptions of two new species (Diptera: Calliphoridae). *Jpn. J. Sanit. Zool.* 40: 203-10. (15 September)
- Matile, L. 1975. Un nouveau Sphaeroceridae aptère de l'Archipel Crozet (Dipt.). *Bull. Soc. Entomol. Fr.* 80: 173-76. (30 December)
- McAlpine, D.K. 1989. A synopsis of the Australian Piophilidae (Diptera: Schizophora). *Gen. Appl. Entomol.* 21: 17-24. (31 August)
- McAlpine, D.K. 1990. A new apterous micropezid fly (Diptera: Schizophora) from Western Australia. *Syst. Entomol.* 15: 81-86. (15 February)
- Meuffels, H.J.G. & P. Grootaert. 1988. Dolichopodidae (Diptera) from Papua New Guinea VIII. *Phacaspis*, a new genus incertae sedis from the mangrove. *Indo-Malay. Zool.* 5: 311-19. (31 December+)
- Morakote, R., H. Yoshihiro & K. Yano. 1990a. A systematic study of the Japanese Pipunculidae (Diptera). Part V. The genus *Eudorylas* Aczél. *J. Fac. Agr. Kyushu Univ.* 34: 281-355.
- Morakote, R., H. Yoshihiro & K. Yano. 1990b. A systematic study of the Japanese Pipunculidae (Diptera). Part VI. The genera *Dorylomorpha* Aczél and *Tomosvaryella* Aczél. *J. Fac. Agr. Kyushu Univ.* 34: 281-355.
- O'Hara, J.E. 1989. Systematics of the genus group taxa of the Siphonini (Diptera: Tachinidae). *Quaest. Entomol.* 25: 1-229. (May)
- Okada, T. 1989. A revision of the *Leucophenga mutabilis* species-group (Diptera, Drosophilidae) of the Oriental and adjacent regions. *Jpn. J. Entomol.* 57: 803-13. (25 December)
- Okada, T. 1990. New taxonomic changes in the family Drosophilidae (Diptera). *Jpn. J. Entomol.* 58: 154. (25 March)

- Pape, T. 1990. Sarcophagidae (Diptera) from Makatea Island and Kwajalein Atoll, South Pacific. *Jpn. J. Entomol.* 58: 109-14. (25 March)
- Plant, A.R. 1989. A revision of the Ocydromiinae (Diptera: Empidoidea: Hybotidae) of New Zealand with descriptions of new genera and species. *N.Z. J. Zool.* 16: 231-41. (21 July)
- Shinonaga, S. 1989. A new *Muscina*-species from Bougainville Island, Papua New Guinea (Diptera, Muscidae). *Jpn. J. Sanit. Zool.* 40: 285-87. (15 December)
- Yeates, D.K. 1990. Revision of the Australian bee fly genus *Doddosia* Edwards (Diptera: Bombyliidae). *J. Nat. Hist.* 24: 69-80. (February)

ADDITIONS TO CATALOG CHAPTERS

(numbers flush right in heading are updated totals of species and genera, respectively, for the A/O Regions)

Calliphoridae 320(40)

p. 710 add between lines 17 and 18 up:

bazini Séguy, 1934: 15. China; Northern Marianas; Japan, Korea, USSR.

add "Northern Marianas" to distribution of the following:

Lucilla:
cuprina Wiedemann

Chrysomya:
nigripes Aubertin
ruffifacies Macquart

p. 718
under Unplaced species of Calliphoridae add:
bimaculata Swederus, 1787: 290 (*Musca*). "nova
Hollandia."

add to bibliography:

Séguy, E. 1934. Diptères de Chine de la collection de M. J. Hervé-Bazin. *Encycl. Entomol.* B (II) 7: 1-28. (27 September)

Empididae* 226(50)

A recent article by Adrian Plant (see New Articles) revises the Ocydromiinae and proposes two new genera and four new species.

p. 388 add:

Genus ABOCCIPUTA Plant
ABOCCIPUTA Plant, 1989: 239. Type species:
Abocziputa pilosa Plant, 1989, orig. des.
pilosa Plant, 1989: 241. NZ (NZ).

*The Catalog follows Smith's previous family classification (i.e., keeping Empididae s. lat.); whereas Plant's article follows Chvála's classification in treating this subfamily within the family Hybotidae.

Genus **AUSTROPEZA** Plant
AUSTROPEZA Plant, 1989: 238. Type species:
Leptopeza insolita Collin, 1928, orig. des.
move *insolita* Collin from *Leptopeza* to *Austropeza*.

p. 389 under **Oropezella** add following:
diminulorum Plant, 1989: 237. NZ (NZ).
loripes Plant, 1989: 235. NZ (NZ).
tanycera Collin: add "Chatham Is" to distribution.
tricuspicata Plant, 1989: 232. NZ (NZ).

Thaumaleidae 32 (3)

A recent paper by Ian McLellan (see Issue One for full citation—actual publication date for this article is 21 November) necessitates the following additions to the Thaumaleidae chapter.

p. 219 add the following to **Austrothaumalea**:

crosbyi McLellan, 1988: 566. NZ (NZ).
gibbsi McLellan, 1988: 571. NZ (NZ).
macfarlanei McLellan, 1988: 566. NZ (NZ).
maxwelli McLellan, 1988: 571. NZ (NZ).
ngaire McLellan, 1988: 567. NZ (NZ).
pala McLellan, 1988: 567. NZ (NZ).
walkerae McLellan, 1988: 567. NZ (NZ).
zwicki McLellan, 1988: 569. NZ (NZ).

p. 220 add the following:

Genus **OTERERE** McLellan
OTERERE McLellan, 1988: 573. Type species:
Oterere oliveri McLellan, 1988, orig. des.
oliveri McLellan, 1988: 573. NZ (NZ).

Micropezidae 62 (12)

A new genus and species of apterous micropezid is described by David McAlpine (see New Articles for full citation).

p. 464 add between lines 14 and 15 up:

Genus **BADISIS** McAlpine
BADISIS McAlpine, 1990: 81. Type species: *Badisis ambulans* McAlpine, 1990, orig. des.
ambulans McAlpine, 1990: 82. Australia (WA).

Keroplastidae 134(33)

A recent article by Matile (see Issue One for full citation) and correspondence from Peter Chandler necessitate the following additions and changes.

p. 129 line 13 up:
antennalis should read *antennatis*.

p. 129 add under **Macrocera**:

kraussi Matile, 1988c: 97. New Caledonia (New Caledonia).
minima Matile, 1988c: 94. New Caledonia (New Caledonia).

renalifera Matile, 1988c: 97. New Caledonia (New Caledonia).
straatmani Matile, 1988c: 96. New Caledonia (New Caledonia).
unicincta Matile, 1988c: 94. New Caledonia (New Caledonia).

p. 130 add under **Heteropterna**:

chazeau Matile, 1988c: 131. New Caledonia (New Caledonia).

p. 131 add:

Genus **DIMORPHELIA** Matile
DIMORPHELIA Matile, 1988c: 99. Type species:
Dimorphelia stirpicola Matile, 1988, orig. des.
stirpicola Matile, 1988c: 101. New Caledonia (New Caledonia).
tergata Matile, 1988c: 9103. New Caledonia (New Caledonia).

Genus **LUTARPYELLA** Matile
LUTARPYELLA Matile, 1988c: 103. Type species:
Lutarpylella tibialis Matile, 1988, orig. des.
tibialis Matile, 1988c: 106. New Caledonia (New Caledonia).

add under **Neoplatyura**:

annieae Matile, 1988c: 116. New Caledonia (New Caledonia).
aperta Matile, 1988c: 111. New Caledonia (New Caledonia).
boucheti Matile, 1988c: 107. New Caledonia (New Caledonia).
brevitergata Matile, 1988c: 113. New Caledonia (New Caledonia).
bruni Matile, 1988c: 113. New Caledonia (New Caledonia).
costalis Matile, 1988c: 114. New Caledonia (New Caledonia).
lyraefera Matile, 1988c: 109. New Caledonia (New Caledonia).
tillleri Matile, 1988c: 111. New Caledonia (New Caledonia).

p. 132 add under **Proceroplatus**:

priapus Matile, 1988c: 117. New Caledonia (New Caledonia).
scalprifera Matile, 1988c: 118. New Caledonia (New Caledonia).

p. 132 add under **Pseudoplatyura**:

crassitibialis Matile, 1988c: 119. New Caledonia (New Caledonia).
neocaledonica Matile, 1988c: 119. New Caledonia (New Caledonia).

p. 132 delete line 5 up; replace with the following species:

dubia Matile, 1988c: 121. New Caledonia (New Caledonia).

tenuis Matile, 1988c: 121. New Caledonia (New Caledonia).

p. 132 add:

Genus RHYNCHORFELIA Matile

RHYNCHORFELIA Matile, 1988c: 122. Type species: *Rhynchorfelia rufa* Matile, 1988, orig. des.

rufa Matile, 1988c: 126. New Caledonia (New Caledonia).

p. 132 add under Rutylapa:

boudlnoti Matile, 1988c: 127. New Caledonia (New Caledonia).

discifera Matile, 1988c: 130. New Caledonia (New Caledonia).

flavocinera Matile, 1988c: 127. New Caledonia (New Caledonia).

lucidistyla Matile, 1988c: 128. New Caledonia (New Caledonia).

lydlae Matile, 1988c: 128. New Caledonia (New Caledonia).

Sarcophagidae 163(51)

The following new entries in the genus *Sarcophaga* are from Sugiyama *et al.*, 1988, *Jpn. J. Sanit. Zool.* 39: 283-92 (see Issue One for full citation) and Pape (1990; see New Articles in this issue for full citation). NOTE: The generic concepts of these authors differ considerably from that proposed by Lopes in the Catalog. A generic entry for *Sarcophaga* is listed here because this genus is not in the Catalog and allows for citation of the new names proposed by Sugiyama *et al.* If the generic concept of Sugiyama *et al.* and Pape is to be followed (which seems pragmatic) then a number of genera and subgenera listed in the Catalog will have to be sunk as junior synonyms under *Sarcophaga*. Pape correspondingly sinks *Curraea* under *Sarcophaga* for this reason.

Additional corrections were kindly pointed out by Dr. T. Pape.

Genus SARCOPHAGA Meigen

SARCOPHAGA Meigen, 1826: 14. Type species: *Musca carnaria* Linnaeus, 1758, des. Westwood, 1840: 140.

CURRANEA Rohdendorf, 1937: 255 (*Parasarcophaga* subg.). Type species: *Sarcophaga beckeri* Villeneuve, 1908 [= *Sarcophaga tibialis* Macquart, 1851], orig. des.

allisoni Sugiyama, Shinonaga & Kano, 1988: 285. PNG (PNG).

gorokaensis Sugiyama, Shinonaga & Kano, 1988: 288 (n.n. for *gressitti* Kano & Lopes). PNG (PNG).

gressitti Kano & Lopes, 1981: 297 (*Johnstonimyia*). PNG (PNG). [Preocc. Hall & Bohart, 1948.]

tibialis Macquart, 1851: 205(232). "Afrique"; French Polynesia (Society Is, Tuamotu Arch); widesp. Afrotrop. Reg., s. Europe, Canary Is, Madagascar.

raiateai Salem, 1946: 206. French Polynesia (Society Is).

p. 722 line 13 down

CYLIDROTHECUM should read CYLINDROTHECUM

p. 723 lines 8 and 9 down

AUSTRALOANICA should read AUSTRALOANICIA

p. 723 line 19 up

(*Chaetoanicia*) should read (*Chaetanicia*)

p. 724 add after line 3 down:

canuta Wulp, 1896a: 289 (*Sarcophaga*). Mexico; Marshall Is [introduced; ?established]; USA (Texas), S to Paraguay.

p. 725 between lines 5 and 6 add:

Tribe NOTOCHAETINI

Genus NOTOCHAETA Aldrich*

NOTOCHAETA Aldrich, 1916: 52. Type species: *Notochaeta subpolita* Aldrich, 1916 [= *Sarcophaga fuscianalis* Wulp, 1895], orig. des.

vittata Lopes, 1968: 345. Colombia; Marshall Is [introduced; ?established]; Bolivia, Brazil, Ecuador, Panama, Peru.

p. 725 between lines 6 and 7 down add:

Genus ARGORAVINIA Townsend*

ARGORAVINIA Townsend, 1917c: 190. Type species: *Sarcophaga argentea* Townsend, 1912 [= *Sarcophaga rufiventris* Wiedemann, 1830], orig. des.

rufiventris Wiedemann, 1830: 362 (*Sarcophaga*). Brazil; Marshall Is [introduced; ?established]; USA, S to Argentina.

splnosa Hall, 1933: 260 (*Pachygraphomyia*). Panama; Marshall Is [introduced; ?established]; Neotrop. Reg.

p. 727 line 16 down

bezzii should read *bezzii*

p. 728 line 6 down

Palaearctic should read E. Palaearctic

p. 728 line 16 up

ochridea should read *orchidea*

add: *ochridea*, error for *orchidea* to synonym list

p. 729 line 7 down

Townsend, 1932 should read Townsend, 1933

p. 730 between lines 6 and 7 down add:

villistrena. Incorr. orig. spell. of *villisterna* (Salem, 1946: 205)

p. 730 line 24 up

bezzii should read *bezzii*

add at end of line:

[Preocc. Corti, 1897.] [n.n. not proposed at this time.]

add to bibliography:

Lopes, H. de Souza. 1968. Notes on the types of some Neotropical sarcophagid flies described by Enderlein (Diptera, Sarcophagidae). *Rev. Bras. Entomol.* 28: 337-49. (September)

* tribal placement for these Neotropical genera follows the Neotropical Catalog by Lopes (1968)

Phoridae

217(40)

Disney (see New Articles) recently revised the Oriental and Australasian species of *Woodiphora*. Additions and changes are as follows (N.B.: No mention is made of the subgenus *Triemisticha* Schmitz, so without asking the author, it is impossible to know if it should be synonymized under *Woodiphora* or left as a subgenus):

p. 426 delete lines 2 and 3 up
p. 426 line 1 up move distans to under *Woodiphora*, p. 431

p. 430 under *Woodiphora* add:
afurca Disney, 1989b: 1150. PNG (PNG).
andersoni Disney, 1989b: 1158. PNG (PNG).
fijlensis Disney, 1989b: 1161. Fiji.
grootaerti Disney, 1989b: 1161. PNG (PNG).
howesae Disney, 1989b: 1163. Australia (Qld).
multinevra Disney, 1989b: 1166. Australia (Qld).
papuana Disney, 1989b: 1168. PNG (PNG).
parvula Schmitz, 1927b: 95. Indonesia (Java); PNG (PNG); Indonesia (Sulwaesi), Malaysia, Seychelles.
rogutensis Disney, 1989b: 1170. PNG (PNG).
trigona Disney, 1989b: 1172. PNG (PNG).

add to distributions:
salomonis: Fiji.

p. 430 add between lines 15 and 16 up:
grandicoxa Colyer, 1967: 445. Solomon Is.

add to bibliography:
Colyer, C.N. 1967. A new species of *Puliciphora* from the Solomon Islands (Diptera, Phoridae). *Stud. Entomol. (N.S.)* 10: 445-48. (15 December)

Tabanidae

434 (22)

Two papers by John Chainey (see New Articles) necessitate the following changes to the genera and subgenera allied to *Mesomyia* Macquart.

p. 277 lines 6 and 7 up should read

Genus **RHIGIOGLOSSA** Wiedemann
RHIGIOGLOSSA Wiedemann, 1828: 105. Type species: *Rhinomyza edentula* Wiedemann, 1828 (as *edentula* with "*Rhigioglossa testacea*" in synonymy), mon. [Generic name originally published in synonymy but available under I.C.Z.N. Code Art. 11(d).]

move to p. 278 just above heading "Subgenus **MESOMYIA** Macquart."

p. 277 above line 5 up add:
Genus **LILAEA** Walker
LILAEA Walker, 1850b: 11 (*Pangonia* subg.). Type species: *Pangonia luridus* Walker, 1848, des. Coquillett, 1910: 561.

Subgenus **ALILAEA** Chainey
ALILAEA Chainey, 1989: 750. Type species: *Silvius demejerei* Ricardo, 1913, orig. des.

transfer to here from *Perilsilvius*:
atrata Schuurmans Stekhoven
demeijerei Ricardo
vittata Ricardo

Subgenus **CYANOLILAEA** Chainey
CYANOLILAEA Chainey, 1989: 751. Type species: *Lilaea ismayi* Chainey, 1989, orig. des. ismayi Chainey, 1989: 751. PNG (PNG).

p. 278

transfer to *Pseudotabanus* from *Mesomyia*:
doddi Ricardo
montana Ricardo (and junior synonyms)
ngerrima Mackerras
sulcifrons Ferguson

p. 278 delete lines 8-10 up.

A homonym was discovered by the editor necessitating the following change:

p. 284 lines 16 and 17 up should read:

margaritifera Wiedemann, 1828: 88 (*Pangonia*).
"Austral=Asien"; Australia (NSW, Qld, Vic).
guttata Donovan, 1805: [166], pl. [41] (*Tabanus*).
Australia (NSW). [Preocc. Megerle, 1803.] N. syn.

The following distributional addition is from J. Burger (pers. comm.)

p. 286 add to *Chasmia orthelloides* distribution:
Vanuatu.

Drosophilidae

1030 (42)

Recent papers by T. Okada and David Grimaldi (see New Articles) necessitate the following changes and additions to the *Drosophilidae* chapter.

p. 612 under *Leucophenga* add:
nigripalpis Duda, 1923c: 29 [1924a: 188]. Taiwan; PNG (PNG); Indonesia (Java), Malaysia.
wauensis Okada, 1989: 805. PNG (PNG).

add to distributions:
angusta: Fiji.
atriventris: Malaysia (Sabah), Thailand.
boninensis: Guam.
limbipennis: Singapore, Sri Lanka.
flavohalterata: Vanuatu.

p. 638 lines 9-11 down should read:

Subgenus **ANAPRIONUS** Okada
ANAPRIONUS Okada, 1990: 154 (n. n. for *Aprionus*).

APRIONUS Okada & Carson, 1983c: 545. Type species: *Notiphila lineosa* Walker, 1860, orig. des. [Preocc. Kieffer, 1894.]

p. 638 under *Zygothrica* add:
britannia Grimaldi, 1990: 17. Vanuatu, PNG (PNG).
carsoni Grimaldi, 1990: 12. PNG (PNG).
kokdana Grimaldi, 1990: 22. PNG (PNG).
leptorostra Grimaldi, 1990: 4. PNG (PNG); Malaysia (Pen).
prosopelona Grimaldi, 1990: Indonesia (Irian Jaya).
waul Grimaldi, 1990: 11. PNG (PNG).

add to distributions:

fijiana: Indonesia (Irian Jaya), Vanuatu.
samoensis: American Samoa, French Polynesia (Society Is), PNG (PNG), Solomon Is, Vanuatu.

Unplaced Taxa of Sciarioidea 2(2)

The following genus was inadvertently omitted from the Catalog. Dr. Peter Chandler (pers. comm.) has informed the editor that it will soon be published within its own new family.

Genus *HETEROTRICHIA* Loew

HETEROTRICHIA Loew, 1850b: 33. Type species: *Heterotricha hirta* Loew, 1850, mon.
novaezealandiae Tonnoi in Tonnoir & Edwards, 1927: 771. NZ (NZ).

Tipulidae 2217 (71)

Subsequent to completion of the catalog, the editor discovered the omission of the species below, which was originally pointed out by Osten Sacken (1878) in his catalog of North American Diptera.

p. 64

under subgenus *Ptilogyna* add:

macquartii Loew, 1851a: 392 [proposed (incorrectly) as a n.n. for specimens misidentified as *fuliginosa* Say by Macquart, 1838a: 50(46)].
"Amerique septentrionale" [error, = Australia; Osten Sacken, 1878: xvi, 222].

Unplaced Taxa of Calyptratae 1 (1)

Add this chapter after chapter 116. Family Streblidae. While doing a separate project on generic names of Diptera, the following genus and species were discovered by Dr. F.C. Thompson as untreated in the catalog. The genus appears from the description to be close to Scathophagidae. The type specimen, however, is apparently lost, hence proper placement of this taxon will have to await further material.

Genus *TOMELLA* Robineau-Desvoidy

TOMELLA Robineau-Desvoidy, 1830: 630. Type species: *Tomella guerini* Robineau-Desvoidy, 1830, mon.
guerini Robineau-Desvoidy, 1830: 630. "Australie."

PACIFIC BASIN DIPTERA NEWS

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In Entomology

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"Serving the Pacific Dipterists Community Since Just A Little While Ago"
