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PACIFIC BASIN DIPTERA NEWS 4

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PSC XVII to Have Fly Symposium

The XVII Pacific Science Congress, to be held in Honolulu, Hawaii May 27-June 2, 1991, will feature a symposium on Pacific Diptera taxonomy, entitled "Gondwanan-Pacific Diptera systematics: the developing picture". Some of the speakers scheduled to present papers in this symposium include Ken Kaneshiro on Drosophilidae, Dan Bickel on Dolichopodidae, Mitsuhiro Sasakawa on Lauxaniidae and Tethinidae, Junichi Yukawa on Cecidomyiidae, and Hiroshi Shima on Tachinidae. The symposium is being coordinated by Neal L. Evenhuis, Bishop Museum, Honolulu, USA.

For more information on this symposium or the Congress in general please write Dr. Nancy Lewis, XVII Pacific Science Congress, University of Hawaii, 2424 Maile Way, Honolulu, Hawaii 96822, USA.

Lists of Names in Common Use—Diptera

The Second International Congress of Dipterology, held in Bratislava, Czechoslovakia, took place last 27 August-2 September with exit polling showing that most every delegate participating came away with good memories of some thought-provoking paper presentations, keynote speeches, pretty hostesses at the registration desk, discussions with colleagues, and free-flowing pilsner.

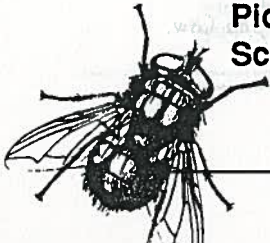
At the final plenary session of the Congress, the delegates voted to approve the establishment of a committee to produce a list of Diptera names in common use for ultimate submittal to the I.C.Z.N. Lists such as these were encouraged at the last meeting of the International Commission on Zoological Nomenclature, held in conjunction with the International Congress for Systematic and Evolutionary Biology, at the University of Maryland last July (see article by J.M. Savage in *Insect Collection News* No. 4* for more detailed information on the activities of the I.C.Z.N. at these meetings). These lists derive from the overriding purpose of the 3rd edition of the I.C.Z.N. Code, stated in the Preamble, which is to "promote stability and universality." The Commission agreed that this goal is best achieved by validating names in current use rather than following strict priority. The Commission would, after appropriate review of a submitted list, certify it as an Official List of Names in Current Use (LCNU). Names published previous to publication of the list that were not on the list would not be available or exist for nomenclatural purposes. In effect, all the research of names of taxa would be done for the systematists so that there would never be an obscure name found later to confuse or cause instability in taxonomy.

The Committee for Diptera names is composed of Adrian Pont (England), Laszlo Papp (Hungary), Neal Evenhuis, Chair (USA.), and F.C. Thompson, Liaison with ICZN (USA).

*May be obtained by writing Dr. Ron McGinley, Chair, Dept. Entomology, Smithsonian Inst., Washington, D.C. 20560

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New Articles (add to bibliography):

- Albrecht, A. 1990. Revision, phylogeny and classification of the genus *Dorylomorpha* (Diptera, Pipunculidae). *Acta Zool. Fenn.* 188, 240 p. (10 April)
- Clastrier, J. 1989. Ceratopogonidae from New Caledonia: VII. Genus *Paradasyhelea* (Diptera, Nematocera). *Rev. Fr. Entomol. (N.S.)* 11: 133-37. (31 December)+
- Disney, R.H.L. 1990. Key to Dohriphora males (Diptera: Phoridae) of the Australasian and Oriental regions with descriptions of new species. *Zool. J. Linn. Soc.* 99: 339-87. (August)
- Duckhouse, D.A. 1990. The Australian genera of pericomoid Psychodidae (Diptera) and the status of related Enderlein genera in the Neotropics. *Invert. Taxon.* 3: 721-46. (before September)
- Dyte, C.E. 1990. The type locality of *Sciapus pressipes* Parent (Diptera: Dolichopodidae). *Proc. Entomol. Soc. Wash.* 92: 584. (9 August)
- Evenhuis, N.L. & F.C. Thompson. 1990. Type designations of genus-group names of Diptera given in d'Orbigny's *Dictionnaire Universel d'Histoire Naturelle. Bishop Mus. Occas. Pap.* 30: 226-58. (6 June)
- Grootaert, P. & H.J.G. Meuffels. 1990. Dolichopodidae (Diptera) from Papua New Guinea IX: *Mischopyga* gen. nov. and *Physopyga* gen. nov., two new genera from the mangrove in Papua New Guinea. *Indo-Malay. Zool.* 6: 195-206. (June)
- Kurahashi, H. 1989. Two new species of *Euphumosia* from Papua New Guinea (Diptera: Calliphoridae). *Mem. Inst. Oswaldo Cruz* 84(Suppl. 4): 297-302. (31 December)+
- Marshall, S.A. & D.J.S. Montagnes. 1990. The Pacific species of *Trachyopella* Duda, (Diptera: Sphaeroceridae). *Invert. Taxon.* 3: 851-75. (before September)
- Nafus, D. & I. Schreiner. 1989. Biological control activities in the Mariana Islands from 1911 to 1988. *Micronesica* 22: 65-106. (August)
- Sugiyama, E., S. Shinonaga & R. Kano. 1990a. Sarcophagine flies from Malaysia and Singapore with the descriptions of six new species (Diptera, Sarcophagidae). *Jpn. J. Sanit. Zool.* 41: 81-91. (15 June)
- Sugiyama, E., S. Shinonaga & R. Kano. 1990b. Two new species and six new records of sarcophagine flies from the Philippines (Diptera, Sarcophagidae). *Jpn. J. Sanit. Zool.* 41: 93-97. (15 June)
- Wirth, W.W. & F.E. Giles. 1990. New species and records of predaceous midges from Fiji (Diptera: Ceratopogonidae). *Proc. Entomol. Soc. Wash.* 92: 444-60. (9 August)

ADDITIONS TO CATALOG CHAPTERS

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

Calliphoridae 322(40)

Two new species described in a new article by Kurahashi (see citation above) and a correction to the listing of *Neocalliphora "fulvimaculata"* are given below.

p. 704 line 26 down should read:

fulvimaculata Manuel in Olivier, 1811: 20 (*Musca*; impermissible alternate name for *quadrifasciata* Swederus).

Move to between lines 20 and 21 down

p. 708 add to *Euphumosia*:
lopesi Kurahashi, 1989: 297. PNG (PNG).
robertsi Kurahashi, 1989: 300. PNG (PNG).

p. 714 add under *Phormia regina*:
azurea, authors, not Fallén, 1810, misid.

add to bibliography:

Manuel, E. 1811. *Musca*, p. 1-46. In: Olivier, G.A., *Encyclopédie Méthodique. Histoire Naturelle. Insectes. Tome huitième.* Agasse, Paris. P. 1-464.

[A footnote on p. 46 indicates that Olivier was not the author of articles from the letter L till that page in volume 8. Manuel's name is at the end of the *Musca* introduction on the last page of the seventh volume of this series. The continuation of the *Musca* article containing the species descriptions is here also attributed to Manuel. This volume appeared in 2 parts. Pages 1-464 were published in 1811. Pages 465-722 were published in 1812. See Sherborn & Woodward (1893: 582; 1899: 585) for details on dating and authorship of various volumes of this series.]

Sarcophagidae

164(51)

Recent articles by Sugiyama *et al.* (1990a, b—full citations above) and other corrections and additions noted by the editor necessitate the following changes.

p. 724 under *Blaesoxipha* add:
rufipes Macquart, 1839a: 113 (*Agria*). Canary Is; Hawaiian Is [introduced; ?established]; Afrotrop., Palearctic Regs.
filipjevi Rohdendorf, 1928: 26 USSR.

p. 725 add to *peregrina* distribution:
"Singapore"

p. 727 add to *gressitti* distribution:
"Singapore"

p. 727 add to *ruficornis* distribution:
"Singapore"

p. 728 add under *Liosarcophaga* (between lines 3 and 4 down):
doleschalli Johnston & Tiegs, 1921: 73. Indonesia (Maluku); China, Indonesia (Java), Malaysia (Sabah),
Nepal, Thailand, Vietnam.

p. 728 add to *albiceps* and *sericea* distribution:
"Singapore"

p. 729 add to *epsilon* distribution:
"Philippines"

p. 729 add to *longiflora* distribution:
"Malaysia (Pen), Singapore."

add to bibliography:

Rohdendorf, B.B. 1928. Sarcophagen-Studien I. Beiträge zur Kenntnis der Gattung *Blaesoxipha* Löw. *Zool. Anz.* 77: 23-28.

Tipulidae

2217(71)

Macquart (1835, *Histoire Naturelle des Insectes. Diptères.*) records in his "supplement" (p. 648-650) some of Westwood's new genera proposed in 1835. Apparently Westwood had given Macquart this information from manuscript notes or proof sheets. Macquart's (1835) listing of these genera and the new species predate the descriptions in Westwood (1835c and 1835f in the bibliography) (viz., Macquart, 1835 dates from 1 April; Westwood, 1835c dates from 30 April [the last day of the month]; Westwood, 1835f dates from September). Macquart does not give Westwood credit for anything more than the names, thus the new genera and species take authorship and date from Macquart (1835). The following changes to the catalog text on p. 87 are necessary.

line 8 down:

change authorship of GYNOPLISTIA to Macquart

line 9 down change to read:

GYNOPLISTIA Macquart, 1835: 649. [A type species designation is needed from the two included species, *cyanea* Macquart and *annulata* Macquart.]*

line 11 down:

change authorship of CEROZODIA to Macquart

between lines 11 and 12 down add:

CEROZODIA Macquart, 1835: 650. Type species: *Cerozodia interrupta* Macquart, 1835, mon.
 OZOCERA Macquart, 1835: 650. Unavailable name; genus-group name proposed in synonymy, not made available before 1961.

line 12 down:

remove boldface and italicize "CEROZODIA".

line 13 down add at end of line:

"[Preocc. Macquart, 1835.] N. Syn."

line 18 down change to read:

Interrupta Macquart, 1835: 650 (*Cerozodia*). Australia (WA).
interrupta Westwood, 1835c: 281(*Cerozodia*). Australia (WA) [Preocc. Macquart, 1835.] N. syn.

line 23 up:

change authorship of GYNOPLISTIA to Macquart

between lines 22 and 23 up add:

GYNOPLISTIA Macquart, 1835: 649. [A type species designation is needed from the two included species, *cyanea* Macquart and *annulata* Macquart.]*
 ANOPLISTES Macquart, 1835: 649. Unavailable name; genus-group name proposed in synonymy; not made available before 1961.

line 22 up:

remove boldface and italicize "GYNOPLISTIA".

line 21 up add at end of line:

"[Preocc. Macquart, 1835.] N. syn."

line 4 up change to read:

annulata Macquart, 1835: 650. "Amérique meridionale", error [= Australia]; Australia (NSW).
annulata Westwood, 1835c: 280. "Americâ Septentrionali", error [= Australia]. [Preocc. Macquart, 1835.] N. syn.

p. 88 line 7 up change to read:

cyanea Macquart, 1835: 650. "Nouvelle-Holland"; Australia (Tas).
cyanea Westwood, 1835c: 280. "New Holland."
 [Preocc. Macquart, 1835.] N. syn.

* A paper is in preparation by the editor to give a type species designation for *Gynoplistia* Macquart, 1835.

Muscidae

641(51)

An article by Evenhuis & Thompson (1990—full citation above) requires the following change to the listing of the genus *Graphomya*.

p. 687 line 13 up change to read

Duponchel *in d'Orbigny*, 1845b: 305.

An article by Shinonaga (1989—full citation in PDBN #3) requires the following change.

p. 675 under *Musclina* add:

arcuata Shinonaga, 1989: 285. PNG (Bougainville I).

Ceratopogonidae

772(37)

New articles by Clastrier (1989—full citation above) and Wirth & Giles (1990—full citation above) necessitate the following changes:

P.242 under *Paradasyhelea* add:

boucheti Clastrier, 1989: 13. New Caledonia (New Caledonia).

neocaledoniensis Clastrier, 1989: 13. New Caledonia (New Caledonia).

p. 242-43 under *Alluaudomyia* add Fiji to distribution of the following:

bipunctata
tenuistylata

p. 244 under *Downeshelea* add:

stenochora Wirth & Giles, 1990: 446. Fiji.

p. 244 under *Echinohelea* add to *flava* distribution: "Fiji, Solomon Is".

p. 245 under *Monohelea* add:

beaveri Wirth & Giles, 1990: 448. Fiji.
coloisuvae Wirth & Giles, 1990: 449. Fiji.
fijiensis Wirth & Giles, 1990: 451. Fiji.
leveri Wirth & Giles, 1990: 452. Fiji.

p. 247 under *Stilobezzia* (*Stilobezzi*) add:

browni Wirth & Giles, 1990: 454. Fiji.

p. 247 under *Cli-nohelea* add Fiji to *tasmaniensis* distribution.

p. 248 under *Hebetula* add Fiji to *tonnoiri* distribution.

p. 249 under *Nilobezzia* add:

fijiensis Wirth & Giles, 1990: 456. Fiji.

p. 250 under *Bezzia* add:

vitilevuensis Wirth & Giles, 1990: 458. Fiji.

Bombyliidae 317(48)

An article by Evenhuis & Thompson (1990—full citation above) plus corrections noted by the editor and Dr. David K. Yeates and new taxonomic information kindly supplied by the latter results in the following changes.

p. 362 between lines 6 and 7 up transfer the following from p.365:

aureolatus Walker, 1857: 145 (*Bombylius*). "Australia"; Australia (NSW, Qld). N. comb.

p. 366 lines 2 and 3 down:
"MARMOSOMA" should read "MARMASOMA"

p. 366 raise *Aleucosia* Edwards to generic status and place above *Alyosia*. Place the genera *Chelina* and *Paramonovomyia* as junior synonyms of *Aleucosia*.

p. 366 add to *Aleucosia*:
atherix Newman, 1841: 222 (*Neuria*).

p. 366 under *calophtalma* for 1869: 129 read 1869: 485.

p. 367 under *bancrofti* for 1934: 92 read 1934: 93.

p. 367 under *moretonii* for 1855: 95(75) read 1855: 97(77).

p. 367 between lines 18 and 19 up transfer from p. 374:
ANTHOCOLON Hull, 1973: 307 (*Comptosia* subg.). Type species: *Comptosia casimira* Hull, 1973, orig. des. N. syn.

p. 367 transfer from p. 374 to under *Comptosia*:
casimira Hull, 1973: 307. Australia (WA).

p. 368 lines 1 and 2 cdown should read:
Insignis Walker, 1849: 266 (*Anthrax*; n. n. for *lateralis* Newman; *lateralis* a secondary homonym no longer preoccupied; *insignis* to be used according to I.C.Z.N. Art. 59b). Australia (NSW).
lateralis Newman, 1841: 220 (*Neuria*). Australia (NSW). N. syn.

p. 368
"nigroscutellata" should read "rufoscutellata".

p. 368 after *vittata* Edwards insert:

Nomen nudum in *Comptosia* Macquart
antipodesia Hull, 1973: 495, 661.

p. 371 lines 14-17 down should read:

EXOPROSOPA Macquart, 1840: 35 [1841: 313]. Type species: *Anthrax pandora* Fabricius, 1805, des. Coquillett, 1910: 544. [Application to I.C.Z.N. has been submitted (Evenhuis & Greathead, 1989) to set aside an earlier type designation by Duponchel in d'Orbigny, 1845a: 545, which would place *Exoprosopa* in synonymy with *Ligyra*.]

Dolichopodidae 730(65)

A note by C.E. Dye (1990—full citation above) gives detailed information on the mistaken interpretation of the type locality of *Sciapus pressipes* (treated in the A/O Catalog as a junior synonym of *Krakatauia evulgata* Becker).

Other additions and corrections are as follows.

p. 405 line 12 down change to read:

VANDUZEIA Parent, 1934c: pl. 67. Type species: *Vanduzeeia cheesmanae* Parent, 1934 (as *cheesmani*), orig. des.

[Parent 1938 was the first revisor and used *Vanduzeeia* as the correct original spelling of the genus. The type fixation is orig. des. (on p. 298) and not mon. because there were two species described in the genus in the original publication, not just one.]

p. 405 line 13 down change to read:

VANDUZEEIA. Incorr. orig. spell. of *Vanduzeeia* (Parent, 1934c: 257).

p. 406 above Unplaced species of Hydrophorinae insert the following:

Genus *THINOLESTRIS* Grootaert & Meuffels
THINOLESTRIS Grootaert & Meuffels, 1988: 32. Type species: *Thinolestris luteola* Grootaert & Meuffels, 1988, orig. des.
luteola Grootaert & Meuffels, 1988: 33. PNG (PNG).
obscura Grootaert & Meuffels, 1988: 35. PNG (PNG).

p. 407 before *Rhaphium* insert the following:

Genus *PHYSOPYGA* Grootaert & Meuffels
PHYSOPYGA Grootaert & Meuffels, 1990: 200. Type species: *Physopyga miranda* Grootaert & Meuffels, 1990, orig. des.
miranda Grootaert & Meuffels, 1990: 202. PNG (PNG).

p. 418 under Unplaced Genera of Dolichopodidae insert the following:

Genus *MISCHOPYGA* Grootaert & Meuffels
MISCHOPYGA Grootaert & Meuffels, 1990: 196. Type species: *Mischopyga artifices* Grootaert & Meuffels, 1990, orig. des.
artifices Grootaert & Meuffels, 1990: 198. PNG (PNG).

Genus *PHACASPIS* Meuffels & Grootaert
PHACASPIS Meuffels & Grootaert, 1988: 312. Type species: *Phacaspis petiolata* Meuffels & Grootaert, 1988, orig. des.
ornata Meuffels & Grootaert, 1988: 315. PNG (PNG).
petiolata Meuffels & Grootaert, 1988: 313. PNG (PNG).

Culicidae 619(22)

With the completion of the Catalog of Australasian Culicidae by Lee *et al.*, certain changes and additions are necessitated. Other corrections have been noted by the editor. Despite all the corrections noted below, the species and generic counts for the region remain the same.

p. 129 lines 13 and 14 up should read:

ROSSIA Theobald, 1902: 181. Type species *Anopheles sinensis* Wiedemann, 1828, orig. des. [Preocc. Owen, 1835.]

MYZORHYNCHUS Blanchard, 1902: 795 (n. n. for *Rossia*).

- p. 192 lines 14 and 15 up should read:
GRASSIA Theobald, 1902: 181 (as gen.). Type species: *Anopheles rossii* Giles, 1899 [= *Anopheles subpictus* Grassi, 1899], orig. des. [Preocc. Fisch, 1885.]
MYZOMYIA Blanchard, 1902: 795 (as gen.; n. n. for *Grassia*).
- p. 194 line 6 up:
delete "and Sharp, 1902: 258"
- p. 195 line 9 down:
"LEPTIDOTOMYIA" should read "LEPIDOTOMYIA".
- p. 195 line 10 down add at end of line:
"[Preocc. Theobald, 1905f.]
[Recent evidence on dating of Theobald 1905c and 1905f in which the name *Lepidotomyia* was proposed for two different culicid genera shows that Theobald, 1905f was published one month earlier than Theobald, 1905c.]
- p. 196 lines 8-9:
"des. Sharp, 1904: 308" should read "des. Blanchard, 1905: 415"
- p. 202 line 11 up:
gardinerii should read **gardnerii**
- p. 204 lines 9-10 and 12-13 under **Armigeres**:
"des. Sharp, 1902: 259." should read "mon."
[Theobald originally included two specific names in *Armigeres*, but *ventralis* was considered synonymous with *obturans*, thus *obturans* is the type species by monotypy.]
- p. 205 under **Armigeres milnensis** add the following:
ventralis Walker, 1865a: 103 (*Culex*). "New Guinea" [= Indonesia (Irian Jaya).] [Preocc. Walker, 1860.]
novaguinensis Evenhuis in Evenhuis & Gon, 1989: 210 (*Culex*; n. n. for *ventralis* Walker). Indonesia (Irian Jaya). N. syn.
- p. 205 insert between lines 5 and 6 up:
TRICHIOPRONOMYIA Theobald, 1905c: 98 (as gen.). Type species: *Trichopronomyia annulata* Theobald, 1905, mon.
- p. 206 under subgenus **Culex**:
transfer *bancroftii* Theobald to junior synonym of *sitlens* Wiedemann on p. 207.
- raise *palpallis* Taylor, 1912b to species status and move to between lines 4 and 5 up.
- p. 208-09 under subgenus **Lophoceraomyia** add:
cuicull Marks in Lee et al., 1989: 94 (n. n. for *annulata* Taylor). Australia (NT).
annulata Taylor, 1916b: 571 (*Lophoceraomyia*). Australia (NT). [preocc. Schrank, 1776.]
[Move from junior synonym of *fraudatrix* to here.]
insequens Marks in Lee et al., 1989: 120 (n. n. for *cairnsensis* Taylor). Australia (Qld).
cairnsensis Taylor, 1919a: 837 (*Lophoceraomyia*). Australia (Qld). [Preocc. Taylor, 1919.]
[Move from junior synonym of *fraudatrix* to here.]
- p. 210 lines 11-14 up: delete.
- p. 212 lines 8-9 down, under **LUDLOWIA**:
"des. Sharp, 1909: 360" should read "des. Brunetti, 1914: 64"
- p. 212 under subgenus **Coquillettia**:
raise *fuscopteron* to valid species and move to alphabetical order on p. 213.
- p. 213 under subgenus **Mansonoides**:
reduce *bonnewepsterae* to a junior synonym of *septempunctata*.
- p. 215 under subgenus **Rachisoura**:
reduce *papua* Brug to junior synonym of *fillipes* Walker.
reduce *subobscurus* Lee to junior synonym of *obscurus* Brug.
- p. 215 under subgenus **Tripteroides**:
reduce *atripes* Skuse to junior synonym and transfer it to under *argenteiventris* Theobald under subgenus *Polylepidomyia* on p. 214.
raise *aplotriangulata* to valid specific rank and transfer to alphabetical order under subgenus *Polylepidomyia* on p. 214.
transfer *MIMETOMYIA* Theobald to junior synonym of subgenus *Polylepidomyia* on p. 214.
- p. 216 under **Unplaced species of Tripteroides** Giles:
delete heading.
transfer *concinus* Lee and *subnudipennis* Edwards to subgenus *Rachisoura* on p. 215.
-
- Tephritidae** 682(128)
- The following new information comes from a recent issue of the FAO Quarterly plus omitted information noted by the editor.
- p. 503 add between lines 23 and 24 up:
BACTROCERA Guérin-Méneville, 1838: 300. Type species: *Bactrocera longicornis* Guérin-Méneville, 1838, mon. [Preocc. Macquart, 1835.]
- p. 505 add between lines 16 and 17:
longicornis Guérin-Méneville, 1838: 301. Australia (NSW). [Preocc. Macquart, 1835; no n. n. proposed at this time.]
[Macquart knew that Guérin-Méneville intended to describe this genus and stated such in his description of *Bactrocera*, which takes priority. It is obvious from the type locality of Guérin-Méneville's *longicornis* that it is not the same as Macquart's *longicornis*, which does not occur in Australia. Until the type of Guérin-Méneville's *longicornis* can be found and its identity ascertained, no replacement name is proposed.]
- p. 504 add to distribution of *dorsalis*:
"?Nauru, ?Solomon Is"
[An interception of a commercial airline flight containing *dorsalis* picked up the tephritid in either Nauru or the Solomon Islands. Given that species within the *dorsalis* complex are prone to misidentifications, these records are tentative pending confirmation of identification of the intercepted specimens.]
- p. 507 add to distribution of *xanthodes*:
"Niue".

p. 520 add between lines 17 and 18 up:
CERATITES Agassiz, 1846: (unjust. emend. of *Ceratitis*)
[Preocc. de Haan, 1825.]
HALTEROPHORA Rondani, 1861: 10 (unnec. n. n. for
Ceratitis). [Preocc. Endlicher, 1836.]

Plophilosoma:
add to **antipodum** distribution:
"Australia (ACT, SA, WA)"

add to **norrissi** distribution:
"Australia (NSW)"

add to **palpatum** distribution:
"Australia (Vic)"

Piophilidae 8(2)

A revision of the Australian Piophilidae requires the following updates to this chapter (all corrections are on p. 533). [Note: some of the material in McAlpine's paper was kindly transmitted before publication to Brian Pitkin for inclusion into the A/O chapter.]

add to Refs:
"McAlpine, 1989, rev. Australian spp."

Piophila:
add to **australis** distribution:
"Australia (Qld)"

add the following new species:
vitrea McAlpine, 1989: 20. Australia (NSW).

Scatopsidae 72(15)

The following two new species described in a recent paper by Paul Freeman (asee PDBN #3 for full citation) should be added to the chapter.

p. 182 under **Anapausis** add:
stapediformis Freeman, 1989: 41. NZ (NZ).
zealandica Freeman, 1989: 41. NZ (NZ).

PACIFIC BASIN DIPTERA NEWS

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