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**Fluke's catalogue of neotropical Syrphidae (Insecta, Diptera),
a critical study
with an appendix on new names in Syrphidae**

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Fluke made, during nearly forty years, a literature survey as a supplement to Aldrich's catalogue of North American Diptera. In the course of the years the South American species were included as well. In the last years of his life FLUKE (1956—1959) assembled his catalogue of neotropical Syrphidae from the extensive literature survey in his possession.

When finishing a study of Fluke's catalogue I thought it advisable to summarize the results in a publication accessible to all. I hope that the supplementary material and some rectifications will be useful in amplifying the important literature survey given in Fluke's catalogue.

In his preface Fluke states that references from other catalogues by Wiliston, Kertész and Stuardo were omitted. If no new nomenclatorial combinations were used, as is often the case in Fluke's catalogue, one will agree. But when new combinations are used, as is done in many cases by KERTÉSZ (1910), they should be included in a later catalogue. I do not summarize all combinations omitted by Fluke in this way. For example, in the genus *Mesograptia* 50 species mentioned by Fluke were placed by Kertész under *Toxomerus*. That is why in later years European scientists like Sack always used the generic name *Toxomerus* for this group. In Fluke's catalogue this reason is not apparent.

Sometimes Fluke included, as synonyms of a neotropical species, species from non-neotropical type-localities. For example *Eristalis sinensis* Wiedemann from China, a synonym of *Eristalis tenax* L. Sometimes such species were excluded, like *Helophilus polygrammus* Loew from Texas, a synonym of *Asemosyrphus mexicanus* Macquart. I did not make a list of species omitted in this way. They can nearly all be found in KERTÉSZ (1910) and there are not so many of them. Of course they should be included.

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[212]

On page 265 in the catalogue FLUKE included *Baccha valdiviana* PHILIPPI, 1865, and cited as original description: "*Ocyptamus valdivianus*, Verh. zool.-bot. Ges. Wien, 15 : 750". Originally PHILIPPI described *Ocyptamus valdivianus* on p. 748 and *Baccha valdiviana* on p. 750, both from Chile. Describing in the same publication two species under the same name, both from Chile, in two very related genera, is simply asking for difficulties of course. In Fluke's catalogue *Ocyptamus* has been brought forward as a synonym of *Baccha* and both species, cited above, would have got the same name. The species included by Fluke is *Ocyptamus valdivianus* PHILIPPI, 1865, p. 748 (and not 750), as can be concluded from the references cited by Fluke: *Ocyptamus albimanus* Bigot is a synonym of *Ocyptamus valdivianus* Philippi. So Fluke used the new combination *Baccha valdiviana* for Philippi's *Ocyptamus*. The second *Baccha valdiviana*, Philippi's *Baccha*, has to be replaced, because PHILIPPI's *Ocyptamus* has been published two pages in advance. I propose for *Baccha valdiviana* PHILIPPI, 1865, p. 750, *Baccha confusa* nomen novum.

There is another nomenclatorial matter to be considered. Shannon published in 1927 a nomen novum, *Mesogramma philippii*, for *Syrphus interruptus* Philippi, 1865, nec Gmelin, 1790. Fluke used this new name for the species involved, but added as a synonym *Syrphus octoguttatus* Jaennicke, 1867. The latter is the older name, however, and therefore has priority over Shannon's nomen novum. The right name for this species is *Mesograptia octoguttatus* (Jaennicke, 1867) (new combination).

FLUKE correctly mentioned as type species of the genus *Lycastirrhyncha* Bigot, *Rhingia nigra* Macquart, 1846. In his catalogue, on p. 57, he placed this type species erroneously under *Rhingia*. It ought certainly be placed on p. 153, under *Lycastirrhyncha*.

The genus *Ubristes* was placed by FLUKE erroneously as a synonym under *Chrysotoxum*. It is really related to *Microdon* and we find it again on p. 34 in the catalogue as separate genus. The genus *Priomerus* Macquart, 1834 is related to *Eristalis* and is often considered as a synonym of the latter. Fluke placed *Priomerus* Philippi, 1865 as a synonym under *Myolepta* Newman, 1838 and did not mention *Priomerus* Macquart, 1834.

Mesogramma bidentata Williston, 1891 does not exist. The right name and reference are *Mesogramma bidentata* Giglio Tos, 1893, Mem. R. Acc. Sc. nat. Torino, (2) 43 : 367. Fluke mentioned on various pages, for the reference cited above, the year 1892, which is wrong to my opinion. The author of *Salpingogaster costalis* is Walker, not Bigot.

On p. 200 FLUKE used the name *Metasyrphus wiedemanni* Johnson, 1919, derived from a nomen novum for *Syrphus americanus* Wiedemann, 1830, preoccupied by *Musca* (*Syrphus* F.) *americana* Swederus, 1787. To JOHNSON'S opinion the name, used in parentheses by Swederus, invalidated the name used by Wiedemann. As Swederus stated he applied the Linnean nomenclature. In several cases we find the same kind of naming in Linnaeus' Systema Naturae, for example *Gryllus*, *Acrida* (*Acrida* even with short description). The second (subgeneric) name never got generic status in inter-

pretations of the names given by Linnaeus. It is clear that the same applies to the name of Swederus. So we must use *Syrphus americanus* Wiedemann. Johnson's nomen novum must be placed under the synonymy of *Musca americana* Swederus. Perhaps it will be better to place both names on the list of rejected names to avoid further confusion.

Several names, used in Fluke, have to be replaced because they are preoccupied. I summarize them in the following list, together with their nomina nova or oldest synonyms.

- Syrphus sexmaculatus* Macquart, 1849, Dipt. exot., Suppl., 4: 153, on p. 198. Preoccupied by Palisot de Beauvois, 1805, Ins. rec. Afr. Amér.: 224, Dipt., tab. III.
Syrphus chilensis nomen novum.
- Syrphus similis* Blanchard, 1852, in Gay, Hist. fis. y pol. Chile, Zool., 7: 410, on p. 198. Preoccupied by Fallen, 1817, Dipt. Suec. Syrph.: 25. The oldest synonym, *Syrphus reedi* Shannon, 1927, must be used.
- Syrphus amoenus* Macquart, 1846, Dipt. exot., Suppl., 1: 138, on p. 217. Preoccupied by Loew, 1840, Progr. Posen, 1840: 35.
Mesograpta macquarti nomen novum.
- Microdon clavicornis* Curran, 1940, Amer. Mus. Novit., 1086: 6, on p. 25. Preoccupied by Sack, 1926, Phil. J. Sci., 29: 592.
Microdon currani nomen novum.
- Volucella fasciata* Macquart, 1842, Dipt. exot., 2 - 2: 22, on p. 69. Preoccupied by Herrich-Schaeffer, 1829, Fauna Germ., 111, tab. 23.
Volucella americana nomen novum.
- Volucella fuscipennis* Macquart, 1849, Dipt. exot., Suppl., 4: 131, on p. 70. Preoccupied by Macquart, 1842, Dipt. exot., 2 - 2: 24, on p. 70.
Volucella binominata nomen novum.
- Volucella opalina* Townsend, 1897, Ann. Mag. nat. Hist., (6) 20: 29, on p. 79. Preoccupied by Wiedemann, 1830, Aussereurop. zweifl. Ins., 2: 189.
Volucella townsendi nomen novum.
- Volucella testacea* van der Wulp, 1892, Tijdschr. Ent. 34 (1891): 203, on p. 87. Preoccupied by Rondani, 1848, in Truqui, Studi Ent., 1: 67.
Volucella wulpi nomen novum.
- Xylota rufipes* Williston, 1892, Biol. Centr. Amer., Dipt., 3: 71, on p. 98. Preoccupied by Loew, 1873, Berl. ent. Zs., 17: 36.
Heliophilus willistoni nomen novum.
- Helophilus latifrons* Schiner, 1868, Novara Reise, Dipt.: 359, on p. 119, Preoccupied by Loew, 1863, Berl. ent. Zs., 7: 313.
Helophilus schineri nomen novum.
- Helophilus similis* Macquart, 1842, Dipt. exot., 2 - 2: 64, on p. 120. Preoccupied by Curtis, 1832, Brit. Ent., 9: 429.
The oldest synonym, *Helophilus fasciatus* Walker, 1849, must be used.
- Eristalis lateralis* Walker, 1837, Trans. Linn. Soc. London, 17: 347, on p. 137. Preoccupied by Fallen, 1817, Dipt. Suec. Syrph.: 51.
The oldest synonym, *Eristalis chilenus* Rondani, 1863, must be used.
- Eristalis latifrons* Loew, 1865, Berl. ent. Zs., 9: 169, on p. 137. Preoccupied by Zetterstedt, 1843, Dipt. Scand., 2: 811.
The oldest synonym, *Eristalis stipator* Osten Sacken, 1877, must be used.
- Eristalis trifasciatus* Macquart, 1842, Dipt. exot., 2 - 2: 39, on p. 154. Preoccupied by Say, 1829, J. Acad. nat. Sci. Phil., 6: 165.
Eristalis braziliensis nomen novum.
- Syrphus tarsalis* Walker, 1837, Trans. Linn. Soc. London, 17: 345, on p. 155. Preoccupied by Schummel, 1836, Uebers. Arb. Veraend. schles. Ges. vaterl. Kultur, 1836: 84.

Syrphus meridionalis nomen novum.

The generic name, used by FLUKE on page 155, is a lapsus.

Syrphus nigripes Loew, 1865, Berl. ent. Zs., 9: 155, on p. 156. Preoccupied by Meigen, 1822, Syst. Besch., 3: 282.

Syrphus loewi nomen novum.

The second list has been compiled from references of neotropical species omitted by Fluke. A considerable number can be incorporated with the species incertae sedis. I included the species from type-localities in Florida. Some of these are already in the catalogue: *Volucella nigra* Greene, *Baccha costata* Say and *Baccha nepenthe* Hull.

Syrphus agonis Walker, 1849, List Dipt. Brit. Mus., 3: 588.

Galapagos Islands.

Syrphus albitarsis Rondani, 1850, Nuovi Ann. Sci. nat. Bologna, 2: 166

Preoccupied by Meigen, 1822, Syst. Besch., 3: 290.

Syrphus rondanii nomen novum.

St. Sebastian Island.

Syrphus albomaculatus Fr. Smith, 1877, Proc. zool. Soc. London, 1877: 84

Preoccupied by Macquart, 1842, Dipt. exot., 2 - 2: 86.

Syrphus smithi nomen novum.

Galapagos Islands.

Syrphus costalis Wiedemann, 1830, Aussereurop. zweifl. Ins., 2: 140.

Suriname.

Syrphus dispar Fabricius, 1794, Ent. Syst., 4: 309.

South America.

Syrphus fascifrons Macquart, 1846, Dipt. exot., Suppl., 1: 137

Nova Grenada.

Syrphus melanogaster Thomson, 1869, Eugenes Resa: 495.

Rio de Janeiro.

Syrphus xanthopterus Wiedeman, 1830, Aussereurop. zweifl. Ins., 2: 120.

Brazil.

Syrphus quadrigeminus Thomson, 1869, Eugenes Resa: 500.

Currently considered as a synonym of *Allograpta obliqua* Say, 1823.

Buenos Aires.

Mesogramma arethusa Hull, 1945, Ent. News, 56: 185.

Florida.

Mesogramma imperialis Curran, 1926, in Gowdey, Dept. Agric. Jamaica, Ent. Bull., 4 -

1: 104.

Jamaica.

Mesogramma limae Brêthes, 1920, An. Soc. cient. Argent., 89: 30

Peru.

Mesogramma paragramma Schiner, 1868, Novara Reise, Dipt.: 349

South America.

Baccha calypso Hull, 1944, Bull. Brooklyn ent. Soc., 39: 60.

Florida.

Baccha gilva Austen, 1893, Proc. zool. Soc. London, 1893: 154

Brazil.

Paragus scutellaris Walker, 1837, Trans. Linn. Soc. London, 17: 342.

Currently considered as a synonym of *Baccha clavata* Fabr., 1794.

Brazil.

Baccha varia Walker, 1849, List Dipt. Brit. Mus., 3: 548.

Currently considered a synonym of *Baccha clavata* Fabr., 1794.

No type locality mentioned.

- Microdon aeolidiformis* Wheeler, 1924, Proc. nat. Acad. Sci., 10: 239
Panama.
- Microdon bertonii* Bezzi, 1910, Wien. ent. Zeitg., 29: 319.
Paraguay.
- Microdon bruchi* SHANNON, 1927, Rev. Soc. Ent. Argent., 2 - 4: 38.
Argentina.
- Aphritis dives* Rondani, 1848, in Truqui, Studi Ent., 1: 72.
Considered as a possible synonym of *Microdon instabilis* Wiedemann, 1830.
Brazil.
- Microdon iheringi* Bezzi, 1910, Wien. ent. Zeitg., 29: 320.
Brazil.
- Mixogaster sartocryptus* Hull, 1954, Amer. Mus. Novit., 1652: 8.
Omitted in Addenda, page 158 in the catalogue.
Brazil.
- Musca erythrocephala* Degeer, 1776, Mém. serv. Hist. Ins., 6: 146.
Placed under *Volucella* by Kertész, 1910.
Suriname.
- Volucella florida* Hull, 1941, Ent. News, 52: 278.
Florida.
- Volucella hirsuta* Giglio Tos, 1892, Boll. Mus. Zool. Anat. comp. Torino, 7 - 123: 3.
Currently considered as a synonym of *V. caesariata* Williston, 1891.
Mexico.
- Volucella pallida* Macquart, 1842, Dipt. exot., 2 - 2: 26.
Guyana.
- Volucella sternalis* Curran, 1930, Amer. Mus. Novit., 413: 20.
Mexico.
- Volucella transatlantica* Rondani, 1863, Arch. Zool., 3: 4.
Considered as a synonym of *V. esuriens* Fabr., 1794. Mentioned by Fluke in
the index only, page 179.
South America.
- Phalacromyia albitarsis* Arribalzaga, 1892, An. Soc. cient. Argent., 34: 244.
Argentina.
- Phalacromyia concolor* Philippi, 1865, Verh. zool.-bot. Ges. Wien, 15: 735.
Chile.
- Phalacromyia subrostrata* Rondani, 1848, in Truqui, Studi Ent., 1: 68.
Considered as a possible senior name of *Volucella tristis* Bigot, 1875
Brazil.
- Xylota latitarsata* Macquart, 1842, Dipt. exot., 2 - 2: 73
? South America.
- Polybiomyia lyncharribalzagai* Shannon, 1927, Rev. Soc. Ent. Argent., 2 - 4: 40.
Argentina.
- Helophilus rostratus* Macquart, 1846, Dipt. exot., Suppl., 1: 131.
Nova Grenada.
- Dolichogyna fasciata* Macquart, 1842, Dipt. exot., 2 - 2: 66.
Currently considered as a synonym of *D. chilensis* Guerin, 1835. In Fluke only
mentioned as *D. fasciata* Williston, 1886.
Chile.
- Habromyia chrysotaenia* Fluke, 1937, Amer. Mus. Novit., 941: 12
Brazil.
- Imatisma analis* Macquart, 1846, Dipt. exot., Suppl., 1: 132
Currently placed under *Mallota*.
Nova Grenada.
- Mallota intermedia* Hull, 1949, Psyche, 56: 125.
Peru.
- Eristalis agnatus* Rondani, 1850, Nuovi Ann. Sc. nat. Bologna, (3) 2: 358.
Currently considered as a synonym of *E. scutellaris* Fabr., 1805.

South America.

Eristalis angustatus Rondani, 1848, in Truqui, Studi Ent., 1: 70.

Currently considered as a synonym of *E. scutellaris* Fabr., 1805.

Brazil.

Eristalis proximus Rondani, 1848, in Truqui, Studi Ent., 1: 69.

Currently considered as a possible synonym of *E. fasciatus* Wiedemann, 1819.

Brazil.

Priomerus bimaculatus Bigot, 1884, Ann. Soc. Ent. France, (6) 3 (1883): 222. Currently considered as a synonym of *E. scutellaris* Fabr., 1805. BIGOT writes: "Ma collection renferme un certain nombre d'individus, tous identiques, avec etiquettes (autographes) de Macquart, et dénommés, tantôt *Eristalis scutellatus* = *Palpada* id. (v. Dipt., S. à Buff.), tantôt *Priomerus bimaculatus*, tous appartiennent certainement au Genre *Priomerus*, et, conséquemment, doivent être désignés par le nom de *Priomerus scutellatus*". This is the only literature available of *Priomerus bimaculatus* Bigot, which, clearly, is a nomen nudum.

Eristalis bombusoides Giglio Tos, 1892, Boll. Mus. zool. Anat. comp. Torino, 7 - 123: 4

Currently considered as a synonym of *E. circe* Williston, 1892.

Mexico.

Eristalis cognatus Rondani, 1848, in Truqui, Studi Ent., 1: 69.

Preoccupied by Wiedemann, 1824. Currently considered as a synonym of *E. scutellaris* Fabr., 1805, so a nomen novum does not seem to be necessary

Brazil.

Eristalis inversus Wiedemann, 1830, Aussereurop. zweifl. Ins., 2: 161.

Suriname.

Eristalis limbatineuris Macquart, 1849, Dipt. exot., Suppl., 4: 137.

Currently considered as a synonym of *E. scutellaris* Fabr., 1805

Brazil.

Eristalis pygmaeus Macquart, 1842, Dipt. exot., 2 - 2: 54.

Preoccupied by Zetterstedt, 1838: *Eristalis guyanensis* nomen novum.

Suriname.

Eristalis xanthaspis Wiedemann, 1830, Aussereurop. zweifl. Ins., 2: 191.

Currently considered as a synonym of *E. distinguendus* Wiedemann, 1830. No type-locality mentioned.

The number of neotropical Syrphidae, mentioned by Fluke, is affected by some species included twice. The doubles will only be found after extensive checking, because they were omitted in the index. I summarize them in the third list. Some were placed in two different genera, both as separate species. Others were included in one genus as synonym and as separate species, so both under identical names.

flukei Curran, 1936: as *Epistrophe*, p. 203; as *Allograpta*, p. 207.

mu Bigot, 1884: as *Allograpta*, p. 208; as *Mesograpta*, p. 226.

planiventris Loew, 1865: as *Mesogramma*, p. 225; as *Mesograpta*, p. 226.

albimanus Bigot, 1884: as *Ocyrtamus*, p. 265; as *Valdivia*, p. 55.

plaumanni Curran, 1940: as *Microdon*, p. 31; as *Ceratophya*, p. 39.

goettei Shannon, 1927: as *Ubristes*, p. 35; as *Ceratophya*, p. 39.

cincta Bigot, 1884: as *Cheilosia*, p. 45; as *Quichuana*, p. 124.

pachymera Loew, 1865: as *Heliophilus*, p. 98; as *Neplas*, p. 100.

subcostalis Walker, 1860: as *Heliophilus*, p. 99; as *Quichuana*, p. 125.

chiragra Fabricius, 1805: as *Merodon*, p. 154; as *Sphegina*, p. 155. Both, author and species name, are incorrect on p. 155. The right name is *Sphegina chiragra* Fabr., 1805.

Baccha felix Shannon, 1927: on p. 246 as separate species; on p. 253 as synonym.

Rhysoys columella Fluke, 1945: on p. 11 as synonym; on p. 14 as separate species.

Volucella castanea Bigot, 1875: on p. 63 as separate species; on p. 82 as synonym.
Volucella tricineta Bigot, 1875: on p. 83 as synonym; on p. 87 as separate species.
Ceriodes scutellata Williston, 1886: on p. 115 as synonym; on p. 117 as separate species.

APPENDIX : NEW NAMES IN SYRPHIDAE

While studying Fluke's catalogue and summarizing the new names required for neotropical species I came along some other homonyms for species in other parts of the world.

When the name to be replaced was a synonym of another species I did not mention the homonymy. If the name to be replaced had junior synonyms I mentioned the homonymy, but proposed the oldest junior synonym.

Palaeartic

- Syrphus fulvicornis* Shiraki & Edashige, 1953, Trans. Shikoku ent. Soc., 3: 102
Preoccupied by Meigen, 1822, Syst. Besch., 3: 288.
Syrphus nipponensis nomen novum. Japan.
- Syrphus lautus* Coquillet, 1898, Proc. U.S. nation. Mus., 21: 323.
Preoccupied by Giglio Tos, 1892, Boll. Mus. zool. Anat. comp. Torino 7 - 132: 2.
Syrphus coquilletti nomen novum. Japan.
- Melanostoma alpinum* Shiraki & Edashige, 1953, Trans. Shikoku ent. Soc., 3: 96.
Preoccupied by Szilády, 1942, Mitt. Muench. ent. Ges., 32: 624.
Melanostoma japonicus nomen novum. Japan.
- Platychirus nigripes* Szilády, 1940, Ann. Mus. nat. Hung. Zool., 33: 56.
Preoccupied by Enderlein, 1933, Deutsch. ent. Zs., 1933: 138.
Platychirus sziladyi nomen novum. Hungary.
- Cheilosia modesta* Becker, 1921, Mitt. zool. Mus. Berlin, 10: 24.
Preoccupied by Egger, 1860, Verh. zool.-bot. Ges. Wien, 10: 354.
Cheilosia magyarensis nomen novum. Hungary.
- Eristalis nigricans* Matsumura, 1905, Thous. Ins. Japan, 2: 93.
Preoccupied by Wiedemann, 1830, Aussereurop. zweifl. Ins., 2: 189.
Eristalis japonicus nomen novum. Japan.
- Eristalis rufitarsis* Zetterstedt, 1855, Dipt. Scand., 12: 4665.
Preoccupied by Macquart, 1842, Dipt. exot., 2 - 2: 58.
Cheilosia fulvitarsis nomen novum. Northern Europe.
- Merodon graecus* Loew, 1862, Wien. ent. Monatschr., 6: 165.
Preoccupied by Walker, 1852, Ins. Saunders., Dipt., 1: 243.
Merodon loewi nomen novum. Greece.
- Eumerus rubriventris* Becker, 1921, Mitt. zool. Mus. Berlin, 10: 67.
Preoccupied by Macquart, 1829, Rec. Soc. Sci. agric. Lille, (1828): 267
Eumerus rufiventris nomen novum. Syria.
- Syrphus annulatus* Panzer, 1798, Fauna Germ., 60, tab. 11.
Preoccupied by Fabricius, 1794, Ent. Syst., 4: 296.
The oldest synonym, *Eumerus grandis* Meigen, 1822, must be used.
Europe, Transcaucasia.

Nearctic

- Syrphus bimaculatus* Lovett, 1919, Proc. Calif. Acad. Sci., 9: 244.
Preoccupied by von Roser, 1840, Corr. Bl. Würt. Ver., 1: 55.
Syrphus lovetti nomen novum. Oregon.

- Syrphus conjunctus* Osburn, 1908, Can. Ent., 40: 7.
Preoccupied by Wiedemann, 1830, Aussereurop. zweifl. Ins., 2: 116.
Syrphus incisus nomen novum. British Columbia.
- Syrphus dimidiatus* Macquart, 1834, Suites à Buffon, Dipt., 1: 537.
Preoccupied by Fabricius, 1781, Spec. Ins., 2: 434.
Syrphus doesburgi nomen novum. North America.
- Syrphus cylindricus* Say, 1824, Amer. Ent., 1: 22.
Preoccupied by Fabricius, 1781, Spec. Ins., 2: 429
The oldest synonym, *Sphaerophoria contigua* Macquart, 1847, must be used
Nearctic, Eastern Asia.
- Cheilosia rufipes* Williston, 1882, Proc. Amer. phil. Soc., 20: 306.
Preoccupied by Macquart, 1829, Rec. Soc. Sci. agric. Lille, (1828): 206.
Melanostoma willistoni nomen novum. North America.
- Eristalis flavipes* Walker, 1849, List Dipt. Brit. Mus., 3: 633.
Preoccupied by Zetterstedt, 1843, Dipt. Scand., 2: 784.
Eristalis americanus nomen novum. North America.
- Helophilus modestus* Williston, 1886, Bull. U.S. nation. Mus., 31: 192
Preoccupied by Wiedemann, 1818, Zool. Mag., 1 - 2: 43.
Helophilus willistoni nomen novum. North America.
- Paragus quadrifasciatus* Say, 1824, in Long, Exp. St. Peter's River, 2, Appendix: 377.
Preoccupied by Meigen, 1822, Syst. Besch., 3: 181.
Spilomyia sayi nomen novum. North America.

Ethiopian

- Syrphus tricolor* Walker, 1852, Ins. Saunders., Dipt., 1: 230.
Preoccupied by Fabricius, 1798, Suppl. Ent. Syst.: 563
Syrphus saundersi nomen novum. South Africa.
- Rhingia uniformis* Curran, 1939, Congo, Uganda, Amer. Mus. Novit., 1025: 2.
Preoccupied by Curran, 1931, Borneo, J. F. M. S. Mus., 16: 365.
Rhingia currani nomen novum. Congo, Uganda.
- Eristalis assimilis* Walker, 1849, List Dipt. Brit. Mus., 3: 611.
Preoccupied by Macquart, 1846, Dipt. exot., Suppl., 1: 129.
The oldest synonym, *Megaspis capito* Loew, 1858, must be used.
West and South Africa.

Oriental

- Melanostoma cingulatum* Bigot, 1884, Ann. Soc. ent. France, (6), 4: 85.
Preoccupied by Egger, 1860, Verh. zool.-bot. Ges. Wien, 10: 663.
Melanostoma bigoti nomen novum. Indonesia: Mysol Island.
- Melanostoma quadrinotatum* de Meijere, 1914, Tijdschr. Ent., 57: 163.
Preoccupied by Bigot, 1884, Ann. Soc. ent. France, (6) 4: 77.
Melanostoma meijerei nomen novum. Indonesia: Java.
- Paragus ruficaudatus* Keiser, 1955, Verh. naturf. Ges. Basel, 63: 154.
Preoccupied by Bigot, 1884, Ann. Soc. ent. France, (6) 3 (1883): 54.
Paragus keiseri nomen novum. Indonesia: Sumba, Java.
- Paragus substitutus* Walker 1861, Proc. Linn. Soc. London, 5: 285.
Preoccupied by Loew, 1858, Öfvers. K. Vet. Akad. Förh., 14 (1857): 376.
Paragus loewi nomen novum. Indonesia: Batjan Island.
- Baccha violacea* Keiser, 1955, Verh. naturf. Ges. Basel, 63: 163.
Preoccupied by Hull, 1943, Ent. Amer., 23: 71.
Baccha keiseri nomen novum. Indonesia: Sumba.
- Eristalis chalybaeus* de Meijere, 1915, Tijdschr. Ent., 58, suppl.: 30.
Preoccupied by Macquart, 1842, Dipt. exot., 2 - 2: 55.
Eristalis meijerei nomen novum. Indonesia. Simalur Island.

- Eristalis cupreus* de Meijere, 1908, Tijdschr. Ent., **51**: 271.
Preoccupied by Macquart, 1842, Dipt. exot., **2** - **2**: 45.
Eristalis cupreoides nomen novum. Indonesia: New Guinea.
- Eristalis ferrugineus* de Meijere, 1911, Tijdschr. Ent., **54**: 339.
Preoccupied by Fabricius, 1805, Syst. Antl.: 240.
Eristalis rufus nomen novum. Indonesia: Java.
- Eristalis semiplendens* Shiraki, 1930, Mem. Fac. Sci. Agric. Taihoku Imp. Univ., **1**: 140
Preoccupied by Sack, 1926, Phil. J. Sci., **29**: 584.
Eristalis sacki nomen novum. Formosa.
- Helophilus albiceps* van der Wulp, 1868, Tijdschr. Ent., **11**: 116.
Preoccupied by Macquart, 1846, Dipt. exot., Suppl., **1**: 132.
Helophilus wulpi nomen novum. Indonesia.
- Criorrhina apiformis* Shiraki, 1930, Mem. Fac. Sci. Agric. Taihoku Imp. Univ., **1**: 52
Preoccupied by Macquart, 1829, Rec. Soc. Sci. agric. Lille, (1828): 329.
Criorrhina shirakii nomen novum. Formosa.
- Microdon flavipennis* Sack, 1926, Phil. J. Sci., **29**: 593.
Preoccupied by Curran, 1925, Ann. Mag. nat. Hist., (9) **16**: 342.
Microdon sacki nomen novum. Philippines.

Oceania

- Sphaerophoria annulipes* Macquart, 1855, Marquesas Islands, Dipt. exot., Suppl., **5**: 96
Preoccupied by Macquart, 1842, Egypt., Dipt. exot., **2** - **2**: 103.
Sphaerophoria macquarti nomen novum. Marquesas Islands, Tahiti.

Australia and New Zealand

- Syrphus obesus* Hutton, 1901, Trans. New Zeal. Inst., **33** (1900): 41.
Preoccupied by Fabricius, 1775, Syst. Ent.: 763.
Syrphus huttoni nomen novum. New Zealand.
- Syrphus pusillus* Macquart, 1847, Dipt. exot., Suppl., **2**: 61.
Preoccupied by von Roser, 1840, Corr. Bl. Würt. Ver., **1**: 55.
Syrphus australiensis nomen novum. Australia.
- Psilota nigra* Shannon, 1927, Proc. ent. Soc. Wash., **29**: 83.
Preoccupied by Zetterstedt, 1843, Dipt. Scand., **2**: 847
Psilota shannoni nomen novum. Southern Australia.
- Eristalis maculatus* de Meijere, 1908, Tijdschr. Ent., **51**: 266.
Preoccupied by Fallen, 1817, Dipt. Suec. Syrph.: 52.
Eristalis australiensis nomen novum. Australia.
- Ceriodes picta* Riek, 1954, Austr. J. Zool., **2**: 113.
Preoccupied by Kertész, 1902, Termesz. Füzet., **25**: 87 (*Ceria picta*).
Placed under *Ceriodes* by Kertész, 1910, Cat. Dipt.: 365.
Ceriodes rieki nomen novum. Australia.
- Microdon modestus* Ferguson, 1926, Proc. Linn. Soc. N.S. Wales, **51**: 179.
Preoccupied by Knab, 1917, Proc. biol. Soc. Wash., **30**: 139.
Microdon fergusonii nomen novum. Australia.

Fossil

- Syrphus aeneus* Stanz, 1940, Palaeontogr., A **91**: 142.
Preoccupied by Fabricius, 1794, Ent. Syst., **4**: 302.
Syrphus statzi nomen novum. Upper Oligocene, Germany.

LITERATURE

FLUKE, C. L.

- 1956 Catalogue of the family Syrphidae in the neotropical region. — *Rev. Brasil. Ent.*, **6**: 193—268.
1957 *Ibidem*, second part. — *Rev. Brasil. Ent.*, **7**: 1—181.
1959 Concerning the catalogue of neotropical Syrphidae (corrections). — *Rev. Brasil. Ent.*, **9**: 169.

JOHNSON, C. W.

- 1919 The North American Diptera described by Nils S. Swederus. — *Can. Ent.*, **51**: 32.

KERTÉSZ, K.

- 1910 *Catalogus Dipteriorum hucusque descriptorum*, **7** (Syrphidae): 1—367. (Engelmann, Leipzig).

PHILIPPI, R. A.

- 1865 Aufzählung der chilenischen Dipteren. Syrphidae. — *Verh. zool.-bot. Ges. Wien*, **15**: 733—750.