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Review of the Opiinae of the Malagasy Subregion (Hymenoptera: Braconidae)

M. FISCHER & M. MADL

A b s t r a c t : Till now nine genera and 46 species of Opiinae have been recorded from the Malagasy Subregion. Following new combinations are made: *Psytalia infuscata* (GRANGER 1949), *P. subsulcata* (GRANGER 1949) and *Pseudorhinoplus variegatus* (GRANGER 1949). New records of *Diachasmimorpha fullawayi* (SILVESTRI 1914), *Fopius arisanus* (SONAN 1932), *Opius waterloti* GRANGER 1949, *Psytalia cosyrae* (WILKINSON 1927), *P. insignipennis* (GRANGER 1949), *P. sanctamariana* (FISCHER 1980) and *P. subsulcata* (GRANGER 1949) are dealt with.

K e y w o r d s : Braconidae, Opiinae, Madagascar, Mayotte, Mauritius, Réunion, catalogue, taxonomy, new records.

Introduction

The large braconid subfamily Opiinae contains about 1.900 species worldwide. Members are solitary parasitoids of eggs or larvae of different families of cyclorrhaphous Diptera, of which Agromyzidae, Anthomyiidae and Tephritidae are the major hosts. As several hosts are agricultural pests, Opiinae are often used in biological control programs (e.g. control of fruit-infesting Tephritidae).

The Opiinae of the Malagasy Subregion are poorly known. Up to date 46 species have been recorded from following islands: Madagascar, Mauritius, Mayotte and Réunion. There are no endemic genera, but 30 species are endemics.

Host records are available for four native species: *Psytalia distinguenda* (GRANGER 1949), *P. insignipennis* (GRANGER 1949), *P. sanctamariana* (FISCHER 1980) and *Psytalia subsulcata* (GRANGER 1949).

A lot of species have been released into different islands during biological control programs against agricultural pests, but several introductions apparently failed. As introduced parasitoids often change host and habitat, it is necessary to keep in mind all species. For example, *Diachasmimorpha fullawayi* (SILVESTRI 1914), which was successfully introduced into Réunion, arrived in Mauritius by natural means or inadvertently by human agency. The introduction of following species failed (in brackets country of introduction):

Diachasmimorpha longicaudata (ASHMEAD 1905) (Mauritius), *D. tryoni* (CAMERON 1911) (Mauritius, Réunion), *Opius dissitus* MUESEBECK 1963 (Réunion), *Opius* sp. (from

Peru into Mauritius), *Psytalia incisi* (SILVESTRI 1916) (Mauritius), *P. phaeostigma* (WILKINSON 1927) (Mauritius). The list is incomplete due to access to literature of applied entomology.

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Annotated catalogue

Genus *Aulonotus* ASHMEAD 1900

D i s t r i b u t i o n : Ethiopian, Nearctic, Neotropical, Oriental and Palearctic Region.

Valid species: 2.

Aulonotus grangeri (FISCHER 1963)

Opius (*Opius*) *grangeri* nov.nom.: FISCHER 1963a: 213 (key), 217 (tax., descr. ♂ ♀, Madagascar), 218 (fig. 15).

Opius grangeri FISCHER 1963: FISCHER 1968: 153 (key), 210 (Madagascar).

Opius grangeri FISCHER 1963: FISCHER 1971c: 70 (cat.).

Opius (*Aulonotus*) *grangeri* FISCHER 1963: FISCHER 1971d: 387 (typ. subegn.), 392 (key).

Opius grangeri FISCHER 1963: PAPP 1985: 211 (cat.).

Opius (*Aulonotus*) *grangeri* FISCHER 1963: FISCHER 1987: 110 (key), 119 (descr. ♂ ♀, fig. 85, Madagascar).

Opius (*Aulonotus*) *grangeri* FISCHER 1963: FISCHER 1988: 858 (key).

Aulonotus grangeri (FISCHER 1963): FISCHER 2000: 115 (comb., key).

Opius annulicornis nov.sp.: GRANGER 1949: 380 (key), 382 (fig. 393), 383 (descr. ♂ ♀, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra – Prov. Toamasina: Andasibe (Perinet) – Prov. Fianarantsoa: Ambositra.

Endemic.

RISBEC (1956: 157) recorded a variety of *Opius annulicornis* GRANGER from Cameroon. The material should be checked.

Aulonotus mandrakensis (FISCHER 1968)

Opius mandrakensis nov.sp.: FISCHER 1968: 154 (key), 183 (descr. ♂ ♀, Madagascar), 184 (fig. 27).

Opius mandrakensis FISCHER 1968: FISCHER 1971c: 85 (cat.).

Opius (Aulonotus) mandrakensis FISCHER 1968: FISCHER 1971d: 392 (tax., key).

Opius mandrakensis FISCHER 1968: PAPP 1985: 212 (cat.).

Opius (Aulonotus) mandrakensis FISCHER 1968: FISCHER 1987: 110 (key), 129 (descr. ♂ ♀, fig. 97, Madagascar).

Opius (Aulonotus) mandrakensis FISCHER 1968: FISCHER 1988: 859 (key).

Aulonotus mandrakensis (FISCHER 1968): FISCHER 2000: 115 (comb., key).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Mandraka.

Known from the Ethiopian Region.

Genus *Bitomus* SZÉPLIGETI 1910

D i s t r i b u t i o n : Ethiopian and Palearctic Region.

Valid species: 1.

***Bitomus granulellus* FISCHER 1994**

Bitomus granulellus nov.sp. FISCHER 1994: 22 (key, descr. ♀, Madagascar), 23 (figs 1-5).

Bitomus granulellus FISCHER 1994: FISCHER 2006: 104 (key).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Nosy Boraha (Sainte Marie).

Endemic.

Genus *Diachasmimorpha* VIERECK 1913

D i s t r i b u t i o n : Ethiopian, Nearctic, Oriental and Palearctic Region.

Valid species: 4.

***Diachasmimorpha fullawayi* (SILVESTRI 1914)**

Diachasmimorpha fullawayi (SILVESTRI 1914): QUILICI, VINCENOT & FRANCK 2003: 129 (biol., Réunion), 154 (cat.), 156 (cat., biol.), 158 (cat., biol.).

H o s t : *Ceratitis capitata* (WIEDEMANN) (Diptera: Tephritidae).

D i s t r i b u t i o n and new records: Réunion – Mauritius: Pointe d'Esny 1 ♀ 23.09.2007 leg. A. Link (NHMW).

Known from the Ethiopian Region.

Introduced into Réunion for biological control and established. New to the fauna of Mauritius.

***Diachasmimorpha insignis* (GRANGER 1949)**

Biosteres insignis nov.sp.: GRANGER 1949: 394 (key, descr. ♂ ♀, Madagascar), 395 (fig. 408).

Opius (Biosteres) insignis (GRANGER 1949): FISCHER 1963c: 723 (key), 730 (tax., descr. ♂ ♀, fig. 58, Madagascar).

Biosteres insignis GRANGER 1949: FISCHER 1971c: 25 (tax., cat.).

Biosteres insignis GRANGER 1949: PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) insignis GRANGER 1949: FISCHER 1987: 577 (key), 606 (descr. ♂ ♀, Madagascar), 607 (fig. 498).

Diachasmimorpha insignis (GRANGER 1949): WHARTON 1997: 14 (tax.), 33 (tax.).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Andekaleka (Rogez).

Endemic.

***Diachasmimorpha longicaudata* (ASHMEAD 1905)**

Opius longicaudatus ASHMEAD 1905: BRÉNIÈRE 1965: 349 (biol., Madagascar not established).
Biosteres (Chilotrichia) longicaudatus ASHMEAD 1905: RAVAOMANARIVO-RAVELOSON & RAZAFIMAHATRATRA 1987: 24 (Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Fenoarivo.

Known from the Oriental and Australian Region.

Introduced into Madagascar for biological control and established, but the introduction into Mauritius failed.

Genus *F o p i u s* WHARTON 1987

D i s t r i b u t i o n : Oriental and Palearctic Region.

Valid species: 5.

***Fopius arisanus* (SONAN 1932)**

Fopius arisanus (SONAN 1932): WHARTON 1999: 50 (table 1: tax.).
Fopius arisanus (SONAN 1932): QUILICI, VINCENOT & FRANCK 2003: 136 (biol., Réunion), 137 (photo 159), 154 (cat.).
Fopius arisanus (SONAN 1932): ROUSSE, GOURDON & QUILICI 2006: 285 (biol., Réunion), 286 (tables 1, 2), 287 (tables 3, 4), 288 (figs 1, 2A, B).
Fopius arisanus (SONAN 1932): ROUSSE et al. 2007: 42 (biol., Réunion).
Opius oophilus SILVESTRI (sic): ORIAN & MOUTIA 1960: table 6 (biol., Mauritius established).
Opius cophilus (sic) SILVESTRI (sic): BRÉNIÈRE 1965: 349 (biol., Madagascar not established).
Opius cophilus (sic) FULLAWAY 1951: RAVAOMANARIVO-RAVELOSON & RAZAFIMAHATRATRA 1987: 24 (Madagascar).

H o s t s : *Bactrocera zonata* SAUNDERS, *Ceratitidis capitata* (WIEDEMANN), *C. catoirii* (GUÉRIN-MÉNEVILLE), *C. rosa* KARSCH, *Dacus ciliatus* LOEW, *D. demmerezi* BEZZI, *Neoceratitidis cyanescens* (BEZZI) (Diptera: Tephritidae).

D i s t r i b u t i o n and new records: Madagascar: Prov. Antananarivo: Fenoarivo – Prov. Toamasina: Nosy Boraha (Sainte Marie): Foret d’Ambohidena 1 ♂ 1.12.1993 leg. M. Madl (NHMW) – Réunion – Mauritius.

Known from the Oriental Region.

Successfully introduced into Madagascar, Réunion and Mauritius for biological control.

The biology of this economic important species, which has been successfully introduced into the Australian, Nearctic and Neotropical Region, has been reviewed by ROUSSE, GOURDON & QUILICI (2005) recently.

***Fopius longicauda* (GRANGER 1949)**

Biosteres longicauda nov.sp.: GRANGER 1949: 394 (key), 395 (fig. 411), 396 (descr. ♀, Madagascar).
Fopius longicauda (GRANGER 1949): WHARTON 1997: 18 (tax.), 33 (tax.).
Fopius longicauda (GRANGER 1949): WHARTON 1999: 50 (table 1: tax.), 53 (tax.), 54.
Opius (Biosteres) bekilyensis nov.nom.: FISCHER 1963c: 723 (key), 724 (tax., descr. ♀, fig. 56, Madagascar).
Biosteres bekilyensis (FISCHER 1963): FISCHER 1971c: 21 (tax., cat.).
Biosteres bekilensis (sic) (FISCHER 1963): PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) bekilyensis FISCHER 1963: FISCHER 1987: 578 (key), 584 (descr. ♀, fig. 484, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Bekily.

Endemic.

***Fopius rubrithorax* (GRANGER 1949)**

Biosteres rubrithorax nov.sp.: GRANGER 1949: 394 (key), 395 (fig. 413), 397 (descr. ♂ ♀, Madagascar).

Opus (Biosteres) rubrithorax (GRANGER 1949): FISCHER 1963c: 724 (key), 733 (tax., descr. ♂ ♀), 734 (figs 59, 60).

Biosteres rubrithorax GRANGER 1949: FISCHER 1971c: 29 (tax., cat.).

Biosteres rubrithorax GRANGER 1949: PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) rubrithorax GRANGER 1949: FISCHER 1987: 578 (key), 625 (descr. ♂ ♀, figs 520, 521, Madagascar).

Fopius rubrithorax (GRANGER 1949): WHARTON 1997: 18 (tax.), 33 (tax.).

Fopius rubrithorax (GRANGER 1949): WHARTON 1999: 50 (table 1: tax.), 52 (tax.), 54.

D i s t r i b u t i o n : Madagascar: Prov. Toamasina. Andekaleka (Rogez).

Endemic.

***Fopius ruficornis* (GRANGER 1949)**

Biosteres ruficornis nov.sp.: GRANGER 1949: 394 (key), 395 (fig. 412), 397 (descr. ♀, Madagascar).

Opus (Biosteres) ruficornis (GRANGER 1949): FISCHER 1963c: 723 (key), 735 (tax., descr. ♀, Madagascar), 736 (fig. 61).

Biosteres ruficornis GRANGER 1949: FISCHER 1971c: 29 (tax., cat.).

Biosteres ruficornis GRANGER 1949: PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) ruficornis GRANGER 1949: FISCHER 1987: 578 (key), 627 (descr. ♀, Madagascar, fig. 522).

Fopius ruficornis (GRANGER 1949): WHARTON 1997: 18 (tax.), 33 (tax.).

Fopius ruficornis (GRANGER 1949): WHARTON 1999: 50 (table 1: tax.), 54.

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Andekaleka (Rogez).

Endemic.

***Fopius rufotestaceus* (GRANGER 1949)**

Biosteres rufotestaceus nov.sp.: GRANGER 1949: 394 (key), 395 (fig. (10 (= 410)), 396 (descr. ♀, Madagascar).

Opus (Biosteres) rufotestaceus (GRANGER 1949): FISCHER 1963c: 723 (key), 737 (tax., descr. ♀, Madagascar), 738 (fig. 62).

Biosteres rufotestaceus GRANGER 1949: FISCHER 1971c: 30 (tax., cat.).

Biosteres rufotestaceus GRANGER 1949: PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) rufotestaceus GRANGER 1949: FISCHER 1987: 577 (key), 629 (descr. ♂ ♀, fig. 523, Madagascar).

Fopius rufotestaceus (GRANGER 1949): WHARTON 1997: 18 (tax.), 33 (tax.).

Fopius rufotestaceus (GRANGER 1949): WHARTON 1999: 50 (table 1: tax.), 54.

Biosteres rufotestaceus GRANGER 1949: FISCHER 1999: 314 (key).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Tsinoarivo – Prov. Toamasina: Andasibe (Perinet), Andekaleka (Rogez).

Endemic.

Genus *Opius* WESMAEL 1835 (including *Utetes* FOERSTER 1862 partim)

Distribution: All zoogeographical regions.

Valid species: 23.

As the genus *Utetes* has been redefined by WHARTON (1997) recently, the generic placement of several species, e. g. *Opius alutaceus* GRANGER, *O. mediorufus* GRANGER, *O. melanagromyzae* FISCHER and *O. subangulatus* GRANGER should be checked, because the typical character of *Utetes* sensu Wharton (hind tibia carinate basally) was unknown to M. Fischer, when studying the types of Malagasy species.

***Opius (Hoenirus) acuminatus* GRANGER 1949**

Opius acuminatus nov.sp.: GRANGER 1949: 380 (key), 381 (descr. ♂ ♀, Madagascar), 382 (figs 386, 392).

Opius (Opius) acuminatus GRANGER 1949: FISCHER 1963a: 197 (key, tax., descr. ♂ ♀), Madagascar, 198 (figs 1-3).

Opius acuminatus GRANGER 1949: FISCHER 1968: 151 (key).

Opius acuminatus GRANGER 1949: FISCHER 1971c: 39 (cat.).

Opius (Hoenirus) acuminatus GRANGER 1949: FISCHER 1971d: 389 (tax., key).

Opius acuminatus GRANGER 1949: PAPP 1985: 210 (cat.).

Opius (Hoenirus) acuminatus GRANGER 1949: FISCHER 1987: 22 (key), 23 (descr. ♂ ♀, figs 11-13, Madagascar).

Opius (Hoenirus) acuminatus GRANGER 1949: FISCHER 1996: 678 (key, descr. ♂ ♀, Madagascar), 714 (figs 6-11).

Distribution: Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Known from the Ethiopian Region.

***Opius (Utetes) alutaceus* GRANGER 1949**

Opius alutaceus nov.sp.: GRANGER 1949: 380 (key), 382 (fig. 394), 384 (descr. ♀, Madagascar).

Opius (Opius) alutaceus GRANGER 1949: FISCHER 1963a: 213 (key), 214 (tax., descr. ♀, Madagascar), 215 (fig. 14).

Opius alutaceus GRANGER 1949: FISCHER 1968: 154 (key).

Opius alutaceus GRANGER 1949: FISCHER 1971c: 42 (cat.).

Opius (Utetes) alutaceus GRANGER 1949: FISCHER 1971d: 393 (tax., key).

Opius (Utetes) alutaceus GRANGER 1949: FISCHER 1973: 244 (key).

Opius alutaceus GRANGER 1949: PAPP 1985: 210 (cat.).

Opius (Utetes) alutaceus GRANGER 1949: FISCHER 1987: 166 (key), 172 (descr. ♀, Madagascar), 173 (fig. 132).

Opius (Utetes) alutaceus GRANGER 1949: FISCHER 1988: 871 (key).

Opius (Utetes) alutaceus GRANGER 1949: KURHADE & NIKAM 2001: not seen.

Distribution: Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Endemic.

***Opius (Nosopoea) ankaratrensis* FISCHER 1963**

Opius (Opius) ankaratrensis nov.nom.: FISCHER 1963c: 669 (key, tax., descr. ♀, Madagascar), 670 (fig. 19).

Opius (Nosopoea) ankaratrensis FISCHER 1963: FISCHER 1971a: 123 (tax., key), 126 (key).

Opius ankaratrensis FISCHER 1963: FISCHER 1971c: 43 (cat.).

Opius ankatrensis (sic) FISCHER 1963: PAPP 1985: 210 (cat.).

Opius (Nosopoea) ankaratrensis FISCHER 1963: FISCHER 1987: 267 (key, descr. ♀, fig. 223, Madagascar).

Opius funebris nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 398), 389 (descr. ♀, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Endemic.

***Opius (Hoenirus) atatananensis* FISCHER 1996**

Opius (Hoenirus) atatananensis nov.sp.: FISCHER 1996: 678 (key), 680 (descr. ♀, Madagascar), 715 (figs 12-16).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Nosy Boraha (Sainte Marie).

Endemic.

***Opius (Hoenirus) brevicaudatus* GRANGER 1949**

Opius brevicaudatus nov.sp.: GRANGER 1949: 380 (key), 382 (fig. 391), 383 (descr. ♀, Madagascar).

Opius (Opius) brevicaudatus GRANGER 1949: FISCHER 1963a: 197 (key), 199 (tax., descr. ♀, Madagascar), 200 (fig. 4).

Opius brevicaudatus GRANGER 1949: FISCHER 1968: 151 (key).

Opius brevicaudatus GRANGER 1949: FISCHER 1971c: 48 (cat.).

Opius (Hoenirus) brevicaudatus GRANGER 1949: FISCHER 1971d: 389 (tax., key).

Opius brevicaudatus GRANGER 1949: PAPP 1985: 210 (cat.).

Opius (Hoenirus) brevicaudatus GRANGER 1949: FISCHER 1987: 22 (key), 24 (descr. ♀, Madagascar), 25 (fig. 14).

Opius (Hoenirus) brevicaudatus GRANGER 1949: FISCHER 1996: 678 (key), 682 (descr. ♀, Madagascar), 716 (figs 17-22).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Mandraka.

Known from the Ethiopian Region.

***Opius (Nosopoea) circumscriptus* SZÉPLIGETI 1914**

Opius circumscriptus SZÉPLIGETI in litt.: SZÉPLIGETI 1913: 428 (Madagascar).

Opius circumscriptus SZÉPLIGETI 1914: BRUES 1926: 386 (cat., Madagascar).

Opius circumscriptus SZÉPLIGETI 1914: GRANGER 1949: 381 (key), 387 (fig. 400), 388 (descr. ♀, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Nosy Boraha (Sainte Marie).

Known from the Ethiopian Region.

Not mentioned in FISCHER (1987).

***Opius (Grimnirus) congoensis* FISCHER 1968**

Opius congoensis nov.sp.: FISCHER 1968: 153 (key), 163 (descr. ♂ ♀, Madagascar).

Opius congoensis FISCHER 1968: FISCHER 1971c: 56 (cat., Madagascar not mentioned).

Opius (Grimnirus) congoensis FISCHER 1968: FISCHER 1971d: 391 (tax., key).

Opius (Grimnirus) congoensis FISCHER 1968: FISCHER 1973: 242 (key).

Opius (Grimnirus) congoensis FISCHER 1968: FISCHER 1983: 222 (key).

Opius (Grimnirus) congoensis FISCHER 1968: FISCHER 1987: 73 (key), 76 (descr. ♂ ♀, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Known from the Ethiopian Region.

***Opius (Frekius) contrarius* FISCHER 1963**

- Opius (Opius) contrarius* nov.sp.: FISCHER 1963a: 197 (key), 203 (descr. ♂, fig. 6, Madagascar).
Opius contrarius FISCHER 1963: FISCHER 1968: 152 (key).
Opius contrarius FISCHER 1963: FISCHER 1971c: 57 (cat.).
Opius (Frekius) contrarius FISCHER 1963: FISCHER 1971d: 390 (tax., key).
Opius (Frekius) contrarius FISCHER 1963: FISCHER 1983: 233 (key).
Opius contrarius FISCHER 1963: PAPP 1985: 211 (cat.).
Opius (Frekius) contrarius FISCHER 1963: FISCHER 1987: 50 (key), 52 (descr. ♂, fig. 36, Madagascar).
Opius (Frekius) contrarius FISCHER 1963: FISCHER 2004: 315 (key).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Endemic.

***Opius (Phaedrotoma) gregnar* WHARTON 1987**

- Opius gregnar* nov.nom.: WHARTON 1987: 66 (tax.).
Opius minutus nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 399), 390 (descr. ♀, Madagascar).
Opius (Opius) minutus GRANGER 1949: FISCHER 1963c: 702 (key), 716 (descr. ♀, fig. 51, Madagascar).
Opius minutus GRANGER 1949: FISCHER 1971c: 88 (cat.).
Opius (Phaedrotoma) minutus GRANGER 1949: FISCHER 1972a: 34 (tax., key).
Opius minutus GRANGER 1949: PAPP 1985: 212 (cat.).
Opius (Phaedrotoma) minutus GRANGER 1949: FISCHER 1987: 481 (key), 502 (descr. ♀, Madagascar), 503 (fig. 418).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Andasibe (Perinet).

Endemic.

The record from Cameroon (FISCHER 1963c: 716) is a printing error.

***Opius (Gastrosema) importatus* FISCHER 1971**

- Opius importatus* FISCHER 1971: FISCHER 1974: 235 (Madagascar).
Opius (Gastrosema) importatus FISCHER 1971: FISCHER 1987: 411 (key), 423 (descr. ♂ ♀, fig. 342).
Opius (Gastrosema) importatus FISCHER 1971: FISCHER 1997: 123 (key).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Known from the Ethiopian Region. Introduced into Hawaii for biological control and established.

***Opius (Mimiropius) ivondroensis* FISCHER 1968**

- Opius ivondroensis* nov.sp.: FISCHER 1968: 152 (key), 173 (descr. ♀, Madagascar), 174 (figs 17-19).
Opius ivondroensis FISCHER 1968: FISCHER 1971c: 78 (cat.).
Opius (Mimirus) ivondroensis FISCHER 1968: FISCHER 1971d: 390 (tax., key).
Opius ivondroensis FISCHER 1968: PAPP 1985: 211 (cat.).
Opius (Mimiropius) ivondroensis FISCHER 1968: FISCHER 1987: 34 (key), 42 (tax., descr. ♀, Madagascar), 43 (figs 25-27).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Ivondro.

Endemic.

***Opius (Nosopoea) major* SZÉPLIGETI 1914**

Opius major SZÉPLIGETI 1914: GRANGER 1949: 381 (key), 387 (fig. 402), 388 (descr. ♂ ♀, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Bekily.

Known from the Ethiopian Region.

Not mentioned in FISCHER (1987).

***Opius (Utetes) mediorufus* GRANGER 1949**

Opius mediorufus nov.sp.: GRANGER 1949: 380 (key), 382 (fig. 395), 384 (descr. ♀, Madagascar).

Opius (Opius) mediorufus GRANGER 1949: FISCHER 1963a: 213 (key), 664 (tax., descr. ♀, Madagascar), 665 (fig. 18).

Opius mediorufus GRANGER 1949: FISCHER 1968: 154 (key).

Opius mediorufus GRANGER 1949: FISCHER 1971c: 86 (cat.).

Opius (Utetes) mediorufus GRANGER 1949: FISCHER 1971d: 393 (tax., key).

Opius (Utetes) mediorufus GRANGER 1949: FISCHER 1973: 244 (key).

Opius mediorufus GRANGER 1949: PAPP 1985: 212 (cat.).

Opius (Utetes) mediorufus GRANGER 1949: FISCHER 1987: 166 (key), 209 (descr. ♀, Madagascar), 210 (fig. 162).

Opius (Utetes) mediorufus GRANGER 1949: FISCHER 1988: 871 (key).

Opius (Utetes) mediorufus GRANGER 1949: KURHADE & NIKAM 2001: not seen.

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Endemic.

***Opius (Merotrachys) melanagromyzae* FISCHER 1966**

Opius melanagromyzae nov.sp.: FISCHER 1966: 229 (descr. ♂ ♀, biol., Madagascar), 231 (figs 4, 5).

Opius melanagromyzae FISCHER 1966: GREATHEAD 1969: 559 (table 4: biol., Madagascar, Mauritius).

Opius melanagromyzae FISCHER 1966: ANONYMUS (det. Fischer) 1971: 16 (Madagascar).

Opius melanagromyzae FISCHER 1966: FISCHER 1971b: 10 (tax., Mauritius (?)).

Opius melanagromyzae FISCHER 1966: FISCHER 1971c: 86 (tax., cat.), 141 (cat., biol.).

Opius (Merotrachys) melanagromyzae FISCHER 1966: FISCHER 1972a: 34 (tax., key).

Opius melanagromyzae FISCHER 1966: WILLIAMS 1974: 4 (cat., Mauritius).

Opius melanagromyzae FISCHER 1966: WILLIAMS 1980: 5 (cat., Mauritius).

Opius melanagromyzae FISCHER 1966: PAPP 1985: 212 (cat.).

Opius (Merotrachys) melanagromyzae FISCHER 1966: FISCHER 1987: 517 (key), 525 (tax., descr. ♂ ♀, Madagascar, Mauritius), 526 (figs 438, 439).

Utetes (Merotrachys) melanagromyzae (FISCHER 1966): FISCHER 1998: 34 (tax., key).

Opius melanagromyzae FISCHER 1966: GANESHAN & WILLIAMS 2001: 7 (cat., Mauritius).

Opius liogaster SZÉPLIGETI 1914: MOUTIA 1934: 425 (biol., Mauritius).

Opius liogaster SZÉPLIGETI 1914: MOUTIA & MAMET 1947: 28 (cat., Mauritius).

Opius liogaster SZÉPLIGETI 1914: WILLIAMS 1958: 112 (cat., Mauritius).

Opius (Lissosema) liogaster SZÉPLIGETI 1914: FISCHER 1987: 461 (? Mauritius).

Opius liogaster SZÉPLIGETI 1914: RECKHAUS 1987: 241 (biol., Madagascar).

Host: *Melanagromyza phaseoli* VANSCHUYTBROECK 1951 (Diptera: Agromyzidae).

D i s t r i b u t i o n : Madagascar: Prov. Fianarantsoa: Massif de l'Isalo (Miandrivazo) – Mauritius.

Known from the Ethiopian Region.

Introduced into Madagascar and Mauritius for biological control and established.

***Opius (Pleurosema) nigrobrunneus* GRANGER 1949**

Opius nigrobrunneus nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 407), 392 (descr. ♀, Madagascar).

Opius (Opius) nigrobrunneus GRANGER 1949: FISCHER 1963c: 696 (key), 698 (tax., descr. ♀, Madagascar), 699 (fig. 33).

Opius nigrobrunneus GRANGER 1949: FISCHER 1971c: 91 (cat.).

Opius (Pleurosema) nigrobrunneus GRANGER 1949: FISCHER 1972a: 6 (tax., cat.).

Opius (Pleurosema) nigrobrunneus GRANGER 1949: FISCHER 1972b: 32 (cat.).

Opius nigrobrunneus GRANGER 1949: PAPP 1985: 212 (cat.).

Opius (Pleurosema) nigrobrunneus GRANGER 1949: FISCHER 1987: 456 (descr. ♀, fig. 369, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Toliara: Bekily.

Endemic.

***Opius (Gastrosema) petiolatus* GRANGER 1949**

Opius petiolatus nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 406), 392 (descr. ♀, Madagascar).

Opius (Opius) petiolatus GRANGER 1949: FISCHER 1963c: 696 (key), 700 (tax., descr. ♀, Madagascar), 701 (fig. 34).

Opius petiolatus GRANGER 1949: FISCHER 1971c: 98 (cat.).

Opius (Gastrosema) petiolatus GRANGER 1949: FISCHER 1972a: 5 (tax., key), 19 (key).

Opius (Gastrosema) petiolatus GRANGER 1949: FISCHER 1972d: 338 (key).

Opius petiolatus GRANGER 1949: PAPP 1985: 212 (cat.).

Opius (Gastrosema) petiolatus GRANGER 1949: FISCHER 1987: 410 (key), 440 (descr. ♀, fig. 354, Madagascar).

Opius (Gastrosema) petiolatus GRANGER 1949: FISCHER 1997: 121 (key).

D i s t r i b u t i o n : Madagascar: Prov. Fianarantsoa: Fianarantsoa.

Endemic.

***Opius (Baeocentrum) pusillus* SZÉPLIGETI 1913**

Opius pusillus nov.sp.: SZÉPLIGETI 1913: 427 (descr. ♂, Madagascar).

Opius pusillus SZÉPLIGETI 1913: BRUES 1926: 388 (cat., Madagascar).

Opius pusillus SZÉPLIGETI 1913: GRANGER 1949: 380 (key), 385 (descr. ♂, Madagascar).

Opius (Baeocentrum) pusillus SZÉPLIGETI 1913: WHARTON 1987: 62 (tax.).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Fenoarivo.

Known from the Ethiopian Region.

Not mentioned in FISCHER (1987 and 1995a).

***Opius (Grimnirus) rugisternum* FISCHER 1995**

Opius (Grimnirus) rugisternum nov.sp.: FISCHER 1995b: 224 (descr. ♀, Madagascar), 225 (fig. 6).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Nosy Boraha (Sainte Marie).

Endemic.

***Opius (Frekius) subangulatus* GRANGER 1949**

Opius subangulatus nov.sp.: GRANGER 1949: 380 (key), 381 (key), 382 (fig. 388), 386 (descr. ♂ ♀, Madagascar), 387 (fig. 397).

Opius (Opius) subangulatus GRANGER 1949: FISCHER 1963a: 197 (key), 210 (tax., descr. ♂ ♀, Madagascar).

Opius subangulatus GRANGER 1949: FISCHER 1968: 152 (key).

Opius subangulatus GRANGER 1949: FISCHER 1971c: 114 (cat.).

Opius (Frekius) subangulatus GRANGER 1949: FISCHER 1971d: 390 (tax., key).

Opius (Frekius) subangulatus GRANGER 1949: FISCHER 1983: 233 (key).

Opius subangulatus GRANGER 1949: PAPP 1985: 212 (cat.).

Opius (Frekius) subangulatus GRANGER 1949: FISCHER 1987: 50 (key), 60 (descr. ♂ ♀, Madagascar).

Opius (Frekius) subangulatus GRANGER 1949: FISCHER 2004: 315 (key).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Antananarivo, Massif de l'Ankaratra.

Endemic.

***Opius (Nosopoea) testaceiventris* GRANGER 1949**

Opius testaceiventris nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 403), 389 (descr. ♀, Madagascar).

Opius (Opius) testaceiventris GRANGER 1949: FISCHER 1963c: 669 (key), 673 (tax., descr. ♀, Madagascar), 674 (fig. 23).

Opius (Nosopoea) testaceiventris GRANGER 1949: FISCHER 1971a: 123 (key), 126 (key).

Opius testaceiventris GRANGER 1949: FISCHER 1971c: 116 (cat.).

Opius testaceiventris GRANGER 1949: FISCHER 1971d: 393 (key), 126 (key).

Opius testaceiventris GRANGER 1949: PAPP 1985: 213 (cat.).

Opius (Nosopoea) testaceiventris GRANGER 1949: FISCHER 1987: 267 (key), 281 (descr. ♀, fig. 233, Madagascar).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Endemic.

***Opius (Gastrosema) torulatus* FISCHER 1972**

Opius (Gastrosema) torulatus nov.sp.: FISCHER 1972d: 339 (key), 353 (descr. ♂, Madagascar), 354 (figs 12-14).

Opius torulatus FISCHER 1972: PAPP 1985: 213 (cat.).

Opius (Gastrosema) torulatus FISCHER 1972: FISCHER 1987: 410 (key), 446 (descr. ♂, Madagascar), 447 (figs 359-361).

Opius (Gastrosema) torulatus FISCHER 1972: FISCHER 1997: 122 (key).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Mandraka.

Endemic.

***Opius (Gastrosema) waterloti* GRANGER 1949**

Opius waterloti nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 401), 392 (descr. ♀, Madagascar).

Opius (Opius) waterloti GRANGER 1949: FISCHER 1963c: 702 (key), 721 (tax., descr. ♀, fig. 55, Madagascar).

Opius waterloti GRANGER 1949: FISCHER 1971c: 122 (cat.).

Opius (Merotrachys) waterloti GRANGER 1949: FISCHER 1972a: 35 (key).

Opius waterloti GRANGER 1949: PAPP 1985: 213 (cat.).

Opius (Merotrachys) waterloti GRANGER 1949: FISCHER 1987: 517 (key), 534 (descr. ♀, fig. 447, Madagascar).

Opius (Gastrosema) waterloti GRANGER 1949: FISCHER 1997: 123 (key), 125 (descr. ♀, Madagascar), 126 (figs 6, 7).

Distribution and new records: Madagascar: Prov. Antananarivo: near Antananarivo – Réunion: La Bretagne 1 ♀ 15.3.1976 leg. J. Etienne (NHMW).

Endemic to the Malagasy Subregion.

New to the fauna Réunion.

Genus *Pseudorhinoplus* FISCHER 1972

Distribution: Ethiopian Region.

Valid species: 2.

***Pseudorhinoplus sulphureus* (SZÉPLIGETI 1913)**

Opius sulphureus nov.sp.: SZÉPLIGETI 1913: 428 (descr. ♀, Madagascar).

Biosteres sulphureus (SZÉPLIGETI 1913): BRUES 1926: 388 (cat., Madagascar).

Biosteres sulphureus (SZÉPLIGETI 1913): GRANGER 1949: 394 (key), 395 (descr. ♀, fig. 409, Madagascar).

Opius sulphureus SZÉPLIGETI 1913: FISCHER 1961: 48 (comb., descr. ♀, Madagascar), 49 (figs 26, 27).

Opius (Biosteres) sulphureus SZÉPLIGETI 1913: FISCHER 1963c: 723 (key), 742 (cat.).

Biosteres sulphureus (SZÉPLIGETI 1913): FISCHER 1971c: 31 comb., (cat.).

Biosteres sulphureus (SZÉPLIGETI 1914 (sic)): PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) sulphureus (SZÉPLIGETI 1913): FISCHER 1987: 577 (key), 636 (descr. ♀, figs 527, 528, Madagascar).

Pseudorhinoplus sulphureus (GRANGER 1949) (sic): WHARTON 1997: 21 (comb.).

Distribution: Madagascar: Prov. Antsiranana: Antsiranana (Diego-Suarez) – Prov. Antananarivo: Antananarivo – Prov. Toamasina: Andekaleka (Rogez) – Prov. Toliara: Ranomafana.

Endemic.

***Pseudorhinoplus variegatus* (GRANGER 1949) new combination**

Biosteres sulphureus variegatus n.var.: GRANGER 1949: 396 (descr. ♂, Madagascar).

Biosteres sulphureus variegatus GRANGER 1949: FISCHER 1961: 50 (tax.).

Opius (Biosteres) seyrigi nov.nom.: FISCHER 1963c: 723 (key), 739 (descr. ♂, Madagascar), 740 (fig. 63).

Biosteres seyrigi (FISCHER 1963): FISCHER 1971c: 30 (cat.).

Biosteres seyrigi (FISCHER 1963): PAPP 1985: 213 (cat.).

Biosteres (Chilotrichia) seyrigi (FISCHER 1963): FISCHER 1987: 577 (key), 630 (descr. ♂, Madagascar), 631 (fig. 524).

Distribution: Madagascar: Prov. Antananarivo: Massif de l'Ankaratra – Prov. Fianarantsoa: Ambositra.

Endemic.

The replacement name by FISCHER (1963c) is unjustified.

Genus *Psytalia* WALKER 1860

Distribution: Ethiopian, Oriental and Palearctic Region.

Valid species: 9.

***Psytalia cosyrae* (WILKINSON 1927)**

Opius (*Psytalia*) *cosyrae* WILKINSON 1927: FISCHER 1987: 305 (key), 313 (descr. ♂ ♀, Réunion (= Mayotte !), 314 (figs 248-252).

Distribution and new records: Mayotte: 7♂♂ 2♀♀ ex *Dacus* sp. Juni 1976 leg J. Etienne (NHMW).

Known from the Ethiopian Region.

FISCHER (1987) recorded it from Réunion, because "Réunion, Mayotte" is indicated on the label.

***Psytalia distinguenda* (GRANGER 1949)**

Opius distinguendus nov.sp.: GRANGER 1949: 380 (key), 382 (fig. 390), 386 (descr. ♂ ♀, Madagascar).

Opius (*Opius*) *distinguendus* GRANGER 1949: FISCHER 1963c: 679 (key), 681 (tax., descr. ♀, Madagascar), 682 (fig. 28a).

Opius distinguendus GRANGER 1949: FISCHER 1971c: 62 (cat.).

Opius (*Phlebosema*) *distinguendus* GRANGER 1949: FISCHER 1972a: 4 (tax., key).

Opius (*Phlebosema*) *distinguendus* GRANGER 1949: FISCHER 1972b: 30 (key).

Opius distinguendus GRANGER 1949: PAPP 1985: 211 (cat.).

Opius (*Phlebosema*) *distinguendus* GRANGER 1949: FISCHER 1987: 390 (key), 395 (descr. ♂ ♀, fig. 315, Madagascar).

Opius (*Baeocentrum*) *distinguendus* GRANGER 1949: FISCHER 1995a: 85 (tax., key).

Psytalia distinguenda (GRANGER 1949): WHARTON 1997: 23 (comb.).

Psytalia distinguenda (GRANGER 1949): WHARTON et al. 1999: 86 (tax., figs 1, 2, biol., Madagascar, Réunion).

Psytalia distinguenda (GRANGER 1949): QUILICI, VINCENOT & FRANCK 2003: 129 (biol., Réunion), 154 (cat., Réunion), 156 (cat., biol.).

Host: *Ceratitis capitata* (WIEDEMANN) (Diptera: Tephritidae).

Distribution: Madagascar: Prov. Toamasina: Andekaleka (Rogez) — Réunion: Carron, Etang-Sale, Moka, Sainte Suzanne.

Endemic to the Malagasy Subregion.

***Psytalia fletcheri* (SILVESTRI 1916)**

Psytalia fletcheri (SILVESTRI): HURTREL et al. 1999: 443 (biol.).

Psytalia fletcheri (SILVESTRI): VAYSSIÈRE et al. 2001: 9 (biol., Réunion), 17 (annexe 3: biol.).

Psytalia fletcheri (SILVESTRI): QUILICI, VINCENOT & FRANCK 2003: 136 (biol., photo 158, Réunion), 154 (cat.).

Psytalia fletcheri (SILVESTRI): QUILICI et al. 2004: 457 (biol., Réunion), 458 (figs 1A, B (maps)), 459 (table 1).

Hosts: *Bactrocera cucurbitae* (COQUILLET), *Ceratitis capitata* (WIEDEMANN), *Dacus ciliatus* (Diptera: Tephritidae).

Distribution: Réunion.

Known from the Oriental and Australian Region.

Introduced into Réunion for biological control and established.

***Psytalia hypopygialis* (SZÉPLIGETI 1913)**

- Opius hypopygialis* nov.sp.: SZÉPLIGETI 1913: 428 (descr. ♀, Madagascar).
Opius hypopygialis SZÉPLIGETI 1913: BRUES 1926: 387 (cat., Madagascar).
Opius hypopygialis SZÉPLIGETI 1913: GRANGER 1949: 381 (key), 393 (descr. ♀, Madagascar).
Opius hypopygialis SZÉPLIGETI 1913: FISCHER 1961: 30 (descr. ♀, Madagascar), 31 (fig. 15).
Opius (Opius) hypopygialis SZÉPLIGETI 1913: FISCHER 1963c: 696 (key), 698 (tax., cat.).
Opius hypopygialis SZÉPLIGETI 1913: FISCHER 1971c: 74 (cat.).
Opius (Psytalia) hypopygialis SZÉPLIGETI 1913: FISCHER 1972a: 4 (tax., key).
Opius (Psytalia) hypopygialis SZÉPLIGETI 1913: FISCHER 1972c: 254 (key).
Opius hypopygialis SZÉPLIGETI 1913: PAPP 1985: 211 (cat.).
Opius (Psytalia) hypopygialis SZÉPLIGETI 1914: FISCHER 1987: 306 (key), 326 (descr. ♀, Madagascar), 327 (fig. 260).
Psytalia hypopygialis (SZÉPLIGETI 1914): QUICKE, van ACHTERBERG & GODFRAY 1997: 25 (comb.).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Nosy Boraha (Sainte Marie).

Known from the Ethiopian Region.

***Psytalia infuscata* (GRANGER 1949) new combination**

- Opius infuscatus* nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 405), 391 (descr. ♀, Madagascar).
Opius (Opius) infuscatus GRANGER 1949: FISCHER 1963c: 687 (key), 689 (descr. ♀, Madagascar), 690 (fig. 29).
Opius infuscatus GRANGER 1949: FISCHER 1971c: 76 (cat.).
Opius (Psytalia) infuscatus GRANGER 1949: FISCHER 1972a: 3 (tax., key).
Opius (Psytalia) infuscatus GRANGER 1949: FISCHER 1972c: 253 (key).
Opius infuscatus GRANGER 1949: PAPP 1985: 211 (cat., Madagascar).
Opius (Psytalia) infuscatus GRANGER 1949: FISCHER 1987: 306 (key), 330 (descr. ♀, Madagascar), 331 (fig. 266).

D i s t r i b u t i o n : Madagascar: Prov. Antananarivo: Massif de l'Ankaratra.

Endemic.

***Psytalia insignipennis* (GRANGER 1949)**

- Opius insignipennis* nov.sp.: GRANGER 1949: 379 (fig. 385), 380 (key), 382 (fig. 387, 389), 385 (descr. ♂ ♀, Madagascar).
Opius sp.: WILLIAMS 1958: 112 (biol., Mauritius).
Opius near *insignipennis* GRANGER 1949: ORIAN & MOUTIA 1960: 144 (biol., Mauritius), 149 (biol.).
Opius insignipennis GRANGER 1949: PAULIAN 1961: 199 (biol., Madagascar).
Austroopius insignipennis (GRANGER 1949): FISCHER 1963a: 174 (key), 179 (comb., descr. ♂ ♀, Madagascar), 180 (figs 5, 6).
Austroopius insignipennis (GRANGER 1949): ANONYMUS (det. Fischer) 1963: 338 (biol., Madagascar), 367 (biol., Madagascar).
Austroopius insignipennis (GRANGER 1949): FISCHER 1963b: 745 (cat.).
Austroopius insignipennis (GRANGER 1949): BRÉNIÈRE 1965: 349 (cat., Madagascar).
Austroopius insignipennis (GRANGER 1949): DUBOIS 1965: not seen.
Austroopius insignipennis (GRANGER 1949): FISCHER 1971c: 124 (cat.), 136 (cat.).
Opius insignipennis GRANGER 1949: ETIENNE 1973 not seen.

- Austroopius ? insignipennis* GRANGER 1949: WILLIAMS 1974: 3 (cat., Mauritius).
Austroopius ? insignipennis GRANGER 1949: WILLIAMS 1980: 3 (cat., Mauritius).
Opius insignipennis GRANGER 1949: ETIENNE 1982 not seen.
Austroopius insignipennis GRANGER 1949: PAPP 1985: 213 (cat.), 214 (cat.).
Austroopius insignipennis GRANGER 1949: FISCHER 1987: 551 (key), 556 (descr. ♂ ♀, figs 465, 466, Madagascar), 725 (cat.).
Austroopius insignipennis GRANGER 1949: RECKHAUS 1997: 357 (biol., Madagascar).
Psytalia insignipennis (GRANGER 1949): WHARTON 1997: 30 (comb., cat.).
Psytalia insignipennis (GRANGER 1949): WHARTON et al. 1999: 87 (tax., figs 3, 4, biol., Mauritius, Réunion).
Psytalia insignipennis (GRANGER 1949): GANESHAN & WILLIAMS 2001: 7 (cat., Mauritius).
Psytalia insignipennis (GRANGER 1949): QUILICI, VINCENOT & FRANCK 2003: 129 (biol., photo 152, Réunion), 154 (cat.), 156 (cat., biol.), 158 (cat., biol.).
Psytalia insignipennis (GRANGER 1949): STIBBICK 2004: 50 (cat.).

Hosts: *Ceratitidis capitata* (WIEDEMANN), *C. catoirii* (GUÉRIN-MÉNEVILLE), *Neoceratitidis cyanescens* (BEZZI) (Diptera: Tephritidae).

Distribution and new records: Madagascar: Prov. Antsiranana: Antsiranana (Diego-Suarez) – Prov. Antananarivo: Antananarivo, Mandraka – Prov. Toliara: Bekily – Réunion: Saint Gilles les Hauts (Musée de Villele) – Sainte Rose, ex *C. capitata* in cherries coffee 3 ♀ ♀ September 1974 leg. J. Etienne (NHMW) — Mauritius: Esperance, Mon Desert, Réduit.

Endemic to the Malagasy Subregion. PAPP (1985: 187) recorded *Psytalia insignipennis* from Singapore, but the material (Hungarian Natural History Museum in Budapest) should be checked for verification.

***Psytalia phaeostigma* (WILKINSON 1927)**

- Opius phaeostigma* WILKINSON 1927: MOUTIA 1936: 68 (biol., Mauritius).
Opius phaeostigma WILKINSON 1927: MOUTIA 1937: 240 (biol., Mauritius).
Opius phaeostigma WILKINSON 1927: MOUTIA 1938: 602 (biol., Mauritius).
Opius phaeostigma WILKINSON: CAMERON 1941: 15 (cat., Mauritius).
Opius phaeostigma WILKINSON 1927: MOUTIA & MAMET 1946: 465 (biol., Mauritius not established).
Opius phaeostigma WILKINSON 1927: MOUTIA & MAMET 1947: 28 (Mauritius not established).
Opius phaeostigma WILKINSON 1927: THOMPSON 1953: 170 (cat., Mauritius).
Opius phaeostigma WILKINSON 1927: FISCHER 1971: 3 (key).
Opius (Psytalia) phaeostigma WILKINSON 1927: FISCHER 1972b: 253 (tax., key).
Opius phaeostigma WILKINSON 1927: WHARTON & GILSTRAP 1983: 724 (cat., biol.), 727 (key), 740 (tax., biol., Mauritius not established).
Opius (Psytalia) phaeostigma WILKINSON 1927: FISCHER 1987: 305 (key), 346 (descr. ♂ ♀, Réunion), 347 (figs 278-282).

Hosts: *Dacus ciliatus* LOEW, *D. demmerezi* BEZZI (Diptera: Tephritidae).

Distribution and new records: Mayotte: P. 359, 4 ♀ ♀ ex *Dacus* sp. (NHMW) — Madagascar: Nosy Boraha (Sainte Marie): Forêt de Kalalao 1 ♀ 23.-26.10.1992, 1 ♀ 11.-25.11.1993 leg. Madl (NHMW) – Fluß Manandriana 1 ♀ 3.-7.12.1993 leg. Madl (NHMW) — Réunion: Entre Deux, ex *C. capitata* in cherries coffee 14 ♂ ♂ 39 ♀ ♀ August 1974 leg. J. Etienne (NHMW) – Gol les Hauts, ex puparia of *C. capitata* 1 ♀ August 1974 leg. J. Etienne (NHMW) – Sainte Rose, ex *C. catoirii* 1 ♂ 1 ♀ 19.8.1971 leg. J. Etienne (NHMW).

Known from the Ethiopian Region.

Introduced into Réunion and Mauritius for biological control, but only established in Réunion. New to the fauna of Mayotte and Madagascar.

***Psytalia sanctamariana* (FISCHER 1980)**

Opius (Psytalia) sanctamarianus nov.sp.: FISCHER 1980: 153 (descr. ♀, fig. 9, biol., Réunion).

Opius sanctamarianus FISCHER 1979 (sic): PAPP 1985: 212 (cat.).

Opius (Psytalia) sanctamarianus FISCHER 1980: FISCHER 1987: 306 (key), 358 (descr. ♀, fig. 288, biol., Réunion).

Psytalia sanctamarianus (FISCHER 1980): FISCHER 1998: 33 (tax., key).

H o s t : *Spathulina acroleuca* (SCHINER) (Diptera: Tephritidae).

D i s t r i b u t i o n and new records: Réunion: Sainte Marie — Mauritius: road Belle Rive – L’Etoile, La Commune cross, near Grand Rivière Sud-Est 1 ♀ 17.12.2006 leg. M. Madl (NHMW).

Endemic to the Malagasy Subregion. New to the fauna of Mauritius.

***Psytalia subsulcata* (GRANGER 1949) new combination**

Opius subsulcatus nov.sp.: GRANGER 1949: 381 (key), 387 (fig. 404), 390 (descr. ♀, Madagascar).

Opius (Opius) subsulcatus GRANGER 1949: FISCHER 1963c: 687 (key), 692 (key), 692 (tax., descr. ♀, 693 (fig. 30, Madagascar).

Opius subsulcatus GRANGER 1949: FISCHER 1971c: 114 (cat., Madagascar).

Opius (Psytalia) subsulcatus GRANGER 1949: FISCHER 1972a: 3 (tax., key).

Opius (Psytalia) subsulcatus GRANGER 1949: FISCHER 1972c: 253 (key).

Opius subsulcatus GRANGER 1949: PAPP 1985: 212 (cat.).

Opius (Psytalia) subsulcatus GRANGER 1949: FISCHER 1987: 306 (key), 361 (descr. ♀, Madagascar), 362 (fig. 291).

H o s t : *Spathulina acroleuca* (SCHINER) (Diptera: Tephritidae).

D i s t r i b u t i o n and new records: Madagascar: Prov. Toliara: Bekily — Réunion: La Bretagne, ex *Spathulina acroleuca* SCHINER 3 ♀ ♀ 2 ♂ ♂ 26.9.1972 leg. J. Etienne (NHMW).

Endemic to the Malagasy Subregion.

New to the fauna of Réunion. The record from the southern Palearctic Region (Jordania) published by PAPP (1982: 245) is probably a misidentification, but the material (Hungarian Natural History Museum in Budapest) should be checked.

Genus *Sternaulopius* FISCHER 1965

D i s t r i b u t i o n : Ethiopian Region.

Valid species: 1.

***Sternaulopius duplicatus* WHARTON 2006**

Sternaulopius duplicatus nov.sp.: WHARTON 2006: 338 (descr. ♂ ♀, Madagascar), 339 (figs. 33-35).

D i s t r i b u t i o n : Madagascar: Prov. Toamasina: Andasibe (Perinet).

Endemic.

Genus *Utetes* FOERSTER 1862

Distribution: All zoogeographical regions.

Valid species: 1.

Utetes (Frekius) castaneus GRANGER 1949

Opius castaneus nov.sp.: GRANGER 1949: 380 (key), 386 (descr. ♀, Madagascar), 387 (fig. 396).

Opius (Opius) castaneus GRANGER 1949: FISCHER 1963a: 197 (key), 201 (tax., descr. ♀, Madagascar), 202 (fig. 5).

Opius castaneus GRANGER 1949: FISCHER 1968: 152 (key).

Opius castaneus GRANGER 1949: FISCHER 1971c: 52 (cat.).

Opius (Frekius) castaneus GRANGER 1949: FISCHER 1971d: 390 (tax., key).

Opius (Frekius) castaneus GRANGER 1949: FISCHER 1983: 235 (key).

Opius castaneus GRANGER 1949: PAPP 1985: 210 (cat.).

Opius (Frekius) castaneus GRANGER 1949: FISCHER 1987: 50 (key, descr. ♀, Madagascar), 51 (fig. 35).

Opius (Frekius) castaneus GRANGER 1949: FISCHER 2004: 315 (key).

Opius (Frekius) castaneus GRANGER 1949: WHARTON 2006: 341 (comb.).

Distribution: Madagascar: Prov. Toamasina: Andasibe (Perinet).

Endemic.

Zusammenfassung

Die Unterfamilie Opiinae ist in der Madegassischen Unterregion derzeit mit neun Gattungen und 46 Arten vertreten. Folgende neue Kombinationen werden vorgeschlagen: *Psytalia infuscata* (GRANGER 1949), *P. subsulcata* (GRANGER 1949) und *Pseudorhinoplus variegatus* (GRANGER 1949). Neue Funddaten von *Diachasmimorpha fullawayi* (SILVESTRI 1914), *Fopius arisanus* (SONAN 1932), *Opius waterloti* GRANGER 1949, *Psytalia cosyrae* (WILKINSON 1927), *P. insignipennis* (GRANGER 1949), *P. sanctamariana* (FISCHER 1980) und *P. subsulcata* (GRANGER 1949) werden mitgeteilt.

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Addresses of the authors: Maximilian FISCHER
Internationales Institut für Entomologie
Naturhistorisches Museum
Burgring 7, A-1010 Wien, Österreich
E-mail: maximilian.fischer@chello.at

Michael MADL
Internationales Institut für Entomologie
Naturhistorisches Museum
Burgring 7, A-1010 Wien, Österreich
E-mail: michael.madl@nhm-wien.ac.at

Table 1: Distribution of Opiinae in the Malagasy Subregion.

Genus	Species	Mayotte	Madagascar	Réunion	Mauritius
<i>Aulonotus</i>	<i>grangeri</i> (FISCHER 1963)		•		
	<i>mandrakensis</i> (FISCHER 1968)		•		
<i>Bitomus</i>	<i>granulellus</i> FISCHER 1964				
<i>Diachasmimorpha</i>	<i>fullawayi</i> (SILVESTRI 1914)			•	•
	<i>insignis</i> (GRANGER 1949)		•		
	<i>longicaudata</i> (ASHMEAD 1905)		•		
<i>Fopius</i>	<i>arisanus</i> (SONAN 1932)		•	•	•
	<i>longicauda</i> (GRANGER 1949)		•		
	<i>rubrithorax</i> (GRANGER 1949)		•		
	<i>ruficornis</i> (GRANGER 1949)		•		
<i>Opius</i>	<i>rufotestaceus</i> (GRANGER 1949)		•		
	<i>acuminatus</i> GRANGER 1949		•		
	<i>alutaceus</i> GRANGER 1949		•		
	<i>ankaratrensis</i> FISCHER 1963		•		
	<i>atatananensis</i> FISCHER 1996		•		
	<i>brevicaudatus</i> GRANGER 1949		•		
	<i>circumscriptus</i> SZÉPLIGETI 1914		•		
	<i>congoensis</i> FISCHER 1968		•		
	<i>contrarius</i> FISCHER 1963		•		
	<i>gregnar</i> WHARTON 1987		•		
	<i>importatus</i> FISCHER 1971		•		
	<i>ivondroensis</i> FISCHER 1968		•		
	<i>major</i> SZÉPLIGETI 1914		•		
	<i>mediorufus</i> GRANGER 1949		•		
	<i>melanagromyzae</i> FISCHER 1966		•		
	<i>nigrobrunneus</i> GRANGER 1949		•		
	<i>petiolatus</i> GRANGER 1949		•		
	<i>pusillus</i> SZÉPLIGETI 1913		•		
	<i>rugisternum</i> FISCHER 1995		•		
	<i>subangulatus</i> GRANGER 1949		•		
<i>testaceiventris</i> Granger 1949		•			
<i>torulatus</i> FISCHER 1972		•			
<i>waterloti</i> GRANGER 1949		•	•		
<i>Pseudorhinoplus</i>	<i>sulphureus</i> (SZÉPLIGETI 1913)		•		
	<i>variegatus</i> (GRANGER 1949)		•		
<i>Psytallia</i>	<i>cosyrae</i> (WILKINSON 1927)	•			
	<i>distinguenda</i> (GRANGER 1949)		•	•	
	<i>fletcheri</i> (SILVESTRI 1916)			•	
	<i>hypopygialis</i> SZÉPLIGETI 1913)		•	•	
	<i>infuscata</i> (GRANGER 1949)		•		
	<i>insignipennis</i> (GRANGER 1949)		•	•	•
	<i>phaeostigma</i> (WILKINSON 1927)	•	•	•	
	<i>sanctamariana</i> (FISCHER 1980)			•	•
	<i>subsulcata</i> (GRANGER 1949)		•	•	
<i>Sternaulopius</i>	<i>duplicatus</i> WHARTON 2006		•		
<i>Utetes</i>	<i>castaneus</i> (GRANGER 1949)		•		

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Autor(en)/Author(s): Fischer Maximilian (Max), Madl Michael

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