

zoosystema

2020 • 42 • 7

“OUR PLANET REVIEWED” 2015

LARGE-SCALE BIOTIC SURVEY IN MITARAKA, FRENCH GUIANA

Edited by Julien TOUROULT



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Martina E. POCCO &
María Marta CIGLIANO

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Plateau forest at Mitaraka (French Guiana) (photo: Maurice Leponce). In medallion: *Cryptocloeus spatulicerca* Descamps, 1980 (photo: Sylvain Hugel).

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Diffusion – Publications scientifiques Muséum national d'Histoire naturelle
CP 41 – 57 rue Cuvier F-75231 Paris cedex 05 (France)
Tél.: 33 (0)1 40 79 48 05 / Fax: 33 (0)1 40 79 38 40
diff.pub@mnhn.fr / <http://sciencepress.mnhn.fr>

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ISSN (imprimé / print): 1280-9551 / ISSN (électronique / electronic): 1638-9387

The grasshoppers (Orthoptera, Acridomorpha) from the Mitaraka Mountain Range, French Guiana

Martina E. POCO
María Marta CIGLIANO

Centro de Estudios Parasitológicos y de Vectores (CEPAVE), CONICET-UNLP, Boulevard 120,
s/n entre av. 60 y calle 64, (1900) La Plata (Argentina)

División Entomología, Museo de La Plata, Universidad Nacional de La Plata,
(1900) La Plata (Argentina)

martinapocco@fcnym.unlp.edu.ar
cigliano@fcnym.unlp.edu.ar

Submitted on 5 July 2019 | Accepted on 15 October 2019 | Published on 10 March 2020

[urn:lsid:zoobank.org:pub:022A8FC0-C8EA-43C7-8B6D-F07360DB9333](https://doi.org/10.5252/zoosystema2020v42a7)

Pocco M. E. & Cigliano M. M. 2020. — The grasshoppers (Orthoptera, Acridomorpha) from the Mitaraka Mountain Range, French Guiana, in Touroult J. (ed.), "Our Planet Reviewed" 2015 large-scale biotic survey in Mitaraka, French Guiana. *Zoosystema* 42 (7): 105-114. <https://doi.org/10.5252/zoosystema2020v42a7>. <http://zoosystema.com/42/7>

ABSTRACT

A checklist of the grasshoppers (Orthoptera, Acridomorpha) collected during the expedition "Our Planet Reviewed" in 2015 to the Mitaraka Massif, French Guiana, is provided. Out of the 142 species of Acridomorpha known from this region, 23 species belonging to 22 genera, five families and nine subfamilies of Acridomorpha were registered herein. Additionally, *Schistocerca pallens* (Thunberg, 1815) and *Trybliophorus sulcatus* Descamps, 1981 were registered for the first time. An updated list of all the Acridomorpha recorded from French Guiana is also provided.

RÉSUMÉ

Les criquets (Orthoptera: Acridomorpha) du massif du Mitaraka, Guyane.

Une liste des criquets (Orthoptera, Acridomorpha) récoltés durant l'expédition « La Planète revisitée » en 2015 dans le massif du Mitaraka, en Guyane, est fournie. Parmi les 142 espèces d'Acridomorpha connues de cette région, 23 espèces appartenant à 22 genres, cinq familles et neuf sous-familles d'Acridomorpha y sont recensées. De plus, *Schistocerca pallens* (Thunberg, 1815) et *Trybliophorus sulcatus* Descamps, 1981 sont signalés pour la première fois. Une liste mise à jour de tous les Acridomorpha connus de Guyane est également fournie.

KEY WORDS

Neotropical region,
French Guiana,
Acridoidea,
faunistics,
new records.

MOTS CLÉS

Région néotropicale,
Guyane,
Acridoïde,
faunistique,
signalisations nouvelles.

INTRODUCTION

Except for a few originally described grasshopper species from French Guiana (Bruner 1906, 1920; Descamps 1976a, b; Amédégnato & Descamps 1978; Roberts & Carbonell 1979; Amédégnato & Poulin 1986, among others), the first study dealing with the Acridoidea MacLeay, 1821 fauna from this country was published by Descamps & Amedegnato (1970) based on materials collected by Balachowsky-Gruner under the “Mission of the Muséum national d’Histoire naturelle”, conducted in October-December of 1969. Herein, Descamps & Amédégnato (1970) described two new genera and 12 new species of grasshoppers for the country. Later, Descamps (1977, 1978, 1979, 1980) collected dendrophilous Acridomorpha from newly cut trees, between 20 and 30 meters tall, from two field trips to the forest of Haut-Oyapock (March-April 1976 and July-October 1977), and based on this material he described 16 new genera and 39 new species.

Since then, no major collecting survey of grasshopper species in French Guiana was carried out until 2015. This time, under the program “Our Planet Reviewed”, the Muséum national d’Histoire naturelle (MNHN, Paris, France) and Pro-Natura International NGO (France) conducted a new expedition to the Mitaraka Mountain Range in the south of the country. The program is part of the generalized biodiversity inventory approach “All Taxa Biodiversity Inventory” (Leponce *et al.* 2010). As described by Touroult *et al.* (2018), the surveyed area presented a mosaic of forested hills and inselbergs, with a wide variety of ecosystems. This expedition of short duration was focused mostly on the discovery of new species rather than on an inventory completeness (Touroult *et al.* 2018).

The objective of this paper is to provide a checklist of those grasshopper species collected during this expedition in the Mitaraka Mountain Range. In addition, an updated list of the Acridomorpha species recorded from French Guiana based on the available literature is provided herein.

MATERIAL AND METHODS

The Mitaraka Massif is located at the extreme south-west of the French Guiana ($2^{\circ}14'N$, $54^{\circ}27'W$), near the border with Suriname and Brazil. Collections of acridomorph (Orthoptera) insects were conducted from February 25 to March 26 2015, mostly by night active insect search in different vegetation (inselberg rock slabs, transition forest, swamp forest, slopes). Specimens collected were deposited in the collections of Muséum national d’Histoire naturelle (MNHN), France and Museo de La Plata (MLP), Argentina.

Photographs of alive specimens were taken by Sylvain Hugel (CNRS Strasbourg) during the survey.

Identifications were made based on the literature, on comparison with photos of type material and examination of previously identified specimens from French Guiana. Distribution information is based on the material examined, literature, and specimen records registered in the Orthoptera Species File (Cigliano *et al.* 2019).

RESULTS

REMARK

Twenty five species (including one morphospecies) and twenty two genera, five families and nine subfamilies of Acridomorpha were registered for the 114 specimens (56 males, 53 females and five nymphs) collected during this expedition. Two species (*Schistocerca pallens* (Thunberg, 1815) and *Trybliophorus sulcatus* Descamps, 1981) were recorded for the first time adding up to 144 species of Acridomorpha known for French Guiana (Table 1).

Order ORTHOPTERA Olivier, 1789

Superfamily ACRIDOIDEA MacLeay, 1821

Family ACRIDIDAE MacLeay, 1821

Subfamily CYRTACANTHACRIDINAE Kirby, 1910

Schistocerca pallens (Thunberg, 1815)

(Fig. 1A)

TYPE LOCALITY. — Southern America (without precision).

MATERIAL EXAMINED. — French Guiana • 3 ♂, 3 ♀; Tumuc-Humac, Mitaraka, “Savane Roche”; $2^{\circ}14'19.3''N$, $54^{\circ}26'04.9''W$; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 2 ♂, 1 ♀; (“C1000”) – (Savane roche); $2^{\circ}14'01.2''N$, $54^{\circ}26'30.8''W$; 415 m a.s.l. to $2^{\circ}14'19.2''N$, $54^{\circ}26'04.6''W$; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Widely distributed species from Mexico, Caribbean islands to northern Argentina. The first record for French Guiana.

Subfamily GOMPHOCERINAE Fieber, 1853

Orphulella punctata (De Geer, 1773)

TYPE LOCALITY. — Suriname.

MATERIAL EXAMINED. — French Guiana • 4 ♂, 6 ♀; Tumuc-Humac, Mitaraka: “Savane Roche”; $2^{\circ}14'19.3''N$, $54^{\circ}26'04.9''W$; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 2 ♂; same data as for preceding; MLP • 1 ♂; “vers sommet en Cloche”; $2^{\circ}14'05.6''N$, $54^{\circ}27'14.8''W$; 370 m to $2^{\circ}13'58.4''N$, $54^{\circ}27'52.6''W$; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Species widely distributed from Central Mexico to Argentina and the Caribbean islands (Otte 1981).

Silvitettix nigriceps

(Descamps & Amédégnato, 1970)

(Fig. 1B)

TYPE LOCALITY. — French Guiana.

TABLE 1. — List of Acridomorpha (Orthoptera) recorded from French Guiana, South America (based on the available literature, Ciglano et al. 2019; * new records from this study).

Acridoidea MacLeay, 1821	17. <i>Liebermannacris dorsualis</i> (Giglio-Tos, 1898)
Acrididae MacLeay, 1821	18. <i>Odontonotacris mimetica</i> Descamps, 1978
I. Acridinae MacLeay, 1821	19. <i>Ommatolampis perspicillata</i> (Johannson, 1763)
<i>Metalepte brevicornis</i> (Johannson, 1763)	20. <i>Oyampiacris nemorensis</i> Descamps, 1977
II. Copiocerinae Brunner von Wattenwyl, 1893	21. <i>Pseudanniceris guyanensis</i> Descamps, 1977
1. <i>Bucephalacris bucephala</i> (Marschall, 1836)	22. <i>Pseudhypsipages silvester</i> Descamps, 1977
2. <i>Copiocera cyanoptera</i> Descamps, 1978	23. <i>Psilosciurus olivaceus</i> Bruner, 1911
3. <i>Copiocera portentosa</i> Descamps & Amédégnato, 1970	24. <i>Rhabdosciurus vittatus</i> Bruner, 1911
4. <i>Copiocera surinamensis</i> Rehn, 1913	25. <i>Sciponacris trichilae</i> Descamps, 1978
5. <i>Copiocera formosa</i> (Bruner, 1920)	26. <i>Sitalces surinamensis</i> Descamps & Amédégnato, 1970
6. <i>Eumecacris crescentifer</i> Descamps, 1978	27. <i>Syntomacrella guyanensis bicoloripes</i> (Descamps & Amédégnato, 1970)
7. <i>Monachidium lunum</i> (Johannson, 1763)	28. <i>Syntomacrella guyanensis guyanensis</i> (Descamps & Amédégnato, 1970)
8. <i>Opshomala intermedia</i> Bruner, 1920	29. <i>Syntomacrella guyanensis lutea</i> (Descamps & Amédégnato, 1970)
III. Cyrtacanthacridinae Kirby, 1910	30. <i>Syntomacrella guyanensis obscura</i> Descamps, 1978
1. <i>Schistocerca americana</i> (Drury, 1773)	31. <i>Syntomacris arboricola</i> Descamps, 1977
2. <i>Schistocerca flavofasciata</i> (De Geer, 1773)	32. <i>Syntomacris nigripes</i> Descamps, 1978
3. <i>Schistocerca nitens nitens</i> (Thunberg, 1815)	33. <i>Vilerna aeneooculata</i> (De Geer, 1773)
4. <i>Schistocerca pallens</i> (Thunberg, 1815)*	34. <i>Xiphia cyanoptera</i> (Gerstaecker, 1889)
IV. Gomphocerinae Fieber, 1853	IX. Pauliniinae Hebard, 1923
1. <i>Amblytropidia interior</i> Bruner, 1911	1. <i>Paulinia acuminata</i> (De Geer, 1773)
2. <i>Amblytropidia trinitatis</i> Bruner, 1904	X. Proctolabinae Amédégnato, 1974
3. <i>Orphulella concinnula</i> (Walker, 1870)	1. <i>Adelotettix caeruleipennis</i> Bruner, 1920
4. <i>Orphulella punctata</i> (De Geer, 1773)	2. <i>Adelotettix inornatus</i> Descamps, 1978
5. <i>Orphulina pulchella</i> Giglio-Tos, 1894	3. <i>Coscineuta marginalis</i> (Walker, 1870)
6. <i>Rhammatocerus brasiliensis</i> (Bruner, 1904)	4. <i>Cryptocloeus fuscipennis</i> (Bruner, 1911)
7. <i>Rhammatocerus cyanipes</i> (Fabricious, 1775)	5. <i>Cryptocloeus spatulicicerca</i> Descamps, 1980
8. <i>Rhammatocerus pratensis</i> (Bruner, 1904)	6. <i>Dendrophilacris boulardi</i> Descamps, 1979
9. <i>Silvitettix nigriceps</i> (Descamps & Amédégnato, 1970)	7. <i>Dorstacris rubripennis</i> Descamps, 1978
V. Leptysminae Brunner von Wattenwyl, 1893	8. <i>Eucephalacris elongata</i> Descamps, 1977
1. <i>Belosacris coccineipes</i> (Bruner, 1906)	9. <i>Eucephalacris spatulicicerca</i> (Descamps & Amédégnato, 1970)
2. <i>Chloropseustes aratayensis</i> (Descamps, 1978)	10. <i>Halticacris guyanensis</i> Descamps, 1977
3. <i>Chloropseustes aurantiaca</i> (Descamps, 1977)	11. <i>Pareucephalacris uniformis</i> Descamps, 1976
4. <i>Chloropseustes guyanensis</i> Descamps & Amédégnato, 1970	12. <i>Poecilocloeus rubripes</i> Descamps & Amédégnato, 1970
5. <i>Chloropseustes nigricans</i> Descamps & Amédégnato, 1970	13. <i>Ypsophilacris viduata</i> (Descamps, 1977)
6. <i>Chloropseustes perlaeta</i> (Descamps, 1977)	Ommexechidae Bolívar, 1884
7. <i>Cornops frenatum frenatum</i> (Marschall, 1836)	XI. Ommexechinae Bolívar, 1884
8. <i>Cornops longipenne</i> (De Geer, 1773)	1. <i>Descampsacris serrulatum</i> (Thunberg, 1824)
9. <i>Cornops paraguayense</i> (Bruner, 1906)	2. <i>Ommexecha walkeri</i> Kevan, 1959
10. <i>Cylindrotettix insularis insularis</i> Bruner, 1906	Romaleidae Pictet & Saussure, 1887
11. <i>Leptysma filiformis</i> (Serville, 1838)	XII. Bactrophorinae Amédégnato, 1974
12. <i>Leptysma intermedia</i> Bruner, 1911	1. <i>Adrolampis insolens</i> Descamps, 1977
13. <i>Stenacris fissicauda</i> (Bruner, 1908)	2. <i>Adrolampis vittagenae</i> (Bruner, 1907)
14. <i>Stenacris xanthochlora</i> (Marschall, 1836)	3. <i>Bactrophora dominans</i> Westwood, 1842
15. <i>Stenopola boliviiana</i> (Rehn, 1913)	4. <i>Chromolampis nigromaculata</i> (Descamps & Amédégnato, 1970)
16. <i>Stenopola dorsalis</i> (Thunberg, 1827)	5. <i>Chromolampis ornatipes</i> (Bruner, 1907)
17. <i>Stenopola nigricans nigricans</i> Roberts & Carbonell, 1979	6. <i>Euprepacris charpentieri</i> (Descamps & Amédégnato, 1970)
18. <i>Stenopola puncticeps surinama</i> (Bruner, 1920)	7. <i>Habrolampis nemorensis</i> (Descamps, 1978)
19. <i>Stenopola rubrifrons rubrifrons</i> Roberts & Carbonell, 1979	8. <i>Hylephilacris magnicornis</i> Descamps, 1978
20. <i>Tetraataenia surinama</i> (Linnaeus, 1764)	9. <i>Ophthalmolampis colibri</i> (Saussure, 1859)
21. <i>Tucayaca biserrata</i> Roberts, 1977	10. <i>Ophthalmolampis oyampi</i> Descamps, 1977
VI. Marelliinae Eades, 2000	11. <i>Ophthalmolampis placita albosignata</i> Descamps 1978
<i>Marellia remipes</i> Uvarov, 1929	12. <i>Ophthalmolampis placita placita</i> Descamps, 1977
VII. Melanoplinae Scudder, 1897	13. <i>Otnacris surdaster</i> Descamps, 1977
<i>Baeacris maquiritare</i> (Carbonell & Ronderos, 1973)	14. <i>Poecilolampis saltatrix</i> Descamps, 1978
VIII. Ommatolampidinae Brunner von Wattenwyl, 1893	15. <i>Pseudonautia guyanensis</i> Descamps, 1978
1. <i>Abracris dilecta</i> Walker, 1870	16. <i>Xenonautia concinna</i> Descamps, 1977
2. <i>Abracris flavolineata</i> (De Geer, 1773).	XIII. Romaleinae Pictet & Saussure, 1887
3. <i>Acridocryptus pusillus</i> Descamps, 1976	1. <i>Aeolacris caternaultii</i> (Feisthamel, 1837)
4. <i>Adelacrisc atrocephala</i> (Bruner, 1908)	2. <i>Aprionacris fissicauda</i> Descamps, 1978
5. <i>Amblyxypha vittata</i> (Walker, 1870)	3. <i>Chariacris dulcis</i> Walker, 1870
6. <i>Anablysis arboricola</i> (Descamps, 1978)	4. <i>Colpolopha obsoleta</i> (Serville, 1831)
7. <i>Anablysis teres</i> Giglio-Tos, 1898	5. <i>Eurostacris corporosa</i> Descamps, 1978
8. <i>Ananotacris abditicolor</i> Descamps, 1978	6. <i>Maculiparia emarginata</i> (Stål, 1878)
9. <i>Aptoceras margaritatus</i> Bruner, 1908	7. <i>Maculiparia guyanensis</i> Carbonell, 2002
10. <i>Beosciatrica maculifemur</i> Descamps, 1977	8. <i>Maculiparia havilandae</i> (Uvarov, 1925)
11. <i>Caloscirtus cardinalis</i> (Gerstaecker, 1873)	9. <i>Maculiparia immaculata</i> (Bruner, 1907)
12. <i>Caloscirtus rubripennis</i> Bruner, 1911	10. <i>Phaeoparia lineaalba lineaalba</i> (Linnaeus, 1764)
13. <i>Clematodina sastrei</i> Amédégnato & Descamps, 1978	11. <i>Prionacris rubripennis</i> Descamps, 1978
14. <i>Episomacris grunerri</i> (Descamps & Amédégnato, 1970)	
15. <i>Eusitalces vittatus</i> Bruner, 1911	
16. <i>Hylesciatrica calamitosa</i> Descamps, 1978	

TABLE 1. — Continuation.

12. <i>Prionacris viridipennis</i> Descamps, 1978	2. <i>Eumastax tenuis</i> (Perty, 1832)
13. <i>Prionolopha serrata</i> (Linnaeus, 1758)	3. <i>Hysteromastax surinama</i> (Burr, 1899)
14. <i>Procolpia emarginata</i> (Serville, 1831)	XV. <i>Tenomastacinae</i> Rehn & Grant, 1958
15. <i>Titanacris albipes</i> (De Geer, 1773)	1. <i>Arawakella gasci</i> Descamps, 1977
16. <i>Titanacris olfersii</i> (Burmeister, 1838)	2. <i>Eumastacops parishii</i> Rehn & Rehn, 1942
17. <i>Titanacris picticrus picticrus</i> (Descamps, 1978)	3. <i>Maripa balachowskyi</i> Descamps & Amédégnato, 1970
18. <i>Tropidacris collaris</i> (Stoll, 1813)	4. <i>Maripa sastrei</i> Descamps, 1977
19. <i>Tropidacris cristata dux</i> (Drury, 1773)	<hr/>
20. <i>Trybliophorus octomaculatus</i> Serville, 1831	<i>Proscopoidea</i> Serville, 1838
21. <i>Trybliophorus sulcatus</i> Descamps, 1981*	<i>Proscopiidae</i> Serville, 1838
22. <i>Xomacris cryptica</i> Amédégnato & Poulaïn, 1986	XVI. <i>Proscopiinae</i> Serville, 1838
23. <i>Xyleus discoideus rosulentus</i> (Stål, 1878)	1. <i>Proscopia heteropoda</i> (Stoll, 1813)
<hr/>	2. <i>Pseudoproscoptia scabra</i> (Klug, 1820)
Eumastacoidea Burr, 1899	<i>Pyrgomorphoidea</i> Brunner von Wattenwyl, 1874
Eumastacidae Burr, 1899	<i>Pyrgomorphidae</i> Brunner von Wattenwyl, 1874
XIV. <i>Eumastacinae</i> Burr, 1899	XVII. <i>Pyrgomorphinae</i> Brunner von Wattenwyl, 1874
1. <i>Eumastax dorsti</i> Descamps, 1977	1. <i>Omura congrua</i> Walker, 1870

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; MNHN • 1 ♂; (“C1000) – (Savane roche)”; 2°14'01.2”N, 54°26'30.8”W; 415 m a.s.l. to 2°14'19.2”N, 54°26'04.6”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night. La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; same data as for preceding; MLP • 1 ♂, 1 ♀; “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — As for most of species of the genus *Silvitettix* Bruner, 1904 the distribution range is reduced and it is known to occur in the forests of French Guiana and Guyana (Otte & Jago 1979).

Subfamily LEPTYSMINAE Brunner von Wattenwyl, 1893

Cylindrotettix insularis insularis Bruner, 1906 (Fig. 1F)

TYPE LOCALITY. — Trinidad-Tobago.

MATERIAL EXAMINED. — French Guiana • 2 ♀; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; same data as for preceding; MLP.

DISTRIBUTION. — Known from Venezuela, Colombia, French Guiana and from the Caribbean Islands of Trinidad-Tobago.

REMARKS

Only females, based on the shape of fastigium, white lateral stripe, shape of ovipositor valves, highly probable *C. insularis*. However, to confirm the identification males are needed.

Stenopola boliviensis (Rehn, 1913) (Fig. 1C)

TYPE LOCALITY. — Bolivia, Yungas de la Paz.

2. <i>Eumastax tenuis</i> (Perty, 1832)
3. <i>Hysteromastax surinama</i> (Burr, 1899)
XV. <i>Tenomastacinae</i> Rehn & Grant, 1958
1. <i>Arawakella gasci</i> Descamps, 1977
2. <i>Eumastacops parishii</i> Rehn & Rehn, 1942
3. <i>Maripa balachowskyi</i> Descamps & Amédégnato, 1970
4. <i>Maripa sastrei</i> Descamps, 1977
<hr/>
Proscopoidea Serville, 1838
Proscopiidae Serville, 1838
XVI. Proscopiinae Serville, 1838
1. <i>Proscopia heteropoda</i> (Stoll, 1813)
2. <i>Pseudoproscoptia scabra</i> (Klug, 1820)
<i>Pyrgomorphoidea</i> Brunner von Wattenwyl, 1874
<i>Pyrgomorphidae</i> Brunner von Wattenwyl, 1874
XVII. Pyrgomorphinae Brunner von Wattenwyl, 1874
1. <i>Omura congrua</i> Walker, 1870

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; same data as for preceding; MLP.

DISTRIBUTION. — Forests of French Guiana, upper Amazon river, southeast Colombia, Ecuador, Peru and Bolivia (Roberts & Carbonell 1979).

Stenopola dorsalis (Thunberg, 1827) (Fig. 1D)

TYPE LOCALITY. — Brazil.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2.2329°N, 54.4646°W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night, La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; same data as for preceding; MLP • 1 ♂, 4 ♀; “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night, La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; same data as for preceding; MLP.

DISTRIBUTION. — Widely distributed in humid tropical lowlands from Mexico to Argentina (Carbonell *et al.* 2006), usually found at edges of wet forests, and also in swamps (Rowell 2013).

Stenopola rubrifrons rubrifrons Roberts & Carbonell, 1979 (Fig. 1E)

TYPE LOCALITY. — French Guiana, Mana River.

MATERIAL EXAMINED. — French Guiana • 1 ♀; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN.

DISTRIBUTION. — Species known from French Guiana, Brazil and Peru.



FIG. 1. — **A**, *Schistocerca pallens* (Thunberg, 1815); **B**, *Silvitettix nigriceps* (Descamps & Amédégnato, 1970); **C**, *Stenopola boliviana* (Rehn, 1913); **D**, *S. dorsalis* (Thunberg, 1827); **E**, *S. rubrifrons rubrifrons* Roberts & Carbonell, 1979; **F**, *Cylindrotettix insularis insularis* Bruner, 1906; **G**, *Abracris flavolineata* (De Geer, 1773); **H**, *Psilosciurus* sp. Photos: Sylvain Hugel.

Subfamily OMMATOLAMPIDINAE Brunner
von Wattenwyl, 1893

Abracris dilecta Walker, 1870

TYPE LOCALITY. — Brazil, Pará, Santarém.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂, 1 ♀; same data as for preceding; MLP.

DISTRIBUTION. — A common wide-ranging species occurring in shrubby habitats from Mexico south to northern Uruguay and Argentina (Roberts & Carbonell 1981).

Abracris flavolineata (De Geer, 1773)

(Fig. 1G)

TYPE LOCALITY. — Suriname.

MATERIAL EXAMINED. — French Guiana • 5 ♂, 1 ♀; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; “vers sommet en Cloche”; 2.2349 N, 54.4541 W; 370 m a.s.l.; 2.2329 N, 54.4646 W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN.

DISTRIBUTION. — Tropical forests from Mexico south to Rio Grande do Sul (Brazil) to Catamarca (Argentina).

Acridocryptus pusillus Descamps, 1976

TYPE LOCALITY. — French Guiana, Saint-Laurent-du-Maroni.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Dendrophile species living on moss grown, standing or lying trunks only known from French Guiana, from its type material collected in Saint-Laurent-du-Maroni (Descamps 1976b), from Montagne de Kaw (S. Hugel leg.) and the material examined herein.

Clematodina sastrei Amédégnato & Descamps, 1978
(Fig. 2A)

TYPE LOCALITY. — French Guiana, Oyapock, Montagne Saint-Marcel, Camp Couleuvre.

MATERIAL EXAMINED. — French Guiana • 1 ♀; Tumuc-Humac, Mitaraka: “Layon A”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; same data as for preceding; MLP • 1 ♀; (“C1000) – (Savane roche”); 2°14'01.2”N, 54°26'30.8”W; 415 m to 2°14'19.2”N, 54°26'04.6”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; “Prox Borne 1”; 202269°N, 54.4365°W; 300 m a.s.l. to 2.2125°N, 54.4355°W; 445 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Only known from French Guiana from its type material and from the material examined herein.

Psilosciirtus sp.

(Fig. 1H)

MATERIAL EXAMINED. — French Guiana • 3 ♂, 3 ♀; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; MNHN • 2 ♂, 1 ♀; same data as for preceding; MLP • 1 ♀; “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; MNHN • 1 ♂; same data as for preceding; MLP • 1 ♀; “Prox Borne 1”, 2°01'21.7”N, 54°26'11.4”W, 300 m a.s.l. to 2°12'45.0”N, 54°26'07.8”W, 445 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

REMARKS

Sharing diagnostic characters with *P. splendidus* Hebard, 1923 (common species in Colombia, Cadena-Castañeda & Cardona-Granda 2015) and *P. olivaceus* Bruner, 1911 (the only species of the genus known from French Guiana). However, to be able to give a definite identification, a revision of the genus is needed. From *P. splendidus* it is differentiated by the shorter and thicker upper/dorsal protuberance of the male cerci and in the uniformly green color of the body. From *P. olivaceus* it is also differentiated by the shape of the male cerci being the dorsal/upper and lower/ventral protuberance equally long developed, and on the absence of long spines in the lower carina of the hind femur.

Syntomacrella guyanensis guyanensis

(Descamps & Amédégnato, 1970)

(Fig. 2C)

TYPE LOCALITY. — French Guiana (bord de l’Acarouany).

MATERIAL EXAMINED. — French Guiana • 1 ♂, 2 ♀; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — This subspecies of *Syntomacrella guyanensis* is only known from French Guiana, from the type material collected close to the Acarouany river basin, from Montagne de Kaw (S. Hugel leg.) and from the material examined herein.

Vilerna aeneooculata (De Geer, 1773)

(Fig. 2B)

TYPE LOCALITY. — Suriname.

MATERIAL EXAMINED. — French Guiana • 6 ♂, 3 ♀; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 2 ♂, 2 ♀; same data as for preceding; MLP.

DISTRIBUTION. — The species has an extensive distribution in Tropical North and South America (Hebard 1924, Roberts 1937, Cadena-Castañeda & Cardona-Granda 2015).

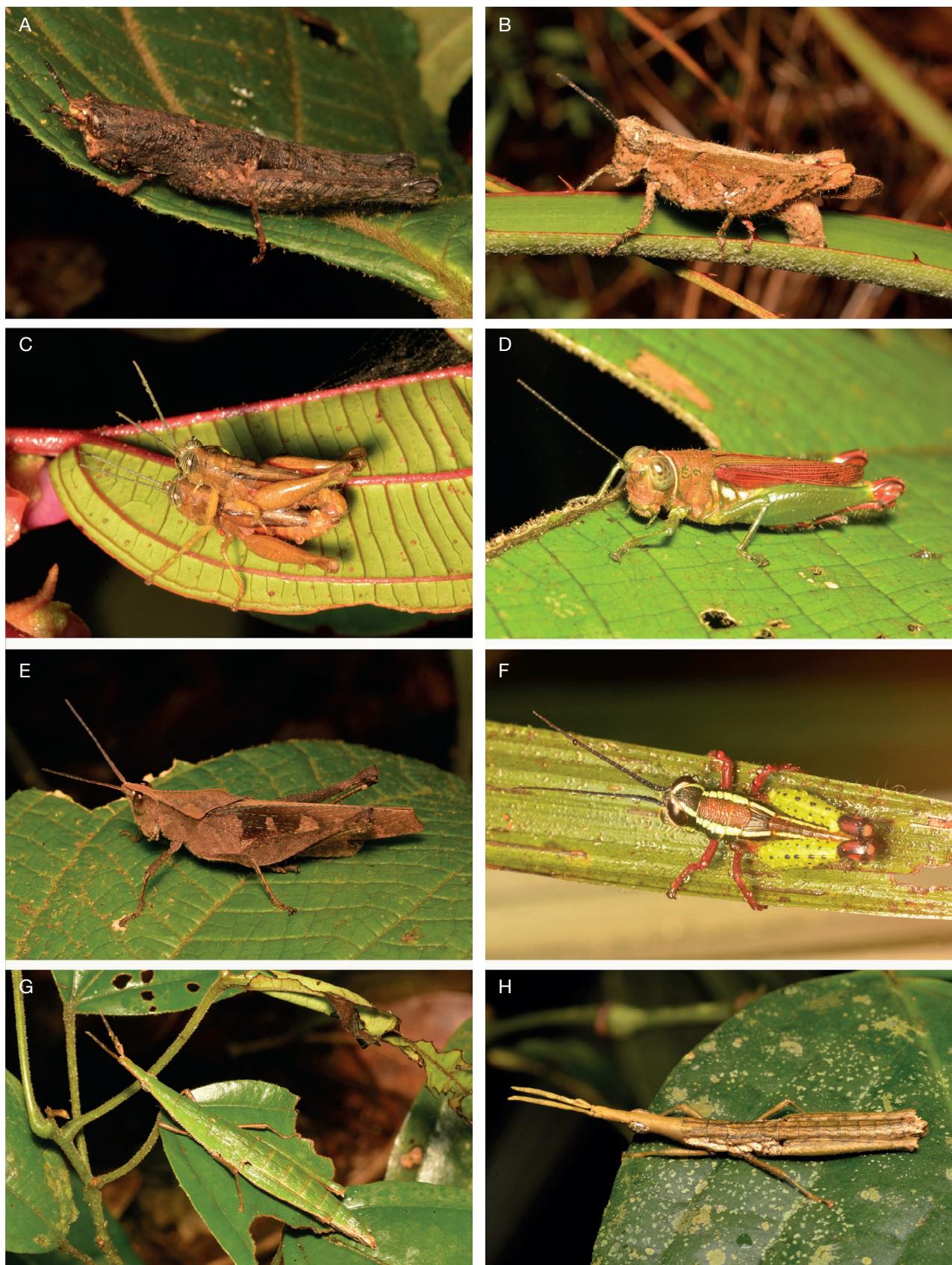


FIG. 2. — **A**, *Clematodina sastrei* Amédégnato & Descamps, 1978; **B**, *Vilerna aeneooculata* (De Geer, 1773); **C**, *Syntomacrella guyanensis guyanensis* (Descamps & Amédégnato, 1970); **D**, *Cryptocloeus spatulicerca* Descamps, 1980; **E**, *Colpolopha obsoleta* (Serville, 1831); **F**, *Otnacris surdaster* Descamps, 1977; **G, H**, *Omura congrua* Walker, 1870. Photos: Sylvain Hugel.

Subfamily PROCTOLABINAE Amédégnato, 1974

Cryptocloeus spatulicerca Descamps, 1980
(Fig. 2D)

TYPE LOCALITY. — French Guiana, Sinnamary (km 20-25 route de St-Elie).

MATERIAL EXAMINED. — French Guiana • 1 ♀; Tumuc-Humac, Mitaraka: “(C1000) – (Savane roche)”; 2°14'01.2”N, 54°26'30.8”W; 415 m a.s.l. to 2°14'19.2”N, 54°26'04.6”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Only known from French Guiana, from the type material, and from the material examined herein.

Poecilocloeus rubripes Descamps & Amédégnato, 1970

TYPE LOCALITY. — French Guiana (20 km Saint-Jean-du-Maroni, forêt de Balate).

MATERIAL EXAMINED. — French Guiana • 1 ♀; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l.; 2.2329 N, 54.4646 W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Only known from French Guiana (Descamps 1977, 1980b), and from the material examined herein.

Family ROMALEIDAE Pictet & Saussure, 1887
Subfamily ROMALEINAE Pictet & Saussure, 1887

Aeolacris caternaulti (Feisthamel, 1837)

TYPE LOCALITY. — French Guiana, Cayenne.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Known from Brazil (Manaus) and French Guiana.

Colpolopha obsoleta (Serville, 1831)
(Fig. 2E)

TYPE LOCALITY. — French Guiana: [mislabelled Cape of Good Hope].

MATERIAL EXAMINED. — French Guiana • 1 ♂, 2 ♀; Tumuc-Humac, Mitaraka: “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; same data as for preceding; MLP • 1 ♂; “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2.2338°N, 54.4517°W; 293 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; same data as for preceding; MLP • 1 ♀; “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m to

2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♀; same data as for preceding; MLP.

DISTRIBUTION. — North South America, Brazil Amazonas (Mat-tioti *et al.* 2015) and French Guiana.

Maculiparia guyanensis Carbonell, 2002

TYPE LOCALITY. — French Guiana, Trois Sauts, Oyapock.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; “(C1000) – (Savane roche)”; 2°14'01.2”N, 54°26'30.8”W; 415 m a.s.l. to 2°14'19.2”N, 54°26'04.6”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Known from the type locality at the east of French Guiana, near the Oyapock River, the Reserva Florestal Adolpho Ducke, in the outskirts of Manaus, State of Amazonas, Brazil (Mat-tioti *et al.* 2015) and the records herein.

Phaeoparia lineaalba lineaalba (Linnaeus, 1764)

TYPE LOCALITY. — French Guiana, Trois Sauts, Oyapock.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂, 1 ♀; “Layon D”, 2°14'08.5”N 54°27'03.2”W; 280 m a.s.l. to 2°14'01.7”N 54°27'06.1”W; 293 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Widely distributed subspecies in the Guyano-Amazonian region. (French Guiana, Colombia, Suriname, Peru, Ecuador, Bolivia, Brazil) (Carbonell 2002).

Titanacris albipes (De Geer, 1773)

TYPE LOCALITY. — Suriname.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “Layon A”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Species distributed in the Guyano-Amazonic region. Brazil (Amazonas, Rondonia, Mato Grosso) and French Guiana (Descamps & Carbonell 1985).

Trybliophorus sulcatus Descamps, 1981

TYPE LOCALITY. — Brazil, Pará, Óbidos.

MATERIAL EXAMINED. — French Guiana • 1 ♀; Tumuc-Humac, Mitaraka: “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m

a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN.

DISTRIBUTION. — The first record for French Guiana, known previously only from the State of Para in Brazil.

Subfamily BACTROPHORINAE Amédégnato, 1974

Othnacris surdaster Descamps, 1977 (Fig. 2F)

TYPE LOCALITY. — French Guiana, Trois Sauts, Oyapock.

MATERIAL EXAMINED. — French Guiana • 1 nymph; Tumuc-Humac, Mitaraka, “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 nymph; same data as for preceding; MLP.

DISTRIBUTION. — Known from French Guiana, Suriname, Brazil (Amazonas, Pará).

Superfamily PYRGOMORPHOIDEA Brunner von Wattenwyl, 1874

Family PYRGOMORPHIDAE Brunner von Wattenwyl, 1874
Subfamily PYRGOMORPHINAE Brunner von Wattenwyl, 1874

Omura congrua Walker, 1870 (Fig. 2G, H)

TYPE LOCALITY. — Brazil, Pará.

MATERIAL EXAMINED. — French Guiana • 1 ♂; Tumuc-Humac, Mitaraka: “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 nymph “Savane Roche”; 2°14'19.3”N, 54°26'04.9”W; 390 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂; “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2.2338°N, 54.4517°W; 293 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 ♂, 1 ♀; “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MLP.

DISTRIBUTION. — Tropical Northern South America, in areas of high humidity (Mariño-Pérez & Song, 2018).

Superfamily PROSCOPIOIDEA Serville, 1838 Family PROSCOPIIDAE Serville, 1838 Subfamily PROSCOPIINAE Serville, 1838

Pseudoprosopia scabra (Klug, 1820)

TYPE LOCALITY. — Brazil, Pará.

MATERIAL EXAMINED. — French Guiana • 1 ♀; Tumuc-Humac, Mitaraka: “vers sommet en Cloche”; 2°14'05.6”N, 54°27'14.8”W; 370 m a.s.l. to 2°13'58.4”N, 54°27'52.6”W; 470 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN.

DISTRIBUTION. — Known from Brazil (Para) and French Guiana.

REMARKS

Based on shape of fastigium, granulations in the sides of thorax, shape of hind tibiae. However, since only one female is available, males of this species are needed to confirm this identification. Previously recorded for French Guiana.

Superfamily EUMASTACOIDEA Burr, 1899 Family EUMASTACIDAE Burr, 1899

MATERIAL EXAMINED. — French Guiana • 1 nymph; Tumuc-Humac, Mitaraka: “Layon D”; 2°14'08.5”N, 54°27'03.2”W; 280 m a.s.l. to 2°14'25.8”N, 54°27'16.9”W; 365 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN • 1 nymph; “Prox Borne 1”; 2°01'21.7”N, 54°26'11.4”W; 300 m a.s.l. to 2°12'45.0”N, 54°26'07.8”W; 445 m a.s.l.; Legendre F. & Hugel S. leg.; 23.II-3.X.2015; night; La Planète Revisitée – MNHN/PNI Guyane 2015 (APA 973-1); MNHN.

REMARKS

Species determination is not possible to be done since only two female nymphs were collected.

DISCUSSION

The survey in the Mitaraka Mountains, consisting primarily of lowland tropical rain forest with scattered inselbergs (Touroult *et al.* 2018), resulted in the occurrence of 25 species of Acridomorpha. Most of these are forest species, but some are associated with more opened environments (*Orphulella punctata*, *Schistocerca pallens*), and/or with forest edge (*Stenopola dorsalis*, *Stenopola boliviensis*, *Syntomacrella guyanensis*, *Vilerna aeneooculata* and *Pseudoprosopia scabra*). Even though the survey of Orthoptera was mainly focused to the collection of Grylloidea Laicharting, 1781 and Tettigonioidae Krauss, 1902, and hence, mostly during the night, the diversity of grasshoppers registered in this area of the south-western French Guiana represents a good percentage of the known Acridomorph fauna for the whole country (Table 1). The Acridomorph fauna of French Guiana is mostly represented by the acridid subfamilies Ommatolampidinae (34 species), Leptysminae (21 species) and Proctolabinae (13 species); and among the Romaleidae by Romaleinae (23 species) and the Bactrophorinae (16 species), being most of the species dendrophilous and living in the crown of trees (Descamps 1977, 1978). The composition of grasshoppers found during the survey in Mitaraka, mostly represented by Ommatolampidinae and Romaleinae, corresponds well with the recorded fauna for the country.

Acknowledgements

All the material of the species recorded in this study was collected during the “Our Planet Reviewed” Guyane-2015 expedition in the Mitaraka range, in the core area of the French Guiana Amazonian Park, organized by the MNHN and Pro-Natura international. The expedition was funded by the European Regional Development Fund (ERDF), the Conseil régional de Guyane, the Conseil général de Guyane, the Direction de l’Environnement, de l’Aménagement et du Logement and by the Ministère de l’Éducation nationale, de l’Enseignement supérieur et de la Recherche. It was realized in collaboration with the Parc amazonien de Guyane.

We thank Sylvain Hugel (CNRS Strasbourg) for the photographs of grasshoppers from the Mitaraka; Laure Desutier (MNHN) for inviting us to be the taxonomic experts to determine the Caelifera collected from the “Our Planet Reviewed – French Guiana Expedition, 2015” and Simon Poulain (MNHN) for technical assistance. We also thank to the reviewers (Sylvain Hugel and Ricardo Mariño-Pérez) for their comments on the manuscript.

REFERENCES

- AMÉDÉGNATO C. & DESCamps M. 1978. — Diagnoses et signalisations d’acridiens néotropicaux (Orth. Acridoidea). *Acrida* 7 (1): 29-53.
- AMÉDÉGNATO C. & POULAIN S. 1986. — Diagnoses et signalisations de Romaleidae arboricoles amazoniens (Orthoptera: Acridoidea). *Annales de la Société entomologique de France. Nouvelle série* 22 (4): 423-455.
- BRUNER L. 1906. — Report on the Orthoptera of Trinidad, West Indies. *Journal of the New York Entomological Society* 14: 135-168.
- BRUNER L. 1920. — Saltatorial Orthoptera from South America and the Isle of Pines. *Annals of the Carnegie Museum* 13: 5-91.
- CADENA-CASTANEDA O. J. & CARDONA-GRANDA J. M. 2015. — *Introducción a los Saltamontes de Colombia (Orthoptera: Caelifera: Acridoidea: Acridomorpha, Tettigoidae & Tridactyloidea)*. Lulu, Raleigh, North Carolina, 534 p.
- CARBONELL C. S. 2002. — The Grasshopper Tribe Phaeopariini (Acridoidea: Romaleidae), 148 p.
- CARBONELL C. S., CIGLIANO M. M. & LANGE C. E. 2006. — Especies de acridomorfos (Orthoptera) de Argentina y Uruguay / Acridomorph (Orthoptera) species of Argentina and Uruguay. <https://biodar.unlp.edu.ar/acridomorph/en/info/20191.html>
- CIGLIANO M. M., BRAUN H., EADES D. C. & OTTE D. 2019. — Orthoptera Species File. Version 5.0/5.0. <http://Orthoptera.SpeciesFile.org>
- DESCamps M. 1974. — Eusmatacades du Venezuela avec quelques signalisations d’autres pays d’Amérique du Sud. (Orthoptera, Acridomorpha). *Acrida* 3 (1): 55-76.
- DESCamps M. 1976a. — La faune dendrophile néotropicale. I. Revue des Proctolabinae (Orth. Acrididae). *Acrida* 5 (2): 62-167.
- DESCamps M. 1976b. — Les Nicarchi, Ommatolampini dendrosclerophiles de la forêt néotropicale (Acridomorpha, Ommatolampinae). *Annales de la Société entomologique de France. Nouvelle série* 12 (3): 509-526.
- DESCamps M. 1977. — Étude des écosystèmes Guyanais. I. Eumastacoides & Acridoidea dendrophiles (Orthoptera). *Annales de la Société entomologique de France. Nouvelle série* 13 (2): 193-236.
- DESCamps M. 1978. — La Faune Dendrophile Néotropicale V. Seconde Revue des Proctolabinae Amazoniens et Guyanais (Orthoptera, Acrididae). *Annales de la Société entomologique de France. Nouvelle série* 14 (3): 301-349.
- DESCamps M. 1979. — Missions entomologiques en Guyane et au Brésil (1) Troisième note : Orthoptera: Acridomorpha (2). *Annales de la Société entomologique de France. Nouvelle série* 15 (2): 311-317.
- DESCamps M. 1980a. — La faune dendrophile néotropicale V. Seconde revue des Proctolabinae amazoniens et guyanais (Orthoptères, Acrididae). *Annales de la Société entomologique de France. Nouvelle série* 16 (1): 19-47.
- DESCamps M. 1980b. — La faune dendrophile néotropicale V[b]. Seconde revue des Proctolabinae amazoniens et guyanais (Orthoptères, Acrididae). *Annales de la Société entomologique de France. Nouvelle série* 16 (2): 161-195.
- DESCamps M. & AMÉDÉGNATO C. 1970. — Acridomorpha [Orthoptera] récoltés en Guyane française par la mission du Muséum national d’Histoire naturelle. *Annales de la Société entomologique de France. Nouvelle série* 6 (4): 861-897.
- DESCamps M. & AMÉDÉGNATO C. 1972. — Contribution à la faune des Acridoidea de Colombie (Missions M. Descamps). III. Diagnoses des Catantopinae (sensu lato). *Annales de la Société entomologique de France. Nouvelle série* 8 (3): 505-559.
- DESCamps M. & CARBONELL C. S. 1985. — Revision of the Neotropical arboreal genus Titanacris (Orthoptera, Acridoidea, Romaleidae). *Annales de la Société entomologique de France. Nouvelle série* 21 (3): 259-285.
- HEBARD M. 1924. — Studies in the Acridoidea of Panama (Orth.). *Transactions of the American Entomological Society* 50 (2): 75-140.
- LEPONCE M., MEYER C., HÄUSER C. L., BOUCHET P., DELABIE J., WEIGT L. & BASSET Y. 2010. — Challenges and solutions for planning and implementing large-scale biotic inventories. Manuel of field recording techniques and protocols for All Taxa Biodiversity Inventories and Monitoring. Meise: ABC Taxa: 18-48.
- MARIÑO-PÉREZ R. & SONG H. 2018. — Phylogeny of the grasshopper family Pyrgomorphidae (Caelifera, Orthoptera) based on morphology. *Systematic Entomology* 43 (1): 90-108. <https://doi.org/10.1111/syen.12251>
- MATIOTTI DA COSTA M. K., MARTINS L. P., ZEFA E., REDÜ D. R., MORSELLI J. P. & DE MELLO F. A. G. 2015. — Checklist of grasshoppers (Orthoptera: Acridoidea) from Reserva Florestal Adolpho Ducke, State of Amazonas, Brazil, and new records for the country. *Journal of Orthoptera Research* 24 (2): 59-65. <https://doi.org/10.1665/034.024.0204>
- OTTE D. 1981. — *The North American Grasshoppers*, Vol. 1. *Acridoidea: Gomphocerinae and Acridinae*. Harvard University Press, Cambridge, 274 p.
- OTTE D. & JAGO N. D. 1979. — Revision of the grasshopper genera Silvitettix and Compsacris (Gomphocerinae, Acrididae). *Proceedings of the Academy of Natural Sciences of Philadelphia* 131: 257-288.
- ROBERTS H. R. 1937. — Studies on the family Acrididae (Orthoptera) of Venezuela. *Proceedings of the Academy of Natural Sciences of Philadelphia* 89: 343-368.
- ROBERTS H. R. & CARBONELL C. S. 1979. — A revision of the genera Stenopola and Cornops (Orthoptera: Acrididae, Leptysminae). *Proceedings of the Academy of Natural Sciences of Philadelphia* 131: 104-130.
- ROBERTS H. R. & CARBONELL C. S. 1981. — A revision of the Neotropical genus Abracris and related genera (Orthoptera: Acrididae, Ommatolampinae). *Proceedings of the Academy of Natural Sciences of Philadelphia* 133: 1-14.
- ROWELL C. H. F. 2013. — The Grasshoppers (Caelifera) of Costa Rica and Panama, 611 p.
- TOUROULT J., POLLET M. & PASCAL O. 2018. — Overview of Mitaraka survey: research frame, study site and field protocols, in TOUROULT J. (ed.), “Our Planet Reviewed” 2015 large-scale biotic survey in Mitaraka, French Guiana. *Zoosystema* 40 (13): 327-365. <https://doi.org/10.5252/zoosystema2018v40a13>. <http://zoosystema.com/40/13>

Submitted on 5 July 2019;
accepted on 15 October 2019;
published on 10 March 2020.