



Checklist and new distribution records of katydids (Orthoptera: Tettigoniidae) from Colombia

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Abstract

This article compiles information about the species of Tettigoniidae present in Colombia, based on biological collections and the literature. To date 345 species grouped in 129 genera and seven subfamilies are known from the country. The presence of 77 species recorded from other countries is documented for the first time. Regarding the katydids the data on geographical distribution show that less than 50% of the national territory has been scientifically explored. The best-represented area is the Valle del Cauca, due to regional faunistic inventories and taxonomic studies.

Key words: collections, Conocephalinae, Hexacentrinae, Listroscelidinae, Meconematinae, Mecopodinae, Phaneropterinae, Pseudophyllinae

Resumen

Este artículo recopila información sobre las especies de Tettigoniidae presentes en Colombia, con base en datos de colecciones biológicas y literatura. Hasta la fecha se conocen para el país 345 especies pertenecientes a 129 géneros y siete subfamilias. Se documenta por primera vez la presencia de 77 especies ya registradas para otros países. El análisis sobre la distribución geográfica revela que menos del 50% del territorio nacional ha sido científicamente explorado en cuanto a los tettigónidos. La fauna es bien conocida para el departamento del Valle del Cauca (Sur Occidente) lo que es producto de estudios taxonómicos e inventarios a nivel regional.

Introduction

To date, there have been 142 species of Tettigoniidae described from type localities in Colombia, often the country name being the only known place specific. In the following we summarize briefly the history of the study of this group and its diversity, which shows a slow growth of the number of species interspersed by steeper increases due to comprehensive revisions (Fig. 1).

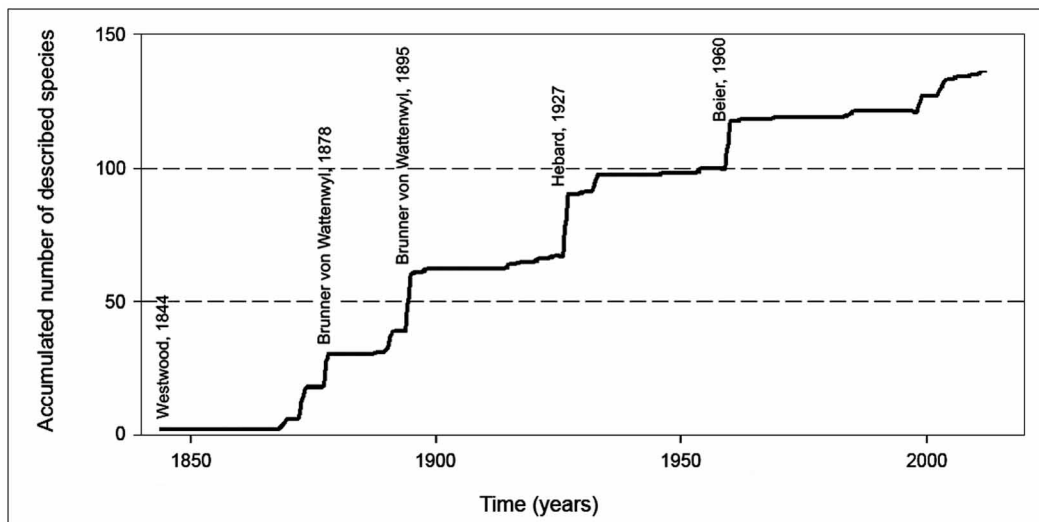


FIGURE 1. Accumulation of Tettigoniidae species described from Colombia from 1844 to the present. The principal peaks of the curve correspond to the publications by Brunner von Wattenwyl in 1878 and 1895, Hebard in 1927, and Beier in 1960.

Dysonia alipes (Westwood, 1844) and *Markia hystrix* (Westwood, 1844), the first two species described, were part of a beautiful book of insects that the author entitled as “new, rare and interesting”. This same book comes with poems and comments on personal experiences and anecdotal considerations on the observation, collection, and study of the insects; illustrating the style of the naturalists of this period. John Obadiah Westwood based his descriptions on specimens deposited in the Hope Collection at the Museum of Natural History in Oxford and identified them as grasshoppers (Westwood 1844).

Twenty-five years later, between 1869 and 1870, Francis Walker described four new species whose types are deposited in the Natural History Museum in London. During the years 1873 and 1874 Carl Stål described 12 additional species. And among the numerous new species in Carl Brunner von Wattenwyl’s 1878 monograph on Phanopterinae, 12 were from Colombia. In the following thirteen years only two species were added by Alphonse Pictet in 1888 and Ignacio Bolívar in 1890. In 1891 Josef Redtenbacher and in 1892 the same author and Brunner von Wattenwyl described seven new species. In 1895 the number of species increased notably by the publication of Brunner von Wattenwyl’s monograph of Pseudophyllinae, adding 21 new species (Fig. 1).

In the interval from 1896 to 1926 the number of new species was very low, with only seven species named by five different authors: Karsch 1896, Saussure & Pictet 1898, Bruner 1915, and Enderlein 1917. Then in 1927 Morgan Hebard realized the first regional study of the fauna of Orthoptera of Colombia, describing 23 new species of tettigoniids. During the next six years only two new species were described by Paul Vignon (1930) and Alfred Kästner (1932).

In 1933 Hebard published a supplement to his four studies on Colombian Orthoptera, including five new tettigoniids. Most of the specimens examined by Hebard were collected by the naturalist and priest Apolinar María, who in 1912 founded the Sociedad Colombiana de Ciencias Naturales, among whose members was created the Sección de Entomología of the Museo de Ciencias Naturales de la Universidad de la Salle. Another significant portion of Hebard’s material was collected by Melbourne Armstrong Carriker Jr., who visited the country in search of birds and bird lice (Wiedenfeld 1997).

In 1946 James A.G. Rehn described a new species of Pseudophyllinae. Twenty new species from Colombia of this subfamily were included in Max Beier’s revisions (1954, 1960, 1962, 1962a). Then merely three more tettigoniids were described by Michael G. Emsley and David Nickle (Emsley & Nickle 1969, Nickle 1984) for a long period of time.

Only beginning in 1993 were realized collections, studies, and inventories of regions within Colombia, and revision of the material in Colombian collections (Montealegre-Z. *et al.* 1993, Montealegre-Z. & Gonzalez 1995). In 1997 Fernando Montealegre-Z. produced a revision of the Tettigoniidae occurring in the Departamento del Valle del Cauca, an effort that was the starting point of subsequent studies. Between 1999 and 2004 the same author and

Glenn Morris described 12 new species of Pseudophyllinae and Copiphorinae (Montealegre-Z. & Morris 1999, Montealegre-Z. & Morris 2003, Montealegre-Z. & Morris 2004). Regional studies continued with the revision of the Tettigoniidae of the Departamento del Quindío by Francisco Serna (2005) and the revision of the Pseudophyllinae in Colombian collections by Rodrigo Romero (2009). Then the first record of Hexacentrinae with two new species was published (Braun *et al.* 2009). In the last two years seven more species were described (Montealegre-Z. & Postles 2010, Cadena-Castañeda & Braun 2011, Montealegre-Z. *et al.* 2011, Cadena-Castañeda 2011, 2011a).

The aim of this paper is to compile and formalize the existing data concerning known species and new and partly unpublished records of the family Tettigoniidae from Colombia. In addition we want to indicate the gaps in the knowledge and the need for future research of this group.

Methods

The compilation of Tettigoniidae species records comprises specimens deposited in collections, as well as data available from literature. All information was incorporated in a dataset, following the Darwin Core international standard for sharing biodiversity information. Material of the following collections has been revised (all institution names along with the corresponding abbreviations):

CIBUQ	Centro de Estudios e Investigaciones en Biodiversidad y Biotecnología de la Universidad del Quindío
MAUQ	Museo de Licenciatura de la Universidad del Quindío; Colección de insectos y museo de artrópodos
UANDES	Colección de Entomología de la Universidad de los Andes
MENT-UT	Museo Entomológico de la Universidad del Tolima
CEUA	Colección Entomológica de la Universidad de Antioquia
ICN	Instituto de Ciencias Naturales de la Universidad Nacional
IaVH	Instituto de Investigación de Recursos Biológicos Alexander von Humboldt
IMCN	Instituto para la Investigación y la Preservación del Patrimonio Cultural y Natural del Valle del Cauca
UNAB	Museo de Entomología de Agronomía, Universidad Nacional de Colombia, sede Bogotá
MPUJ	Museo Javeriano de Historia Natural Lorenzo Uribe Uribe S. J.
MEFLG	Museo Entomológico Francisco Luis Gallego – Universidad Nacional de Colombia, sede Medellín
MUD	Museo de Historia Natural de la Universidad Distrital Francisco José de Caldas, Colección de Entomología y Aracnología
CEUNP	Museo Entomológico Universidad Nacional, Sede Palmira
MUSENUV/MEUV	Museo de Entomología de la Universidad del Valle
EFUDFJC	Colección entomológica forestal Universidad Distrital Francisco José de Caldas

From the following references distribution records were retrieved:

Beier 1960, Beier 1962, Bruner 1915, Brunner von Wattenwyl 1878, Brunner von Wattenwyl 1891, Brunner von Wattenwyl 1895, Emsley 1970, Emsley & Nickle 1969, Grant 1958, Grant 1964, Hebard 1927, Hebard 1933, Montealegre-Z. & Morris 2004, Nickle 1985, Pictet 1888, Redtenbacher 1891, Redtenbacher 1892, Rehn 1946, Rehn 1949, Saussure & Pictet 1897, Stål 1873, Stål 1874, and Walker 1870.

The list of species of Colombia is presented in Table 1 in the following format: The first column contains the scientific names (subfamily, tribe, genus, species or subspecies) and under every species name are mentioned the corresponding synonyms. The second column shows the primary or secondary references that were consulted. The next three columns contain the *departamento* (administrative subdivision), natural region, and elevation range (the lowest and highest record in case there were more than one). Finally the collections and catalog numbers of revised specimens are listed (if there were many for a particular species only some are mentioned).

For the species reported as new for Colombia or for a particular department in one of the not formally published theses, a number is added to the abbreviations of the geographic regions: 1 Montealegre-Z. 1997, 2 Serna-Márquez 2005, and 3 Romero-Zuñiga 2009.

The following abbreviations are used for the geographic regions:

For the departments: Amazonas: **Ama**, Antioquia: **Ant**, Arauca: **Ara**, Atlántico: **At**, Bolívar: **Bl**, Boyacá: **By**, Cauca: **Cau**, Cesar: **Ce**, Caldas: **Cl**, Córdoba: **Cor**, Caqueta: **Cq**, Casanare: **Cs**, Cundinamarca: **Cun**, Chocó: **Cho**, Guainía: **Gn**, Guaviare: **Gv**, Huila: **Hu**, La Guajira: **Lg**, Magdalena: **Ma**, Meta: **Met**, Nariño: **Na**, Norte de Santander: **Ns**, Putumayo: **Pu**, Quindío: **Qui**, Risaralda: **Ri**, Santander: **Snt**, San Andrés y Providencia: **Sp**, Sucre: **Suc**, Tolima: **To**, Vaupés: **Va**, Valle del Cauca: **Vc**, Vichada: **Vch**.

For the natural regions: Pacífico: **Pac**, Amazonas: **Amz**, Caribe: **Car**, Orinoquía: **Ori**, Andes: **And**.

For the geographic analysis the program DIVA-GIS 5.4 was used. Almost 95% of the records did not include geographic coordinates, which were obtained from the Global Gazetteer (available at <http://www.fallingrain.com/world/index.html>) and other digital gazetteers. The thereby introduced error is admissible since the objective of this analysis is to provide a general qualitative panorama of the current state of research in relation to particular regions of Colombia. With the coordinates was elaborated a shapefile, which was used for a point-quadrant analysis. The side length of the quadrants is 0.5°.

Results and discussion

In total 3997 records were systematized and evaluated. The list of Tettigoniidae of Colombia comprises 345 species, belonging to 129 genera in seven subfamilies (Table 1). About 5% and 23% of these records are not identified at genus and species level respectively, evidently representing undescribed taxa. Of this list the following 77 species are recorded for the first time for Colombia (i.e. not being included in the above-mentioned theses):

Aganacris pseudosphex Grant, 1958; *Anapolisia clausa* (Grant, 1958); *Anaulacomera crassidentata* Hebard, 1927; *Anaulacomera laticauda* Brunner von Wattenwyl, 1878; *Anaulacomera poculigera* Hebard, 1924; *Beieroschema cuspidata* (Beier, 1954); *Beieroschema guttata* (Brunner von Wattenwyl, 1895); *Ceraia maxima* Brunner von Wattenwyl, 1891; *Ceraia mytra* Grant, 1964; *Cycloptera excellens* Vignón, 1926; *Cycloptera falcifolia* Walker, 1870; *Championica (Championica) echinus* (Rehn, 1940); *Championica (Championica) pilata* (Beier, 1933); *Choeroparnops alatus* (Brunner von Wattenwyl, 1895); *Chondrosternum dohrni* (Brunner von Wattenwyl, 1895); *Copiphora coronata* Redtenbacher, 1891; *Cocconotus (Cocconotus) insularis* (Bruner, 1906); *Daedalellus waehnerorum* (Günther, 1940); *Docidocercus fraternus* (Saussure & Pictet, 1898); *Docidocercus sagittatus* (Saussure & Pictet, 1898); *Dolichocercus latipennis* (Brunner von Wattenwyl, 1891); *Dolichocercus peruvianus* (Brunner von Wattenwyl, 1891); *Eschatoceras punctifrons* Redtenbacher, 1891; *Euceraia acreana* (Piza, 1973); *Euceraia atryx* Grant, 1964; *Euceraia femorata* (Chopard, 1918); *Euceraia rufovariegata* (Chopard, 1918); *Hyperphrona coerulescens* Brunner von Wattenwyl, 1891; *Hyperphrona irregularis* Brunner von Wattenwyl, 1891; *Itarissa amazonica* Rehn, 1917; *Itarissa rectinervis* (Brunner von Wattenwyl, 1891); *Jimenezia elegans* Bolívar, 1881; *Leptotettix pubiventris* Bolívar, 1881; *Leptotettix spinoselaminatus* Beier, 1960; *Leptotettix voluptarius voluptarius* Brunner von Wattenwyl, 1895; *Lophaspis scabriuscula* Brunner von Wattenwyl, 1895; *Macrochiton adjutor* Brunner von Wattenwyl, 1895; *Merocidius obscurus* Serville, 1831; *Microcentrum championi* Saussure & Pictet, 1898; *Moncheca elegans* (Giglio-Tos, 1898); *Neoconocephalus alienus* (Walker, 1869); *Neoconocephalus brunneri* (Redtenbacher, 1891); *Neoconocephalus ensiger* (Harris, 1841); *Neoconocephalus exaltatus* (Walker, 1869); *Neoconocephalus spiza* Walker & Greenfield, 1983; *Oxyprora curvirostris* Redtenbacher, 1891; *Oxyprora gladiatrix* (Piza, 1980); *Parascudderia setrina* Grant, 1960; *Parascudderia strigilis* Grant, 1960; *Pemba armata* Walker, 1870; *Pizatettix sanctaerucis* (Piza, 1973); *Phlugiola redtenbacheri* Karny, 1907; *Phylloptera (Phylloptera) contracta* Walker, 1869; *Phylloptera (Phylloptera) festae* Griffini, 1896; *Phylloptera (Phylloptera) panamae* Hebard, 1927; *Phylloptera (Phylloptera) quinquemaculata* Bruner, 1915; *Pristonotus tuberosus* (Stål, 1875); *Pyrgocorypha hamata* (Scudder, 1878); *Scudderia paronae* Griffini, 1896; *Steirodon (Frontinus) bilobatum* (Scudder, 1875); *Steirodon (Posidippus)*

dohrni (Brunner von Wattenwyl, 1891); *Steirodon (Frontinus) fastigosum* (Brunner von Wattenwyl, 1878); *Stilpnochlora aztecoides* Emsley, 1970; *Stilpnochlora incisa* Brunner von Wattenwyl, 1878; *Stilpnochlora lineolata* Emsley, 1970; *Stilpnochlora lineolatooides* Emsley, 1970; *Subria amazonica* Redtenbacher, 1891; *Subria sylvestris* Naskrecki & Morris, 2000; *Syntechna angulata* Hebard, 1924; *Tomeophera pugiunculata* Brunner von Wattenwyl, 1878; *Teleutias fasciatus* Brunner von Wattenwyl, 1895; *Teleutias inermis* Beier, 1960; *Teleutias reconditus* Beier, 1960; *Teleutias vicinissimus* Brunner von Wattenwyl, 1895; *Viadana curvicercata* (Brunner von Wattenwyl, 1891); *Viadana difformis* (Brunner von Wattenwyl, 1878) and *Viadana peruviana* (Brunner von Wattenwyl, 1878).

As already mentioned, 142 species were originally described from the country, with type localities being only “Colombia” or more exact collection sites within its territory. In literature 73 species described from other countries have also been reported for Colombia. The three theses mentioned above added 53 new records. During the inventories and identifications done over the last few years, 77 additional species were found to be present. In many species also the finer distribution ranges within the country are expanded in regard to what was previously known. This points out the importance of local faunistic inventories and systematic revisions of national as well as international collections.

Regarding the geographical representation of the species records (Fig. 2), no records exist for more than 50% of the territory. One of the most thoroughly investigated areas, with more than 100 collected specimens per quadrant, belongs to the department of the Valle del Cauca, comprising the environs of the municipalities of Buenaventura, Cali, Dagua, Jamundí, Yumbo, La Cumbre, and Calima (El Darién), mostly based on specimens deposited in the MUSENUV collection and resulting from a particular regional inventory (Montealegre-Z. 1997). Also very well investigated and in the same frequency class are the department Quindío, the south of department Cundinamarca, as well as the southernmost tip of the country belonging to the department Amazonas (the latter corresponding to records of MPUJ and ICN). Quadrants of the second frequency class, with 11 to 100 specimens, are found in the already mentioned department Valle del Cauca. This frequency class also includes areas in Cundinamarca, Boyacá, and neighboring departments (based on records of the ICN). A few quadrants of this second frequency class are in the north of Colombia around the Sierra Nevada de Santa Marta in the department Magdalena, and some more are dispersed over the map. The most common quadrants (65% of all) are those corresponding to the third class of 1 to 10 collected individuals, probably based on academic activities and occasional collections.

For about 2.5% of the records there is no information on the department level, some of them referring to historical localities that could not be identified. Except one of them, which appears repeatedly in old taxonomic literature, the “Hacienda Pehlke”, where ten type specimens of Tettigoniidae have been collected. An old article on treehoppers revealed that this site was in the municipality of Honda, Departamento de Tolima, near the Río Magdalena (Schmidt 1906). Concerning altitudinal information, the lowest elevation is 0 m and corresponds to specimens collected on the Pacific coast, and the highest is 3700 m, corresponding to an unknown locality in the Departamento de Caldas. There is only one investigation on Orthoptera communities in relation to altitude in Colombia, including Tettigoniidae (Sandoval & Fagua 2006). The voucher specimens of this study deposited in MPUJ were re-identified for this checklist.

Despite the efforts to discover and document the diversity of Tettigoniidae of Colombia, it is obvious from the white spaces on the map (Fig. 2) that there remains much to be explored and investigated. The very recent additions to the country’s tettigoniid fauna indicate that the list of species is far from complete. Taxonomy is a basic and vital tool for the implementation of the Convention on Biological Diversity, and it is a fact that only a little fraction of the total number of species that make up the life on earth have been described (Global Taxonomy Initiative). So there is an urgent need to train and support more taxonomists, and to strengthen the infrastructure required to discover and understand the relationships among the world’s biological diversity (Convention on Biological Diversity). In Colombia, as in many countries of South America, the study of specific taxonomic groups has been accomplished mostly by interested individual researchers, rather than being part of national research programs. The situation is different for groups like ants, coprophagous beetles and butterflies, which have a certain tradition. Some projects at national level, like the GEMA (Grupo de Exploración y Monitoreo Ambiental) of the Instituto Alexander von Humboldt, were important in respect to the quantity of the collected material of different groups, but were discontinued for various reasons. The study of the diversity of Tettigoniidae does not escape this fact. However, the panorama is mitigated by the access to web-based tools like Orthoptera Species File Online, SIB (Sistema de Información sobre Biodiversidad de Colombia), GBIF, Biodiversity Heritage Library, among others, that by recompiling the existing information, generate starting points for future research on the katydid fauna of this country, which harbors an extraordinarily high biodiversity.

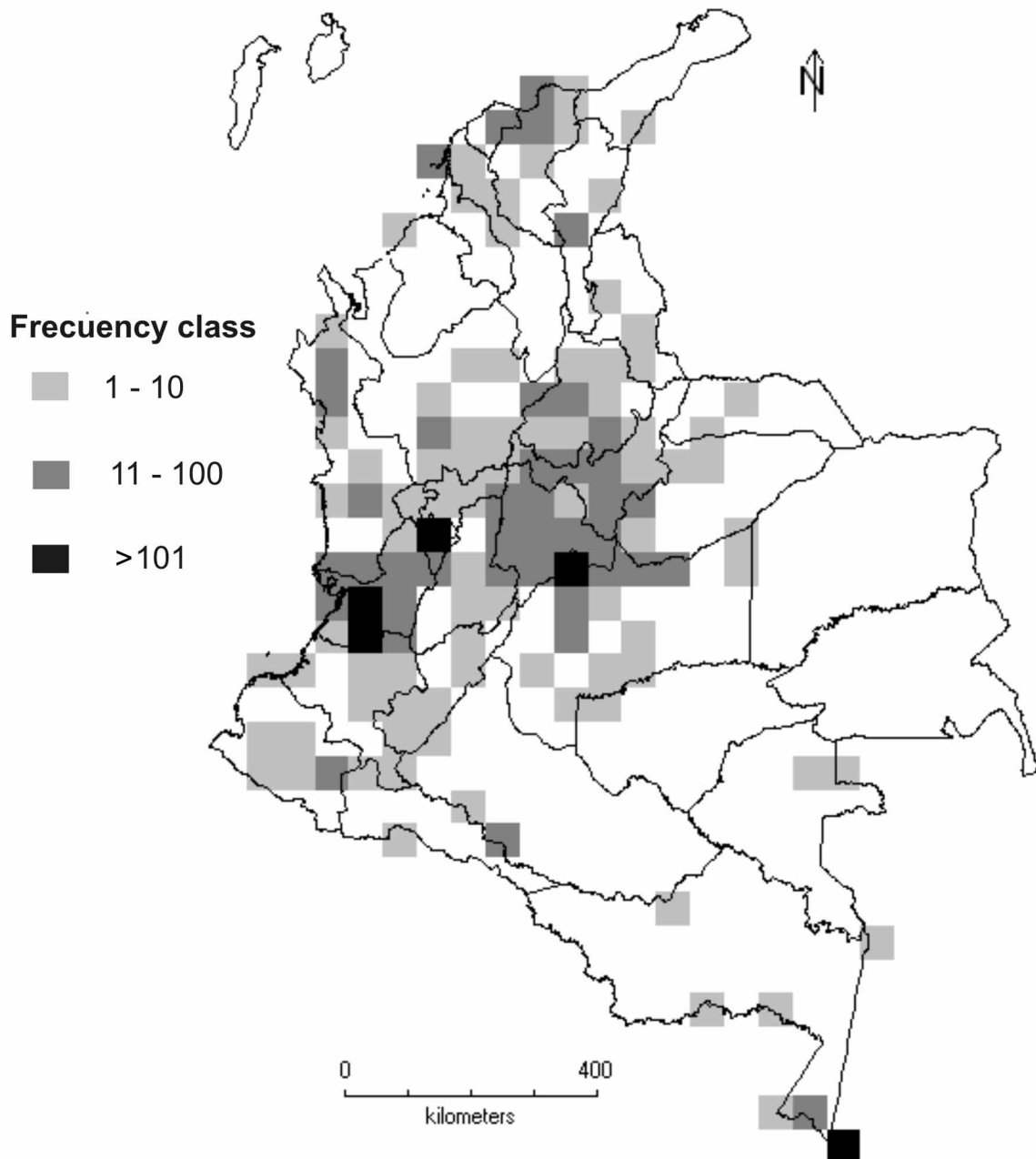


FIGURE 2. Geographic representation of records of Tettigoniidae from Colombia deposited in collections of the country. Side length of quadrants is 5°.

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Table 1. Checklist of the species of Tettigoniidae recorded for Colombia, including the following data: original or subsequent bibliographical reference, distribution by department, natural region, elevation, and catalog numbers of specimens in Colombian collections (if available). The abbreviations are explained in the method section.

	Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
	Tettigoniidae Stoll, 1787	Eades <i>et al.</i> 2011				
	<u>Conocephalinae Thomas, 1872</u>	Eades <i>et al.</i> 2011				
	<u>Agraeciini Redtenbacher, 1891</u>	Eades <i>et al.</i> 2011				
	<i>Agraecia</i> Serville, 1825	Redtenbacher 1891				
1	<i>Agraecia pulchella</i> Hebard, 1927	Hebard 1927(1926)	By, Cun, Qu2, Ri, Snt, VC1	And	60 - 2200	MUSENUV (21855- 21859, 21381, 21383); ICN- MHNOR00552-54
2	<i>Agraecia vittata</i> Redtenbacher, 1891	Redtenbacher 1891				
	<i>Dectinomima</i> Caudell, 1910	Montealegre-Z. & Morris 2003				
3	<i>Dectinomima sagittata</i> Montealegre-Z. & Morris, 2003	Montealegre-Z. & Morris 2003	VC	Pac	7 - 270	MUSENUV (21927, 21866-21871); ICN- MHNOR (033, 00681)
	<i>Eppia</i> Stål, 1875	Naskrecki 2000				
4	<i>Eppia truncatipennis</i> Stål, 1875	Naskrecki 2000	Cl, Ce, Cho, Cun, Met, Qui, Snt, To, VC1	And, Ori, Pac, Car	0 - 1650	MUSENUV (21847- 21854, 21860- 21865); IMCN (1394, 1431, 1449); ICN-MHNOR (393, 0555-59, 00831)
	<i>Eschatoceras</i> Redtenbacher, 1891	Redtenbacher 1891				
5	<i>Eschatoceras punctifrons</i> Redtenbacher, 1891	Redtenbacher 1891	Ama	Amz	70 - 180	MPUJ-ORT (083, 1976, 015)
	<i>Subria</i> Stål, 1874	Redtenbacher 1891				
6	<i>Subria amazonica</i> Redtenbacher, 1891	Redtenbacher 1891	Ama	Amz	83	MPUJ-ORT (101, 103)
7	<i>Subria nitida</i> Stål, 1874	Hebard 1927	Ant, Ma	And, Car	39 - 70	
8	<i>Subria grandis</i> (Walker, 1869)	Eades <i>et al.</i> 2011				
	<i>Xiphidium grande</i> Walker, 1869	Eades <i>et al.</i> 2011				
	<i>Xiphidium praecipuum</i> Walker, 1869 syn.	Eades <i>et al.</i> 2011				
9	<i>Subria sylvestris</i> Naskrecki & Morris, 2000	Naskrecki 2000	Cho, VC	Pac	60 - 250	MPUJ-649
	<i>Uchuca</i> Giglio-Tos, 1898	Montealegre-Z. & Morris 2003				
10	<i>Uchuca amacayaca</i> Montealegre-Z. & Morris, 2003	Montealegre-Z. & Morris 2003	Ama	Amz	100	

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
11 <i>Uchuca macroptera</i> Montealegre-Z. & Morris, 2003	Montealegre-Z. & Morris 2003	Pu	Amz	300	
<u>Conocephalini Burmeister, 1838</u>					
<i>Conocephalus</i> Thunberg, 1815					
12 <i>Conocephalus angustifrons</i> (Redtenbacher, 1891)	Saussure & Pictet 1898 Naskrecki 2000	Ant, By, Cau, Cho, Cun, Ma, Met, Pu, Snt, To, VC1	Amz, And, Car, Ori, Pac	0 - 2900	MUSENUV (20862-20873); ICN-MHNORt (023, 00560, 00990, 00995)
<i>Xiphidium angustifrons</i> Redtenbacher, 1891	Naskrecki 2000				
13 <i>Conocephalus cinereus</i> Thunberg, 1815	Naskrecki 2000	Ant, By, Ce, Cho, Cl, Cun, Met, Pu, Qu2, Snt, VC1, To	Amz, And, Car, Pac	36 - 2900	MUSENUV (20827-20848); ICN-MHNOR (01053, 00989, 00997)
<i>Orchelimum ortonii</i> Scudder, 1875 syn.	Naskrecki 2000				
14 <i>Conocephalus saltator</i> (Saussure, 1859)	Naskrecki 2000	Ant, By, Cho, Cl, Cun, Met, Snt, VC1, Qu2, Ri, To	And, Ori, Pac	0 - 2900	MUSENUV (20849-20861); IMCN (1398, 1432); ICN-MHNORt (024, 030, 00988)
<i>Xiphidium saltator</i> Saussure, 1859	Saussure & Pictet 1898				
<i>Xiphidium brachypterum</i> Redtenbacher, 1891 syn.	Naskrecki 2000				
<i>Xiphidium meridionale</i> Scudder, 1875 syn.	Naskrecki 2000				
<i>Xiphidium propinquum</i> Redtenbacher, 1891 syn.	Naskrecki 2000				
<i>Xiphidium varipenne</i> Swezey, 1905 syn.	Naskrecki 2000				
<u>Copiphorini Karny, 1912</u>					
<i>Artiotonus</i> Montealegre-Z., Morris, Sarria-S. & Mason, 2011					
15 <i>Artiotonus artius</i> Montealegre-Z., Morris, Sarria-S. & Mason, 2011	Montealegre-Z. <i>et al.</i> 2011 Montealegre-Z. <i>et al.</i> 2011	VC	Pac	70 - 320	MPUJ 644; MUSENUV 23167
16 <i>Artiotonus captivus</i> Montealegre-Z., Morris, Sarria-S. & Mason, 2011	Montealegre-Z. <i>et al.</i> 2011	Cau	Pac		MUSENUV (23165, 23166)
<i>Bucrates</i> Burmeister, 1838					
17 <i>Bucrates capitatus</i> (DeGeer, 1773)	Saussure & Pictet 1898 Saussure & Pictet 1898	Ara, By, Bl, Cl, Cun, Ce, Cq, Ma, Met, Snt, To, VC1	And, Car, Ori, Pac	23 - 1500	MUSENUV (21761-21767, 21775); ICN-MHNOR00640-54
<i>Locusta capitata</i> DeGeer, 1773	Saussure & Pictet 1898				
<i>Bucrates latifrons</i> Walker, 1869 syn.	Naskrecki 2000				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
18 <i>Bucrates clausus</i> (Scudder, 1878)	Redtenbacher 1891	Cun	And	2619	
<i>Conocephalus clausus</i> Scudder, 1878	Naskrecki 2000				
<i>Conocephalus laticeps</i> Redtenbacher, 1891 syn.	Naskrecki 2000				
<i>Homorocoryphus clausus</i> (Scudder, 1878)	Eades <i>et al.</i> 2011				
<i>Conocephaloides clausus</i> (Scudder, 1878)	Eades <i>et al.</i> 2011				
<i>Neoconocephalus clausus</i> (Scudder, 1878)	Otte 1997				
<i>Caulopsis</i> Redtenbacher, 1891	Saussure & Pictet 1898				
19 <i>Caulopsis microprora</i> Hebard, 1927	Hebard 1927(1926)	Cs, Cho, Ma, VC	Car, Ori, Pac	36 - 180	MUSENUV 20903; ICN-MHNOR00830
<i>Copiphora</i> Serville, 1831	Naskrecki 2000				
20 <i>Copiphora brevicauda brevicauda</i> Karny, 1907	Naskrecki 2000	Cun, VC1, To, Vch	Amz, And, Pac	180 - 1380	MUSENUV (20914-15)
21 <i>Copiphora brevirostris</i> Stål, 1873	Saussure & Pictet 1898	Ant, Bl, Cho, VC1	And, Car, Pac	5 - 2184	MUSENUV (20910-20913); ICN-MHNORt (031, 032)
22 <i>Copiphora colombiae</i> Hebard, 1927	Hebard 1927(1926)	By, Gn, Met	Amz, And, Ori	580 - 650	ICN-MHNOR (00668, 00670-71)
23 <i>Copiphora coronata</i> Redtenbacher, 1891	Saussure & Pictet 1898	Ama	Amz	80	MPUJ-ORT 1834
24 <i>Copiphora cornuta</i> (DeGeer, 1773)	Hebard 1927(1926)				
<i>Locusta cornuta</i> Degeer, 1773	Eades <i>et al.</i> 2011				
<i>Copiphora cornuta denticornis</i> Hebard, 1927	Hebard 1927(1926)	Cun, Met	And, Ori	300 - 1045	ICN-MHNOR (00665-67, 00669)
25 <i>Copiphora gorgonensis</i> Montealegre-Z. & Postles, 2010	Montealegre-Z. & Postles 2010	Cau	Pac	0 - 320	MUSENUV
26 <i>Copiphora longicauda</i> Serville, 1831	Saussure & Pictet 1898	Cun, VC1	And, Pac	18 - 1000	MUSENUV (20907-20909, 21878)
<i>Copiphora conspersa</i> Stål, 1874 syn.	Eades <i>et al.</i> 2011				
<i>Copiphora licornis</i> Pictet, 1888 syn.	Saussure & Pictet 1898				
<i>Daedalellus</i> Uvarov, 1940	Eades <i>et al.</i> 2011				
27 <i>Daedalellus waehnerorum</i> (Günther, 1940)	Eades <i>et al.</i> 2011	Ama	Amz	83 - 90	MPUJ-ORT (2003, 2060, 1985, 029); MPUJ-ORT (025, 32, 041, 048, 054, 055, 013, 099)
<i>Daedalus waehnerorum</i> Günther, 1940	Eades <i>et al.</i> 2011				
<i>Erioloides</i> Hebard, 1927	Hebard 1927				
28 <i>Erioloides spiniger</i> (Redtenbacher, 1891)	Hebard 1927	Cau, Cun, VC1, To, Pu	And, Ama, Pac	20 - 1800	MUSENUV (20898-20900); ICN-MHNOR00826; MPUJ (676, 670); IMCN1445

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Eriolus spiniger</i> Redtenbacher, 1891	Hebard 1927				
<i>Lirometopum</i> Scudder, 1875	Naskrecki 2000				
29 <i>Lirometopum coronatum</i> Scudder, 1875	Naskrecki 2000				
<i>Moncheca</i> Walker, 1869	Hebard				
30 <i>Moncheca elegans</i> (Giglio-Tos, 1898)	1927(1926) Naskrecki 2000	Ama, By, Ce, Cor, Cun, Met, Pu, Snt	Amz, And, Car, Ori	177 - 1690	ICN-MHNOR (00676-80, 00682- 86)
<i>Exocephala elegans</i> Giglio-Tos, 1898	Naskrecki 2000				
31 <i>Moncheca pretiosa</i> Walker, 1869	Hebard 1927(1926)	By, Cl, Cau, Cun, Ma, Met, Qu2, Ri, Snt, To, VC1	And, Car, Ori, Pac	50 - 2735	ICN- MHNOR00674-75; MPUJ-825; MUSENUV 20886- 94
<i>Exocephala bisulca</i> Kirby, 1906 syn.	Saussure & Pictet 1898				
32 <i>Moncheca viridis</i> (Redtenbacher, 1891)	Eades <i>et al.</i> 2011	Met	Ori	500	
<i>Exocephala viridis</i> Redtenbacher, 1891	Redtenbacher 1891				
<i>Neoconocephalus</i> Karny, 1907	Naskrecki 2000				
33 <i>Neoconocephalus affinis</i> (Palisot de Beauvois, 1805)	Naskrecki 2000	Ama, Ant, By, Cau, Cl, Cq, Ce, Cho, Cun, Hu, Ma, Met, Ri, Snt, To, VC1	Amz, And, Car, Ori, Pac	11 - 2568	MUSENUV (20992, 21768-21780, 21786-21797); IMCN (1439, 8855); ICN-MHNORt040- 42; MPUJ-ORT (2124, 1123)
<i>Locusta affinis</i> Palisot de Beauvois, 1805	Naskrecki 2000				
<i>Conocephalus guttatus</i> Serville, 1839 syn.	Naskrecki 2000				
<i>Conocephaloides crassus</i> Bolivar, 1881	Naskrecki 2000				
syn.					
<i>Conocephalus nigropunctatus</i>	Naskrecki 2000				
Redtenbacher, 1891 syn.					
<i>Conocephalus aztecus</i> Saussure & Pictet, 1898 syn.	Naskrecki 2000				
34 <i>Neoconocephalus alienus</i> (Walker, 1869)	Eades <i>et al.</i> 2011	By, Cor, Cun	And	839 - 1657	MUD (3256, 3122, 3257, 3109)
<i>Conocephalus alienus</i> Walker, 1869	Eades <i>et al.</i> 2011				
35 <i>Neoconocephalus brachypterus</i> (Redtenbacher, 1891)	Hebard 1927(1926)	Cun, To, Met	And	500 - 1760	UNAB
<i>Conocephalus brachypterus</i> Redtenbacher, 1891	Hebard 1927(1926)				
<i>Conocephaloides brachypterus</i> (Redtenbacher, 1891)	Eades <i>et al.</i> 2011				
36 <i>Neoconocephalus brunneri</i> (Redtenbacher, 1891)	Redtenbacher 1891	Cun, Met, To, Snt	And, Ori	360 - 1690	UNAB
<i>Conocephalus brunneri</i> Redtenbacher, 1891	Redtenbacher 1891				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Conocephaloides brunneri</i> (Redtenbacher, 1891) syn.	Eades <i>et al.</i> 2011				
<i>Homorocoryphus brunneri</i> (Redtenbacher, 1891) syn.	Rehn 1918				
37 <i>Neoconocephalus ensiger</i> (Harris, 1841)	Rehn & Hebard 1915(1914)	Met	Ori		UNAB
<i>Conocephalus ensiger</i> Harris, 1841	Redtenbacher 1891				
<i>Conocephaloides ensiger</i> (Harris, 1841) syn.	Eades <i>et al.</i> 2011				
38 <i>Neoconocephalus exaltatus</i> (Walker, 1869)	Eades <i>et al.</i> 2011	Cun	And	1657	MUD-3119, 3227
<i>Conocephalus exaltatus</i> Walker, 1869	Eades <i>et al.</i> 2011				
<i>Conocephalus pustulatus</i> Redtenbacher, 1891 syn.					
39 <i>Neoconocephalus infuscatus</i> (Scudder, 1875)	Rehn 1917	Ant	And		
<i>Conocephalus infuscatus</i> Scudder, 1875	Rehn 1917				
<i>Conocephaloides infuscatus</i> (Scudder, 1875)	Eades <i>et al.</i> 2011				
40 <i>Neoconocephalus maxillosus</i> (Fabricius, 1775)	Hebard 1927	Ama, Ant, By, Bl, Cun, Cs, Gv, Hu, Ma, Met, Qu2, Snt, To, VC1	Amz, And, Car, Ori, Pac	0 - 3210	MUSENUV (21821 - 21832); ICN-MHNOR (t042-43, 00563-70)
<i>Locusta maxillosa</i> Fabricius, 1775	Hebard 1927				
<i>Locusta lanceolata</i> Palisot de Beauvois, 1805 syn.	Eades <i>et al.</i> 2011				
<i>Conocephalus abbreviatus</i> Walker, 1869 syn.	Eades <i>et al.</i> 2011				
<i>Conocephalus viridator</i> Walker, 1869 syn.	Eades <i>et al.</i> 2011				
<i>Conocephalus heteropus</i> Bolivar, 1881 syn.	Eades <i>et al.</i> 2011				
<i>Conocephalus muticus</i> Redtenbacher, 1891 syn.	Redtenbacher 1891				
<i>Conocephaloides maxillosus</i> (Fabricius, 1775)	Eades <i>et al.</i> 2011				
41 <i>Neoconocephalus pichincha</i> (Bolivar, 1881)	Saussure & Pictet 1898	By, Cun, Cq, Met, VC1	Amz, And, Ori, Pac	270 - 2152	MUSENUV (21781-21785); ICN-MHNOR00719
<i>Conocephalus pichincha</i> Bolivar, 1881	Saussure & Pictet 1898				
<i>Conocephaloides pichincha</i> (Bolivar, 1881)	Eades <i>et al.</i> 2011				
42 <i>Neoconocephalus productus</i> (Karny, 1907)	Hebard 1927(1926)	Met	Ori	500	
<i>Conocephalus productus</i> Karny, 1907	Hebard 1927(1926)				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
43 <i>Neoconocephalus punctipes</i> (Redtenbacher, 1891)	Naskrecki 2000	By, Cq, Cun, Hu, Met, Qu, Ns, To, VC1	Ama, And, Ori, Pac	75 - 2548	MUSENUV (21833, 21843); IMCN (1443); ICN-MHNOR (00614 00616, 00624, 00628, 00690)
<i>Conocephalus punctipes</i> Redtenbacher, 1891	Naskrecki 2000				
<i>Conocephaloides surinamensis</i> Redtenbacher, 1891 syn.	Naskrecki 2000				
<i>Conocephaloides punctipes</i> (Redtenbacher, 1891)	Eades <i>et al.</i> 2011				
44 <i>Neoconocephalus spiza</i> Walker & Greenfield, 1983	Nickle 1992	Cl, Met	And, Ori	178	MUD (3249, 3254)
45 <i>Neoconocephalus triops</i> (Linnaeus, 1758)	Naskrecki 2000	Ama, Ant, At, Bl, By, Cau, Ce, Cho, Cun, Cs, Hu, Ma, Met, Qu2, Ri, Snt, To, VC1, Vch	Amz, And, Car, Ori, Pac	0 - 2600	MUSENUV (21798-21820), ICN-MHNOR (348, 00561, 00562, 00598-609); MPUJ (719,1095)
<i>Gryllus (Tettigonia) triops</i> Linnaeus, 1758	Linnaeus 1758				
<i>Conocephaloides triops</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Conocephalus triops</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Conocephalus bilineatus</i> Thunberg, 1815	Naskrecki 2000				
<i>Conocephalus obtusus</i> Burmeister, 1838	Naskrecki 2000				
<i>Conocephalus contingens</i> Walker, 1869	Naskrecki 2000				
<i>Conocephalus dissimilis</i> Serville, 1838	Naskrecki 2000				
<i>Conocephaloides exilis</i> Kirby, 1906	Naskrecki 2000				
<i>Conocephalus fuscostriatus</i> Redtenbacher, 1891	Naskrecki 2000				
<i>Conocephalus hebes</i> Scudder, 1878	Naskrecki 2000				
<i>Conocephalus insulanus</i> Scudder, 1893	Naskrecki 2000				
<i>Conocephalus macropterus</i> Redtenbacher, 1891	Naskrecki 2000				
<i>Conocephalus nigrolimbatus</i> Redtenbacher, 1891	Naskrecki 2000				
<i>Conocephalus obscurellus</i> Redtenbacher, 1891	Naskrecki 2000				
<i>Neoconocephalus mexicanus tibialis</i> Karny, 1907	Naskrecki 2000				
<i>Oxyprora</i> Stål, 1873					
46 <i>Oxyprora curvirostris</i> Redtenbacher, 1891	Redtenbacher 1891	Ama	Amz		MPUJ
47 <i>Oxyprora gladiatrix</i> (Piza, 1980)	Chamorro-Rengifo & Braun 2010	Ama	Amz	80	MPUJ
<i>Liliella gladiatrix</i> Piza, 1980					

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Panacanthus</i> Walker, 1869	Saussure & Pictet 1898				
48 <i>Panacanthus gibbosus</i> Montealegre-Z. & Morris, 2004	Montealegre-Z. & Morris 2004	Na			
49 <i>Panacanthus intensus</i> Montealegre-Z. & Morris, 2004	Montealegre-Z. & Morris 2004	VC	Pac	102 - 690	MUSENUV (21890-21895); IMCN1435
50 <i>Panacanthus lacrimans</i> Montealegre-Z. & Morris, 2004	Montealegre-Z. & Morris 2004	VC	Pac, And	102 - 680	MUSENUV (20989, 21885-21889)
51 <i>Panacanthus pallicornis</i> (Walker, 1869)	Montealegre-Z. & Morris 2004	Ant, By, Cho, Qu2, Ri2, Snt, VC, To	And, Pac	28 - 2450	MUSENUV (21879-21884, 21351-21354); ICN-MHNOR00639
<i>Storniza pallicornis</i> Walker, 1869	Montealegre-Z. & Morris 2004				
<i>Panacanthus tuberculatus</i> Redtenbacher, 1891 syn.	Montealegre-Z. & Morris 2004				
52 <i>Panacanthus varius</i> Walker, 1869	Montealegre-Z. & Morris 2004	Na	And	1270 - 1370	
<i>Parabucrates</i> Scudder, 1897	Otte 1997				
53 <i>Parabucrates brevicauda</i> (Scudder, 1869)	Eades <i>et al.</i> 2011	Ara, Cun, Gn, Met, Pu	And, Amz, Ori	140 - 822	ICN-MHNOR00655-63
<i>Conocephalus brevicauda</i> Scudder, 1869	Eades <i>et al.</i> 2011				
<i>Conocephalus cocanus</i> Bolivar, 1881 syn.	Eades <i>et al.</i> 2011				
<i>Pyrgocorypha</i> Stål, 1873	Naskrecki 2000				
54 <i>Pyrgocorypha hamata</i> (Scudder, 1878)	Naskrecki 2000	Met	Ori		UNAB
<i>Conocephalus hamatus</i> Scudder, 1878	Naskrecki 2000				
<i>Santandera</i> Koçak & Kemal, 2008	Koçak & Kemal 2008				
55 <i>Santandera robusta</i> (Hebard, 1927)	Koçak & Kemal 2008	Ns	And	1510	
<i>Ocana robusta</i> Hebard, 1927	Hebard 1927(1926)				
<i>Vestria</i> Stål, 1874	Naskrecki 2000				
56 <i>Vestria punctata</i> (Redtenbacher, 1891)	Naskrecki 2000	Cun, VC1	And, Pac	700 - 1115	MUSENUV (20901, 20902); EFUDFJC (439)
<i>Exocephala punctata</i> Redtenbacher, 1891	Naskrecki 2000				
<i>Moncheca punctata</i> (Redtenbacher, 1891)	Eades <i>et al.</i> 2011				
57 <i>Vestria repanda</i> (Walker, 1869)	Hebard 1927(1926)	Cun, Met	And, Ori	500	
<i>Locusta repanda</i> Walker, 1869	Hebard 1927(1926)				
<i>Vestria nigricauda</i> Stål, 1874 syn.	Hebard 1927(1926)				
<u>Hexacentrinae Karny, 1925</u>	Gorochoy 2007				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<u>Ecuanedubini Braun, Chamorro-Rengifo & Morris, 2009</u>	Braun <i>et al.</i> 2009				
<i>Ecuaneduba</i> Gorochov, 2006	Gorochov 2006				
58 <i>Ecuaneduba gambitaensis</i> Chamorro-Rengifo, 2009	Braun <i>et al.</i> 2009	Snt	And	2600	ICN-MHNOR01133
59 <i>Ecuaneduba inzaensis</i> Chamorro-Rengifo, 2009	Braun <i>et al.</i> 2009	Cau	And	2200	ICN-MHNOR01132
<u>Listroscolidinae Redtenbacher, 1891</u>					
<i>Arachnoscelis</i> Karny, 1911	Nickle 2002				
60 <i>Arachnoscelis arachnoides</i> (Redtenbacher, 1891)	Saussure & Pictet 1898				
<i>Listroscolis arachnoides</i> Redtenbacher, 1891	Redtenbacher 1891				
<u>Meconematinae Burmeister, 1840</u>	Beier 1962				
<u>Phlugidini Eichler, 1938</u>	Nickle 2005				
<i>Odontophlugis</i> Gorochov, 1998	Gorochov 1998				
61 <i>Odontophlugis pehlkei</i> (Kästner, 1932)	Gorochov 1998				
<i>Phlugis pehlkei</i> Kästner, 1932	Gorochov 1998				
<i>Phlugis</i> Stål, 1861	Nickle 2005				
62 <i>Phlugis abnormis</i> (Redtenbacher, 1891)	Bruner 1915	Ant, VC1	Pac	96 - 500	MUSENUV 21897-98
<i>Thysdrus abnormis</i> Redtenbacher, 1891	Hebard 1927(1926)				
63 <i>Phlugis caudata</i> (Redtenbacher, 1891)	Bruner 1915	VC1	Pac	70	MUSENUV 21901
<i>Thysdrus caudata</i> Redtenbacher, 1891	Redtenbacher 1891				
64 <i>Phlugis chelifera</i> Rehn, 1918	Hebard 1933	Met	Ori	500	
65 <i>Phlugis chrysopa</i> Bolívar, 1888	Bolívar 1888	Ma	Car	39	
<i>Thysdrus infirmus</i> Saussure & Pictet, 1898 syn.	Saussure & Pictet 1898				
<i>Thysdrus mexicanus</i> Saussure & Pictet, 1898 syn.	Saussure & Pictet 1898				
66 <i>Phlugis macilenta</i> (Redtenbacher, 1891)	Bruner 1915				
<i>Thysdrus macilentus</i> Redtenbacher, 1891	Bruner 1915				
67 <i>Phlugis poecila</i> Hebard, 1927	Hebard 1927	Ant, Ma, VC1, By, To, Cun, Cs, VC	And, Car, Pac	39 - 1575	MUSENUV 21902; MPUJ-ORT 857
68 <i>Phlugis simplex</i> Hebard, 1927	Hebard 1927	VC1	And	1000	MUSENUV 21899
69 <i>Phlugis teres</i> (DeGeer, 1773)	Hebard 1927	Ant, VC1	Pac	18	MUSENUV (21903-21906)
<i>Locusta teres</i> DeGeer, 1773	Hebard 1927				
<i>Phlugis mantispa</i> Bolivar, 1888 syn.	Hebard 1924				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Thysdrus teres</i> (DeGeer, 1773)	Stål 1874				
<i>Phlugiola</i> Karny, 1907	Rehn 1918				
70 <i>Phlugiola redtenbacheri</i> Karny, 1907	Rehn 1918	Ama	Amz		MPUJ
<u>Mecopodinae Brunner von Wattenwyl, 1878</u>	Redtenbacher 1982				
<i>Encentra</i> Redtenbacher, 1892	Redtenbacher 1982				
71 <i>Encentra longipes</i> Redtenbacher, 1892	Redtenbacher 1982	Ant, Cau, VC	And	1500 - 2184	ICN-MHNOR00954-55; MUSENUV 20776
<i>Tabaria</i> Walker, 1870	Walker 1870				
72 <i>Tabaria opilioides</i> Walker, 1870	Walker 1870	Snt	And	150 - 2600	ICN-MHNOR01116; MPUJ-ORT (001-ORT002)
<u>Phaneropterinae Burmeister, 1838</u>	Burmeister 1838				
<u>Dysoniini Rehn, 1949</u>	Rehn 1950(1949)				
<i>Markia</i> White, 1862	Montealegre-Z. <i>et al.</i> 1993				
73 <i>Markia hystrix</i> (Westwood, 1844)	Nickle 1992	Ant, Qui, Ri, VC1	And	1500 - 1899	MUSENUV (20779, 20780); ICN-MHNOR (00708, 00762)
<i>Phaneroptera hystrix</i> Westwood, 1844	Eades <i>et al.</i> 2011				
74 <i>Markia major</i> (Brunner von Wattenwyl, 1878)	Márquez 1965				
<i>Machima major</i> Brunner von Wattenwyl, 1878	Márquez 1965				
<i>Dysonia</i> White, 1862	Rehn 1950(1949)				
75 <i>Dysonia alipes</i> (Westwood, 1844)	Hebard 1927(1926)	Ant, Cl, Ri	And	1850	MUD (ORT 3114, 3115)
<i>Phaneroptera alipes</i> Westwood, 1844	Hebard 1927(1926)				
76 <i>Dysonia holgeri</i> Cadena-Castañeda, 2011	Cadena-Castañeda 2011	By	And		ICN-MHN ORT 00700, 048968
<i>Valna</i> Walker, 1869	Cadena-Castañeda 2011				
<i>Valna (Dissonulichen)</i> Cadena-Castañeda, 2011	Cadena-Castañeda 2011				
77 <i>Valna (Dissonulichen) simplicipes</i> (Brunner von Wattenwyl, 1878)	Cadena-Castañeda 2011	Ant, By, Cl, Cho, Cun, Met, Ri, Snt, VC	And, Pac, Ori	420 - 1591	MUD 046-ORT 3128
<i>Dysonia simplicipes</i> (Brunner von Wattenwyl, 1878)	Eades <i>et al.</i> 2011				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Aphidna simplicipes</i> Brunner von Wattenwyl, 1878	Eades <i>et al.</i> 2011				
<i>Quiva</i> Hebard, 1927					
78 <i>Quiva diaphana</i> Hebard, 1927	Hebard 1927(1926) Hebard 1927(1926)	Cun, Snt	And	900 - 1506	ICN-MHNOR00702-03
<i>Apolinaria</i> Rehn, 1950					
79 <i>Apolinaria hygracantha</i> (Karsch, 1896) <i>Machima hygracantha</i> Karsch, 1896	Rehn 1950(1949) Rehn 1950(1949) Rehn 1950(1949)	By	And	740	
<i>Lichenomorphus</i> Cadena-Castañeda, 2011					
80 <i>Lichenomorphus montealegrezi</i> Cadena-Castañeda, 2011	Cadena-Castañeda 2011 Cadena-Castañeda 2011	By, Qui	And		MUD 046 ORT
<i>Insarini</i> Rehn & Hebard, 1914					
<i>Dolichocercus</i> Rehn & Hebard, 1914					
81 <i>Dolichocercus latipennis</i> (Brunner von Wattenwyl, 1891) <i>Hormilia latipennis</i> Brunner von Wattenwyl, 1891 <i>Insara latipennis</i> (Brunner von Wattenwyl, 1891)	Rehn & Hebard 1914 Rehn & Hebard 1914 Eades <i>et al.</i> 2011	Ant, Met, Snt, VC	And, Ori, Pac	180 - 1000	MUSENUV (20801), ICN-MHNOR (00714, 00715, 00758)
82 <i>Dolichocercus peruvianus</i> (Brunner von Wattenwyl, 1891) <i>Hormilia peruviana</i> Brunner von Wattenwyl, 1891 <i>Insara peruviana</i> (Brunner von Wattenwyl, 1891)	Rehn 1917 Rehn 1917 Eades <i>et al.</i> 2011	Ama	Amz	70	MPUJ-ORT 2074
<i>Phaneropterini</i> Burmeister, 1838					
<i>Chloroscirtus</i> Saussure & Pictet, 1897					
83 <i>Chloroscirtus discocercus</i> Rehn, 1918	Saussure & Pictet 1898 Rehn 1918	Cun, Cho, Met, Qu2, To, VC1	And, Ori, Pac	30 - 2000	MUSENUV (20473-74); ICN-MHNOR00709-13; MUD-3106
84 <i>Montezumina mesembrina</i> Hebard, 1927 <i>Montezumina oblongoculata mesembrina</i> Hebard, 1927	Hebard 1927 Hebard 1927	VC1, To	And, Pac	650	MUSENUV (20826)
85 <i>Montezumina walkeri</i> Nickle, 1984	Nickle 1984	Ma			
<i>Scudderia</i> Stål, 1873					
	Rehn & Hebard 1914				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
Montezumina Hebard, 1925	Hebard 1925				
86 <i>Scudderia paronae</i> Griffini, 1896	Saussure & Pictet 1898	Cun, Met, To, Snt	And	336-1760	ICN-MHNOR (00799-800, 00922)
Steirodontini Emsley, 1970	Emsley 1970				
Cnemidophyllum Rehn, 1917	Rehn 1917a				
Cnemidophyllum (Eupeucestes) Hebard, 1927	Hebard 1927(1926)				
87 <i>Cnemidophyllum (Eupeucestes) citrifolium</i> (Linnaeus, 1758)	Emsley 1970	Ant, By, Cun, Cl, Ma, Met, Na, VC1	And, Car, Ori, Pac	70 - 1100	MUSENUV (20521, 20522); ICN-MHNOR (0009-11, 00522, 00545)
<i>Gryllus (Tettigonia) citrifolius</i> Linnaeus, 1758	Linnaeus 1758				
<i>Locusta citrifolia</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Locusta (Tettigonia) citrifolia</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Phylloptera citrifolia</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Posidippus citrifolius</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Phaneroptera citrifolia</i> (Linnaeus, 1758)	Eades <i>et al.</i> 2011				
<i>Peucestes striolatus</i> Brunner von Wattenwyl, 1878 syn.	Emsley 1970				
<i>Peucestes cristatissimus</i> Brunner von Wattenwyl, 1878 syn.	Emsley 1970				
<i>Locusta (Phylloptera) crassifolia</i> Haan, 1842 syn.	Emsley 1970				
<i>Peucestes lutesces</i> Piza Jr., S. de Toledo, 1933 syn.	Emsley 1970				
<i>Steirodon thoracicus</i> Serville, 1838 syn.	Serville 1838(1839)				
Cnemidophyllum (Cnemidophyllum) Rehn, 1917	Emsley 1970				
88 <i>Cnemidophyllum (Cnemidophyllum) eximium</i> Hebard, 1927	Emsley 1970	Ant, Ama, Snt, Pu, VC1	And, Ama, Pac	90 - 580	MUSENUV (20523); ICN-MHNOR (00546, 00551, 01131)
Cnemidophyllum (Peucestoides) Hebard, 1927	Hebard 1927(1926)				
89 <i>Cnemidophyllum (Peucestoides) stridulans</i> (Hebard, 1927)	Hebard 1927(1926)	Met	Ori	128	
<i>Peucestoides stridulans</i> Hebard, 1927	Hebard 1927(1926)				
Steirodon Serville, 1831	Emsley 1970				
Steirodon (Peucestes) Stål, 1874	Emsley 1970				
90 <i>Steirodon (Peucestes) careovirgulatum</i> Emsley, 1970	Emsley 1970	Na, VC1	And, Pac	0 - 1000	MUSENUV (20540-48, 20551-53); IMCN (8301, 8302)
91 <i>Steirodon (Peucestes) dentatum</i> (Stål, 1874)	Emsley 1970	At, Cs, By, Cun, Hu, Ma, Met, Ri, Snt, To, VC1	And, Car, Ori	19 - 1800	MUSENUV (20556, 20557, 21358); ICN-MHNOR (0003, 0005); MPUJ-ORT075

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Peucestes dentatum</i> Stål, 1874	Emsley 1970				
<i>Steirodon (Posidippus) Stål, 1874</i>	Emsley 1970				
92 <i>Steirodon (Posidippus) dentiferum</i> Walker, 1869	Emsley 1970	Cun, VC1, To	And	285 - 1200	MUSENUV 20558
93 <i>Steirodon (Posidippus) dohrni</i> (Brunner von Wattenwyl, 1891)	Emsley 1970	Pu, VC	Pac		MPUJ 606
<i>Posidippus dohrni</i> Brunner von Wattenwyl, 1891	Emsley 1970				
94 <i>Steirodon (Posidippus) stalii</i> (Brunner von Wattenwyl, 1878)	Emsley 1970	Cau, By, Ma, Ri2, To, VC	And, Car, Pac	5 - 1524	
<i>Posidippus stalii</i> Brunner von Wattenwyl, 1878	Emsley 1970				
<i>Posidippus validus</i> Saussure & Pictet, 1898 syn.	Saussure & Pictet 1898				
<i>Steirodon (Steirodon) Serville, 1831</i>	Emsley 1970				
95 <i>Steirodon (Steirodon) alfaroi</i> (Rehn, 1944)	Emsley 1970	By, To	And	446	UNAB
<i>Phyllolophus alfaroi</i> Rehn, 1944	Eades <i>et al.</i> 2011				
96 <i>Steirodon (Steirodon) ponderosum</i> Stål, 1873	Emsley 1970	Cq, Cun, Hu, Met, Pu, VC1, Ri, Snt, To	Amz, And, Ori	414 - 2100	MUSENUV 20560; ICN-MHNOR00040-42
<i>Phyllolophus ponderosus</i> (Stål, 1873)	Eades <i>et al.</i> 2011				
97 <i>Steirodon (Steirodon) validum</i> Stål, 1874	Emsley 1970	Met	Ori		
<i>Steirodon (Frontinus) Stål, 1873</i>	Eades <i>et al.</i> 2011				
98 <i>Steirodon (Frontinus) bilobatum</i> (Scudder, 1875)	Emsley 1970	Met, Ama	Amz, Ori	83 - 500	MPUJ-ORT 2089
<i>Steirodonopsis bilobata</i> Scudder, 1875	Bruner 1915				
<i>Steirodonopsis scudderi</i> Bruner, 1915 syn.	Bruner 1915				
99 <i>Steirodon (Frontinus) fastigosum</i> (Brunner von Wattenwyl, 1878)	Emsley 1970	Met, Pu	Ori, Amz	177 - 500	MUSENUV-20559; ICN-MHNOR00552
<i>Posidippus fastigosus</i> (Brunner von Wattenwyl, 1878)	Emsley 1970				
<i>Posidippus brunneri</i> Bolivar, 1881 syn.	Emsley 1970				
100 <i>Stilpnochlora acanthonotum</i> Nickle, 1985	Nickle 1985	Na, VC1	And, Pac	180 - 3010	MUSENUV (20514-18); IMCN (1388, 8291)
101 <i>Stilpnochlora aztecoides</i> Emsley, 1970	Emsley 1970	Ma, Met	Ori, Car	500 - 1183	
102 <i>Stilpnochlora incisa</i> Brunner von Wattenwyl, 1878	Brunner von Wattenwyl 1878	Cun, Met, Pu	Amz, Ori, And	350 - 500	(MUSENUV 20519-20); ICN-MHNOR00533-34
103 <i>Stilpnochlora lineolata</i> Emsley, 1970	Emsley 1970	Snt	And	800	UNAB
<i>Stilpnochlora Stål, 1873</i>	Saussure & Pictet 1898				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
104 <i>Stilpnochlora lineolataoides</i> Emsley, 1970	Emsley 1970	Met, Na, Ri, VC	And, Ori	510 - 1800	MUSENUV (20524-31-33); ICN-MHNOR (0013, 00528-29)
105 <i>Stilpnochlora marginella</i> (Serville, 1838)	Emsley 1970	Ant, Ara, By, Cau, Cl, Cun, Cs, Hu, Ma, Met, Ns, Qu2, Ri, Snt, To, VC1, Vch	And, Ori, Pac, Car	5 - 2493	MUSENUV (20525-20530, 20535-39, 21370-72); IMCN (8292-94); ICN-MHNOR (00531-32-36-39-47)
<i>Phylloptera marginella</i> Serville, 1838	Emsley 1970				
<i>Microcentrum marginellum</i> (Serville, 1838)	Emsley 1970				
<i>Microcentrum thoracicum</i> Scudder, 1863	Eades <i>et al.</i> 2011 syn.				
106 <i>Stilpnochlora quadrata</i> (Scudder, 1869)	Emsley 1970	Ant, Ara, By, Cun, Ma, VC1, Met, To, Cun, Snt	And, Car, Ori, Pac	5 - 2562	MUSENUV 20523; ICN-MHNOR (00530-38-35-39)
<i>Steirodon quadratum</i> Scudder, 1869	Emsley 1970				
<i>Microcentrum quadrata</i> (Scudder, 1869)	Emsley 1970				
<i>Phylloptera magnifolia</i> Walker, 1869	syn. Emsley 1970				
107 <i>Stilpnochlora rodgersae</i> Emsley, 1970	Emsley 1970	By, Cau, Cun, Met, Qu2, VC1, Snt, To	And	250 - 2800	MUSENUV 20534; EFUDFJC (414, 417, 418)
<u>Unkown Tribe</u>					
<i>Aegimia</i> Stål, 1874					
108 <i>Aegimia elongata</i> Rehn, 1903	Saussure & Pictet 1898 Hebard 1927	Cl, VC1	And, Pac	270 - 600	MUSENUV (20783-85); MPUJ-ORT 1141
<i>Aganacris</i> Walker, 1871					
109 <i>Aganacris insectivora</i> Grant, 1958	Grant 1958	By, Cun, Snt, VC1, To	And, Pac	555 - 1380	ICN-MHNOR00698-99; MUSENUV 20489
110 <i>Aganacris nitida</i> (Perty, 1832)	Grant 1958	Cun, Met, Vau	And, Ori, Ama	189 - 1630	UNAB
<i>Scaphura nitida</i> Perty, 1832	Grant 1958				
<i>Aganacris micans</i> Walker, 1871	syn. Grant 1958				
111 <i>Aganacris velutina</i> (Kirby, 1906)	Grant 1958	Cun, Met, Snt	And	385 - 500	MPUJ-ORT-311
<i>Scaphura velutina</i> Kirby, 1906	Grant 1958				
<i>Aganacris bicolor</i> Brunner von Wattenwyl, 1891	syn. Grant 1958				
112 <i>Aganacris pseudosphex</i> Grant, 1958	Grant 1958	Met	Ori	405	UNAB
<i>Anaulacomera</i> Stål, 1873					
	Saussure & Pictet 1898				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
113 <i>Anaulacomera apolinari</i> Hebard, 1927	Hebard 1927(1926)	Cun, VC1	And	2300	MUSENUV (20687)
114 <i>Anaulacomera asema</i> Hebard, 1927	Hebard 1927(1926)	Cun	And	799 - 1728	ICN-MHNOR (00851, 00853, 00858)
115 <i>Anaulacomera biloba</i> Brunner von Wattenwyl, 1878	Hebard 1927(1926)	Cho	Pac	36	
116 <i>Anaulacomera biramosa</i> Brunner von Wattenwyl, 1891	Brunner von Wattenwyl 1891	Hu	And		
117 <i>Anaulacomera caucana</i> Hebard, 1927	Hebard 1927	Cau, Ri, VC1	And	1906 - 2500	MUSENUV (20660, 20661); MPUJ-635, 722
118 <i>Anaulacomera crassidentata</i> Hebard, 1927	Hebard 1927	VC	And	1400	UNAB
119 <i>Anaulacomera dentata</i> Brunner von Wattenwyl, 1878	Emsley & Nickle 1969	Ama, Ant, Met	Ama, And, Ori	80 - 500	MPUJ 1245
120 <i>Anaulacomera furcata</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898	Bl, Cun, Met, Qu2, VC1, To	And, Car, Ori, Pac	5 - 1300	MUSENUV (20662, 20670); ICN-MHNORt (001-03, 00852, 00869)
121 <i>Anaulacomera gibbera</i> Hebard, 1927	Hebard 1927(1926)	Cun, Snt	And	130	MPUJ-ORT 128
122 <i>Anaulacomera gracilis</i> Brunner von Wattenwyl, 1891	Hebard 1927(1926)	At, Bl	Car	14 - 23	
123 <i>Anaulacomera hirsuta</i> Hebard, 1927	Hebard 1927(1926)	Cun, Snt	And	1000 - 1045	ICN-MHNOR (00854, 00863)
124 <i>Anaulacomera invisa</i> Hebard, 1927	Hebard 1927(1926)	By, Cun, Met, Ri, Suc, To	And, Car	60 - 1656	MUD (3157, 3297, 3214, 3215)
125 <i>Anaulacomera inermis</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898	Cun	And	1634	
126 <i>Anaulacomera lanceolata</i> Brunner von Wattenwyl, 1878	Hebard 1927(1926)	By, Cun, Met, Ris, To, Snt, VC	And	325 - 2900	UNAB
127 <i>Anaulacomera laticauda</i> Brunner von Wattenwyl, 1878	Hebard 1927	Cun	And	2200	MPUJ-ORT 110
128 <i>Anaulacomera latifolia</i> Brunner von Wattenwyl, 1878	Hebard 1927(1926)	Cun	And	1665 - 2619	
129 <i>Anaulacomera lativertex</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898	Cun	And	2619	
130 <i>Anaulacomera maculata</i> Brunner von Wattenwyl, 1878	Eades <i>et al.</i> 2011	Cun	And	2619	

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
131 <i>Anaulacomera phaula</i> Hebard, 1927	Hebard 1927(1926)	By, Cq, Cun, Met, To	Amz, And, Ori	203 - 740	ICN-MHNOR00862
132 <i>Anaulacomera poculigera</i> Hebard, 1924	Hebard 1924	To, Ri	And	750	MPUJ-ORT 1400
133 <i>Anaulacomera spatulata</i> Hebard, 1927	Hebard 1927	Cun, Met, Qu2, VC1, To	And, Ori, Pac	10 - 1800	MUSENUV (20652-20655); ICN-MHNOR (00864, 00866, 00855)
134 <i>Anaulacomera sulcata</i> Brunner von Wattenwyl, 1878	Prinzessin von Bayern 1900	To	And	2680	
135 <i>Anaulacomera uncinata</i> Hebard, 1927	Hebard 1927	Met, Qu2, VC1	And, Ori, Pac	180 - 2600	MUSENUV (20685, 20686); IMCN (1196, 8295, 8296); ICN-MHNOR00860
<i>Bolivariola</i> Uvarov, 1939		Otte 1997			
136 <i>Bolivariola conjuncta</i> (Hebard, 1933)	Hebard 1933	Cl	And	2162	
<i>Bolivarita conjuncta</i> Hebard, 1933	Hebard 1933				
<i>Ceraia</i> Brunner von Wattenwyl, 1891		Saussure & Pictet 1898			
137 <i>Ceraia dentata</i> (Brunner von Wattenwyl, 1878)	Emsley & Nickle 1969	Ama, Cun, Met	Amz, And, Ori	180 - 500	ICN-MHNOR00832
<i>Scudderia dentata</i> Brunner von Wattenwyl, 1878	Emsley & Nickle 1969				
<i>Ceraia festae</i> Giglio-Tos, 1898 syn.	Emsley & Nickle 1969				
138 <i>Ceraia hemidactyla</i> (Rehn & Hebard, 1914)	Hebard 1927(1926)	Cun, Met, Qu2, Ri2, VC1, To	And, Ori	180 - 1900	MUSENUV (20688); UNAB
<i>Scudderia hemidactyla</i> Rehn & Hebard, 1914	Rehn & Hebard 1914				
139 <i>Ceraia maxima</i> Brunner von Wattenwyl, 1891	Emsley & Nickle 1969	Ama, Met	Amz, Ori	80 - 140	MPUJ-ORT 1824
140 <i>Ceraia mytra</i> Grant, 1964	Grant 1964	Ant, Cho, Cun	And, Pac	444 - 1500	ICN-MHNOR (00794, 00833); MPUJ-680
141 <i>Ceraia peraccae</i> Griffini, 1896	Saussure & Pictet 1898	By, Cor, Cun, Met, To, VC1	And, Ori	144 - 2200	MUSENUV (20635, 20636); ICN-MHNOR (00796-98, 00834); MPUJ-ORT (068-70, 1116)
142 <i>Ceraia striata</i> Emsley & Nickle, 1969	Emsley & Nickle 1969	Ant	And	2184	
143 <i>Ceraia tibialis</i> Brunner von Wattenwyl, 1891	Hebard 1927(1926)	Met, Ama	Amz, Ori	180 - 1045	ICN-MHNOR00791

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
144 <i>Ceraia tibialoides tibialoides</i> Emsley & Nickle, 1969	Emsley & Nickle 1969	By, Cun, Qu2, Snt, VC1	And, Pac	100 - 1500	MUSENUV (20637, 20643); ICN-MHNOR (00697, 00792, 00793, 00795)
<i>Ceraiaella</i> Hebard, 1933					
145 <i>Ceraiaella triannulata</i> Hebard, 1933	Hebard 1933	Na	And		
<i>Ectemna</i> Brunner von Wattenwyl, 1878					
146 <i>Ectemna dumicola</i> Saussure & Pictet, 1897	Saussure & Pictet 1898 Saussure & Pictet 1898	Bl, Cun, Met, VC1, Snt	And, Ori, Pac	40 - 1800	MUSENUV (20617-20626); ICN-MHNOR (00696, 01128, 01125-27, 01129-30)
147 <i>Ectemna carinata</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898				
<i>Euceraia</i> Hebard, 1927					
148 <i>Euceraia acreana</i> (Piza, 1973) <i>Zenirella acreana</i> Piza, 1973	Hebard 1927(1926) Piza Jr. 1973 Chamorro-Rengifo & Braun 2010	Ama	Amz	100	MPUJ-653
149 <i>Euceraia atryx</i> Grant, 1964	Grant 1964	Snt	And	900	ICN-MHNOR00789
150 <i>Euceraia femorata</i> (Chopard, 1918) <i>Ceraia femorata</i> Chopard, 1918	Grant 1964 Grant 1964	Ama	Amz		MPUJ-ORT 2140
151 <i>Euceraia insignis</i> Hebard, 1927	Hebard 1927(1926)	Ant, Ma, Ns, VC1	Car, And, Pac	70 - 2030	MUSENUV (20627, 20630); ICN-MHNOR00790; IMCN1510
152 <i>Euceraia rufovariegata</i> (Chopard, 1918) <i>Ceraia rufovariegata</i> Chopard, 1918	Grant 1964 Grant 1964	Ama	Amz	80	MPUJ-ORT 2212
<i>Harroweria</i> Hebard, 1927					
153 <i>Harroweria gloriosa</i> Hebard, 1927	Hebard 1927	VC1	Pac	400	MUSENUV 20488
<i>Hyperphrona</i> Brunner von Wattenwyl, 1878					
154 <i>Hyperphrona coerulescens</i> Brunner von Wattenwyl, 1891	Bruner 1915	Ama, Met	Amz, Ori	60 - 70	MPUJ
155 <i>Hyperphrona irregularis</i> Brunner von Wattenwyl, 1891	Saussure & Pictet 1898	Ama	Amz	100	ICN-MHNOR00812
156 <i>Hyperphrona nitidipennis</i> (Stål, 1874) <i>Plagioptera nitidipennis</i> Stål, 1874	Hebard 1927(1926) Hebard 1927(1926)	By	And	740	

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
157 <i>Hyperphrona trimaculata</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898	VC1, Cau1	Pac	10 - 170	IaVH
<i>Itarissa</i> Walker, 1869	Hebard 1927(1926)				
158 <i>Itarissa amazonica</i> Rehn, 1917	Rehn 1917a	Ama	Amz	180	ICN-MHNOR00786
159 <i>Itarissa costaricensis</i> (Rehn, 1917)	Hebard 1927(1926)	By, Ma, Snt, VC1	And, Car, Pac	180 - 950	MUSENUV (20470, 20471); IMCN 1310; ICN-MHNOR00783-84
<i>Coelophyllum costaricense</i> Rehn, 1917	Hebard 1927(1926)				
<i>Itarissa costaricensis gracilior</i> Hebard, 1927	Hebard 1927(1926)				
160 <i>Itarissa crenulata</i> (Brunner von Wattenwyl, 1891) <i>Prosagoga crenulata</i> Brunner von Wattenwyl, 1891	Hebard 1927(1926) Hebard 1927(1926)	Cun	And		
161 <i>Itarissa rectinervis</i> (Brunner von Wattenwyl, 1891) <i>Prosagoga rectinervis</i> Brunner von Wattenwyl, 1891 <i>Coelophyllum rectinervis</i> (Brunner von Wattenwyl, 1891)	Eades <i>et al.</i> 2011 Brunner von Wattenwyl 1891 Rehn 1918	Ama	Amz	70	MPUJ-ORT 2128
162 <i>Itarissa subcrenulata</i> Hebard, 1927	Hebard 1927(1926)	Met	Ori	500	
<i>Lamprophyllum</i> Hebard, 1924	Montealegre-Z. <i>et al.</i> 1993				
163 <i>Lamprophyllum micans</i> Hebard, 1924	Hebard 1927	Ant, VC1, To	And, Pac	100 - 811	MUSENUV (20599, 20602); IMCN (1480)
<i>Microcentrum</i> Scudder, 1863	Saussure & Pictet 1898				
164 <i>Microcentrum championi</i> Saussure & Pictet, 1898	Saussure & Pictet 1898	VC	Pac	70 - 500	MUJ 607, MUJ-ORT 140
165 <i>Microcentrum concisum</i> Brunner von Wattenwyl, 1878 <i>Orophus concisus</i> (Brunner von Wattenwyl, 1878)	Hebard 1933 Eades <i>et al.</i> 2011	Cun	And		UNAB
166 <i>Microcentrum philammon</i> Rehn, 1918	Rehn 1918	Ant, Ama, By, Cun, Cho, Hu, Ma, Met, Na, Qu2, Snt, To, VC1	And, Car, Ori, Pac	0 - 2640	IMCN 8288; MUSENUV (20566-78, 84-88); MPUJORT065; ICN-MHNOR (00803,00807-09)
<i>Orophus</i> Saussure, 1859	Saussure & Pictet 1898				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
167 <i>Orophus conspersus</i> (Brunner von Wattenwyl, 1878)	Hebard 1927	Ant, Cho, Snt, VC1	And, Pac	30 - 1000	MUSENUV (20794, 20800); IMCN 1283; ICN-MHNOR (00743-44, 00753-54-63)
<i>Anepsia conspersa</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898				
<i>Paragenes conspersa</i> (Brunner von Wattenwyl, 1878)	Saussure & Pictet 1898				
<i>Sagona conspersa</i> (Brunner von Wattenwyl, 1878)	Eades <i>et al.</i> 2011				
168 <i>Orophus ligatus</i> (Brunner von Wattenwyl, 1891)	Eades <i>et al.</i> 2011	To			
<i>Microcentrum ligatus</i> Brunner von Wattenwyl, 1891	Brunner von Wattenwyl 1891				
169 <i>Orophus tessellatus</i> (Saussure, 1861)	Saussure & Pictet 1898	By, Cho, Cun, To, VC1	And, Pac	0 - 1798	MUSENUV (20813, 20823); IMCN (8297, 8300); ICN-MHNOR00705-06; MPUJ-ORT 1903
<i>Phylloptera (Orophus) tessellata</i> Saussure, 1861	Saussure & Pictet 1898				
<i>Paragenes tessellata</i> (Saussure, 1861)	Saussure & Pictet 1898				
<i>Sagona tessellata</i> (Saussure, 1861)	Eades <i>et al.</i> 2011				
<i>Anepsia tessellata</i> (Saussure, 1861)	Saussure & Pictet 1898				
<i>Orophus subpunctata</i> Walker, 1869 syn.	Walker 1869				
<i>Orophus subnotata</i> Walker, 1869 syn.	Walker 1869				
<i>Orophus intacta</i> Walker, 1871 syn.	Eades <i>et al.</i> 2011				
<i>Phylloptera annulata</i> Rehn, 1901 syn.	Eades <i>et al.</i> 2011				
<i>Parableta</i> Brunner von Wattenwyl, 1878	Eades <i>et al.</i> 2011				
170 <i>Parableta integricauda</i> Brunner von Wattenwyl, 1878	Hebard 1927(1926)	Cun, Met, Snt	And, Ori	130 - 500	MPUJ-ORT 256
<i>Parascudderia</i> Brunner von Wattenwyl, 1891	Grant 1960				
171 <i>Parascudderia setrina</i> Grant, 1960	Grant 1960	Ama	Amz	134	MPUJ-679
172 <i>Parascudderia strigilis</i> Grant, 1960	Grant 1960	Ama	Amz	80	MPUJ-ORT 1860
<i>Petaloptera</i> Saussure, 1859	Saussure & Pictet 1898				
173 <i>Petaloptera zendala</i> Saussure, 1859	Saussure & Pictet 1898	Bl, By, Cun, Vc	And, Pac	2195	MUD 3103
<i>Plagiopleura</i> Stål, 1873	Eades <i>et al.</i> 2011				
174 <i>Plagiopleura consobrina</i> Brunner von Wattenwyl, 1891	Hebard 1927	Cun, Met	And, Ori	320 - 1045	
<i>Euthyrrhachis consobrina</i> (Brunner von Wattenwyl, 1891)	Hebard 1927(1926)				
<i>Philophyllia</i> Stål, 1873	Nickle 1992				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
175 <i>Philophyllia guttulata</i> Stål, 1873	Hebard 1927	Ama, Cl, Cau, Cho, Cun, Ma, Met, Pac, VC1, To	And, Ori, Ama, Car, Pac	40 - 1903	MUSENUV (20561- 20563, 20565); ICN- MHNOR00755; MPUJORT036
<i>Locusta laurifolia</i> Thunberg, 1815 syn.	Eades <i>et al.</i> 2011				
176 <i>Philophyllia ingens</i> Hebard, 1933	Hebard 1933	Snt, VC1	And, Pac	10 - 2133	MUSENUV (20579- 20582, 20593- 20598); IMCN (8289, 8290); ICN- MHNOR (00756-57)
<i>Phylloptera</i> Serville, 1831	Saussure & Pictet 1898				
<i>Phylloptera (Phylloptera)</i> Serville, 1831	Saussure & Pictet 1898				
177 <i>Phylloptera (Phylloptera) arata</i> Brunner von Wattenwyl, 1878	Hebard 1927(1926)	Ama, Cun, Met, Snt, VC1	Amz, And, Ori, Pac	180 - 1045	MUSENUV 20469; IMCN (1315, 1321); ICN-MHNOR (00894, 00902)
178 <i>Phylloptera (Phylloptera) contracta</i> Walker, 1869	Walker 1869	Ri	And	1900	MPUJ 628
179 <i>Phylloptera (Phylloptera) dimidiata</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898	Ant, By, Cho, Cl, Cun, Ri, Snt, VC1	And, Pac	10 - 2133	MUSENUV (20458- 20468); IMCN (1335, 1346); ICN- MHNOR (00752, 00759, 00889, I00893); MPUJ-ORT 1298
<i>Phylloptera (Phylloptera) finoti</i> Griffini, 1896 syn.	Hebard 1927				
<i>Turpilia grandis</i> Rehn, 1906 syn.	Hebard 1927				
180 <i>Phylloptera (Phylloptera) festae</i> Griffini, 1896	Nickle 1992	Ant, Cun, Ri, Snt, Ns, To	And	320 - 1798	ICN-MHNOR400, ICN- MHNOR00745-50, ICN- MHNOR00772-78, MPUJ-666
181 <i>Phylloptera (Phylloptera) panamae</i> Hebard, 1927	Hebard 1927	To, VC	And, Pac		MPUJ 1114; UNAB
182 <i>Phylloptera (Phylloptera)</i> <i>quinguemaculata</i> Bruner, 1915 <i>Proviadana</i> Hebard, 1933	Bruner 1915 Hebard 1933	Ama, Cun, Snt	Amz, And	180 - 1036	ICN-MHNOR 00760
183 <i>Proviadana lita</i> Hebard, 1933	Hebard 1933	Cun	And		
184 <i>Pycnopalpa bicordata</i> (Serville, 1925)	Hebard 1932	Cau, Cl, Cun, Qu2, Snt, VC1, To	And, Pac	75 - 2619	MUSENUV (20613- 20616); IMCN (1349); ICN- MHNOR (00751, 00761); MPUJ-663
<i>Pycnopalpa</i> Serville, 1838	Montealegre-Z. <i>et al.</i> 1993				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Locusta bicordata</i> Serville, 1825	Hebard 1927(1926)				
<i>Soria contaminata</i> Walker, 1869 syn.	Eades <i>et al.</i> 2011				
<i>Pyncopalpa mortuifolia</i> Rehn, 1903 syn.	Hebard 1927				
<i>Syntechna</i> Brunner von Wattenwyl, 1878	Saussure & Pictet 1898				
185 <i>Syntechna angulata</i> Hebard, 1924	Hebard 1924	Cun	And	1600 - 2043	UNAB
186 <i>Syntechna olivaceoviridis</i> Brunner von Wattenwyl, 1878	Hebard 1927(1926)	By, Cun, Hu, Met, Qu2	Ori, And	500 - 2480	ICN-MHNOR (00802, 00838, 00890)
187 <i>Syntechna tarasca</i> (Saussure, 1859)	Saussure & Pictet 1898	By, Cl, Cau, Cun, Cs, Hu, Met, Qu1, Ri, Snt, To, VC1	And, Ori	323 - 2620	MPUJ 748
<i>Phylloptera tarasca</i> Saussure, 1859	Saussure & Pictet 1898				
<i>Syntechna caudelli</i> Rehn, 1901 syn.	Eades <i>et al.</i> 2011				
<i>Tomeophera</i> Brunner von Wattenwyl, 1878	Bruner 1915				
188 <i>Tomeophera gladiatrix</i> Brunner von Wattenwyl, 1878	Eades <i>et al.</i> 2011				
189 <i>Tomeophera pugiunculata</i> Brunner von Wattenwyl, 1878	Bruner 1915	Ama	Amz		MPUJ-ORT 2181
<i>Anapolisia</i> Piza, 1980	Piza Jr. 1980				
190 <i>Anapolisia colossea</i> (Brunner von Wattenwyl, 1878)	Eades <i>et al.</i> 2011	Ant, By, Cau, Cun, Ma, Met, NS, Qu2, Ri, Snt, VC1, To, Pu	Ama, And, Pac, Car	9 - 1750	MUSENUV (20484- 20486); IMCN (1390); ICN- MHNOR (00716, 00779-82, 00801); MPUJ-699, ANDES- E14089
<i>Microcentrum colosseum</i> Brunner von Wattenwyl, 1878	Grant 1958				
<i>Rossophyllum colosseum</i> (Brunner von Wattenwyl, 1878)	Eades <i>et al.</i> 2011				
191 <i>Anapolisia clausa</i> (Grant, 1958)	Eades <i>et al.</i> 2011	Ama	Amz	60 - 83	MPUJORT (014, 003)
<i>Rossophyllum clausum</i> Grant, 1958	Grant 1958				
<i>Vellea</i> Walker, 1869	Montealegre-Z. <i>et al.</i> 1993				
192 <i>Vellea cruenta</i> (Burmeister, 1838)	Hebard 1927	Snt, Met, VC1	And, Ori	417 - 1200	MUSENUV 20481; CN-MHNOR00717, MPUJORT066
<i>Phaneroptera cruenta</i> Burmeister, 1838	Hebard 1927				
<i>Ceraia cruenta</i> (Burmeister, 1838)	Rehn 1905				
<i>Vellea rosea</i> Walker, 1869 syn.	Eades <i>et al.</i> 2011				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
193 <i>Vellea mexicana</i> Marquez, 1958	Márquez 1958(1957)	Cho, Qu2, Ri, VC	And, Pac	90 - 1150	MUSENUV 20482-83, ICN-MHNOR427
<i>Viadana</i> Walker, 1869					
194 <i>Viadana boyacae</i> Hebard, 1927	Hebard 1927(1926)	By	And	740 - 1400	ICN-MHNOR 206
195 <i>Viadana curvicercata</i> (Brunner von Wattenwyl, 1891)	Eades <i>et al.</i> 2011	Met	Ori	500	MPUJ-ORT 812
<i>Ctenophlebia curvicercata</i> Brunner von Wattenwyl, 1891	Brunner von Wattenwyl 1891				
196 <i>Viadana difformis</i> (Brunner von Wattenwyl, 1878)	Eades <i>et al.</i> 2011	Ama	Amz		MPUJ-ORT 2149
<i>Ctenophlebia difformis</i> Brunner von Wattenwyl, 1878	Brunner von Wattenwyl 1878				
197 <i>Viadana foreli</i> (Saussure & Pictet, 1898)	Hebard 1927(1926)	Bl, Ma	Car	9 - 33	
<i>Ctenophlebia foreli</i> Saussure & Pictet, 1898	Hebard 1927(1926)				
198 <i>Viadana longicercata</i> (Brunner von Wattenwyl, 1891)	Hebard 1933	Cun	And	1656	
<i>Ctenophlebia longicercata</i> Brunner von Wattenwyl, 1891	Hebard 1927(1926)				
199 <i>Viadana peruviana</i> (Brunner von Wattenwyl, 1878)	Eades <i>et al.</i> 2011	Ama	Amz	70	MPUJ-ORT 2183
<i>Ctenophlebia peruviana</i> Brunner von Wattenwyl, 1878	Brunner von Wattenwyl 1878				
200 <i>Viadana zetterstedti</i> (Stål, 1861)	Hebard 1927	Ant, Cun, Snt, VC1, Met, To	And, Pac, Ori	70 - 1900	MUSENUV (20791-20793); IMCN (1508); ICN-MHNOR00764-66; MPUJ-622
<i>Phylloptera zetterstedti</i> Stål, 1861	Hebard 1927				
<i>Ctenophlebia zetterstedti</i> (Stål, 1861)	Saussure & Pictet 1898				
<u>Pseudophyllinae Burmeister, 1840</u>					
<u>Cocconotini Brunner von Wattenwyl, 1895</u>					
<i>Bliastes</i> Stål, 1873					
201 <i>Bliastes punctifrons</i> Stål, 1873	Beier 1960	Ant	And	399	
<i>Calamoptera</i> Saussure, 1861					
202 <i>Calamoptera immunis</i> (Walker, 1870)	Beier 1962				
<i>Meronicidius immunis</i> Walker, 1870	Beier 1962				
<i>Cocconotus modestus</i> Brunner von Wattenwyl, 1895 syn.	Beier 1960				
<i>Leptotettix nigronotatus</i> Brunner von Wattenwyl, 1895 syn.	Beier 1960				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Cocconotus</i> Stål, 1873	Bruner 1915				
<i>Cocconotus (Anoplocercus)</i> Beier, 1960	Beier 1960				
203 <i>Cocconotus (Anoplocercus) annulipes</i> (Hebard, 1927) <i>Bliastes annulipes</i> Hebard, 1927	Hebard 1927(1926) Hebard 1927(1926)	Cun, VC	And	1728 - 2700	ICN-MHNOR308, UNAB
204 <i>Cocconotus (Anoplocercus) retiarius</i> Stål, 1874	Hebard 1933	Ant, Cun, To	And	475 - 1230	UNAB
<i>Cocconotus (Cocconotus)</i> Stål, 1873	Beier 1963				
205 <i>Cocconotus (Cocconotus) antioquiae</i> (Rehn, 1946) <i>Bliastes antioquiae</i> Rehn, 1946	Beier 1963 Beier 1963	Ant, VC1	Pac	0 - 520	MUSENUV (20727, 20733); IMCN 1396; ICN-MHNORt012
206 <i>Cocconotus (Cocconotus) aratifrons</i> Brunner von Wattenwyl, 1895	Hebard 1927(1926)	Ant3, VC, By, Snt3, To, Cl3, Cun3, Cho3	And, Pac	30 - 1280	ICN-MHNOR (301, 303, 305-6, 311); IAvH (3967, 4980, 4988); UNAB-81-84
207 <i>Cocconotus (Cocconotus) atratus</i> Beier, 1960	Beier 1960	VC1, Cho3, To	And, Pac	40 - 1380	MUSENUV 20751
208 <i>Cocconotus (Cocconotus) atrifrons</i> (Brunner von Wattenwyl, 1895) <i>Bliastes atrifrons</i> Brunner von Wattenwyl, 1895	Beier 1962 Beier 1962	Ant, Cor3	Pac	96 - 2286	
209 <i>Cocconotus (Cocconotus) carmelitae</i> Hebard, 1927	Hebard 1927(1926)	Ant3, Cun3, Ma, Cl3, Qu3, Snt3, Ri3	And, Car	400 - 2250	ICN-MHNOR353, UNAB-77-80
210 <i>Cocconotus (Cocconotus) degeeri</i> (Stål, 1861) <i>Meronicidius degeeri</i> Stål, 1861	Hebard 1927(1926) Hebard 1927(1926)	Cl, Cho, Cun, Ant3	Pac, And	36 - 1200	UNAB-85; MUD (3175, 3222); EFUDFJC 505
211 <i>Cocconotus (Cocconotus) gracilicauda</i> Beier, 1960	Beier 1960	Ama3, Cl, Cun3, Met, To3, VC1, By3, Snt3	Amz, And, Pac	70 - 2700	ICN-MHNOR (354-56, 358, 00932, 00946, 00951, 00952, 01104); IMCN (1399, 1400); UNAB-61-70
212 <i>Cocconotus (Cocconotus) insularis</i> (Bruner, 1906)	Beier 1960	Cun	And	983 - 1230	MUD (3170, 3173, 3195); MPUJ 1097
213 <i>Cocconotus (Cocconotus) lineolatus</i> (Brunner von Wattenwyl, 1895) <i>Bliastes lineolatus</i> Brunner von Wattenwyl, 1895 <i>Nastonotus lineolatus</i> (Brunner von Wattenwyl, 1895)	Beier 1960 Beier 1960 Hebard 1927(1926)	At, Bl, Ma	Car	9 - 35	

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
214 <i>Cocconotus (Cocconotus) maculifrons</i> Stål, 1873	Saussure & Pictet 1898	Ant, To3	And	1750	CEUA-42099
215 <i>Cocconotus (Cocconotus) vittagenae</i> Bruner, 1915	Bruner 1915	Cho, Ma3	Car, Pac	0 - 50	ICN-MHNOR (307, 00947)
216 <i>Cocconotus (Cocconotus) zebra</i> Beier, 1960	Beier 1960	By, Cun	And	1280 - 2619	ICN-MHNOR357; MUD-3167
217 <i>Cocconotus (Cocconotus) vittifrons</i> (Walker, 1871) <i>Meronicidius vittifrons</i> Walker, 1871 <i>Bliastes taeniatifrons</i> Saussure & Pictet, 1898 syn.	Beier 1963 Beier 1963 Beier 1960	VC3	And		ICN-OR 00318
<i>Diplopygia</i> Beier, 1962					
218 <i>Diplopygia bicaudata</i> Beier, 1962	Beier 1962a	Ma	Car	1400	
<i>Docidocercus</i> Beier, 1960					
219 <i>Docidocercus pehlkei</i> Beier, 1960	Nickle 1992 Beier 1960	Ant3, VC1	Pac	60	MUSENUV 20722
220 <i>Docidocercus fasciatus</i> Beier, 1960	Beier 1962	Ri3, Qu3, Snt3	And	1780 - 2050	IAvH (4178, 4212)
221 <i>Docidocercus fraternus</i> (Saussure & Pictet, 1898) <i>Cocconotus fraternus</i> Saussure & Pictet, 1898	Beier 1960 Saussure & Pictet 1898	Cho	Pac	60	MPUJ
222 <i>Docidocercus gausodontus</i> Montealegre- Z & Morris, 1999	Montealegre-Z. & Morris 1999	VC, Ri3	Pac	0 - 2250	MUSENUV 20723; ICN-MHNORt (014- 16)
223 <i>Docidocercus nigrescens</i> (Brunner von Wattenwyl, 1895) <i>Cocconotus nigrescens</i> Brunner von Wattenwyl, 1895	Beier 1960 Beier 1960	Ant	And	100 - 2184	
224 <i>Docidocercus sagittatus</i> (Saussure & Pictet, 1898) <i>Cocconotus sagittatus</i> Saussure & Pictet, 1898	Beier 1960 Saussure & Pictet 1898	Snt	And		MPUJ
<i>Eubliastes</i> Beier, 1960					
225 <i>Eubliastes adustus</i> (Bolivar, 1881)	Beier 1963 Beier 1963	Cs, Met3, Pu3	Ori, Amz	330	ICN-OR 01103; UNAB-14; IAvH- 3135
<i>Cocconotus adustus</i> Bolivar, 1881	Beier 1963				
226 <i>Eubliastes aethiops</i> (Brunner von Wattenwyl, 1895) <i>Cocconotus aethiops</i> Brunner von Wattenwyl, 1895	Beier 1963 Saussure & Pictet 1898	Ant, VC1, Cau3, Qu3	And, Pac	0 - 2184	MUSENUV (20713, 20715-20721); ICN- MHNORt (018-21)
227 <i>Eubliastes apolinari</i> (Hebard, 1927)	Hebard 1927(1926)	Met	Ori	500	

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Cocconotus apolinari</i> Hebard, 1927	Hebard 1927(1926)				
228 <i>Eubliastes chlorodictyon</i> Montealegre-Z. & Morris, 1999	Montealegre-Z. & Morris 1999	VC	Pac		
229 <i>Eubliastes conspersus</i> (Scudder, 1869) <i>Meroncidius conspersum</i> (Scudder, 1869)	Beier 1963 Beier 1963	Ama3, To	And, Amz	100 - 1380	ICN-ORr.r-37
230 <i>Eubliastes ferrugineus</i> (Brunner von Wattenwyl, 1895) <i>Cocconotus ferrugineus</i> Brunner von Wattenwyl, 1895	Beier 1963 Beier 1963	Met3, Cun3	And, Ori	300	UNAB-15-16; ICN-OR 00322
231 <i>Eubliastes pollonerae</i> (Griffini, 1896) <i>Cocconotus pollonerae</i> Griffini, 1896	Beier 1960 Saussure & Pictet 1898	Ant	Pac	96	
<i>Idiarthron</i> Brunner von Wattenwyl, 1895	Bruner 1915				
232 <i>Idiarthron subnotatum</i> Brunner von Wattenwyl, 1895	Beier 1960	Cun	And	2619	
<i>Liparoscella</i> Hebard, 1933	Hebard 1933				
233 <i>Liparoscella modesta</i> (Brunner von Wattenwyl, 1895)	Hebard 1933	By3, Cun3, Met3, Pu3, Snt3	And, Ori	117 - 2320	ICN-MHNOR00933-44; UNAB-25-31; MUD (3129, 3266, 3240)
<i>Liparoscelis modesta</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Nannotettix</i> Redtenbacher, 1985	Bruner 1915				
234 <i>Nannotettix elongatus</i> Brunner von Wattenwyl, 1895	Hebard 1927(1926)	Snt, Cun	And	1656 - 2743	
235 <i>Nannotettix pehlkei</i> Beier, 1960	Beier 1960	To	And	206	
236 <i>Nannotettix spissus</i> Brunner von Wattenwyl, 1895	Hebard 1927(1926)	By, Cun	And	740 - 2619	
<i>Nastonotus</i> Bolivar, 1890	Beier 1960				
237 <i>Nastonotus foreli</i> Carl, 1921	Beier 1960	Ant3, Bl3, Cl, Ma, To3, VC, By3, Ce3, Cun3, LG3, Met3, Snt3	And, Car	9 - 1000	MUSENUV (20724-20726); ICN-MHNOR (315, 319, 00931); MPUJ-ORT-305; UNAB-32-50; IAvH (2230, 2568-70); CEUA-30230
<i>Natagaima</i> Beier, 1960	Beier 1960				
238 <i>Natagaima brevipennis</i> Beier, 1960	Beier 1960	To	And	206	
<i>Meroncidius</i> Serville, 1831	Beier 1960				
239 <i>Meroncidius obscurus</i> Serville, 1831	Beier 1960	Ama	Amz	70	MPUJ
<i>Schedocentrus</i> Hebard, 1924	Hebard 1924				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Schedocentrus (Proidiarthron) Beier, 1960</i>	Beier 1960				
240 <i>Schedocentrus (Proidiarthron) innotatus</i> (Walker, 1870)	Hebard 1927(1926)	Cun, Met, To	And, Ori	500 - 1863	AGU00018; ANDES-E10348
<i>Meronicidius innotatus</i> Walker, 1870	Beier 1960				
<i>Leptotettix innotatus</i> (Walker, 1870)	Eades <i>et al.</i> 2011				
<i>Cocconotus innotatus</i> (Walker, 1870)	Hebard 1927(1926)				
<i>Meronicidius atrispinosus</i> Bruner, 1906 syn.	Bruner 1906				
241 <i>Schedocentrus (Proidiarthron) speculatus</i> Beier, 1960	Beier 1960				
242 <i>Schedocentrus (Schedocentrus) tessellatus</i> (Walker, 1870)	Beier 1963	Ama3, Hu3, Met3	And, Amz, Ori	70 - 600	MPUJ
<i>Meronicidius tessellatus</i> Walker, 1870	Beier 1963				
<i>Cocconotus similis</i> Giglio-Tos, 1898 syn.	Beier 1963				
<i>Schedocentrus (Schedocentrus) Hebard, 1924</i>	Beier 1960				
243 <i>Schedocentrus (Schedocentrus) viridiafflatus</i> (Brunner von Wattenwyl, 1895)	Eades <i>et al.</i> 2011	Ama3, By3, Cq3, Cun3, Met3, Qu3	And, Amz, Ori	100 - 2600	UNAB-99-106; MUD (3239, 3165)
<i>Cocconotus viridiafflatus</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Trichotettix Stål, 1873</i>	Saussure & Pictet 1898				
244 <i>Trichotettix nuda</i> Beier, 1960	Beier 1960	Cun	And	2619	
245 <i>Trichotettix pilosula</i> Stål, 1873	Beier 1960	Ant, Qu2, Ri3	And	1899 - 2600	MUSENUV 20711; ICN-MHNOR207
<i>Stenotettix Stål, 1873</i>	Beier 1960				
246 <i>Stenotettix macilentus</i> Stål, 1873	Beier 1960	Ant, By, Cun	And	2200 - 2400	MPUJ
<u>Eucoconotini Beier, 1960</u>	Beier 1960				
<i>Eucoconotus Hebard, 1927</i>	Hebard 1927(1926)				
247 <i>Eucoconotus annulatus</i> Hebard, 1927	Hebard 1927(1926)	Ant, Qui, VC	And	2000 - 2184	MPUJ; UNAB
248 <i>Eucoconotus cordillericus</i> Beier, 1960	Beier 1960	VC, Na3	And, Pac	1500 - 1900	MUSENUV (20512, 20513), IAvH-2151, IAvH-2368
<i>Gnathoclita Hagenbach, 1842</i>	Beier 1960				
249 <i>Gnathoclita sodalis</i> Brunner von Wattenwyl, 1895	Hebard 1927(1926)	Cau, Qu2, Ri2, VC	And	1650 - 3000	MUSENUV22330, ICN-MHNOR193, ICN-MHNOR204, IAvH-4801, IAvH-4806
<i>Panoploscelis Scudder, 1869</i>	Beier 1960				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
250 <i>Panoploscelis specularis</i> Beier, 1950	Beier 1960	Ama	Amz	70 - 2100	MPUJ-ORT 1984, 2052, ORT011-12, ORT018, ORT023, ORT093, IAvH-1633, 2263
<u>Homalaspidiini Otte, 1997</u>		Otte 1997			
<i>Jimenezia</i> Bolivar, 1881		Beier 1960			
251 <i>Jimenezia elegans</i> Bolivar, 1881	Beier 1960	Ama, To	Amz, And	1500	DPM00052
<u>Ischnomelini Beier, 1960</u>		Beier 1963			
<i>Ischnomela</i> Stål, 1873		Beier 1960			
252 <i>Ischnomela gracilis gracilis</i> Stål, 1873	Hebard 1927	Ant3, Bl, By3, Cho3, VC1, Hu, To	Car, Pac, And	35 - 555	MUSENUV (20758-20761); ICN-MHNOR00948
253 <i>Ischnomela gracillima</i> Beier, 1960	Beier 1960	By3, Hu3, To3, Cun, VC1	And, Pac	0 - 2619	MUSENUV (20752-20757, 20771-20773); IMCN (1179, 1395); ICN-MHNOR022, 058
<u>Leptotettigini Beier, 1960</u>		Beier 1963			
<i>Chondrosternum</i> Beier, 1960		Beier 1960			
254 <i>Chondrosternum dohrni</i> (Brunner von Wattenwyl, 1895)	Beier 1960	Ama	Amz	70	MPUJ-ORT 2053
<i>Leptotettix dohrni</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Leptotettix</i> Stål, 1873		Stål 1873			
255 <i>Leptotettix pubiventris</i> Bolívar, 1881	Beier 1960	Ama	Amz	70	MPUJ-ORT 2122
256 <i>Leptotettix spinoselaminatus</i> Beier, 1960	Beier 1960	Ama	Amz		MPUJ 665
257 <i>Leptotettix voluptarius voluptarius</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama, Met	Amz, Ori	70 - 250	MPUJ-ORT (2233, 2240)
<i>Macrochiton</i> Redtenbacher, 1895		Bruner 1915			
258 <i>Macrochiton adjutor</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama	Amz	70	MPUJ
259 <i>Macrochiton heros</i> Brunner von Wattenwyl, 1895	Beier 1960	Ant, By3, Cun, Met, Snt	And, Ori	120 - 500	JUG00010; MPUJ-ORT 139
260 <i>Macrochiton macromelos</i> Montealegre-Z & Morris, 1999	Montealegre-Z. & Morris 1999	Ama	Amz	100	ICN-OR 01088
<i>Pezochiton</i> Beier, 1960		Beier 1963			
261 <i>Pezochiton grandis</i> Beier, 1960	Beier 1963	Ant3, VC1, Cho3	And, Pac	270 - 900	MUSENUV (20497, 20498); ICN-MHNOR00974

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Platyhiton</i> Beier, 1960	Beier 1960				
262 <i>Platyhiton amazonicus</i> Beier, 1960	Beier 1960	Ama3, Met3, Pu3, VC3	And, Amz, Ori	100	ICN-OR 00310; ICN-OR 00205
<u>Pleminiini Brunner von Wattenwyl, 1895</u>	Beier 1963				
<i>Acanthodis</i> Serville, 1831	Serville 1838(1839)				
263 <i>Acanthodis aquilina</i> (Linnaeus, 1758)	Bruner 1915	Cun3, Met3, Ama3, Cs3	And, Ori, Amz	400 - 660	ICN-MHNOR (01108, 01110, 01112-13); UNAB-21
<i>Gryllus (Tettigonia) aquilinus</i> Linnaeus, 1758	Beier 1962				
264 <i>Acanthodis curvidens</i> (Stål, 1875)	Stål 1875	Cho, Cun, Pu, To3, VC1	Ama, And, Pac	50 - 225	MUSENUV (20689-90,21374); IMCN (1407); ICN-MHNOR (01109, 01109)
<i>Brisilis curvidens</i> Stål, 1875	Stål 1875				
<i>Lichenochrus muticus</i> Brunner von Wattenwyl, 1895 syn.	Beier 1962				
265 <i>Acanthodis longicauda</i> (Stål, 1874)	Beier 1962	Ant3, Ama, Met3, VC1, Cq3	Ori, Amz	70 - 500	MUSENUV 20691; ICN-MHNOR01111
<i>Brisilis longicauda</i> Stål, 1874 syn.	Beier 1962				
<i>Acanthodis gigantea</i> Bruner, 1915 syn.	Bruner 1915				
<i>Adeclus</i> Brunner von Wattenwyl, 1895	Bruner 1915				
266 <i>Adeclus spiculatus</i> (Stål, 1873)	Eades <i>et al.</i> 2011	Ant, Cun, Ri	And	399 - 1990	MPUJ-ORT 816
<i>Acanthodis spiculatus</i> Stål, 1873	Eades <i>et al.</i> 2011				
267 <i>Adeclus trispinosus</i> Cadena-Castañeda, 2011	Cadena-Castañeda 2011a	Snt	And	2500 - 2600	MPUJ-OTR (004, 003)
<i>Ancistrocercus</i> Beier, 1954	Beier 1954				
<i>Ancistrocercus (Ancistrocercus) (Beier, 1954)</i>	Beier 1954				
268 <i>Ancistrocercus (Ancistrocercus) excelsior</i> (Brunner von Wattenwyl, 1895)	Beier 1962	Ama3, Met, Pu	Amz	70 - 100	ICN-MHNOR0T1143; MPUJ-ORT 2056; ANDES-E14113
<i>Anchiptolis excelsior</i> Brunner von Wattenwyl, 1895	Brunner von Wattenwyl 1895				
<i>Balboana</i> Uvarov, 1939	Otte 1997				
269 <i>Balboana tibialis</i> (Brunner von Wattenwyl, 1895)	Otte 1997	VC1, Snt3, Cho3, Cl3	And, Pac	0 - 1000	MUSENUV (20707-20710); ICN-MHNOR00945; UNAB-10-UNAB-12

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Gongrocnemis tibialis</i> Brunner von Wattenwyl, 1895	Hebard 1927				
<i>Balboa tibialis</i> (Brunner von Wattenwyl, 1895)	Otte 1997				
Beieroschema Özdikmen, 2008	Özdikmen 2008				
270 <i>Beieroschema cuspidatum</i> (Beier, 1954)	Eades <i>et al.</i> 2011	Cund	And	363	UNAB
<i>Alloschema cuspidatum</i> Beier, 1954	Beier 1954				
271 <i>Beieroschema guttatum</i> (Brunner von Wattenwyl, 1895)	Eades <i>et al.</i> 2011	Ama	Amz	80	MPUJ-ORT 2211
<i>Platyphyllum guttatum</i> Brunner von Wattenwyl, 1895	Beier 1954				
<i>Leurophyllum guttatum</i> (Brunner von Wattenwyl, 1895)	Beier 1954				
Championica Saussure & Pictet, 1898	Saussure & Pictet 1898				
Championica (Championica) Saussure & Pictet, 1898	Beier 1962				
272 <i>Championica (Championica) echinus</i> (Rehn, 1940)	Beier 1962	Ama	Amz	200	MPUJ-ORT 2092
<i>Orpacophora echinus</i> Rehn, 1940	Rehn 1940				
273 <i>Championica (Championica) pilata</i> (Beier, 1933)	Beier 1962	Ama3, Pu	Amz	70 - 580	ICN-MHNOR01092
<i>Orpacophora pilata</i> Beier, 1933	Beier 1962				
Championica (Lipacophora) Beier, 1954	Beier 1962				
274 <i>Championica (Lipacophora) bicuspidata</i> (Brunner von Wattenwyl, 1895)	Beier 1962	VC1, Ant, Qu3, Ri3, To	And, Pac	270 - 2900	MUSENUV (20703, 21359, 21360); ICN-MHNOR01115; MPUJ (1363, 1363); IAvH-4222
<i>Acanthodis bicuspidata</i> Brunner von Wattenwyl, 1895	Beier 1962				
275 <i>Championica (Lipacophora) cuspidata</i> (Stål, 1874)	Beier 1960	Ant, Ri3	And	1960 - 2184	IAvH (4179, 4193)
<i>Acanthodis cuspidata</i> Stål, 1874	Beier 1960				
<i>Adeclus cuspidata</i> (Stål, 1874)	Eades <i>et al.</i> 2011				
<i>Acanthodis modesta</i> Brunner von Wattenwyl, 1895 syn.	Beier 1960				
Dasyscelidius Beier, 1954	Beier 1962				
276 <i>Dasyscelidius atrifrons</i> (Brunner von Wattenwyl, 1895)	Beier 1962	Met	Ori	140 - 500	MPUJ-ORT 1355
<i>Dasyscelus atrifrons</i> Brunner von Wattenwyl, 1895	Beier 1962				
Diacanthodis Walker, 1870	Beier 1962				
277 <i>Diacanthodis granosa</i> Brunner von Wattenwyl, 1895	Hebard 1933	Na	And		
Gongrocnemis Redtenbacher, 1895	Bruner 1915				
<i>Gongrocnemis (Melanocnemis)</i> Beier, 1954	Eades <i>et al.</i> 2011				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
278 <i>Gongrocnemis (Melanocnemis) modesta</i> (Brunner von Wattenwyl, 1895)	Beier 1960				
<i>Lichenochrus modestus</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Leurophyllum Kirby, 1906</i>	Bruner 1915				
279 <i>Leurophyllum consanguineum</i> (Serville, 1838)	Beier 1962	Ama3, VC3	Amz, Pac	77 - 99	ICN-MHNOR01094
<i>Acanthodis consanguinea</i> Serville, 1838	Beier 1962				
<i>Platyphyllum consanguineum</i> (Serville, 1838)	Beier 1962				
<i>Acanthodis regina</i> Saussure, 1859 syn.	Beier 1962				
<i>Meroncidius varius</i> Walker, 1870 syn.	Beier 1962				
<i>Brisilis grisea</i> Giglio-Tos, 1898 syn.	Beier 1962				
280 <i>Leurophyllum albidovenosum</i> Beier, 1954	Beier 1962				
281 <i>Leurophyllum brevixiphum</i> (Brunner von Wattenwyl, 1895)	Beier 1962	Ama3	Amz	84 - 100	ICN
<i>Platyphyllum brevixiphum</i> Brunner von Wattenwyl, 1895	Brunner von Wattenwyl 1895				
<i>Pristonotus Uvarov, 1940</i>	Beier 1962				
282 <i>Pristonotus colombiae</i> (Bruner, 1915)	Bruner 1915	Ant3, Cun, Ma, VC, Snt3	And, Car, Pac	50 - 750	MUSENUV (20695, 20996); MPUJ-ORT 1261; CEUA-23903
<i>Pristes colombiae</i> Bruner, 1915	Bruner 1915				
283 <i>Pristonotus minor</i> (Brunner von Wattenwyl, 1895)	Hebard 1927(1926)	Ant3, Ma, VC1, By3, To3, Cun3	Car, Pac, And	50 - 1219	MUSENUV (20692-20694); UNAB-1-3
<i>Pristes minor</i> Brunner von Wattenwyl, 1895	Hebard 1927(1926)				
284 <i>Pristonotus tuberosus</i> (Stål, 1875)	Beier 1954	Cho	Pac	40	MPUJ
<i>Platyphyllum tuberosum</i> Stål, 1875	Stål 1875				
<i>Rhinischia Beier, 1954</i>	Beier 1963				
285 <i>Rhinischia bacillifera</i> Beier, 1954	Beier 1962	Ama3	Amz	100	
286 <i>Rhinischia regimbarti</i> (Griffini, 1898)	Beier 1962	Pu3	Amz	320	
<i>Platyphyllum regimbarti</i> Griffini, 1898	Beier 1962				
287 <i>Rhinischia transiens</i> (Brunner von Wattenwyl, 1895)	Beier 1963	VC1	Pac	270	MUSENUV 20702
<i>Platyphyllum transiens</i> Brunner von Wattenwyl, 1895	Beier 1963				
<u>Platyphyllini Brunner von Wattenwyl, 1895</u>	Beier 1963				
<i>Acrophyllum Beier, 1960</i>	Otte 1997				
288 <i>Acrophyllum exiguum</i> (Brunner von Wattenwyl, 1895)	Beier 1960				
<i>Lissophyllum exiguum</i> Brunner von Wattenwyl, 1895	Beier 1960				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
<i>Platyphyllum exiguum</i> (Brunner von Wattenwyl, 1895)	Beier 1960				
<i>Brachyauchenus</i> Brunner von Wattenwyl, 1895	Hebard 1927(1926)				
289 <i>Brachyauchenus castaneus</i> Brunner von Wattenwyl, 1895	Beier 1960	By, Cun, Met, Snt3	And, Ori	452 - 2619	ICN-MHNOR (00973, 00987)
290 <i>Brachyplatyphylloides</i> Cadena-Castañeda & Braun, 2011	Cadena-Castañeda & Braun 2011				
<i>Brachyplatyphylloides riosi</i> Cadena-Castañeda & Braun, 2011	Cadena-Castañeda & Braun 2011	Cun, Boy, Met	And	300 - 1400	
<i>Choeroparnops</i> Dohrn, 1888	Beier 1960	Ama, Pu			
291 <i>Choeroparnops fulvus</i> Dohrn, 1888	Beier 1963	Ama3	Amz	150	IAvH-1633
292 <i>Choeroparnops alatus</i> (Brunner von Wattenwyl, 1895)	Beier 1960	Ama	Amz	70	MPUJ
<i>Echinacris alata</i> (Brunner von Wattenwyl, 1895)	Brunner von Wattenwyl 1895				
<i>Drepanoxiphus</i> Brunner von Wattenwyl, 1895	Saussure & Pictet 1898				
293 <i>Drepanoxiphus gradatus</i> Beier, 1960	Beier 1960	By3, Met3	And, Ori	200	UNAB-91, ICN
294 <i>Drepanoxiphus minutus</i> Brunner von Wattenwyl, 1895	Rehn 1905	VC1, Cau3, Cun3, Met, Qui, Snt3	Pac, And, Ori	11 - 1800	ICN-MHNORt017; IAvH-1650; UNAB-4-7
295 <i>Drepanoxiphus nigrosignatus</i> Beier, 1960	Beier 1960	By3, Met3	And, Ori	950	UNAB-13; OR 00519
296 <i>Drepanoxiphus quadripunctatus</i> Beier, 1960	Beier 1960	Cun, Met, Snt3, VC3	And, Ori	150 - 1172	UNAB-90; OR 00979
<i>Haenschiella</i> Beier, 1960	Beier 1960				
297 <i>Haenschiella angustixipha</i> (Brunner von Wattenwyl, 1895)	Beier 1960	Cun	And	2619	
<i>Lissophyllum angustixiphum</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Myrmeciophyllum</i> Beier, 1960	Beier 1963				
298 <i>Myrmeciophyllum signatum</i> Beier, 1960	Beier 1963	VC, Snt	And	1500 - 2400	rr-24ICN
<i>Pizatettix</i> Chamorro-Rengifo & Braun, 2010	Chamorro-Rengifo & Braun 2010				
299 <i>Pizatettix sanctaegrucis</i> (Piza, 1973)	Chamorro-Rengifo & Braun 2010	Ama	Amz	70 - 80	MPUJ-ORT 2246
<i>Entacanthodes sanctaegrucis</i> Piza, 1973	Piza Jr. 1973				
<i>Triencentrus</i> Brunner von Wattenwyl, 1895	Beier 1963				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
300 <i>Triencentrus amazonicus</i> Brunner von Wattenwyl, 1895	Brunner von Wattenwyl 1895	Ara, To3, Cun3, Gv3, Ma, Met3	And, Amz, Car, Ori	475	ICN-OR 00959; UNAB-88; ICN-OR (00961, 00967, 00966, 00969)
301 <i>Triencentrus difficilis</i> (Hebard, 1927)	Hebard 1927(1926)	Ant3, Cau3, Cl3, Qu2, Ri3, VC3	And	400 - 2800	ICN-OR 00321; MAUQ (0558, 0560)
<i>Brachyauchenus difficilis</i> Hebard, 1927	Hebard 1927(1926)				
302 <i>Triencentrus magdalenae</i> (Hebard, 1927)	Beier 1960	Ma, By3	Car, And	750 - 1219	ICN-MHNOR (00981, 01107); UNAB (22, 87)
<i>Brachyauchenus magdalenae</i> Hebard, 1927	Hebard 1927(1926)				
<u>Pterochrozini Brunner von Wattenwyl, 1895</u>					
<u>Cycloptera Serville, 1839</u>					
303 <i>Cycloptera excellens</i> Vignon, 1926	Serville 1838(1839) Beier 1962	Ama, Snt	And, Amz	27 - 88	MPUJ-ORT (1455, 1441)
304 <i>Cycloptera falcifolia</i> Walker, 1870	Beier 1962	Ama, Met	Amz, Ori	83 - 417	MPUJ-ORT (035, 049)
<i>Chlorophylla falcifolia</i> (Walker, 1870)	Bruner 1915				
305 <i>Cycloptera speculata</i> (Stoll, 1787)	Beier 1960	By, Ama	And, Amz	150 - 740	IAvH-2264
<i>Gryllus (Tettigonia) speculata</i> Stoll, 1787	Beier 1960				
<i>Pterochroza speculata</i> (Stoll, 1787)	Eades <i>et al.</i> 2011				
<i>Locusta (Pterochroza) speculata</i> (Stoll, 1787)	Eades <i>et al.</i> 2011				
<i>Chlorophylla amplifolia</i> Saussure & Pictet, 1898 syn.	Eades <i>et al.</i> 2011				
<i>Gryllus (Tettigonia) camillifolia</i> Stoll, 1787 syn.	Eades <i>et al.</i> 2011				
<i>Chlorophylla fagifolia</i> Saussure & Pictet, 1898 syn.	Saussure & Pictet 1898				
<i>Chlorophylla latifolia</i> Pictet, 1888 syn.	Eades <i>et al.</i> 2011				
<i>Cycloptera tiliaefolia</i> Walker, 1870 syn.	Eades <i>et al.</i> 2011				
<u>Mimetica Pictet, 1888</u>					
306 <i>Mimetica castanea</i> Brunner von Wattenwyl, 1895	Beier 1960 Saussure & Pictet 1898	Ant, VC1, Snt	And, Pac	60 - 2184	MUSENUV 20505
307 <i>Mimetica incisa</i> (Stål, 1875)	Beier 1960	VC1	Pac	70	MUSENUV 20506
<i>Cycloptera incisa</i> Stål, 1875	Beier 1960				
<i>Mimetica marmorata</i> Saussure & Pictet, 1898 syn.	Saussure & Pictet 1898				
308 <i>Mimetica pehlkei</i> Enderlein, 1917	Beier 1960				
309 <i>Mimetica semialata</i> Beier, 1960	Beier 1960	Met	Ori	500	

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
310 <i>Mimetica subintegra</i> Saussure & Pictet, 1898	Beier 1960				
<i>Pterochroza</i> Serville, 1831					
311 <i>Pterochroza ocellata</i> (Linnaeus, 1758)	Vignon 1931(1930)	Ama, Met3, Pu3	Ori, Amz	70 - 300	ICN-OR 00359
<i>Gryllus (Tettigonia) ocellatus</i> Linnaeus, 1758	Vignon 1931(1930)				
<i>Rhodopteryx</i> Pictet, 1888					
312 <i>Rhodopteryx elongata</i> Vignon, 1924	Hebard 1927(1926)	Ant3, By, Cun, Ma, VC	And, Car	380 - 740	ICN-OR (00364, 01183)
<i>Rhodopteryx crocea</i> Vignon, 1927 syn.	Vignon 1931(1930)				
313 <i>Rhodopteryx hebardei</i> Vignon, 1930	Hebard 1933	By	And	740	
314 <i>Rhodopteryx pulchripennis</i> Pictet, 1888	Beier 1960	Cun3	And	950	ICN-OR(00361-00362), UNAB-8
<i>Typophyllum</i> Serville, 1839					
315 <i>Typophyllum abruptum</i> Brunner von Wattenwyl, 1895	Brunner von Wattenwyl 1895	Ant3, By3, Cun3	And	840 - 2400	ICN-OR (01134, 01137)
316 <i>Typophyllum cinnamum</i> Bolivar, 1888	Beier 1960	Cun	And	2619	
317 <i>Typophyllum columbicum</i> Brunner von Wattenwyl, 1895	Vignon 1931(1930)	Cau, VC	And	1600	MUSENUV 21356
318 <i>Typophyllum histrio</i> (Brunner von Wattenwyl, 1895)	Beier 1960	Snt3, Cun3	And	2100	ICN-OR (01135, 01139)
<i>Catasparata histrio</i> Brunner von Wattenwyl, 1895	Beier 1960				
319 <i>Typophyllum lunatum</i> Pictet, 1888	Hebard 1933	Met, Pu3, Ama3, Cau3	Ori, Amz	100 - 500	IAvH (4963, 3794); UNAB-9
320 <i>Typophyllum pererosum</i> Hebard, 1933	Hebard 1933	By	And	740	
321 <i>Typophyllum peruvianum</i> Pictet, 1888	Vignon 1931(1930)	Cun3	And		ICN-OR 00363
322 <i>Typophyllum zingara</i> Montealegre-Z & Morris, 1999	Montealegre-Z. & Morris 1999	Ri, Ant3	And	2300	MUSENUV (20917-18)
<u>Pterophyllini Karny, 1925</u>					
<i>Lophaspis</i> Redtenbacher, 1895					
323 <i>Lophaspis scabriuscula</i> Brunner von Wattenwyl, 1895	Beier 1960	Cho	Pac	270	MPUJ
<i>Parascopioricus</i> Beier, 1960					
324 <i>Parascopioricus cordillericus</i> Beier, 1960	Beier 1960	VC, Ant	And, Car	1600 - 2400	
325 <i>Parascopioricus exarmatus</i> Beier, 1962	Beier 1962a	VC1, To3	Pac, And	10 - 180	MUSENUV 20499; IMCN-1402

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
326 <i>Parascopioricus lancifolius</i> (Brunner von Wattenwyl, 1895)	Beier 1960				
<i>Scopiorus lancifolius</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Scopioricus</i> Uvarov, 1940	Beier 1960				
327 <i>Scopioricus sutorius</i> (Stål, 1873)	Beier 1960	Ant, To3, VC1	And	2539	UNAB-23
<i>Scopiorus sutorius</i> Stål, 1873	Saussure & Pictet 1898				
328 <i>Scopioricus spatulatus</i> Montealegre-Z. & Morris, 1999	Montealegre-Z. & Morris 1999	Qu2, Ri, Cl3	And	1890 - 3700	MUSENUV 20916; ICN-MHNOR01114; CEUA-19153
329 <i>Scopioricus robustus</i> Beier, 1960	Beier 1960				
<i>Xestoptera</i> Redtenbacher, 1985	Saussure & Pictet 1898				
330 <i>Xestoptera cincta</i> Brunner von Wattenwyl, 1895	Saussure & Pictet 1898	Ant, VC1	And, Pac	0 - 2184	MUSENUV (20502-20504)
<u>Teleutiini</u> Beier, 1960	Beier 1963				
<i>Chibchella</i> Hebard, 1927	Hebard 1927(1926)				
331 <i>Chibchella annulipes</i> Beier, 1960	Beier 1963	Cun, Snt3, VC1, And, Pac, Ori		600 - 1900	MUSENUV (20491-20496); MPUJORT-009
332 <i>Chibchella femorata</i> Hebard, 1933	Hebard 1933	Cl, Cun3, By, Met, Qu2, Ri2, Ma3, VC, To	And, Ori, Car	500 - 2387	ICN-MHNOR01099; MUSENUV (22328, 22331); UNAB-51-60; MAUQ (3263, 3259)
333 <i>Chibchella nigrospecula</i> Montealegre-Z. & Morris, 1999	Montealegre-Z. & Morris 1999	Qu2, Ri	And	1780 - 3170	MAUQ-3257
334 <i>Chibchella personata</i> Hebard, 1927	Hebard 1927(1926)	Cun, At3, Snt	And, Car	200	UNAB-86; MUD-3197
<i>Eumecopterus</i> Beier, 1960	Beier 1960				
335 <i>Eumecopterus viridifrons</i> (Brunner von Wattenwyl, 1895)	Beier 1960				
<i>Semileptotettix viridifrons</i> Brunner von Wattenwyl, 1895	Beier 1960				
336 <i>Eumecopterus pilosus</i> (Brunner von Wattenwyl, 1895)	Beier 1960	Ant	And	2184	
<i>Semileptotettix pilosus</i> Brunner von Wattenwyl, 1895	Beier 1960				
<i>Pemba</i> Walker, 1870	Beier 1960				
337 <i>Pemba armata</i> Walker, 1870	Beier 1960	Ama, Pu	Amz	70	
<i>Stetharasa</i> Montealegre-Z & Morris, 1999	Montealegre-Z. & Morris 1999				

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TABLE 1. (continued)

Taxon	Reference	Distribution	Natural Region	Elevation (m)	Evidence
338 <i>Stetharasa exarmata</i> Montealegre-Z. & Morris, 1999	Montealegre-Z. & Morris 1999	Qu2, Ri	And	2300 - 3265	MUSENUV (20919-21); MAUQ (3277-78)
<i>Teleutias</i> Stål, 1874					
339 <i>Teleutias binotatus</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama3	Amz	100	
340 <i>Teleutias castaneus</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama3	Amz	100	ICN-OR (01089-91)
341 <i>Teleutias fasciatus</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama	Amz		MPUJ
342 <i>Teleutias inermis</i> Beier, 1960	Beier 1960	Ama	Amz		MPUJ
343 <i>Teleutias nigrotarsatus</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama3	Amz	100	
344 <i>Teleutias reconditus</i> Beier, 1960	Beier 1960	Ama	Amz	70	MPUJ
345 <i>Teleutias vicinissimus</i> Brunner von Wattenwyl, 1895	Beier 1960	Ama	Amz	80	MPUJ

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