

Neotropical Cicadellinae (Hemiptera: Cicadellidae) in the Staatliches Museum für Naturkunde Stuttgart

PEDRO W. LOZADA

Abstract

In this paper, 87 species of leafhoppers (Hemiptera: Cicadellidae) of the subfamily Cicadellinae are reported from previously undetermined material of the Staatliches Museum für Naturkunde Stuttgart, Germany. *Agrosoma placetis* Medler, 1960 is recorded for the first time from Belize. Specimens were determined from the following countries: Argentina, Belize, Brazil, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Mexico, Paraguay, Peru, and Venezuela.

Keywords: Insecta, Hemiptera, Cicadellidae, Cicadellinae, Taxonomy.

Zusammenfassung

In vorliegender Arbeit werden 87 Zwergzikadenarten (Hemiptera: Cicadellidae) der Unterfamilie der Blattzikaden (Cicadellinae) aus bisher unbestimmtem Material des Museums für Naturkunde Stuttgart, Deutschland, mit ihren Funddaten aufgelistet. Für *Agrosoma placetis* Medler, 1960 erfolgt der erstmalige Nachweis für Belize. Es wurde insgesamt Material aus Argentinien, Belize, Brasilien, Costa Rica, der Dominikanischen Republik, Ecuador, Guatemala, Kolumbien, Mexiko, Paraguay, Peru und Venezuela untersucht und bestimmt.

Contents

1	Introduction	103
2	Methods	103
3	Results	104
3.1	Cicadellini	104
3.2	Proconiini	109
4	References	110

1 Introduction

LINNAVUORI & HELLER (1961) were the first who studied the collection of leafhoppers in the Staatliches Museum für Naturkunde Stuttgart (SMNS). Their paper treated species of Agalliinae, Deltocephalinae, Iassinae, Neobaliniinae, Xestocephalinae, Neocoelidiinae and Hecalinae, including 20 new species of these subfamilies. Since then, nobody had studied the neotropical material of Cicadellidae in the museum.

In the present paper, the data of 87 species of the subfamily Cicadellinae are reported, based on the holdings of previously undetermined Cicadellidae deposited in the collections of the Stuttgart museum. All specimens (869) were determined by the author. The records include data from the following countries: Argentina, Belize, Brazil, Colombia, Costa Rica, the Dominican Republic, Ecuador, Guatemala, Mexico, Paraguay, Peru, and Venezuela. The species *Agrosoma placetis* Medler, 1960 is reported for the first time from Belize.

Acknowledgements

My sincere thanks are due to Dr. WOLFGANG SCHAWALLER for the invitation to the Staatliches Museum für Naturkunde Stuttgart, and to Deutscher Akademischer Austauschdienst (DAAD) for the funding that enabled the visit to Stuttgart in 2008. I am also grateful to two anonymous reviewers for their valuable comments.

2 Methods

The preparations of the male genitalia for the identification to species level were made placing the abdomen in a 10% solution of heated KOH for a short time, and subsequently washing it in distilled water to remove the remaining alkali.

The following literature was used for the identifications: LOZADA & LEÓN (1996), MEDLER (1960, 1963), MCKAMEY (2007), TAKIYA & CAVICHIOLI (2004), and YOUNG (1968, 1977).

Translations of several German expressions and the actual spelling of some localities are given in square brackets.

3 Results

3.1 Cicadellini

Agrosoma placetis Medler, 1960

Costa Rica: 4 ♀♀, Talamanca, 6.V.1986, leg. M. & V. CAJEK. – **Belize:** 1 ♂, 2 ♀♀, San Ignacio, 6.II.1994, leg. C. SCHMID-EGGER.

Distribution: Costa Rica, Guatemala, Nicaragua, Panama.

Agrosoma proxima (Signoret, 1853)

Costa Rica: 1 ♂, Talamanca, 9.V.1986, leg. M. & V. CAJEK.

Distribution: Guatemala, Honduras, Costa Rica.

Amblyscarta invenusta Young, 1977

Paraguay: 1 ♂, Dep. San Pedro, Umg. [=environs] Vaca Jhu, Estancia Triangulo, Ruta 10, km 252, 25.–28.II.1993, leg. F. BRETZENDORFER.

Distribution: Colombia, Guyana, French Guiana, Brazil, Paraguay, Argentina.

Amblyscarta obscura Young, 1977

Peru: 1 ♂, Dep. Madre de Dios, Puerto Maldonado, 12°37'S 69°11'W, ca. 250 m, Rio Madre de Dios, 2 h abwärts [=downstream], Privatreservat Ecoamazonia Lodge, 22.–30.XI.1997, leg. B. KREUSEL.

Distribution: Brazil, Peru.

Amblyscarta opulenta (Walker, 1851)

Colombia: 1 ♂, Bogotá, 60 km E near Monterredondo [Monterredondo], 1340 m, 18.X.1961, leg. R. & H. SCH AHL; 1 ♂, same data except 30.X.1961; 1 ♂, same data except 12.X.1961; 1 ♂, same data except 3.XII.1961.

Distribution: Venezuela, Colombia, Ecuador, Peru.

Amblyscartidia albofasciata (Walker, 1851)

Brazil: 1 ♂, 2 ♀♀, 1 specimen without abdomen, Rio de Janeiro, 1884, BEUTENMÜLLER.

Distribution: Brazil.

Amblyscartidia elegantissima (Blanchard, 1840)

Brazil: 1 ♀, Rio de Janeiro, XI.1919, MÜLLER.

Distribution: Brazil.

Apogonalia staali (Signoret, 1855)

Costa Rica: 12 ♂♂, 19 ♀♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [=edge of brook], an Gräsern u. Strauchwerk [=on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK.

Distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, El Salvador.

Apogonalia woodruffi Young, 1977

Mexico: 1 ♂, 1 ♀, Mexico, 1859, Dr. HILLER.

Distribution: Mexico, Guatemala.

Borogonalia crinata Young, 1977

Peru: 1 ♂, 2 ♀♀, Prov. Cuzco, Machu Picchu, 4.5 km SE Phuyupatamarca, 3600 m, 1.IV.1974, leg. H. KOSTENBADER; 2 ♂♂, 1 ♀, same data except 2.7 km SE Winay Wayna, 2600 m, 2.IV.1974; 1 ♀, Prov. Cuzco, Machu Picchu, 2400 m, 4.IV.1974, leg. H. KOSTENBADER.

Distribution: Peru.

Borogonalia impressifrons (Signoret, 1854)

Argentina: 1 ♂, 6 ♀♀, Tucuman, San Pedro de Colalao, II.1950. – **Colombia:** 5 ♂♂, 8 ♀♀, 1 specimen without abdomen, Antioquia, Fredonia, 2000 m, 19.VIII.1976, leg. P. A. SCHNEBLE; 3 ♂♂, 8 ♀♀, Bogotá-Guadalupe, 3500 m, 8.XII.1962, leg. R. & H. SCH AHL; 1 ♂, 1 ♀, Antioquia, Caldas, “Salinas”, 1700 m, 24.III.1964, leg. P. A. SCHNEBLE.

Distribution: Venezuela, Colombia, Ecuador, Bolivia, Brazil, Peru, Argentina.

Bucephalagonia xanthophis (Berg, 1879)

Brazil: 1 ♂, Rio Grande do Sul, Panambi, 450 m, an Strauchwerk [=on shrubs], 6.XII.1970, leg. H. SCH AAL; 1 ♀, same data except Licht b. Tankstelle [=at light near gas station] and 14.XII.1970; 1 ♀, same data except Brombeer [=on blackberry] and 22.XI.1970; 1 ♂, same data except an Maisblättern [=on leaves of maize] and 14.XII.1970; 4 ♂♂, 1 ♀, same data except 14.XI.1971. – **Argentina:** 1 ♂, Prov. Catamarca, S Santa Maria, Punta de Balasto, 3.I.1991, leg. T. OSTEN; 3 ♂♂, 2 ♀♀, Prov. Salta, 10 km S Rosario de Lerma, 1200 m, 14.XII.1990, leg. T. OSTEN; 5 ♂♂, 2 ♀♀, Prov. Salta, Cabra Corral, Sumalao, 1200 m, 15.XII.1990, leg. T. OSTEN; 2 ♀♀, Salta, 26.X.1976, leg. K. W. HARDE; 1 specimen without abdomen, Tucuman, San Pedro de Colalao, II.1950; 1 ♂, 1 specimen without abdomen, T. N. Formosa, loc. Grau Guardia, II.1953. – **Paraguay:** 22 ♂♂, 11 ♀♀, 2 specimens without abdomen, Paso Yobayi, 3.XI.1951.

Distribution: Argentina, Bolivia, Brazil, Paraguay.

Catagonalia conjunctula (Osborn, 1926)

Peru: 1 ♂, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, LF. [=at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: Bolivia, Brazil, Ecuador, Peru, Paraguay.

Cephalogonalia blancasi Lozada, 1996

Peru: 1 ♂, Dep. Junín, San Ramón, 11°08'S 75°18'W, ca. 1000–1200 m, ca. 15 km NW Richtung [=direction] Oxabamba, Hacienda La Mosela, 27.XII.1997, leg. B. KREUSEL.

Distribution: Peru.

Cephalogonalia flabellula (Jacobi, 1905)

Peru: 5 ♂♂, 2 ♀♀, Prov. Cuzco, Machu Picchu, 4.5 km SE Phuyupatamarca, 3600 m, 1.IV.1974, leg. H. KOSTENBADER.

Distribution: Peru, Bolivia.

Chlorogonalia coeruleovittata (Signoret, 1855)

Colombia: 1 ♂, 1 ♀, 1 specimen without abdomen, Antioquia, Guarne, 2100 m, 13.VII.1973, leg. P. A. SCHNEBLE; 4 ♂♂, 1 ♀, Antioquia, Amago, Sinifana, 1100 m, 18.II.1964, leg. P. A.

SCHNEBLE; 7 ♂♂, 1 specimen without abdomen, Antioquia, Fredonia, 2000 m, 19.VIII.1976, leg. P. A. SCHNEBLE; 7 ♂♂, Medellín, La Estrella, 1720 m, 30.I.1974, leg. P. A. SCHNEBLE; 2 ♂♂, same data except 1700–1900 m and 12.II.1976; 8 ♂♂, 3 ♀♀, 1 specimen without abdomen, Antioquia, La Estrella, 2100 m, 14.VIII.1976, leg. P. A. SCHNEBLE; 6 ♂♂, Antioquia, Caldas, “Salinas”, 1700 m, 24.III.1964, leg. P. A. SCHNEBLE. – **Mexico**: 5 ♂♂, 3 ♀♀, Tapachula, 3.5 km S, 173 m, 15.II.–5.III.1974, leg. G. & M. KÖHLER; 4 ♂♂, 2 ♀♀, 2 specimens without abdomen, Guerrero, Tasco, Hacienda San Francisco, 1700 m, 1.–13.II.1972, leg. G. & M. KÖHLER.

Distribution: Mexico, Guatemala, Costa Rica, El Salvador, Venezuela, Colombia, Brazil, Honduras, Nicaragua, Peru.

Coronigonalia spectanda (Fowler, 1900)

Costa Rica: 1 ♂, 2 ♀♀, Puerto Viejo-Talamanca, 100 m, 1.–16.II.1986, leg. M. & V. CAJEK; 2 ♀♀, Puerto Viejo, a. d. Str. n. [= at the road to] Limon, 18.IV.1986, leg. M. & V. CAJEK.

Distribution: Costa Rica, Panama.

Diedrocephala bimaculata (Gmelin, 1789)

Paraguay: 1 ♀, Dep. San Pedro, Umg. [= environs] Vaca Jhu, Lux [= at light], 20.–24.II.1993, leg. K. HOHENSTEIN; 6 ♂♂, 3 ♀♀, 2 specimens without abdomen, Paso Yobayi, 3.XI.1951. – **Argentina**: 2 ♀♀, Santa Ana, XII.1952.

Distribution: Mexico, Honduras, El Salvador, Costa Rica, Panama, Colombia, Venezuela, Guyana, Suriname, French Guiana, Brazil, Paraguay, Argentina, Peru, Bolivia.

Dilobopterus auctulus (Jacobi, 1905)

Colombia: 1 ♂, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Colombia, Peru, Bolivia.

Dilobopterus dispar (Germar, 1821)

Brazil: 2 ♂♂, Rio Grande do Sul, Panambi, 450 m, an Sonnenblumen [= on sunflowers], 27.I.1971, leg. H. SCHAAL.

Distribution: Bolivia, Brazil, Uruguay, Argentina.

Dilobopterus exaltatus (Fabricius, 1803)

Peru: 1 ♂, Hacienda Mascoitania, Urwald [= virgin forest], 10.–12.IX.1957, Anden-Expedition.

Distribution: French Guiana, Guyana, Peru, Bolivia, Brazil.

Erythrogonia imitatrix (Jacobi, 1905)

Peru: 2 ♂♂, 3 ♀♀, Prov. Cuzco, Machu Picchu, 2400 m, 4.IV.1974, leg. H. KOSTENBADER.

Distribution: Peru, Bolivia.

Erythrogonia partita Melichar, 1926

Costa Rica: 1 ♂, 1 ♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [= edge of brook], an Gräsern u. Strauchwerk [= on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK.

Distribution: Mexico, Costa Rica.

Erythrogonia quadriplagiata (Walker, 1851)

Colombia: 1 ♂, Valle, Cali, 1000 m, 14.III.1979, leg. P. A. SCHNEBLE.

Distribution: Costa Rica, Panama, British West Indies, Colombia, Venezuela.

Exogonia assimilis (Signoret, 1853)

Brazil: 1 ♂, Nova Teutonia, 27°11'S 52°23'W, 300–500 m, X.1969, leg. F. PLAUMANN.

Distribution: Brazil.

Ferrariana trivittata (Signoret, 1854)

Paraguay: 1 ♂, 1 ♀, 1 specimen without abdomen, San Pedro, W Vacajhú [= Vaca Jhu], Estancia Triangulo, 24°35'–40°S 56°35'–45°W, 180 m, 1.–6.XI.1995, leg. F. BRETZENDORFER & C. HÄUSER; 2 ♀♀, same data except 12.–15.XI.1995; 1 ♂, 2 ♀♀, Dep. San Pedro, Umg. [= environs] Vaca Jhu, Estancia Triangulo, Ruta 10, km 252, 20.–24.II.1993, leg. F. BRETZENDORFER; 1 ♂, 2 ♀♀, same data except 25.–28.II.1993. – **Brazil**: 1 ♂, Santa Catarina, Nova Teutonia, II.1972, leg. F. PLAUMANN; 2 ♂♂, 1 ♀, Rio Grande do Sul, Panambi, im Xaxim, 18.I.1974, leg. H. SCHAAL.

Distribution: Brazil, Costa Rica, Panama, Colombia, Peru, Bolivia, Paraguay, Argentina.

Fusigonalia metaensis Young, 1977

Colombia: 5 ♂♂, 3 ♀♀, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Colombia.

Graphocephala redacta (Fowler, 1900)

Venezuela: 2 ♂♂, 1 ♀, Caracas, östl. Stadtrand [= eastern periphery], 870 m, 8.XI.1975, leg. P. KNECHT.

Distribution: Mexico, Guatemala, Costa Rica, Panama, Venezuela, French Guiana.

Hortensia similis (Walker, 1851)

Peru: 1 ♂, Dep. Junín, San Ramón, 11°08'S 75°18'W, ca. 800–900 m, ca. 10 km SW, bewaldetes Bachtal zw. Plantagen [= forested stream valley between plantations], 23.XII.1997, leg. B. KREUSEL; 1 ♀, Prov. Cuzco, Machu Picchu, 2700 m, 22.III.1973, leg. H. KOSTENBADER. – **Colombia**: 1 specimen without abdomen, Antioquia, Guarne, 2100 m, 13.VII.1973, leg. P. A. SCHNEBLE; 4 ♂♂, 5 ♀♀, Antioquia, Caldas, “Salinas”, 1700 m, 24.III.1964, leg. P. A. SCHNEBLE; 5 ♂♂, 1 ♀, Cali, 1200 m, 1.IV.1964, leg. P. A. SCHNEBLE; 34 ♂♂, 13 ♀♀, 1 specimen without abdomen, Antioquia, Fredonia, 2000 m, 19.VIII.1976, leg. P. A. SCHNEBLE; 2 ♀♀, Medellín, La Estrella, 1720 m, 30.I.1974, leg. P. A. SCHNEBLE; 2 ♂♂, Antioquia, La Estrella, 2100 m, 14.VIII.1976, leg. P. A. SCHNEBLE; 1 ♂, Antioquia, El Santuario, 2100 m, 20.IV.1975, leg. P. A. SCHNEBLE. – **Argentina**: 1 ♂, T. N. Formosa, loc. Grau Guardia, IX.1952. – **Costa Rica**: 2 ♂♂, 1 ♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [= edge of brook], an Gräsern u. Strauchwerk [= on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK. – **Ecuador**: 1 ♀, Pichincha, El Unión de Toachi, 0°18'S 78°57'W, 850–900 m, L. F. [= at light], 14.XII.1999, leg. D. BARTSCH & C. HÄUSER. – **Brazil**: 2 ♀♀, Santa Catarina, Nova Teutonia, 8.–25.III.1978, leg. F. PLAUMANN; 1 ♀, Panambi, I.1976, leg. H. SCHAAL; 12 ♂♂, 12 ♀♀, Rio Grande do Sul, Panambi, im

Xaxim, 18.I.1974, leg. H. SCHAAL. – **Venezuela**: 4 ♂♂, 4 ♀♀, E Caracas, 870 m, 14.XII.1975, leg. P. KNECHT; 7 ♂♂, 9 ♀♀, 2 specimens without abdomen, E Caracas, 960 m, 13.XI.1975, leg. P. KNECHT. – **Paraguay**: 1 ♂, Distr. San Pietro [Dep. San Pedro], Vaca Jhu, 20.IV.1987, leg. K. HOHENSTEIN; 1 ♀, Dep. San Pedro, Umg. [=environs] Vaca Jhu, Estancia Triangulo, Ruta 10, km 252, 25.–28.II.1993, leg. F. BRETZENDORFER; 2 ♂♂, 1 ♀, same data except Ruta 5 and 30.IX.–9.X.1988. – **Dominican Republic**: 1 ♂, 1 ♀, Puerto Plata, Brachland [=waste land] Punta, a. nied. Pflanz. [=on lower plants], 13.–24.III.1991, leg. L. RAPP. – **Mexico**: 1 ♂, Tapachula, 3.5 km S, 173 m, 15.II.–5.III.1974, leg. G. & M. KÖHLER.

Distribution: USA, Mexico, Central and South America, West Indies.

Iragua diversa (Signoret, 1855)

Peru: 1 ♂, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, LF. [=at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: French Guiana, Brazil, Peru, Bolivia, Colombia.

Jakrama eureka Young, 1977

Peru: 1 ♂, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, LF. [=at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: Peru, Colombia.

Jozima leucopa (Walker, 1858)
[in the sense of YOUNG (1977)]

Peru: 2 ♂♂, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, LF. [=at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: Peru, Bolivia.

Ladoffa ignota (Walker, 1851)

Costa Rica: 2 ♂♂, 2 ♀♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [=edge of brook], an Gräsern u. Strauchwerk [=on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK; 1 ♂, 1 ♀, Puerto Viejo, a. d. Str. n. [=at the road to] Limon, 18.IV.1986, leg. M. & V. CAJEK.

Distribution: Costa Rica, Panama, Colombia (mainland and Gorgona Island), Guyana, Belize.

Ladoffa sannionis Young, 1977

Costa Rica: 2 ♂♂, 7 ♀♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [=edge of brook], an Gräsern u. Strauchwerk [=on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK; 1 ♀, Su-retka-Talamanca, 6.V.1986, leg. M. & V. CAJEK.

Distribution: Mexico, Central America, Colombia, Venezuela, Ecuador, Guyana, Suriname.

Macugonalia cavifrons (Stål, 1862)

Brazil: 1 ♀, Rio Grande do Sul, Panambi, 17.XI.1971, leg. H. SCHAAL; 2 ♀♀, same data except 14.XI.1971; 1 ♀, same data except 450 m and 28.XI.1971; 4 ♂♂, 1 ♀, same data except im Xaxim and 18.I.1974; 1 ♀, same data except 1.XII.1971 and

Lichtfang am Haus [=at light near house]; 3 ♀♀, same data except 29.XI.1971 and an Sonnenblumen [=on sunflowers]; 1 ♀, Rio Grande do Sul, Herval Seco, an Strauchwerk i. Wald [=on shrubs in the forest], 6.XII.1971, leg. H. SCHAAL. – **Colombia**: 1 ♀, Monterredondo, 1200 m, 14.II.1961, leg. P. A. SCHNEBLE; 1 ♀, Bogotá, ca. 60 km [E] near Monterredondo, 1400 m, 24.VI.1973, leg. P. A. SCHNEBLE. – **Paraguay**: 3 ♀♀, Distr. San Pietro [Dep. San Pedro], Vaca Jhu, 20.IV.1987, leg. K. HOHENSTEIN; 7 ♂♂, 10 ♀♀, Asunción, Hotelgarten "Frauenhilfe", 18.II.1993, leg. F. BRETZENDORFER; 2 ♀♀, Dep. San Pedro, Colonia Friesland, aus Druschabfall von Sojabohnen [=threshing remains of soybeans], 25.II.1993, leg. F. BRETZENDORFER.

Distribution: Venezuela, Colombia, Peru, Bolivia, Brazil, Paraguay, Argentina.

Macugonalia leucomelas (Walker, 1851)

Brazil: 1 ♀, Rio Grande do Sul, Panambi, 450 m, Lichtfang [=at light], 1.XII.1971, leg. H. SCHAAL; 1 ♂, 4 ♀♀, 1 specimen without abdomen, same data except 26.XI.1971 and an Strauchwerk. i. G. [=on shrubs]; 6 ♂♂, 6 ♀♀, same data except 14.XI.1971; 1 ♀, same data except 25.XI.1971 and an Sonnenblumen [=on sunflowers]; 1 ♂, same data except 14.IV.1971 and an *Chrysanthemum*; 1 ♂, same data except 24.IV.1971 and an *Rubus*. – **Paraguay**: 1 ♂, 5 ♀♀, Dep. San Pedro, Umg. [=environs] Vaca Jhu, Estancia Triangulo, Wald bei Korral [=forest near corral], 1.–6.III.1993, leg. F. BRETZENDORFER; 1 ♂, 1 ♀, same data except 20.–24.II.1993; 1 ♂, 3 ♀♀, same data except an Rosen [=on roses]; 1 ♂, San Pedro, W Vacajhú [=Vaca Jhu], Estancia Triangulo, 24°35'–40'S 56°35'–45'W, 180 m, 1.–6.XI.1995, leg. F. BRETZENDORFER & C. HÄUSER; 12 ♂♂, 5 ♀♀, 1 specimen without abdomen, Paso Yobayi, 3.XI.1951. – **Argentina**: 1 ♂, Santa Ana, XII.1952.

Distribution: Bolivia, Brazil, Paraguay, Argentina, Venezuela.

Macugonalia limitatula Young, 1977

Colombia: 1 ♂, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Colombia.

Macugonalia moesta (Fabricius, 1803)

Colombia: 1 ♀, Bogotá, ca. 60 km E near Monterredondo [Monterredondo], 1400 m, 3.XII.1961, leg. R. & H. SCHAAL.

Distribution: Guyana, Suriname, French Guiana, Brazil, Ecuador, Peru, Bolivia, Colombia.

Macugonalia sobrina (Stål, 1862)

Brazil: 3 ♂♂, 2 ♀♀, Rio Grande do Sul, Panambi, im Xaxim, 18.I.1974, leg. H. SCHAAL.

Distribution: Brazil, Argentina.

Macugonalia umbrosa Young, 1977

Colombia: 1 ♂, Antioquia, Fredonia, 2000 m, 19.VIII.1976, leg. P. A. SCHNEBLE; 1 ♂, Bogotá, ca. 60 km [E] near Monterredondo, 1400 m, 24.VI.1973, leg. P. A. SCHNEBLE; 3 ♂♂, 1 ♀, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Colombia.

Macunolla ventralis (Signoret, 1854)

Costa Rica: 2 ♀♀, Talamanca, 8.V.1986, leg. M. & V. CAJEK; 1 ♂, Suretka-Talamanca, an Gräsern u. a. nied. Pflanzen [= on grass and other lower plants], 6.V.1986, leg. M. & V. CAJEK; 1 ♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [= edge of brook], an Gräsern u. Strauchwerk [= on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK.

Distribution: Mexico, Belize, Guatemala to Colombia, Ecuador.

Mareja anceps (Fowler, 1900)

Costa Rica: 1 ♀, Peninsula Nikoya, Montezuma, Buchurici, 100 m, Bachufer [= edge of brook], an Gräsern u. Strauchwerk [= on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK.

Distribution: Costa Rica, Panama, Colombia, Venezuela.

Microgoniella tristicula (Melichar, 1926)

Colombia: 1 ♂, 1 ♀, Medellin, La Estrella, 1720 m, Seminar, an Geranien [= on *Geranium*], 10.VI.1976, leg. P. A. SCHNEBLE; 1 ♂, same data except Augustin and 15.III.1974.

Distribution: Colombia.

Onega krameri Takiya & Cavichioli, 2004

Ecuador: 21 ♂♂, 4 ♀♀, Cotopaxi, San Francisco de las Pampas, Otonga-Reserve, 0°25'S 79°00'W, 1800–2000 m, L. F. [= at light], 15.XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Venezuela, Ecuador, Peru, Bolivia, Brazil.

Onega orphne Takiya & Cavichioli, 2004

Ecuador: 6 ♂♂, 1 ♀, Pichincha, El Unión de Toachi, 0°18'S 78°57'W, 850–900 m, L. F. [= at light], 14.XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Ecuador.

Oragua discoidula (Osborn, 1926)

Brazil: 1 ♂, Rio Grande do Sul, Panambi, im Xaxim, 18.I.1974, leg. H. SCHAAL.

Distribution: Brazil, Paraguay, Argentina, Colombia.

Pachitea subflava (Walker, 1851)

Colombia: 1 ♀, Monterredondo, 1200 m, 11.–14.II.1961, leg. P. A. SCHNEBLE.

Distribution: Venezuela, Colombia.

Parathona gratiosa (Blanchard, 1840)

Brazil: 1 ♂, Rio Grande do Sul, Panambi, 450 m, an Brombeere i. G. [= on blackberry], 20.II.1972, leg. H. SCHAAL; 1 ♀, same data except 28.XI.1971; 2 ♀♀, same data except 14.XI.1971. – **Paraguay:** 1 ♂, Dep. San Pedro, Umg. [= environs] Vaca Jhu, Estancia Triangulo, Wald bei Korral [= forest near corral], 1.–6.III.1993, leg. F. BRETZENDORFER.

Distribution: Brazil, Bolivia, Paraguay, Argentina.

Paromenia falcata Young, 1977

Ecuador: 2 ♂♂, Pichincha, El Unión de Toachi, 0°18'S 78°57'W, 850–900 m, L. F. [= at light], 14.XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Ecuador, Peru.

Paromenia weyrauchi Young, 1977

Peru: 1 ♂, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, L. F. [= at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: Peru.

Pawiloma fulpae Young, 1977

Peru: 1 ♂, Prov. Cuzco, Machu Picchu, 2.7 km SE Winay Wayna, 2600 m, 2.IV.1974, leg. H. KOSTENBADER; 1 ♂, 1 ♀, Prov. Cuzco, Machu Picchu, 2700 m, 22.III.1973, leg. H. KOSTENBADER.

Distribution: Peru.

Pawiloma victima (Germar, 1821)

Argentina: 3 ♂♂, 3 ♀♀, near Rosario, 19.V.1978, leg. K. HOHENSTEIN.

Distribution: Brazil, Paraguay, Argentina.

Plesiommata mollicella (Fowler, 1900)

Ecuador: 6 ♂♂, 7 ♀♀, Pichincha, El Unión de Toachi, 0°18'S 78°57'W, 850–900 m, L. F. [= at light], 14.XII.1999, leg. D. BARTSCH & C. HÄUSER; 2 ♂♂, Cotopaxi, San Francisco de las Pampas, Otonga-Reserve, 0°25'S 79°00'W, 1800–2000 m, L. F. [= at light], 15.XII.1999, leg. D. BARTSCH & C. HÄUSER. – **Brazil:** 1 ♂, Rio Grande do Sul, Panambi, 450 m, Lichtfang [= at light], 15.II.1971, leg. H. SCHAAL; 1 ♀, same data except 10.III.1970; 2 ♀♀, same data except 24.III.1971 and Lichtfang am Haus [= at light near house].

Distribution: Mexico, Belize, Colombia, Venezuela, French Guiana, Ecuador, Bolivia, Paraguay, Brazil, Argentina, Nicaragua, Guatemala, Costa Rica, Panama.

Punahuana brunneatula (Osborn, 1926)

Peru: 1 ♂, 3 ♀♀, Prov. Cuzco, Machu Picchu, 2.7 km SE Winay Wayna, 2600 m, 2.IV.1974, leg. H. KOSTENBADER; 1 ♂, 2 ♀♀, same data except 4.IV.1974.

Distribution: Peru, Bolivia.

Scopogonalia subolivacea (Stål, 1862)

Paraguay: 4 ♂♂, 6 ♀♀, Paso Yobayi, 3.XI.1951; 1 ♀, same data except "war parasitiert" [= was parasitized].

Distribution: Peru, Bolivia, Brazil, Paraguay, Argentina.

Scoposcartula limitata (Signoret, 1853)

Brazil: 1 ♂, 1 ♀, Rio Grande do Sul, Panambi, 14.XI.1971, leg. H. SCHAAL.

Distribution: Brazil, Paraguay, Argentina.

Sibovia compta (Fowler, 1900)

Mexico: 3 ♂♂, 5 ♀♀, Guerrero, Tasco, Hacienda San Francisco, 1700 m, 1.–13.II.1972, leg. G. & M. KÖHLER.

Distribution: USA, Mexico, Guatemala, El Salvador, Costa Rica.

Sibovia festana Young, 1977

Colombia: 2 ♂♂, 1 ♀, Antioquia, Fredonia, 2000 m, 19.VIII.1976, leg. P. A. SCHNEBLE; 3 ♂♂, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Colombia, Venezuela, Ecuador, Peru, Mexico.

Sibovia sagata (Signoret, 1854)

Brazil: 2 ♀♀, Rio Grande do Sul, Panambi, 450 m, Lichtfang am Haus [= at light near house], XII.1971, leg. H. SCHAAL; 4 ♂♂, 3 ♀♀, same data except 26.XI.1971 and an Strauchwerk [= on shrubs].

Distribution: Brazil, Argentina, Bolivia.

Sibovia taeniatifrons (Schmidt, 1928)

Colombia: 2 ♀♀, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Colombia, Ecuador, Peru.

Sonesimia dimidiata Young, 1977

Brazil: 9 ♂♂, 12 ♀♀, Rio Grande do Sul, Sinimbu, an Sonnenblumen [= on sunflowers], 15.II.1971, leg. H. SCHAAL; 1 ♂, Rio Grande do Sul, Panambi, an *Rubus*, 10.III.1971, leg. H. SCHAAL.

Distribution: Argentina, Brazil.

Sonesimia grossa (Signoret, 1854)

Paraguay: 1 ♂, 1 ♀, 1 specimen without abdomen, Dep. San Pedro, Umg. [= environs] Vaca Jhu, Ruta 5, 30.IX.–9.X.1988, leg. F. BRETZENDORFER; 1 ♂, 1 ♀, Distr. San Pietro [Dep. San Pedro], Vaca Ihu [Jhu], 17.IV.1987, leg. K. HOHENSTEIN; 1 ♂, 2 ♀♀, same data except 20.IV.1987.

Distribution: Bolivia, Brazil, Paraguay, Argentina.

Soosiulus salutaris (Fowler, 1900)

Costa Rica: 1 ♀, Puerto Viejo-Talamanca, 100 m, 1.–16.II.1986, leg. M. & V. CAJEK.

Distribution: Costa Rica, Panama, Nicaragua, Colombia, Peru.

Sphaeropogonia miniatula Jacobi, 1905

Peru: 1 ♀, Dep. Madre de Dios, Puerto Maldonado, 12°37'S 69°11'W, ca. 250 m, Rio Madre de Dios, 2 h abwärts [= downstream], Privatreservat Ecoamazonia Lodge, 22.–30.XI.1997, leg. B. KREUSEL.

Distribution: Peru, Bolivia.

Stehlikiana obsoleta (Signoret, 1854)

Colombia: 1 ♂, 1 ♀, Cundinamarca, Monterredondo, 1500 m, 24.II.1975, leg. P. A. SCHNEBLE.

Distribution: Venezuela, Colombia.

Stephanolla rufoapicata (Fowler, 1900)

Costa Rica: 1 ♂, 1 ♀, Puerto Viejo-Talamanca, 1.–16.IV.1987, leg. M. & V. CAJEK; 1 ♀, Puerto Viejo, a. d. Str. n. [= at the road to] Limon, 25.IV.1987, leg. M. & V. CAJEK.

Distribution: Costa Rica, Panama.

Syncharina punctatissima (Signoret, 1854)

Brazil: 4 ♀♀, Rio Grande do Sul, Panambi, 450 m, Lichtfang [= at light], 28.III.1973, leg. H. SCHAAL.

Distribution: Brazil, Argentina, Bolivia.

Tettisama bisellata (Signoret, 1862)

Peru: 2 ♂♂, Dep. Madre de Dios, Puerto Maldonado, 12°37'S 69°11'W, ca. 250 m, Rio Madre de Dios, 2 h abwärts [= downstream], Privatreservat Ecoamazonia Lodge, 22.–30.XI.1997, leg. B. KREUSEL; 1 ♀, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, LF. [= at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: Colombia, Guyana, French Guiana, Brazil, Ecuador, Peru, Bolivia, Panama, Venezuela.

Tettisama quinque maculata (Germar, 1821)

Brazil: 1 ♂, Rio Grande do Sul, Santa Cruz do Sul, an Blättern v. Gummibaum [= on rubber tree leaves], III.1981, leg. H. SCHAAL.

Distribution: Suriname, Brazil, Paraguay, Argentina, Colombia.

Tlagonalia nigroguttata (Signoret, 1855)

Guatemala: 2 ♂♂, 1 ♀, Guatemala, 1884, leg. SARG.

Distribution: Mexico, Guatemala.

Tylozygus fasciatus (Walker, 1851)

Colombia: 2 ♂♂, 4 ♀♀, 1 specimen without abdomen, Cali, 1200 m, 1.IV.1964, leg. P. A. SCHNEBLE; 1 ♀, Antioquia, Fredonia, 2000 m, 19.VIII.1976, leg. P. A. SCHNEBLE. – **Venezuela:** 6 ♂♂, 5 ♀♀, E Caracas, 870 m, 14.XII.1975, leg. P. KNECHT; 8 ♂♂, 7 ♀♀, same data except 960 m and 13.XI.1975; 5 ♂♂, 11 ♀♀, same data except Östl. Stadtrand [= eastern periphery] and 8.XI.1975.

Distribution: Mexico, Central America, West Indies, Venezuela, Colombia, Ecuador, Peru, Brazil.

Tylozygus geometricus (Signoret, 1854)

Costa Rica: 2 ♂♂, 2 ♀♀, Peninsula Nikoya, Montezuma, 100 m, Bachufer [= edge of brook], an Gräsern u. Strauchwerk [= on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK; 1 ♂, 1 ♀, Talamanca, 8.V.1986, leg. M. & V. CAJEK; 2 ♀♀, Puerto Viejo-Talamanca, 100 m, 1.–16.II.1986, leg. M. & V. CAJEK. – **Mexico:** 1 ♂, Tapachula, 3.5 km S, 173 m, 15.II.–5.III.1974, leg. G. & M. KÖHLER.

Distribution: USA, Mexico, Central America, West Indies, Venezuela, Colombia, Peru, Brazil.

Versigonalia ruficauda (Walker, 1851)

Brazil: 1 ♂, 1 ♀, Nova Teutonia, 27°11'S 52°23'W, 300–500 m, XII.1969, leg. F. PLAUMANN.

Distribution: Brazil, Argentina.

3.2 Proconiini

Acrogonia virescens (Metcalf, 1949)

Paraguay: 8 ♂♂, 9 ♀♀, Asunción, Hotelgarten “Frauenhilfe”, 18.II.1993, leg. F. BRETZENDORFER; 1 ♀, Dep. San Pedro, Colonia Friesland, aus Druschabfall von Sojabohnen [= threshing remains of soybeans], 25.II.1993, leg. F. BRETZENDORFER; 1 ♂, San Pedro, W Vacajhú [= Vaca Jhu], Estancia Triangulo, 24°35–40'S 56°35–45'W, 180 m, 7.–11.XI.1995, leg. F. BRETZENDORFER & C. HÄUSER.

Distribution: Guyana, Peru, Brazil, Paraguay.

Aulacizes quadripunctata (Germar, 1821)

Brazil: 8 ♀♀, Rio Grande do Sul, Herval Seco, an Strauchwerk i. Wald [= on shrubs in the forest], 6.I.1971, leg. H. SCHAAL.

Distribution: Brazil, Argentina.

Dechacona missionum (Berg, 1879)

Argentina: 1 ♀, Prov. Salta, Parque Nacional Baritú, Finca Jaculika, 19.XII.1990, leg. T. OSTEN; 1 ♀, Prov. Salta, Rosario de Lerma, 25.–27.XII.1990, leg. T. OSTEN. – **Brazil:** 1 ♂, 2 ♀♀, Rio Grande do Sul, Panambi, 450 m, 24.XI.1971, leg. H. SCHAAL; 1 ♀, same data except 24.I.1971 and “an nied. Pflanzen” [= on lower plants].

Distribution: Brazil, Argentina, Paraguay, Peru.

Diastostemma blantoni Young, 1977

Ecuador: 1 ♂, Zamora-Chinchipe, Parque Nacional Podocarpus, Rio Bombuscara, National Park Station, 4°06'S 78°57'W, 1000–1200 m, L.F. (im Wald) [= at light in the forest], 5.–6. XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Panama, Belize, Ecuador, Peru, Colombia, Venezuela.

Diastostemma parvum Schmidt, 1910

Ecuador: 1 ♂, Zamora-Chinchipe, Rio San Francisco, Estación Científica San Francisco, 3°58'S 79°04'W, 1850 m, L.F. [= at light], 10.–11.XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Ecuador.

Diastostemma ptolyca Distant, 1908

Paraguay: 1 ♂, San Pedro, W Vaca Jhu, Estancia Triangulo, 24°35–40'S 56°35–45'W, ca. 180 m, Lux [= at light], 1.–6. XI.1995, leg. K. HOHENSTEIN; 1 ♀, same locality as before, 7.–11. XI.1995, leg. F. BRETZENDORFER & C. HÄUSER.

Distribution: Brazil, Paraguay.

Egidemia paranceps Young, 1977

Costa Rica: 1 ♂, Peninsula Nikoya, Montezuma, 100 m, Bachufer [= edge of brook], an Gräsern u. Strauchwerk [= on grass and shrubs], 18.II.1986, leg. M. & V. CAJEK.

Distribution: Costa Rica, Panama.

Homoscarta ecuadoriana Schmidt, 1928

Ecuador: 1 ♂, Zamora-Chinchipe, Parque Nacional Podocarpus, Rio Bombuscara, National Park Station, 4°06'S 78°57'W,

1000–1200 m, L.F. (im Wald) [= at light in the forest], 5.–6. XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Ecuador.

Paraulacizes aurantiaca (Signoret, 1855)

Mexico: 1 ♂, Mexico, VON ROSER, 1872 [1872 is the year the VON ROSER collection came into the SMNS].

Distribution: Mexico.

Proconia marmorata (Fabricius, 1803)

Ecuador: 1 ♂, Zamora-Chinchipe, Parque Nacional Podocarpus, Rio Bombuscara, National Park Station, 4°06'S 78°57'W, 1000–1200 m, L.F. (im Wald) [= at light in the forest], 5.–6. XII.1999, leg. D. BARTSCH & C. HÄUSER.

Distribution: Ecuador.

Pseudometopia amblardii (Signoret, 1855)

Paraguay: 2 ♂♂, Dep. San Pedro, Umg. [= environs] Vaca Jhu, Lux [= at light], 25.–28.II.1993, leg. K. HOHENSTEIN; 1 ♂, San Pedro, W Vacajhú [= Vaca Jhu], Estancia Triangulo, 24°35–40'S 56°35–45'W, 180 m, 7.–11.XI.1995, leg. F. BRETZENDORFER & C. HÄUSER.

Distribution: Mexico, Colombia, Ecuador, Peru, Bolivia, Brazil, Paraguay, Argentina.

Tapajosa spinata Young, 1968

Venezuela: 1 ♂, 300 km E Caracas, Küste [= coast], 12.VIII.1975, leg. P. KNECHT.

Distribution: Venezuela, Ecuador.

Tretogonia cribrata Melichar, 1926

Peru: 4 ♂♂, 3 ♀♀, Dep. Madre de Dios, Puerto Maldonado, 12°37'S 69°11'W, ca. 250 m, Rio Madre de Dios, 2 h abwärts [= downstream], Privatreservat Ecoamazonia Lodge, 22.–30. XI.1997, leg. B. KREUSEL; 7 ♂♂, 8 ♀♀, Madre de Dios, Zona Reservada Tambopata-Candamo, vic. Explorer's Inn, 12°51'S 69°18'W, 250 m, L.F. [= at light], 12.–16.XI.1997, leg. C. HÄUSER & B. KREUSEL.

Distribution: Brazil, French Guiana, Peru, Bolivia.

Tretogonia notatifrons Melichar, 1926

Argentina: 5 ♂♂, 3 ♀♀, T.N. Formosa, loc. Grau Guardia, II.1953; 2 ♂♂, 4 ♀♀, same data except II.1952. – **Paraguay:** 3 ♂♂, 1 ♀, Dep. San Pedro, Umg. [= environs] Vaca Jhu, Estancia Triangulo, Ruta 10, km 252, Lux [= at light], 25.–28.II.1993, leg. K. HOHENSTEIN; 1 ♂, 1 ♀, San Pedro, W Vacajhú [= Vaca Jhu], Estancia Triangulo, 24°35–40'S 56°35–45'W, 180 m, 7.–11.XI.1995, leg. F. BRETZENDORFER & C. HÄUSER; 1 ♂, 2 ♀♀, San Pedro, W Vaca Jhu, Estancia Triangulo, 24°35–40'S 56°35–45'W, ca. 180 m, Lux [= at light], 1.–6.XI.1995, leg. K. HOHENSTEIN; 3 ♀♀, same data except 7.–11.XI.1995; 1 ♂, same data except 1.–6.III.1993.

Distribution: Brazil, Suriname, French Guiana, Ecuador, Bolivia, Paraguay, Argentina.

4 References

- LINNAVUORI, R. & HELLER, F. (1961): Beitrag zur Cicadelliden-Fauna von Peru. – Stuttgart Beiträge zur Naturkunde **67**: 14 pp.
- LOZADA, P. W. & LEÓN A., C. (1996): El género *Cephalogonia* Evans, 1947 (Homoptera: Cicadellidae) en el Perú. – Revista peruana de Entomología **39**: 11–12.
- McKAMEY, S. H. (2007): Taxonomic catalogue of the leafhoppers (Membracoidea). Part 1. Cicadellinae. – Memoirs of the American entomological Institute **78**: 394 pp.
- MEDLER, J. T. (1960): *Agrosoma*, a new genus for *Tettigonia pulchella* Guérin and related species (Homoptera: Cicadellidae). – Annals of the entomological Society of America **53**: 18–26.
- MEDLER, J. T. (1963): A review of the genus *Erythrogonia* Melichar (Homoptera: Cicadellidae). – Entomological Society of America miscellaneous Publications **4**: 3–30.
- TAKIYA, D. M. & CAVICHIOLI, R. R. (2004): A review of the Neotropical sharpshooter genus *Onega* Distant, 1908 (Homoptera: Cicadellidae: Cicadellini). – Zootaxa **718**: 1–19.
- YOUNG, D. A. (1968): Taxonomic study of the Cicadellinae (Homoptera: Cicadellidae). Part 1. Proconiini. – United States National Museum Bulletin **261**: 287 pp.
- YOUNG, D. A. (1977): Taxonomic study of the Cicadellinae (Homoptera: Cicadellidae). Part 2. New World Cicadellini and the genus *Cicadella*. – North Carolina agricultural Experiment Station, technical Bulletin **239**: 1135 pp.

Author's address:

Dr. PEDRO W. LOZADA, Departamento de Entomología, Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Av. Arenales 1256, Apartado 14-0434, Lima 14, Peru;
e-mail: plozada21@hotmail.com

Manuscript received: 3.VI.2009, accepted: 15.X.2009.