

The description of a new species of *Agrilus* Curtis, with distributional records, and taxonomic and biological notes for Agrilinae and Trachyinae (Coleoptera: Buprestidae) of Mexico and Central America

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Abstract

This paper treats 225 species of Buprestidae in the genera *Agrilus*, *Brachys*, *Callimicra*, *Cyphothorax*, *Dismorpha*, *Hylaeogena*, *Leiopleura*, *Lius*, *Omochyseus*, *Pachyschelus*, *Paragrilus*, *Taphrocerus* and *Trypantius*. New country records are recorded for Mexico and all Central American countries. *Agrilus vandenberghae* Westcott and Hespeneide, new species, from Central America and Mexico, and the male of *Agrilus eyai* Westcott and Noguera are described and figured. Rational is provided for changing *Agrilus aurilatera* Waterhouse to *A. aurilaterus*; *A. catherinae* Chevrolat is shown to be a justified emendation of *A. catharinae*; *A. complexus* (Waterhouse) is a new combination; and *A. consobrinus* Dugès is synonymized with *A. correctus* Thompson.

Key words: Buprestidae, Agrilinae, Mexico, Central America, distribution, new species

Introduction

There has been much interest of late in Buprestidae of Central America and especially Mexico, mostly of a descriptive nature, but also in biodiversity, faunal studies and cataloging efforts. The family is abundant, prominent and diverse in those areas; however, many species are known from one or a very few specimens. For most other species, even some of the more common ones, distributional data is incomplete. For Mexico alone Hespeneide (1996) included about 1,300 species (782 of them described), but suggested there may actually be closer to 2,000. Our data on the Agrilinae are based mostly on specimens we have examined, the majority of which were submitted to us for identification. The number of host records provided herein, indeed that are recorded in the

literature for these regions, is limited. Hosts remain unknown even for some of the most common species, and this subject is a fertile ground for endeavor on the entire family. This paper is intended to further our knowledge for the subfamily Agrilinae, particularly to make new information available for catalogs and faunal studies. The vast majority of information provided herein is new distribution records. However, we are describing one new species of *Agrilus* from Central America and Mexico because a great many specimens have been taken and distributed to collections in both the Old and New World. The additional records in this paper are from Mexico unless indicated as being from Central America, in which case they are new for the countries noted in the label data. Nine species are new to Belize, six to Costa Rica, seven to El Salvador, two to Guatemala, 27 to Honduras, one to Nicaragua, and eight to Panama. The 31 new country records for Mexico are clearly indicated in boldface type. Mexican state abbreviations (see below) printed in all capital letters indicate a new record. Within the data provided for new state/country records, we have not ascertained if adult hosts have been reported in the literature. Years of collection from the 20th Century are given as two digits; those from the 21st Century are cited in full.

Of special interest for distributional knowledge of Mexican Agrilinae are the collections made by G. B. Hinton and R. L. Usinger in the District of Temascaltepec, specifically at Real de Arriba and Tejupilco, during 1931 and 1932. Numerous specimens of Buprestidae collected by them in that region apparently were either incorrectly labeled "DF" or incorrectly attributed to that district by Fisher (1933), and were so recorded in the literature. Later, without noting the earlier error, Fisher (1938) correctly placed those localities in the State of Mexico. Therefore, numerous species described by him, notably in *Agrilus*, and recorded from DF, undoubtedly do not occur there. Hespeneide (1990) listed "DF" in the distribution of *Agrilus albofasciatus* Waterhouse, *A. cavatus* Chevrolat, *A. ixcuinae* Fisher, and *A. nodifrons* Waterhouse, all based on erroneously labeled specimens.

Abbreviations for the Mexican states, following U. S. Customs Directive No. 5610-002A, dated April 10, 2002 (reviewed April 2005), are provided here for convenience: AGS=Aguascalientes, BCN=Baja California, BCS=Baja California Sur, CAMP=Campeche, COAH=Coahuila, COL=Colima, CHIS=Chiapas, CHIH=Chihuahua, DGO=Durango, GTO=Guanajuato, GRO=Guerrero, HGO=Hidalgo, JAL=Jalisco, MEX=México, MICH=Michoacán, MOR=Morelos, NAY=Nayarít, NL=Nuevo León, OAX=Oaxaca, PUE=Puebla, QRO=Querétaro, QROO=Quintana Roo, SLP=San Luis Potosí, SIN=Sinaloa, SON=Sonora, TAB=Tabasco, TAMPS=Tamaulipas, TLAX=Tlaxcala, VER=Veracruz, YUC=Yucatán. ZAC=Zacatecas. Distrito Federal = DF. Unless otherwise indicated, collection and institutional codens follow the "Insect and Spider Collections of the World" web site, Bishop Museum: (www.bishopmuseum.org/bishop/ento/codens-r-us.html, as of January, 2006). Codens appear at the end of data and may refer to multiple records preceding them. Specimens designated as deposited in FSCA are from the collections of B. K. Dozier and G. H. Nelson, which have been donated to that institution.

Agrilus vandenberghiei Westcott and Hespeneheide, new species
(Figs. 1–5)

Holotype male: 6.62 mm long, 1.59 mm wide across elytral humeri, 1.72 mm wide across abdominal sternite 2 as viewed from above, head with front and antennal segments 1–6 light metallic green, black on occiput with narrow coppery margin in front, outer antennal segments mostly black; pronotum with disk dull metallic blue-green, sides black with purplish coppery reflection; elytra brighter metallic blue-green, each with a broad bright metallic red lateral stripe extending 5/8 distance from base, then abruptly narrowing and dulling to near apex; beneath black with golden reflections medially and on legs. Vestiture white.

Head with eyes shallowly, yet notably emarginate internally; frons vase-shaped, more or less flattened, surface finely granulate, vertex finely strigate with a vague fine carina extending onto frons; vestiture moderately dense, short, recumbent; clypeus broadly shallowly emarginate, finely and sharply carinate at juncture with frons. Antennae with 4th segment weakly serrate, strongly serrate from 5th segment. Pronotum finely transversely rugose on disk, punctures fine and more evident basally, becoming confusedly rugose-punctate laterally; vestiture very short, sparse, recumbent; prehumeral carinae bold, strongly arcuate, covering basal 2/5; surface with disk shallowly convex, rather flattened laterally and with a broad oblique depression on either side mesad of prehumeral carina; front margin broadly bisinuate, distinctly lobed at middle; lateral margins gradually divergent to about basal 1/3 then subparallel to near apex where they converge to meet front margin in a narrowly triangular anterior angle; basal margin strongly sinuate on either side of broadly truncate median lobe, hind angles quadrate; submarginal carinae straight, sharp, extending to apical 1/5, converging with lateral margin well short of base. Scutellum microreticulate, finely indistinctly carinate, narrowly and triangularly projecting behind. Elytra coarsely, rather evenly imbricate-punctate, broadly depressed basally on either side, vestiture short, sparse, longer and more dense in depressions, subrecumbent; base strongly sinuately lobed on either side of scutellum; apices separately narrowly rounded, finely densely serrate; hind angles oblique. Pygidium black with strong golden reflection, moderately punctate, with a fine median carina that does not project. Underside: prosternum with mentoniere very shallowly arcuate at middle, widely deflexed; surface finely densely asperate-punctate, densely clothed with long setae; median process slightly expanding beyond coxal cavities, then converging to narrowly rounded apex. Abdomen with surface finely punctate, densely so on sternites 1 and 2, which are flattened but not grooved, more sparsely so on sternites 3–5; setae short, dense, recumbent at sides and on vertical portions, dense long and subrecumbent on middle of sternites 1–2 (especially) and 5, and more sparsely so on hind margins of sternites 3–4, somewhat sparse on middle of sternites 3–4; suture between sternites 1 and 2 distinctly indicated throughout, more boldly so at sides; sternite 5 broadly rounded, deeply grooved

following behind “double margin”; when viewed from above, sides of sternites 1–2 distinctly visible, that of sternite 3 less so. Hind coxae arcuately expanded internally, subtruncate externally to subquadrate outer margin. Legs with pro- and mesotibiae mucronate, metatibiae about 1.2 X long as metatarsi, the latter with basal tarsomere equal in length to next three combined; femora with dense long white setae along outer margin ventrally; tarsal claws with inner teeth stout, widely separated, those of protarsus longer, almost attaining length of outer claws. Aedeagus as in Figs. 3–4.

Allotype female: 6.43 mm long, 1.46 mm wide across elytral humeri, 1.72 mm wide across abdominal sternite 2 as viewed from above; differing from male as follows: front of head dark, with vague coppery reflection which is pronounced coppery-red below, more brassy on clypeus; antennae black; prosternum sparsely pubescent; abdominal sternites 1 and 2 with sides slightly more visible from above, more swollen and not flattened on middle, where setae are short and recumbent; legs with lower marginal setae of femora not so pronounced, especially on forefemur, tibiae without mucros, basal tarsomere about equal in length to next two combined.

Material examined: Holotype male (USNM) labeled “NICARAGUA, Rivas, vic. Rancho Santana, 6-7-XII-2003, Eric van den Berghe/on freshly fallen niño muerto, CAESALPINIA EXOSTEMMA (=C. konzattii)”; allotype female (USNM) from NICARAGUA, Granada, Domitila, on wood *Caesalpinia konzattii*, 14-15-III-2004, E. van den Berghe; 176 male, 116 female, and 8 unsexed paratypes, NICARAGUA, same data as holotype and allotype, plus Granada, Domitila, 26-30-XII-2003, 9 & 20-IV, 7-9 VI-2004; Volcán Mombacho, 18-V-2003; and Rivas, Chacocente-Astillero, 7-10-XII-2002; Playa La Flor, 2-V, 8-XI-97, 1-8-IV, 1-VIII-2000, 2-II-2004; Playa La Flor, reared ex wood *Caesalpinia konzattii*, III/IV-2004; Reserva La Flor, 29-30-XII-98, 16-18-II-2001, 16-18-VIII, 31-XII-2003; San Juan del Sur, 1-II-98; vic. Rancho Santana, 15-I, 6-IV-2004, all collected by E. van den Berghe; COSTA RICA, Guan., 3 km NO Nacaome, P.N. Barro Honda, 100 m, I-93, M. Reyes; GUATEMALA, El Progreso, 3.5 km E El Rancho, 15-16-VIII-79, E. L. Sleeper. Paratypes deposited in collections of P. Brandl, Kolbermoor; S. Gottwald, Berlin; E. Jendek, Bratislava; J. Marek, Prague; H. Mühle, Munich; G. Novak, Vienna; ACLC, BMNH, CASC, CEAM, CHAH, CLBC, CNC, DSVC, FSCA, GCWC, INBC, LACM, NMPC, RLWE, SEAN, SGWC, TCMC, WFBC, WFBM, UCDC, UNAM, USNM. Additionally, the following specimens have been examined but not made paratypes: MEXICO, Yucatán, 16 km N Felipe Carrillo Puerto, 2-VI-92, F. T. Hovore; X-can, V-67, E. C. Welling, CHAH; 120 km E Merida, nr. Chichen Itza, VI-VIII-68, E. C. Welling, FSCA.

Variation: Males vary in length from 5.09–7.71 mm, females from 5.22–7.71 mm. The green reflection on the pronotal disc varies in extent and distinctiveness; usually it is strongly evident, rarely it is evanescent. The lateral red elytral stripe always is distinct, yet it is variably developed in length. On some specimens there may be no evidence of it on the apical 1/4 to 1/3 of the elytra. In males, the frons sometimes exhibits coppery

reflections and may be golden green below, and commonly there is no coppery margin between it and the dark occiput. In females, the middle of the frons often shows green or blue-green reflection, sometimes golden green above, yet is always darker than on males.

Distribution: This species has been collected in Central America from Costa Rica to Guatemala, and on the Yucatán Peninsula of Mexico.



FIGURES 1–5. 1–4. aedeagi of *Agrilus* spp.: 1, *A. eyai* Westcott and Noguera, dorsal; 2, same, ventral; 3, *A. vandenbergei* sp. nov., dorsal; 4, same, ventral. 5, dorsal habitus, *A. vandenbergei* sp. nov.

Biology: According to Eric van den Berghe (in litt.), most specimens he collected in Nicaragua were on the trunk and branches of freshly fallen *Caesalpinia exostemma* (= *C.*

conzattii), down less than a week and with leaves still green and moist. Mating was observed mostly on the trunk. One of us (RLW) has observed a similar habit with *Agrilus detractus* Waterhouse in Michoacán, Mexico, on downed leguminous trees.

Comparison: *Agrilus vandenberghii* does not appear close to any described species of the genus known to us. In color pattern it superficially resembles *A. duncani* Knull because of the participation of both species in the large mimicry complex whose models are clytrine chrysomelids (Hespenheide, 1996). Several other similarly mimetic, undescribed species of *Agrilus* are known from Mexico, one of which has been collected mostly in the western states and appears closely related to *A. vandenberghii*.

Etymology: We name this species to honor Eric van den Berghe, who has collected many and varied Buprestidae, notably in Nicaragua, and whose generosity with specimens and biological observations has stimulated us to describe it.

Species notes

Agrilus abstersus Horn

PUE, 1 mi N Coxcatlán, 28-VII-73, DSVC; SIN, Río Fuerte & Hwy. 15, 20 m, 8-9-VII-79, CLBC.

Agrilus abductus Horn

HGO, 3.3 mi beyond Santuario, road to Tixqui, 2262 m, 20°41.165', 99°08.910, 12/14-VI-2004, juniper-oak-pinyon-mixed hardwood forest, RLWE.

Agrilus acaciae Fisher

NL, 5 mi S Monterrey, 3-VI-61, CNC; QRO, Hwy. 69, 27 km NW Jalpan at Río Santa Marta, 3-VI-87, FSCA; SLP, 4.1 mi E Cd. del Maíz, 11-VI-87, FSCA.

Agrilus admirabilis Hespenheide

GRO, 16 km NW Iguala, 19-24-VII-83, EMEC. MICH, 5.4 mi N Nueva Italia, 17-VI-87, FSCA.

Agrilus affinis Waterhouse

MEX, 7.4 km NW Temascaltepec, 2148 m, 20-VIII-81, CLBC.

***Agrilus albofasciatus* Waterhouse**

GRO, 1 mi NE La Laguna, 17-VII-84, CHAH, TAMU.

***Agrilus alborubronigrus* Hespeneheide**

GRO, 2 mi N Cacahuamilpa, 19-VII-84, TAMU.

***Agrilus albovariegatus* Hespeneheide**

NAY, Jesús María, 1-10-VII-55, EMEC.

***Agrilus apicalis* Waterhouse**

TAMPS, 80 km S Cd. Victoria, Hwy. 85, ca. La Gloria, 23-25-VI-81, FSCA.

***Agrilus arizonicus* Obenberger**

JAL, Guadalajara, 8-VI-2003, MCZC; 4.5 km NE Cajititlán, vic. Guadalajara, 1525 m, 17-X-88, Coll. ADMC; SON, Sierra de Los Ajos, Cañon de Evans, 28-VIII-70, WFBM.

***Agrilus asperulus* Waterhouse**

HGO, nr. Jacala, 2-3-VII-65, USNM; ZAC, Hac. Laguna Balderama, 2.5 mi W Fresnillo, 8200', 9-VII-54, FMNH.

***Agrilus atkinsoni* Hespeneheide**

PUE, 5 mi SE Izucar de Matamoros, 20-VII-84, TAMU.

***Agrilus atripennis* Chevrolat**

MICH, San José Purua, 8-9-VII-87, FSCA.

***Agrilus aureus* Chevrolat**

COAH, 12.4 mi S Saltillo, 4-VII-84, TAMU; HGO, Tezontepec, 21 mi SW Actopan, 5500', 27-VIII-62, SMEC; ZAC, 9 mi S Fresnillo, 20-VIII-56, EMEC.

***Agrilus aurilaterus* Waterhouse**

Agrilus aurilatera Waterhouse 1889:120

Although Waterhouse (1889) obviously was aware that the genus *Agrilus* is masculine, the feminine species epithet he used for this species has been of concern. It is a pleural, the suffix being derived from the Latin noun *latus*. If this compound epithet were somehow construed to be a noun in apposition, then according to ICZN Article 11.9.1.2 it is incorrect, as such names must be singular. However, certainly it is an adjective. Therefore, according to ICZN Article 11.9.1.1 such a species-group name must be in the nominative singular. According to Don Cameron (University of Michigan), there are Late (Renaissance) Latin compound adjectives such as *longilaterus*, *multilaterus*, etc. which justify changing to *aurilaterus* to match the gender of the genus. Specimens of this uncommonly collected species were seen from JAL, Guadalajara, 1-VII-2003, MCZC, RLWE; Jocotepec, 15-VIII-87; 14 km W Magdalena, 1380 m, trop. decid. Forest, 7/8-VII-81, CLBC. Hespeneide (1974) reported this species from DF, Temascaltepec; however that district is in MEX (see comments in the introduction about specimens collected by Hinton).

***Agrilus aurulentus* Hespeneide**

MEX, 3 km E Sto. Tomás d. l. Platanos, 1424 m, 21-VIII-91, CLBC; MICH, 5.4 mi N Nueva Italia, 17-VI-87, FSCA.

***Agrilus baboquivariae* Fisher**

SON, 10 mi W Alamos, 21-VII-54, AMNH; 10 mi SE Alamos, 29-VI-63, UCDC; 10 km N Alamos, La Higuera, 430 m, 8-VIII-92; 18-31 km E Navojoa, 284-420 m, 8-VIII-92, CLBC (new record, Mexico).

***Agrilus balaenicaudus* Westcott and Noguera**

SON, Can. Sapopa, Río Mayo, 15-X-34, CASC.

***Agrilus balaenoides* Waterhouse**

CHIS, Sumidero Nat. Park, Tuxtla Gutiérrez, 27-IX-89, FTHC; MEX, 3 km E Sto. Tomás, de Los Platanos, 1424 m, 19-VIII-91, CLBC.

***Agrilus basalis* Chevrolat**

OAX, Temescal, 5-VII-65, FSCA; SLP, 6 mi N Tamazunchale, 22-VIII-60, CNC, and 30 mi S Cd. Valles, 20-IX-74, EMUS; TAMPS, Rancho de Cielo, nr. Gómez Farías, 4000', 6-VI-83, cloud forest, RLWE.

***Agrilus bicarinatus* Waterhouse**

CHIS, Palenque, 80 m, 29-VII-83, RLWE; SLP, 4.1 mi E Cd. del Maíz, 11-VI-87; TAMPS, Playa Altamira, 3, 5-VII-87, FSCA; YUC, X-can, 12-VIII-62, EMEC, and 1 km S Xcalacoop, 24-V-84, FSCA.

***Agrilus biformis* Hespeneheide**

GRO, 32 mi SE Petatlán, 10-VII-85, TAMU; 6 km N Chilpancingo, 16-17-VIII-84, CLBC.

***Agrilus bucolicus* Kerremans**

COL, 11.3 mi S Colima, 27-VI-83, CHAH, FSCA; DGO, 24 mi W La Ciudad, 19-VII-64; OAX, Guelatao, 18-VIII-69; SIN, 15 mi W El Palmito, 17-VII-64, CNC.

***Agrilus catalinae* Knull**

SON, 10 mi SE Alamos, 29-VI-63, UCDC.

***Agrilus catherinae* (Chevrolat)**

The original spelling for this species (Chevrolat, 1835) was "*catharinae*"; however, in his description, Chevrolat (1835) stated: "Trouvé pour la première fois, par Mme Ve Sallé (Catherine)." According to ICZN Article 32.5.1, "*catherinae*" can be considered a justified emendation in that "*catharinae*" is a misspelling of the honoree's name. Without stating a reason, Waterhouse (1889) used "*catherinae*," as have all subsequent authors, so that the spelling can also be considered a justified emendation under ICZN Article 33.2.3.1. Both interpretations of the situation therefore favor "*catherinae*" as the correct name. CHIH, Guasaremos, Río Mayo, 5-VIII-35, CASC; VER, Cotaxtla, 19-VI-87, CLBC. COSTA RICA, Guan., 2.3 km SE entrada de Parq. Nac. Santa Rosa, 28-V-86, RLWE; 3 km SE Río Naranjo, 16-V to 31-VIII-93, CLBC, EMUS. HONDURAS, Francisco Morazón, 25.5 km SE Talanga, Finca Archaga, 3-VI-93, CLBC, FWSC.

***Agrilus cavatus* Chevrolat**

HONDURAS, Com., 5 km NW Taulabé, Río Jaitique, 29-VII-77, RLWE.

***Agrilus cavifrons* Waterhouse**

CHIS, 16 km W Ocozocoautla (El Aguacero), 14-VII-95, ACLC; NAY, 2 km E Punta de

Mita, N20.46, W105.29, 26-VII-90, on *Celtis iguanaeus*, RLWE; 30-VII-2-VIII-91; SON, 18 km E Navojoa, 8-VII-92, CLBC.

Agrilus centralis Waterhouse

COSTA RICA, 4 km N. Cañas, 12-VII-83; HONDURAS, Jicaro Galan, 700', 31-V-93; Valle, 8.3 km W Nacaome, 2/3-VIII-79, 150m, CLBC.

Agrilus cercidii Knull

OAX, 10 mi S Huajuapán de León, 27-VI-65, TAMU; ZAC, Zacatecas, 10-VI-62, UCDC.

Agrilus cerinoguttatus Chevrolat

CHIS, 42 km N Custepeques, 28-VIII-90, EBCC; GRO, Hwy. 95, 9 km N Ocotito, 2900', 7-VII-89, WFBC; HGO, 26 mi SW Tamazunchale, 5-VII-64, DSVC; JAL, 25 mi N Guadalajara, 21-VIII-70, EMEC; 7.4 km S El Tuito, 1-VIII-91, CLBC; OAX, 3.3 mi E Río Hondo, 5-VIII-80, TAMU; 27 km NNE Santa María Ecatepec, 16°23.071', 95°47.688', 860 m, 17-VII-2003, beaten from *Acacia* sp., RLWE; SIN, 3 mi E Malpica, 16-17-VII-82, CLBC; SLP, El Bañito, Valles, 200', 26-VI-40, CASC.

Agrilus chevrolati Waterhouse

CHIS, 8 mi S Simojovel, 10-VI-69, CNC.

Agrilus chihuahuae Cazier

ZAC, 8 mi Escobido, 6500', 19-20-VII-54, FMNH.

Agrilus chiricahuae Fisher

CHIH, Cañon Prieto, nr. Primavera, 6500-6800', 2-VII-47, AMNH; DGO, 3 mi W El Salto, 19-VI-64; SON, Yecora, 20-22-V-61, CNC (**new record, Mexico**).

Agrilus cochisei Knull

CHIH, 10 km E General Trías [28°21'N, 106°22W, 1610 m], 20-VIII-91, EMUS.

Agrilus collaris (Waterhouse)

JAL, Est. Biol. Chamela, 16-22-VII-94, malaise, EBCC; MICH, San José Purua, 8-9-VII-

87, FSCA; OAX, 6 mi NE Mitla, 20-VII-85, TAMU; road to Micro. Ocoteppec, 16°49.37', 96°21.73', 2000-2100m, 6 km S Matatlán, hwy.190, 7.x.03, on *Eysenhardtia* sp.; PUE, 6 km SW Acatepec, 18°13'N, 97°38'W, 1990 m, 17-VII-96; 5 km SSW Nopala, 18°26'N, 97°40'W, 2075 m, 15-VII-96; 6 km S Teontepec, 18°28'34"N, 97°34'30"W, 1890 m, 25-VI-97, RLWE; VER, Est. Biol. "Los Tuxtlas", 17-21-IV-89, EBCC.

***Agrilus complexus* (Waterhouse). comb. nov.**

This species was originally described in the genus *Paradomorphus*, which was synonymized with *Agrilus* by Hespeneide (1974) without making the explicit combination for this species. CHIS, 16.4 mi E Tapanatepec (Oaxaca), 12-13-VII-62, CNC. HONDURAS, 17 km N Taulabe, Lake Yojoa, 13-VIII-78, EMEC (**new record, Mexico**)

***Agrilus correctus* Thomson, 1878:90**

Agrilus consobrinus Dugès, 1891:32. **syn. nov.**

DGO, 5 mi E Revolcaderos, 8-VIII-63, DSVC; OAX, Oaxaca, 27/VI-31/VIII-68, CHAH; SIN, 15 mi W El Palmito, 8-VII-64, CNC. The Oaxacan specimen was compared with material in the USNM determined by Fisher as *A. consobrinus* and with the unique type of *A. correctus* in Paris. The two names refer to the same species.

***Agrilus corrugatus* (Waterhouse)**

COL, 11.3 mi S Colima, 27-VI-83, CHAH, FSCA; SIN, 2 mi W El Palmito, 6600', 18-VIII-74, RLWE.

***Agrilus crapulellus* Thomson**

SLP, 5 mi S Cd. Valles, 24-VI-71; TAMPS, Nacimiento del Rio Frio, 15-VIII-71. BELIZE, Cayo, mile 36 Western Hwy, 10-VIII-77, RLWE; Orange Walk, Río Bravo Cons. area, vic. La Milpa Field Sta., 8-13-VII-96, RLWE, WBWC. HONDURAS, Atl., 10 km W La Ceiba, 6-VIII-77; Com., Siguatepeque, 18-VII-74; Ola, 5 mi SE Catacamas, 13-VI-74, RLWE.

***Agrilus cupreonitens* Fisher**

SON, 18 km E Navojoa, 290 m, 8-VIII-92, CLBC.

***Agrilus delectabilis* Waterhouse**

OAX, 4.4 mi S Matias Romero, 11-VII-62, CNC.

***Agrilus delicatulus* Waterhouse**

NAY, 5.7 mi NE San Blas, 21-VII-63, RLWE.

***Agrilus demissus* Kerremans**

VER, "Cordova", BMNH. Described from "Mexique", apparently there are no other records in the literature.

***Agrilus detractus* Waterhouse**

NAY, 2 Km E Punta de Mita, 20.46N, 105.29W, 26-VII-90, RLWE; 22, 27-VII-93, CLBC; YUC, Chichén Itzá, 18,19-V-87, CLBC; 2 km E Chichén Itzá, 16-VI-90, RHTC.

***Agrilus discoidalis* Waterhouse**

CHIS, Parque Nac. El Aguacero, 16 km W Ocozocoautla, 9-VI-89, CMNC.

***Agrilus divaricatus* Waterhouse**

MEX, Presa, Valle de Bravo, 19-VII-91; NAY, 4.2 km WNW Cruz de Huanacastle, 30-VII-2-VIII-91, CLBC; PUE, 3 km N Calipán, 18°17'N, 97°11'W, 30-X-90, RLWE; 5 km SSE Chila, 17°57', 98°07', 7-VII-92, CLBC.

***Agrilus dolli* Schaeffer**

YUC, 1 km S Xcalacoop, 11-VI-83, FSCA; 6 km W Valladolid, 2-VIII-90, CLBC.

***Agrilus dugesi* Kerremans**

CHIS, 3 mi SW Cintalapa, 19-X-76, TAMU; GTO, Guanajuato, MNHN; JAL, Puente Grande, 5000', 20-VIII-54, CNC; NAY, 13.7 mi NW Compostela, 11-IX-86, CHAH, FSCA; ZAC, Nochistlán, 6500', 21-VIII-79, UCDC.

***Agrilus eleanorae* Fisher**

HGO, vic. Jacala, Km 2, road to San Nicolas, 1323 m, 20°59.659', 99°10.953', 18-VI-2004, CEAM, RLWE; OAX, 18 mi NW Totolapan, 29-VII-63, EMEC.

***Agrilus emarginatus* (Waterhouse)**

COL, Hwy. 110 at Tecolapa, 500', 20-VII-95, CLBC.

***Agrilus esperanzae* Knull**

QROO, 5 km W Chetumal, Hwy. 186, 20-V-87, CLBC. In Mexico, this species had been known only from Jalisco.

***Agrilus exustus* Waterhouse**

CHIS, 2.3 mi W Las Cruces, 13-VII-62, CNC.

***Agrilus eyai* Westcott & Noguera**

This species was described (Westcott & Noguera 1995) from a single female collected from Mexico, Jalisco, Estación de Biología Chamela. A male from the same locality, collected 4-5-VII-75, RLWE, measuring 11.57 mm long, 3.08 mm wide, differs as follows: Less robust, elytra more tapering to apex; abdomen more flattened beneath, sides of second visible segment not visible from above; fore- and mesotibiae with a mucro on inner margin at apex; aedeagus as in Figs. 1 and 2. Another male, collected the same day, is in EBCC.

***Agrilus falli* Fisher**

CHIH, Cuauhtémoc, 16-VII-50, AMNH; JAL, Guadalajara, CMNH (**new record, Mexico**).

***Agrilus felix* Horn**

SON, 20 mi W Sonoyta, 13-VI-62, AMNH.

***Agrilus femoralis* Waterhouse**

NAY, 4.2 km WNW Cruz de Huanacastle, 30-VII-2-VIII-91, CLBC; SLP, Km 260, Hwy 85, 1 km SW Taman, 21°13'22", 98°52'55", 18-VI-2004, on *Celtis* sp., RLWE.

***Agrilus flavoguttatus* Waterhouse**

VER, 7 mi NE Mata Espino, 1-VII-71, TAMU. The species was recorded from "Mexico" by Maes *et al.* (1993), undoubtedly based on this record.

***Agrilus flohri* (Waterhouse)**

CHIH, El Limón, Río Mayo, 27-VII-56, CASC.

Agrilus fosseicollis Thomson

JAL, 5.5 mi NE Tecolotlán, 13-VII-82, CSCA. HONDURAS, El Paraiso, Yuscarán, 25-V-93, CLBC, FWSC, FSCA, RHTC, RLWE.

Agrilus fossulatus Waterhouse

COL, 9 mi NW Comala, 17-18-VII-83, TAMU.

Agrilus funestus Gory

COL, 3 km SW Confradía del Suchitlán, 4000', 2-VII-95, CLBC; GRO, Hwy. 95, 9-12 km N El Ocotito, 2900-3200', 6-VII-89, WFBC; HGO, Hwy. 105, 2 mi NE Tehuetlán, 1000', 7-V-83, CLBC; MICH, 10.6 mi S Uruapan, 24-VII-83, TAMU; NAY, NW Jala, Volcán Ceboruco, 6200', pine-oak, 24-VII-93, CLBC; PUE, Gilberto Comancho, 18-VI-51, CUIC. HONDURAS, Comayagua, Siguatepeque, 15-VII-77, RLWE.

Agrilus furcillatus Chevrolat

QRO, km 5, Tilaco Agua Zarca, N21.10.886, O99.13.343, 1070 m, 21-VII-98, Coll., K. Brailovsky; SLP, Tamazunchale, 500', 18-VI-37, CASC. EL SALVADOR, Morazón, Perquín, Perkin Lenca Lodge, 1120 m, 3-IX-2002, RLWE.

Agrilus fuscus Hesperheide

COL, 7 mi SSW Colima, Hwy. 110, 9-VII-84; GRO, 1 mi NE La Laguna, 17-VII-84, TAMU; NAY, 13 km NNW Chapalilla, 4300', 25-VI-93; OAX, 8 km NE Oaxaca (Hwy. 175), 1667 m, 17°06'N, 96°38'W, 29-VI-96, CLBC; PUE, Chila, 1800 m, 5-7-VII-92, ZMAS.

Agrilus geronimoi Knull

SON, Yecora, 20-22-V-61, CNC (**new record, Mexico**).

Agrilus gibbicollis Fall

NL, 5 mi S Monterrey, 21-VII-63, CMNC (**new record, Mexico**).

Agrilus griseoniger Hesperheide

PUE, 5 mi SW Izucar de Matamoros, 15-VII-87, TAMU.

Agrilus heterothecae Knull

GTO, Ojo de Agua, 6-IX-69, CNC; SIN, 18 mi N Mazatlán, 10-VIII-63, CLBC; SON, La Aduana, 1600', 24-VIII-63, CLBC (**new record, Mexico**).

Agrilus hilaris Waterhouse

BELIZE, S.C., mile 28 Hummingbird Hwy, 18-VIII-77; PANAMA, Canal Zone, Madden Forest, 7-VIII-75, RLWE.

Agrilus hintoni Fisher

OAX, Puerto Escondido, 15-VII-85, TAMU.

Agrilus howdeni Knull

SON, Yecora, 20-22-V-61, CNC (**new record, Mexico**).

Agrilus huachucae Schaeffer

DGO, 10 mi W Durango, 12-VII-54, EMEC.

Agrilus iaotli Fisher

OAX, 1 mi W Mitla, 21-VII-79, FSCA.

Agrilus ignotus Waterhouse

SIN, 2 mi W El Palmito, 6600', 18-VIII-74, RLWE. This is a highly variable species, the color ranging from metallic green or bluish green to coppery or, perhaps only in females, with the elytra purplish black and the pronotum bright coppery red, thus superficially resembling several other species in Mexico.

Agrilus impressicollis Gory

OAX, 5 km NE Tezoatlán, 17°42', 97°46', 1672 m, 29-VI-96; GRO, Hwy. 134, 6.9 km NE jct. Hwy. 200, 14-VII-85, CLBC.

Agrilus inaequalis Waterhouse

YUC, 1 km S Ticul, 21-X-91, dead citrus/meadow, CLBC (**new record, Mexico**).

Agrilus incertus Chevrolat

CHIS, 2 mi N Simojovel, 9-VI-69, CNC.

Agrilus ixcuinae Fisher

VER, La Buena Ventura, "09", AMNH; Cotaxtla Exp. Sta., Cotaxtla, 22-VII-62, EMEC.
HONDURAS, Cortés, hills above San Pedro Sula, 17-IX-84, CLBC.

Agrilus jaliscoanus Westcott & Noguera

NAY, 9 km E Tuxpan, Micro. La Peñita, 21.50.98, 105.12.85, 400 m, 17-VII-95, EBCC.

Agrilus lacustris LeConte

NL, 5 mi S Monterrey, 21-VII-63, CMNC; TAMPS, 33 mi N El Limón, 24-VI-71, RLWE.

Agrilus laticaudatus Waterhouse

CHIS, Teopisca, 31-VII-69, CNC (**new record, Mexico**).

Agrilus lautuellus Fisher

NL, 23.6 mi SW Linares, 3-VII-74, TAMU (**new record, Mexico**).

Agrilus lecontei celticola Fisher

DGO, San Antonio El Salto, 5000', 10-VI-37, CASC.

Agrilus lentulus Waterhouse

SLP, 11 km SE Huichihuayan, 24-VI-77, CHAH.

Agrilus lucanus Fall

SIN, 5 mi N Mazatlán, 18-VII-72, FSCA; OAX, Hwy 125, 8 mi N Hwy 200, nr. Pinotepa Nacional, 640', 19-VII-86, UAIC; ZAC, 2.8 mi S Santa Rosa, 9-VII-87, CLBC. This species has been known only from BCS.

Agrilus luctator Kerremans

ZAC, 2.8 mi S Santa Rosa, Hwy. 54, 9-VII-87, CLBC.

***Agrilus macer* LeConte**

NL, 5 mi S Monterrey, 28-VII-63, CNC (**new record, Mexico**).

***Agrilus major* Waterhouse**

JAL, Chapala, 15-VIII-49, CNC; MEX, 10.5 km NE Zuluapán, 1276 m, 23-VIII-91; OAX, 26 km N Putla, Hwy. 125, 26-X-90, CLBC; La Escondida, Rt. 190, km. 727, 11-VII-66, USNM.

***Agrilus malvastri* Fisher**

DGO, 2 mi S La Zarca, 16-VII-64, EMEC; ZAC, 4 mi NE Concepción de Oro, 4-VII-84, TAMU (**new record, Mexico**).

***Agrilus marginatus* Waterhouse**

GRO, 18 mi S Chilpancingo, 18-VII-63, CHAH, UCDC; MEX, Temascaltepec, Tejupilco, VI-33, USNM; MICH, 28 km E, 8 km S Morelia, 2100 m, 14-15-VII-79, CLBC; NAY, Compostela, 13-IX-70, EMEC.

***Agrilus megerlei* Fisher**

GRO, 5 km S Milpillas, 17-VII-92; 6 mi NE Taxco, 5600', 14-VIII-74, CLBC; JAL, 14 km W Magdalena, 1380 m, 7-8-VII-81.

***Agrilus mentitus* Kerremans**

VER, Hwy. 150, 2 mi E Cuitlahuac, 3-VII-65, FSCA.

***Agrilus mexicanus* Gory**

CHIS, 3 mi NNW Pueblo Nuevo, 27-VII-65, CHAH, FSCA; MICH, 12 mi NE Uruapan, 12-IV-80, CHAH, TAMU.

***Agrilus muscicoloratus* Hesperheide**

MEX, 1 mi N Valle de Bravo, 6500', 7-VIII-82, CLBC.

***Agrilus mutabilis* Waterhouse**

HGO, Parc. Nac. Los Marmoles, 4.8 km N Trancas, 20°49'15"N, 99°15'28"W, 1905 m,

20-VII-99; PUE, 4-5 km SSE Chila, 17°57', 98°07', 1770-1830 m, 5/7-VII-92, RLWE. This widely ranging species is highly variable. Further study may show it to be polytypic or to represent a species complex. Based on the first author's experience, it seems to be associated with the genus *Acacia*, as are so many species of *Agrilus* in Mexico.

***Agrilus napatecutli* Fisher**

OAX, 20 mi E Tehuantepec, 16-VIII-64; 43 km W Salina Cruz, 91 m, 14-VII-87, acacia thorn scrub, RLWE.

***Agrilus neoflohri* Hespeneide**

JAL, 7 mi W Tequila, 10-VII-73, DSVC; NAY, Navarette, 28-VII-73, AMNH.

***Agrilus neoprosopidis* Knull**

CHIS, L. Montebello N. P., 5000', 30-V-69, CNC; TAMPS, Altas Cumbres, 12 mi SW Cd. Victoria, 19-III-86, TAMU.

***Agrilus nigroauratus* Hespeneide**

GRO, 14 km W Iguala, 21-VII-87, FSCA; PUE, 5 km NW Petlalcingo, 18°04', 97°58', 1400 m, 5-VII-92, CLBC.

***Agrilus nodifrons* Waterhouse**

MEX, 2.4 km SE Zuluapan, 1412 m, 21-VIII-91, CLBC.

***Agrilus obolinus* LeConte**

COAH, 20 mi SE Saltillo, 6000', rt 015, 20-21-VI-71, CMNC.

***Agrilus obscurilineatus* Vogt**

NL, Hwy. 58, 32 mi W Linares, 6000', 11-IX-82, RLWE; SLP, 4.1 mi E Cd. de Maíz, 11-VI-87, FSCA.

***Agrilus obtusus* Horn**

NL, 10 mi W Linares, 21-IX-63, EMEC (**new record, Mexico**).

***Agrilus olivaceoaeneus* Hesperheide**

PUE, 20 km E Acatlán, 5-7-VII-92, ZMAS.

***Agrilus ometauhtli* Fisher**

GTO, 2 mi W Dolores Hidalgo, 5-VII-85; NL, 9 mi W Iturbide, 3-VII-74, TAMU; PUE, 51 mi E Puebla, 6800', 7-VI-56; SLP, 16 mi S Sta. María de Río, 6500', 29-VI-71, RLWE; TAMPS, 75 mi SW Cd. Victoria, 16-VI-83, FSCA, RLWE.

***Agrilus opacipennis* Waterhouse**

OAX, 10 km NE Huajuapán de León, 1680 m; 5.2 km SE Huitzo (26 km NW Oaxaca), 1680 m, 9-VII-92; PUE, 6 km S Teontepec, 18°28'34" N, 97°34'30" W, 1890 m, 25-VI-97, all beating *Celtis* spp., RLWE.

***Agrilus oglobini* Obenberger**

HONDURAS, Tegucigalpa, road to Parq. Nac. La Tigra, Jutiapa, 4700-5200', 23-V-93; D.C., 8 km SE Tamara, Hwy. 1, 27-VIII-77, CLBC.

***Agrilus parabductus* Knull**

NL, hwy. 58 at Galeana Jct., 1-VI-87, FSCA; TAMPS, Bocatoma, 7 km SSE Gómez Farías, 25-30-III-78, FSCA.

***Agrilus parkeri* Knull**

CHIH, Barranca del Urique, 31-III-72, UNAM (**new record, Mexico**).

***Agrilus parvusculus* Obenberger**

HGO, 10 mi SW Jacala, 23-VI-62, CNC.

***Agrilus pectoralis* Waterhouse**

CHIH, Chihuahua, 14-17-IV-61; DGO, Durango, 3-V-61, CNC; GRO, Acapulco, BMNH; JAL, 18 mi NW Guadalajara, 30-IV-61, CNC.

***Agrilus percarus* Kerremans**

COL, 3 km SW Confradia de Suchitlán, 4000', 21-VII-95, CLBC.

***Agrilus perlucidus* Gory**

MICH, 7 km S Patzcuaro, 2200 m, 27-X-87; 15 km S Santa Clara, S of Patzcuaro, 28-X-87, EBCC, RLWE; OAX, 8 mi NE El Punto, 18-VII-85, TAMU; PUE, Puebla, 13-VII-37; SIN, 44 mi NE Villa Unión, CLBC.

***Agrilus phaenicopterus* Waterhouse**

GUATEMALA, Baja Vera Paz, 14.5 km N Salamá on Pantín Rd., 1620 m, 23-V-91, CMNC; HONDURAS, Com., Northern Highway, 46-50 km N Tegucigalpa, 3600-4000', pine forest, 25-V-93, CLBC.

***Agrilus pilosellus* Thomson**

CHIS, 35 mi SW Cintalapa, 25-VI-65, TAMU; GRO, 14 mi S Petaquillas, 23-26-VI-83, FSCA, RLWE; OAX, 27 mi SW Salina Cruz, 14-VII-87, TAMU; 5.6 km NW San Bartolo, 16°28', 95°52', 1-VII-96, CLBC. This species has been known only as from "Mexico".

***Agrilus pilosus* Waterhouse**

CHIS, 13 mi E Comitán, 3-VIII-52, EMEC. Since there are relatively few biological notes on Mexican Buprestidae, and none for this species, noteworthy is the collection of four males on white flowers of *Lantana* sp. in Oaxaca, 27 km NNE, Sta. María Ecatepec, 16°23.071', 95°47.688', 860 m, 17-VII-2003, RLWE. Members of this genus are rarely collected from flowers.

***Agrilus planatus* Waterhouse**

HONDURAS, El Paraiso, Mont Serrat, 5500', 25-V-93, FSCA, RHTC, RLWE.

***Agrilus politus politus* (Say)**

GTO, 12 mi N San Miguel Allende, 22-VI-87, CHAH, FSCA.

***Agrilus prionurus* Chevrolat**

TAMPS, Río Sabinas, El Encino, 11-XI-78, TAMU; VER, Cordova, MNHN. This species has been known only from the holotype labeled "Mexique".

***Agrilus prodigiosus* Fisher**

NAY, 10 km NW Cruz de Huanacastle, 26-VII-90, WFBC.

***Agrilus prosopidis* Fisher**

OAX, 15.3 km ENE, 3.5 km S Magdalena Tequisistlán, 183 m, 16-17-VII-81, CLBC.

***Agrilus proximulus* Fisher**

CHIS, 13 mi E Comitán, 3-VIII-52, EMEC; COL, 15 mi S Colima, 16-VII-83; OAX, 4.7 mi S San Gabriel Mixtepec, 16-VII-85, TAMU; 3 km NW Huajuapán de León, 1860 m, 7-VII-92; PUE, 4 km SSE Chila, 1775 m, 5-VII-92, CLBC; 5 km SSW Nopala, 18°26'N, 97°40'W, 2075 m, 15-VII-96, RLWE.

***Agrilus pulchellus* Bland**

NAY, Jesús María, 27-VII-55, EMEC; SIN, 8 mi S Elota, 2-VII-63, UCDC.

***Agrilus quadricostatus* Waterhouse**

DGO, 5 mi W Durango, 23-VI-64, CNC; PUE, 5 km SW Acatepec, 18°13', 97°38', 1994 m, 17-VII-96, CLBC; vic. Tecuitlapa, 19°08'30", 97°32'39", 2425 m, 13-VII-2001, beating *Eysenhardtia polystachya* (kidneywood), CHAH, RLWE.

***Agrilus quadrinotatus* Gory**

JAL, Río Las Juntas, 10 km S El Tuito, 25-VII-90, RLWE; PUE, 0.5 mi E Tepexco, 1250 m, 14-VIII-77; SIN, Santa Lucía, 4000', 4-VIII-77, EMEC.

***Agrilus quercus* Schaeffer**

SIN, El Palmito, 2-VIII-83, EMEC.

***Agrilus quetzalcoatlæ* Fisher**

PUE, 2.5 km SW Zapotitlán Salinas, 5100', 18°20', 97°30', 4-VII-96, CLBC.

***Agrilus restrictus* Waterhouse**

DGO, 9 mi SW Durango, 25-VII-65, OSUC.

***Agrilus rubrovittatus* (Waterhouse)**

CHIH, 4 mi SE Témoris, 1-VIII-69, CHAH, UCDC. NICARAGUA, Dept. Matagalpa, Cerro Largo, 28-V-2005, MNAC, RLWE.

Agrilus ruginosus (Waterhouse)

SIN, 33 mi E Villa Unión, 23-VII-65, DSVC.

Agrilus sallei Dugés

HGO, Ajacuba, 8000', 21-VII-37, CASC; MEX, Tejupilco, 3960', VII-32, USNM; NAY, 20 km SW Tepic, 5-VIII-87, CLBC; OAX, 2.1 mi NW Totolapan, 7-VIII-80, TAMU; SON, Minas Nuevas, near Alamos, 31-VIII-60, DSVC.

Agrilus sanchezae Hespeneide

GRO, 6.8 km S Zumpango del Río, 1250 m, 11-X-89, RLWE.

Agrilus sanjosensis Fisher

CHIS, 8.7 mi from gate in Parq. Nac. Sumidero, 27-VII-88, TAMU; DGO, El Salto, 24-VIII-60, CLBC; TAMPS, 55 km S Cd. Victoria, 22-VI-81, FSCA (**new record, Mexico**). This species had been known only from Costa Rica.

Agrilus scabrosus Waterhouse

SIN, 7 mi San Blas, 6-VII-82, CLBC.

Agrilus sexmaculatus Waterhouse

GRO, 20 mi N Iguala, 22-VIII-58, CNC; OAX, 3 km W El Vado, 7-VII-89, CLBC; SIN, 38 mi E Villa Unión, 1-VIII-64, CNC.

Agrilus signatus Waterhouse

VER, Est. Biol. "Los Tuxtlas", 18°35'N, 95°05'W, 28-IV-91, CHAH, UNAM (**new record, Mexico**).

Agrilus simulans Waterhouse

NAY, Microondas La Peñita, 9 km E Tuxpan, 400 m, 21°50.98', 105°12.85', 17-VII-95, EBCC.

Agrilus sodalis Waterhouse

YUC, 44 mi E Valladolid, 6-VIII-74, CLBC (**new record, Mexico**). This species had been

known only from Guatemala.

***Agrilus sparsus* (Waterhouse)**

JAL, Chapala, 6-VII-62, EMEC; NAY, 24 mi SE Tepic, 13-VIII-63, CHAH, CLBC; SIN, Santa Rita, 1752 m, 4-IX-92, CLBC.

***Agrilus speciosus* Waterhouse**

JAL, Ajijic, 28-VII-54, AMNH.

***Agrilus spissus* Waterhouse**

CHIS, El Rincón, Rt. 17, 13-14-VI-69, CHAH; SLP, Hwy. 80, 13 mi W el Naranjo, 2800', 19-VI-83, CLBC. COSTA RICA, Guan., 3 km SE Río Naranjo, 1-15-VI-93, EMUS; HONDURAS, Ola., Catacamas, 15-VI-74, & 11 mi NE Catacamas, 1200', 15-VI-74, RLWE.

***Agrilus splendidipodex* Waterhouse**

CHIS, 3-5 km S La Trinitaria, 19-20-X-88, FSCA.

***Agrilus squaliformis* Thomson**

COSTA RICA, Ala[juela] Pr[ov]., 10 km W Atenas, 31-V-80; S. J., Escazu, 9-10-I-88. HONDURAS, Francisco Morazón, Zamorano, 4-X-93, FSCA, RHTC, RLWE. The record of this species from PUE (Waterhouse, 1889; specimen in BMNH) has been confirmed by Malcolm Kerley (via e-mail), thus both it and the very similar *A. balaenicaudus* occur in that state.

***Agrilus squalus* Waterhouse**

GRO, 9.4 km NE El Ocotito, 700 m, trop. decid. Forest, 7-VII-90, Coll. W. Kronblad. EL SALVADOR, Volcán Conchagua, 27/29-V-58, CLBC.

***Agrilus stellatus* Waterhouse**

HONDURAS, El Paraiso, vic. Yuscarán, 2-V-93, FSCA, RHTC, RLWE.

***Agrilus subcostatus* Waterhouse**

GRO, 2 mi E El Ocotito, 11-VII-85, TAMU; JAL, 38.8 mi S Puerto Vallarta, 9-VII-82,

CLBC, RLWE; MICH, Microondas El Pinto, 5 km N Arteaga, 18°23.526', 102°17.539', 22-VIII-2003, RLWE; SIN, 15 mi W El Palmito, 16-VII-64, CNC.

***Agrilus subguttatus* Waterhouse**

CHIS, Parq. Nac. Sumidero, 100 m, 7-VI-90, CMNC; COL, 8 mi N E Tecomán, 25-VII-66, DSVC; DGO, Durango, NMPC; GRO, Taxco, 6000', 23-VI-37, CASC; JAL, Comilla, Barranca de Oblatos, 7-VIII-53, AMNH; 18.6 km E., 7.2 km S San Luis Soyatlán [20°12', 103°18'], 13-VII-79, 1830m; 1 km S El Fresnito, 5900', 22-VII-95, CLBC; Micro. San Francisco, 19°51'N, 104°22'W, 9 km (air) N Autlán, 1800 m, 19-X-96, RLWE; NAY, 13.6 mi S Tepic, 7-VII-82, CSCA; PUE, Hwy. 150, 9 km WSW Acultzingo (Veracruz), 15-X-89, RLWE; SIN, 15 mi W El Palmito, 8-VII-64, CNC. HONDURAS, 26 mi NW Tegucigalpa, 4100', 17-VII-74, RLWE.

***Agrilus subtropicus* Schaeffer**

TAMPS, 14 km S Villagrán, 1100' (Rt. 1, km 301), 25-V-48, MCZC. HONDURAS, Yoro, Cuevitas (rd. to Pico Pijol), 500 m, 16°11'14", 87°38'53", 17-VI-99, EAPZ.

***Agrilus sulcatulus* Chevrolat**

AGS, 4 mi SW Aguascalientes, 6100', 24-X-50, AMNH; COAH, Agua N. [probably Agua Nueva, 25°11'N, 101°05'W, 1960 m], 1-X-83, UANL; HGO, vic. Cuatro Palos, 6.5 km NE Singuilucan, 2600 m, 20°00'26", 98°28'37", pine-oak-alder forest, 18-VII-99, RLWE. No host information has been recorded for this species. Specimens were collected on the leaves of and by beating *Buddleia cordata*, México, km 41, hwy. Texcoco-Calpulapan, 19°30'43", 98°52'40", 2685m, 4-IX-2006, RLWE. One of us (RLW) has collected this species on the leaves of the same plant at several other Mexican locations, thus undoubtedly it is a larval host.

***Agrilus telpuchtli* Fisher**

CHIS, 3 mi SE La Trinitaria, 18-19-VI-65, TAMU.

***Agrilus tezcatlipocai* Fisher**

CHIS, Montebello Lake area, 15-16-VI-86, FSCA.

***Agrilus titlacabanae* Fisher**

CHIS, 12 mi N Tuxtla Gutiérrez, 20-V-69, CNC; GRO, 32 mi SE Petatlán, 10-VII-85,

TAMU.

ZOOTAXA

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***Agrilus tlaculteutli* Fisher**

HONDURAS, 26 mi NW Tegucigalpa, 4100', 17-VII-74, RLWE (**new record, Central America**).

***Agrilus toteci* Fisher**

CHIS, Sumidero Nat. Park, 15-VI-89, RLWE; 16 km W Ocozocoautla (El Aguacero), 22-VI-95, ACLC; MEX, 10.5 km NE Zuluapan, 1276 m, 23-VIII-91, CLBC.

***Agrilus totochti* Fisher**

OAX, 1.6 mi N Putla, 3-VIII-76, TAMU.

***Agrilus uniformis* Waterhouse**

CHIS, El Aguacero, 680 m, 17-18-VI-90; OAX, 3 mi E Juchitán, 8-VII-88, CLBC.

***Agrilus vasiljevi* Obenberger**

CHIS, 2 mi NW Pueblo Nuevo, LLU Biol. Sta., 29-VII-65, FSCA; DGO, Sierra Durango, MNHN.

***Agrilus velasco* Fisher**

GRO, 6.5-7.9 km E Xochipala, 17-IX-89, RHTC; SIN, Mazatlán, 6-VIII-64, CNC.

***Agrilus velutinomaculatus* Waterhouse**

QROO, Xcán Nuevo, 6-7-VI-59, AMNH. EL SALVADOR, Sonsonate, Salcoatitán, El Jardín Botánico El Papaturro, 10-IX-2002, RLWE.

***Agrilus vinctus* Fisher**

PUE, 3 mi N Tehuacán, 5600', 24-VII-63, SEMC; VER, Orizaba, K. 280, 7700', 17-X-41, OSUC (perhaps this was collected on Pico de Orizaba, as otherwise the elevation cannot be correct).

Agrilus viridescens Knull

JAL, 17 mi NW Cihuatlán, 22-VII-66, TAMU; TAMPS, Liera Mesa, 1800', 7-VI-61, SEMC; ZAC, 10 mi S Jalpa, hwy. 54, 9-VII-87, CHAH, CLBC.

Agrilus waterhousei Kerremans

SIN, 15 mi W El Palmito, 11-VII-64, CNC; 9-16 km NE Sta. Lucia, 1600-1900 m, 5-VIII-90, CLBC, RLWE.

Agrilus xipetoteci Fisher

SIN, 15 mi W El Palmito, 11-VII-64, CNC.

Agrilus xiuhtecutli Fisher

JAL, 8 mi S Autlán, 8-VII-85, TAMU.

Brachys alboundulatus Obenberger

PANAMA, Chiriqui, Fortuna, 8°44'N, 82°15'W, 16-V-78, RLWE.

Brachys apachei Knull

NL, Chipinque Mesa, Monterrey, 24-26-VII-60; SON, Yecora, 7000', 22-V-61, CNC (**new record, Mexico**).

Brachys cephalicus Schaeffer

SON, Yecora, 7000', 20-22-V-61, CNC (**new record, Mexico**).

Brachys dimidiatus Waterhouse

CHIS, 8 mi SSE San Cristobal las Casas, 10-VII-56, EMEC (**new record, Mexico**).

Brachys floccosus Mannerheim

DGO, 5 mi W Durango, 8-VIII-73, DSVC; JAL, 5 km N, 15-17 km E El Tuito, 950 m, 2-X-91, beating *Quercus* sp., RLWE; MEX, 13 mi E Texcoco, 13-14-IV-79, TAMU; MICH, 12 mi NE Uruapan, 12-IV-80, TAMU; PUE, vic. Xicotepec, road to La Unión, 2 km NW Lagunillas, 20°13'30", 95°57'33", 1160 m, 19-VI-2000, RLWE. HONDURAS, Intibuca, 15 km W La Esperanza, 6-X-93, RHTC.

***Brachys gebhardti* Obenberger**

NL, Chipinque Mesa, Monterrey, 26-IV-69, CNC; PUE, Apulco [13 mi N Zaragoza], 4600', 22-23-VII-87, TAMU; VER, Jalapa, MNHN.

***Brachys nevermanni* Fisher**

NAY, Tepic, 24-III-64, CSCA; SLP, Huichihuayán, 25-IX-38, SEMC.

***Brachys ornatus* Fisher**

VER, 12 mi N Amate, 1-VII-71, TAMU.

***Brachys pulverosus* Waterhouse**

CHIS, 21 mi SE San Cristobal las Casas, 12-IV-62, AMNH; PUE, 3.2 km SW La Cumbre, 1524 m, oak forest, 23-VII-87, RLWE.

***Brachys simplex* Waterhouse**

CHIS, 9 mi E San Cristobal, 30-VII-57, EMEC; OAX, "Oaxaca", MNHN (**new record, Mexico**).

***Callimicra angustula* Waterhouse**

VER, 4.3 mi E Huatusco, 3400', 21-VI-83, cloud forest, RLWE.

***Callimicra breviscula* Waterhouse**

DGO, San Antonio, El Salto, 5000', 10-VI-47, CASC; JAL, Est. Biol. Chamela, 19-VII-85 & 28-VII-89, EBCC; MEX, Tejupilco, 3960', VII-32, BMNH; MICH, San José Purua, 8-9-VII-85, CLBC; SIN, Hwy. 40 at El Batel, 1700 m, 6-VIII-90, WFBC; VER, E Citlaltepétl, 7000', 21-VII-64, CASC.

***Callimicra chrysicollis* Obenberger**

PANAMA, Pan., 2700', Cerro Campana, 13-V-78, RLWE.

***Callimicra hoscheki* Obenberger**

PANAMA, Canal Zone, Madden Forest, 14-V-78, RLWE.

Cyphothorax palleolatus (Chevrolat)

BELIZE, Cayo, Xunantunich, 14-VIII-77, CLBC.

Dismorpha fossulata (Chevrolat)

CHIS, 13 mi E. Comitán, 3-VIII-52, EMEC; SIN, 7 mi S Culiacán, 23-VIII-60, DSVC; SON, 9 mi S Vicam, 22-VII-71, RLWE; VER, Tinajas, 28-IV-62, UCDC. COSTA RICA, Guan., 3 km NW Sardinal, 12-VII-75; 14 km S Cañas, 1-12-VIII-90. EL SALVADOR, La Unión, Playa El Icacal, 8-VII-75. HONDURAS, Valle, 18 km W Nacaome, 9-VII-75, RLWE.

Hylaeogena affinis Obenberger

VER, Atoyac, IV, BMNH (**new record, Mexico**). This species has been known only from Panama.

Hylaeogena cincta (Waterhouse)

CHIS, 21 km N Ocozocoautla, 21-I-2005, OSUC (**new record, Mexico**). BELIZE, Cayo, mile 36 Western hwy., 10-VIII-77, RLWE.

Hylaeogena grouvellei Théry

VER, Atoyac, IV, BMNH; TAB, II, BMNH.

Hylaeogena ovalis (Waterhouse)

GUATEMALA, Los Amates, 21-I-2005, OSUC.

Hylaeogena thoracica (Waterhouse)

DGO, 2 mi N Pueblo Nuevo, 23-VII-60, TAMU; PUE, 11.5 km W Calmecca, 12-VIII-82, CLBC.

Leiopleura aeneifrons Waterhouse

YUC, "Yucatán", 1-III-46, AMNH; vic Chichén Itzá, 26-V-81, CHAH, CLBC (**new record, Mexico**).

***Leiopleura attenuata* Fisher**

CHIS, Jct. hwy. 190-195, 6-VI-69, CMNC; COL, Colima, 27-III-34, SGWC; DGO, San Antonio El Salto, 5000', 10-VI-37, CASC; JAL, UNAM Biol. Sta. "Chamela", 200', 10-VIII-82, CLBC; NAY, 12 mi N Tepic, 6-VII-82, CSCA; OAX, 4.4 mi S San Gabriel Mixtepec, Hwy. 131, 760 m, 10-VII-87, RLWE; SIN, 7 mi E San Blas, 6-VII-82, CSCA (**new record, Mexico**).

***Leiopleura balloui* Fisher**

CHIS, 5 mi E Tapachula, 4-VII-69, CHAH; SIN, 5 mi N Mazatlán, 10-V-61, CNC (**new record, Mexico**).

***Leiopleura colorata* Kerremans**

VER, Coyame, Catemaco, VI-54, FSCA (**new record, Mexico**). PANAMA, Cocle, El Valle, 10-13-VI-85, CLBC; Canal Zone, Jct. K-9 and K-6 roads, 9-VI-76, FSCA. This species was described from Peru. Maes *et al.* (1993) recorded it from "Costa Rica", specific records from that country are Heredia, La Selva Biol. Sta., 3 km S Pto. Viejo, 25-VI-91, CHAH; Turrialba, 8-IX-79, UCDC.

***Leiopleura puncticeps* Waterhouse**

CHIS, Mpio. Mapastepec, 11.5 mi N Mapastepec, 12-VIII-91, RLWE.

***Lius binderi* Obenberger**

PANAMA, Cerro Campana, 6-VI-74, RLWE.

***Lius cuneiformis* Fisher**

There are no specific records from Mexico in the literature, though Maes *et al.* (1993) listed it from the country. CHIS, Palenque, 10-IX-74, EMUS; GRO, Acapulco, 26-XII-40, CASC.

***Lius variabilis* Waterhouse**

CHIS, 1 mi S Rayón, 4200', 16-VI-63; VER, Tebanca, Lake Catemaco, 8-VI-65, TAMU. COSTA RICA, Puntarenas, San Luis, 1100 m, 27-VI-97; San José, Zurqui de Moravia, 1600 m, 23-V-94, cloud forest, RLWE. HONDURAS, Com., 12 km NW Siguatepeque, 20-VII-77; 13 km SE Taulabé, 20-VII-77, RLWE.

***Omochyseus terminalis* Waterhouse**

NAY, 8.7 mi E San Blas, 4-VII-62, DSVC; PUE, 5 mi S Izucar de Matamoros, 1-VIII-63, UCDC. The former locality is the northernmost known to us, being about 250 km NW of the closest previously known site.

***Pachyschelus albopictus* Kerremans**

COL, 11.3 mi S Colima, 27-VI-83, FSCA; GRO, Acapulco, 26-XII-40, CASC; NAY, 2 mi E San Blas, 24-VI-63, EMEC.

***Pachyschelus bifasciatus* Waterhouse**

HONDURAS, Ola, 8 mi W Catacamas, 1200', 15-VI-74, RLWE.

***Pachyschelus collaris robustus* Waterhouse**

HGO, 8 km NE Sta. Ana de Allende, 8-VIII-67, TAMU; OAX, 14 km S Tuxtepec, 100 m, 16-IX-90, MZLU; Temescal, 90 m, 24-VI-83; PUE, 2 km N Xicotepec de Juárez, 1070 m, 17-VI-83; QROO, Kohunlich Ruins, ~30 mi E Chetumal, 350', mixed Cohune palm forest, 15/16-VII-83, RLWE; SLP, 3 mi W El Naranjo, 1200', 5-VI-65, TAMU; TAMPS, Nacimiento de Río Frio, 5 mi S Gómez Farías, 400', tropical decid. forest, 5/6-VI-83, RLWE; El Cielito, nr. Encino, 28-30-VIII-85, CLBC; VER, 6 mi NW Salinas, 23-IV-53, EMEC.

***Pachyschelus communis* Waterhouse**

OAX, 13 km S Tuxtepec, 60 m, 26-VI-83, RLWE.

***Pachyschelus cupricauda* Fisher**

CHIS, Palenque, 9-VIII-69, CNC; VER, "Cordoba", MNHN (**new record, Mexico**).

***Pachyschelus obsoletopilosus* Fisher**

OAX, 35 mi S Valle Nacional, 26-VII-81, FSCA (**new record, Mexico**). PANAMA, Cerro Campana, 6-VII-74, RLWE.

***Pachyschelus purpureas azureus* Waterhouse**

VER, Est. Biol. Los Tuxtlas, El Vigía, 40 m, 17-V-86, UNAM.

***Pachyschelus purpureus bicolor* Kerremans**

VER, S. Andres Tuxtla, 25-X-57, MSUC. HONDURAS, Ola, 11 mi NE Catacamas, 1200', 15-VI-74, RLWE.

***Pachyschelus secedens* Waterhouse**

COL, Km.19, Carr. Minatitlán-Colima, 580 m, 19°18'32", 103°53'14", 6-X-99, RLWE; NAY, 12.3 mi W Compostela, 7-VII-82, CSCA; OAX, Oaxaca, 13-20-IX-47, AMNH; SIN, La Guayaneba, 32.9 mi NE Villa Unión, 1-VII-82, CSCA; SLP, 2 mi SW Tamazunchale, 1000', 27-V-74, FSCA; SON, 2.7 km S Cerro Verde, Sonsonate, 31-VII-79, CLBC; VER, 4 mi W Tlapacoyán, 2000', 17-VIII-58, CNC.

***Pachyschelus sticticus* Waterhouse**

VER, "Cordoba", MNHP.

***Pachyschelus trapezoidalis* Waterhouse**

CHIS, 7.4 km E Bochil, 13-IX-81, EAPZ; JAL, 10 mi NE Melaque, hwy 80, 7-VII-87, CLBC; VER, Fortín de las Flores-Sumidero, Planta de la Cerveceria, Ing. Daniel Rabasco Res., 2500-3000', 20-23-V-65, FSCA.

***Paragrilus aeraticollis* Waterhouse**

Although we and other workers have been aware of this relatively common species from a variety of Mexican localities, oddly it appears that it has been recorded from Mexico in the literature only by the type locality. CHIS, 13 mi NE Cintalapa, 2000', 1-VIII-74; El Chorreadero, E of Tuxtla Gutierrez, 13-VI-89, UMIC; COL, nr. Manzanillo, 8 mi SE jct. 98/200, 7-VII-87, CLBC; GRO, 7.2 km NW El Ocotito, 853 m, oak-pine-acacia woodland, 7-VII-87; JAL, Est. Biol. Chamela, 26-31-VII-94, 27-28-VII-90, on *Byttnera aculeata*, RLWE, EBCC; NAY, 4 mi E Las Varas, 16-VII-82, CSCA, and 7 km E, 5 km S Punta de Mita, 20.45N, 105.25W, 22-26-VII-90, on *Byttnera aculeata*, RLWE, WFBM; OAX, 7.6 km S San Gabriel Mixtepec, 762 m, trop. decid. forest, 10-VII-87, RLWE; SLP, Tamazunchale, 3-VII-66, EMUS; VER, 2 mi S El Naranjo, 27-VI-71, RLWE. EL SALVADOR, Quezaltepeque, 500 m, 19-VI-63, CASC. HONDURAS, Atl., Lancetilla, 6/65 m, 6-8-VIII-81, CLBC.

***Paragrilus exiguus* (Chevrolat)**

Hespenheide (2002) recorded this species from the following Mexican states, but without

more specific data: CHIS, 7 mi SE Chiapa de Corzo, 23-VI-65, TAMU; OAX, 26 mi N La Ventosa, 19-VII-63, CHAH, EMEC; VER, 4 mi W Conejos, 29-VI-71, TAMU.

Paragrillus lesueuri Waterhouse

CAMP, 6 km W Escarcega, El Tormento Res. Sta., 110 m, 12-VII-83, RLWE.

Paragrillus rugatulus Thomson

CAMP, El Tormento Res. Sta., 6 km W Escarcega, 110 m, 12-VII-83; CHIS, El Zapotál, 2 mi S. Tuxtla Gutiérrez, 11-VII-57, EMEC; COAH, Castanos, 10-VI-65, TAMU; COL, Playa Santiago, Manzanillo, 30-VIII-62, CEAM; HGO, 23 km SW Tamazunchale, Cerro Boludo, 823 m, 4-VI-87; JAL, Est. Biol. Chamela, 5-VIII-94; NL, 28 km W Linares, Santa Rosa Can., 2400', dry oak forest, 3-VI-83 and 13.7 mi SW Montemorelos, 1-VI-83; NAY, 2.5 mi N Compostela, 20-VII-63, RLWE; PUE, 1.8 mi E Tepexco, 15-VII-87, FSCA; SLP, 5 km W Xilitla, Hwy. 120, 4-V-89, UCDC; SIN, 7 mi S Culiacán, 23-VIII-60; SON, 9 mi W Alamos, 10-VIII-85, FSCA; TAMPS, Punta Piedras, 25-IX-81, MEMU; 2 km W Gómez Farías, 762 m, trop. decid forest, 25-VII-87; YUC, 13 mi E Valladolid, 7-VIII-74; ZAC, 5.7 mi S Santa Rosa, hwy. 54, 9-VII-87, CLBC. BELIZE, Bel. mile 30 Western hwy., 14-VIII-77; Cayo, 12 mi S Georgeville, 20-VIII-77. EL SALVADOR, 6 mi N La Libertad, 1300', 8-VI-74, FSCA. HONDURAS, Cortes, Confradia, 500', 24-VII-74; Com., Siguatepeque, 15-VII-77; Ola, 7 mi SE Catacamas, El Carbon, 13-VI-74, RLWE.

Paragrillus transitorius Waterhouse

GRO, 2 mi E El Ocotito, 11-VII-85, TAMU; MICH, Uruapan, 10-VIII-36, SEMC; OAX, 30.6 km S Suchixtepec, 1294 m, wet oak-pine forest, 12-VII-87; 13 km S Tuxtepec, 60 m, 26-VI-83;

YUC, Tres Linteles, Chichén-Itzá, 6-VII-48, AMNH. BELIZE, Cayo, La Vega, vic. Mtn. Equest. Trails, 23-VI-92, CLBC. EL SALVADOR, La Libertad, 20 mi E. La Libertad, 14-VII-72, TAMU. HONDURAS, Cortes, 31 km S Potrerillos, 8-VIII-77; Ola, 11 mi NE Catacamas, 365 m, 14-VI-74, RLWE.

Paragrillus vicinus Waterhouse

MICH, Barranca Hondo, 19 mi S Uruapan, 3000', 5-VII-70, RLWE; NL, 7 mi W El Cercado, 2800', 27-VI-70 (**new record, Mexico**).

Taphrocerus chevrolati Obenberger

CHIH, Cañon de La Noria, 7 mi W Parrita, 10-VIII-50, AMNH; DF, Topilejo, 2-VII-52,

AMNH; DGO, 5 mi E Durango, 3-VIII-52, EMEC; GTO, 1 mi N Saucedo, 7000', 29-VI-71, RLWE; MEX, 5 mi NW Ixtlahuaca, 8400', 15-VIII-74, FSCA; NAY, San Cayetano, 970 m, 11-VII-79, CLBC; ZAC, Nochistlán, 6300', 23-VIII-79, UCDC.

***Taphrocerus communis* Waterhouse**

CHIS, 14 mi SW Las Cruces jct., 15-IX-74, EMUS; Mpio. Cintalapa, 5 mi N Nvo. Tenochtitlán, 900 m, 31-VII-91; Mpio. Mapastepec, 11.5 mi N Mapastepec, 12-VIII-91; JAL, 12 km (air) SSW Autlán, Microo. Los Mazos, Sa. Manantlán, 19°42'N, 104°24'W, 1690 m, 19-X-96, mixed hardwood forest, on bamboo; same data except 19°41'18.5", 104°23'43.7", 1700m, 29-IX-2002, sweeping vegetation along road, RLWE; SIN, 36 mi E Villa Unión, 29-VII-64, CNC.

***Taphrocerus depilis* Kerremans**

PANAMA, Canal Zone, Pipeline Road, 12-V-78, RLWE.

***Taphrocerus dietzi* Fisher**

CHIS, Palenque, 9-VIII-69, CNC; TAB, Teapa, II, BMNH; VER, La Buena Ventura, IX, AMNH.

***Taphrocerus difficilis* Obenberger**

COL, Km.19, Carr. Minatitlán-Colima, 580 m, 19°18'32", 103°53'14", 6-X-99, on shrubby grass, RLWE.

***Taphrocerus exiguus* Obenberger**

TAB, Teapa, 23-VI-63, EMEC; VER, 17 mi N Acayucan, 11-VI-65, TAMU. HONDURAS, Atl., Lancetillo, 7-VIII-77, RLWE.

***Taphrocerus finitimus* Obenberger**

CHIS, Revolución, 9 mi SE Buena Vista, 23-III-53, EMEC; GRO, Acapulco, MNHN; OAX, 49 mi N M. Romero, 22-VI-58, TAMU; SLP, Huichihuayan, 25-IX-38, SEMC. BELIZE, Cayo, 22 mi SE Belmopan, 18-VIII-77. HONDURAS, Cortes, 4 km S Potrerillos, 8-VIII-77; Olan, 5 mi SE Catacamas, 13-VI-74, RLWE.

***Taphrocerus halfferi* Cobos**

TAMPS, San Fernando, 13-VI-85, RLWE.

***Taphrocerus kerremansi* Dugès**

JAL, Puerto Vallarta, 11-VII-76, CIAN; NAY, Tepic, 5-VII-56, MSUC; PUE, Tezuitlán, 1650 m, 18-VIII-74, NMPC; SLP, Huichihuayan, 25-IX-38, SEMC; TAB, Frontera, 14-VI-62, UCDC. BELIZE, S.C., Stan Creek Town, 17-VIII-77, RLWE.

***Taphrocerus mexicanus* Waterhouse**

SLP, 10 mi E Xilitla, 1000', 25-VII-54, CNC. HONDURAS, Atl., Lancetillo, 7-VIII-77, RLWE.

***Taphrocerus orizabae* Obenberger**

MEX, Valle de Bravo, 7-V-62, UCDC; OAX, Oaxaca, 5000', 19-VII-37, CASC; PUE, Puebla, V, CASC; VER, 30 mi S Acayucan, 21-IV-62, UCDC.

***Taphrocerus psilopteroides* Waterhouse**

GRO, Acapulco, 24-VIII-36, OSUC; NAY, 2 mi N Compostela, 11-IX-86, FSCA; NL, Bahía Escondida, 2 mi E Santiago, 11-VIII-93, DSVC; QROO, 32 km N Felipe Carillo Puerto, 30 m, 17-VII-83; SLP, 20 km SE Tamazunchale, 12-VI-83, RLWE; TAB, 12 mi E Cardenas, 75', 20-VIII-67, TAMU.

***Taphrocerus purpureipennis* Waterhouse**

CHIS, 10 mi SE Tuxtla Gutiérrez, 23-VII-63, EMEC; OAX, Palomares, 5-21-IX-61, MSUC; SLP, Huichihuayan, 25-IX-38, SEMC; TAB, 4 mi N Teapa, 14-VI-65, TAMU. BELIZE, Bel., Hattieville, 13-VIII-77; S.C., 10 mi W Stann Creek Town, 18-VIII-77, RLWE.

***Taphrocerus tenellus* Gory**

TAB, hwy. 180, 10 mi E Río Tonola, 12-VI-65, TAMU.

***Trypantius infrequens* Waterhouse**

CHIS, 15 mi S Tuxtla Gutiérrez, 12-VIII-63, UCDC; JAL, Plan de Barrancas, 8-VII-63, CHAH, EMEC.

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