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## Guatemalan *Plusiotis* and *Chrysina* (Coleoptera: Scarabaeidae: Rutelinae): new records

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**Abstract:** First country records for 5 species of Rutelinae are given for Guatemala, as well as new geographical and altitudinal distributions for *Plusiotis prototetica* Morón & Howden and *Plusiotis quiche* Morón. *Plusiotis auropunctata* Ohaus and *Chrysina triumphalis* Morón are cited from western Guatemala. *Plusiotis luteomarginata* Ohaus, *Plusiotis strasseni* Ohaus and *Chrysina karschi* Nonfried are cited from eastern Guatemala, near the Honduran border.

**Resúmen:** Se presentan las primeras citas de 5 especies de Rutelinos para Guatemala, así como nuevas distribuciones geográficas y de altitud para *Plusiotis prototetica* Morón & Howden y *Plusiotis quiche* Morón. *Plusiotis auropunctata* Ohaus y *Chrysina triumphalis* Morón son citadas para el occidente. *Plusiotis luteomarginata* Ohaus, *Plusiotis strasseni* Ohaus y *Chrysina karschi* Nonfried son citados para el oriente de Guatemala, cerca de la frontera con Honduras.

### Introduction

The genus *Plusiotis* Burmeister at present consists of 76 described species (Morón 1990, Warner *et al.* 1991, Ratcliffe and Jameson 1992), which are distributed from the southern United States to Ecuador (Morón, 1990). Six were known to be in Guatemala (Morón, 1990). The following new country records bring the number of known species for Guatemala to 9. The genus *Chrysina* Kirby at present consists of 7 described species, 6 of which occur in Mexico and 1 in Honduras (Morón, 1990). Blackwelder cites *C. modesta* Sturm from Guatemala; this species occurs in Mexico and Michoacan, Mexico (Morón, 1990), I doubt that it occurs in Guatemala. Two species of *Chrysina* are here reported for Guatemala.

### *Plusiotis auropunctata* Ohaus

This species is currently known from 1 specimen collected in Chiapas, and 1 female from Guatemala (Morón, 1990). Nevertheless, the Guatemalan specimen, as well as others collected by L. C. Dow and S. A. Adams in Belize and in Guatemala by me, are actually a new species (Warner & Monzón, 1995). Based on collecting I have done, Guatemalan *Plusiotis auropunctata* are found at mid-elevations on the south facing slopes of Volcán Tajumulco. **New Country Record:** GUATEMALA: San Marcos Dept., La Fraternidad, January 1994, J.

Monzón (3 males); same data but February, 1994 (2 males).

**Remarks.** Collected in Subtropical Low Montane Wet Forest *sensu* Holdridge (De La Cruz, 1982).

### *Plusiotis strasseni* Ohaus

This species is currently known from 1 specimen, collected in Honduras (Morón, 1990).

**New Country Records:** GUATEMALA: Zacapa Dept., La Unión, 28 VI 1991. 1,200m, UV and Hg vapor light, J. Monzón (4 males and 2 females); same data but 30 VI 1992, 1300m (3 males and 3 females); same data but 26 VI 1993 (4 males and 2 females).

**Remarks.** Collected in Subtropical Moist Forest (De La Cruz, 1982).

### *Plusiotis luteomarginata* Ohaus

This species is known from Nicaragua, Costa Rica and Panama (Morón, 1990). The following are **New Country Records**; they also broaden the information of altitudinal distribution known previously to be 'Near 800m of altitude' (Morón, 1990). GUATEMALA: Izabal Dept., Morales, Sierra de Caral, 10 VII 1993, 450 m, UV and Hg vapor light, J. Monzón (2 females); same data but July 11, 1993 (1 male); same data but July 12, 1993 (2 females); same data but July, 500 m (2 males).

**Remarks.** Collected in Warm Subtropical Wet Forest (De La Cruz, 1982).

***Plusiotis prototelica* Morón & Howden**

This species was previously known only from the Guatemalan department of Baja Verapaz, at altitudes from 1,475-1,700 m (Morón & Howden, 1992). The geographical distribution of *Plusiotis prototelica* Morón & Howden is extended to the central Sierra Madre, and the known altitudinal distribution is extended to 2,200 m.

GUATEMALA: Sacatepequez Dept., Cerro Alux, June 1993, 2,200 m, UV and Hg vapor light, J. Monzón (4 males); same data but May 22, 1992 (3 females).

GUATEMALA: Guatemala Dept., Santa Catarina Pinula, Puerta Parada, July 1992, 1,800 m, UV and Hg vapor light, 1. Monzón (1 female).

**Remarks.** Collected in Subtropical Moist Forest (De La Cruz, 1982).

***Plusiotis quiche* Morón**

This species was previously known only from the type, collected in GUATEMALA, Quetzaltenango, Santa Maria de Jesus, 1550m (Morón, 1990). The geographical distribution of *P. quiche* is extended to the Sierra de las Minas, and the known altitudinal distribution is extended to 2,200m.

GUATEMALA: Zacapa, San Lorenzo, 9 VI 1993. 2,200m, UV and Hg vapor light, J. Monzón (3 males and 2 females).

**Remarks.** Subtropical Montane Rain Forest (De La Cruz, 1982).

***Chrysina triumphalis* Morón**

This is currently known only from the types (1 male, 1 female), from Mexico, Chiapas, Angel Albino Corzo, Reserva El Triunfo (Morón, 1990). Collecting trips in 1992 and 1993 revealed new localities for *C. triumphalis*.

**New Country Records:** GUATEMALA: Huehuetenango Dept., Huehuetenango, Zaculeu, May 1992. 1,900 m, UV and Hg vapor light, J. Monzón (9 males and 3 females); same data but May 16, 1993 (8 males and 6 females). GUATEMALA: Huehuetenango Dept., San Pedro Necta, May 1992. 2,000 m, UV and Hg vapor light, J. Monzón (24 males and 18 females); same data but May 15, 1993 (16 males and 14 females).

**Remarks.** Collected in Subtropical Low Montane Moist Forest (De La Cruz, 1982). One of the females collected in San Pedro Necta has elytra with blue marks, and deep blue sternites.

***Chrysina karschi* Nonfried**

This species is currently known only by the type, collected at "San Pedro Sula, Honduras" (Morón 1990).

**New Country Records:** GUATEMALA: Zacapa Dept., La Unión, 22 VIII 1992, 1,300m, UV and Hg vapor light, 1. Monzón (9 males and 12 females); same data but V 1992, 1,700m (12 males and 13 females); same data but 14 VIII 1993, 1,400m (6 males and 4 females). GUATEMALA: Baja Verapaz Dept., Purulhá, 5 km norte, 4 VI 1993, UV and Hg vapor light, Monzón (2 males and 1 female); same data but 6 VI 1993 (3 males and 3 females).

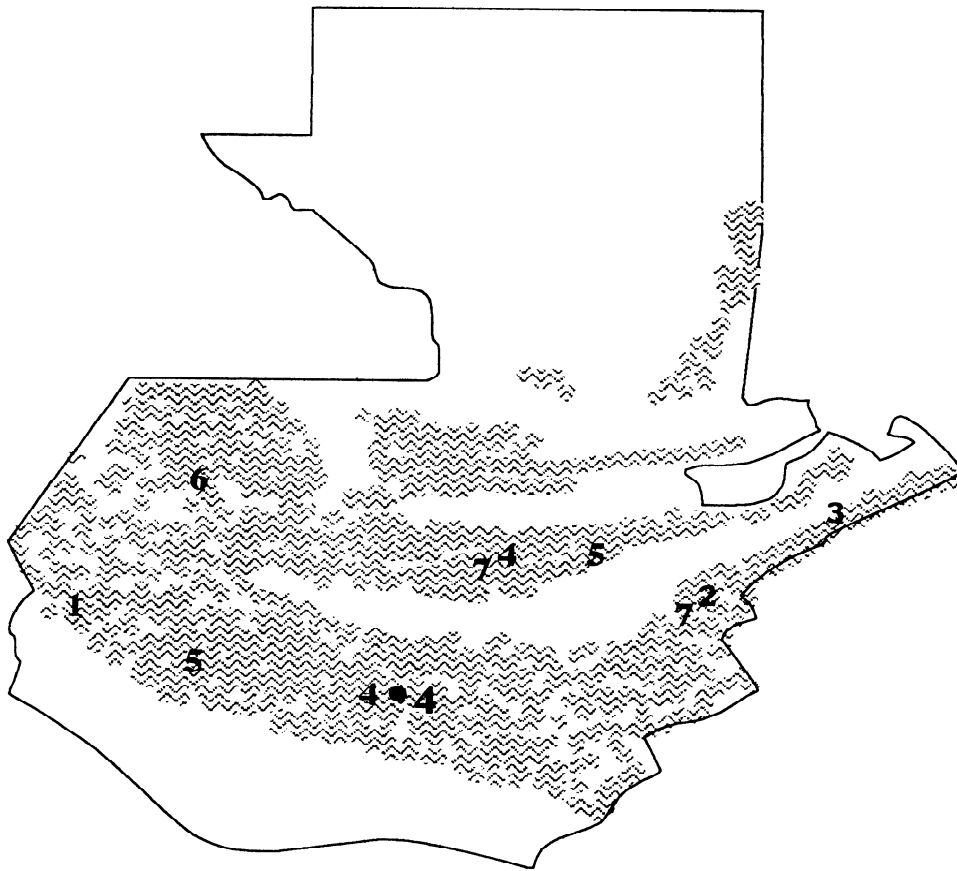
**Remarks.** Collected in Subtropical Moist Forest (De La Cruz, 1982).

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**Fig. 1:** Distribution: (1) *Plusiotis auropunctata*; (2) *Plusiotis strasseni*; (3) *Plusiotis luteomarginata*; (4) *Plusiotis prototetica*; (5) *Plusiotis quiche*; (6) *Chrysina triumphalis* and (7) *Chrysina karschi*; (·) Guatemala City.

