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Enoclerus hefferni, a new species of checkered beetle
(Coleoptera: Cleridae: Clerinae) from Honduras,
with additions to the Honduran *Enoclerus* Gahan fauna

Jacques Rifkind

California State Collection of Arthropods
3294 Meadowview Road
Sacramento, CA 95832, U.S.A.

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Enoclerus hefferni, a new species of checkered beetle
(Coleoptera: Cleridae: Clerinae) from Honduras,
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Jacques Rifkind

California State Collection of Arthropods
3294 Meadowview Road
Sacramento, CA 95832, U.S.A.
clerid@aol.com

Abstract. *Enoclerus hefferni* Rifkind, **new species** (Coleoptera: Cleridae: Clerinae), is described from Honduras. This beetle represents the second known Honduran endemic *Enoclerus* Gahan species. **New country records** for 12 species of *Enoclerus* are presented for Honduras.

Key words. Clerid fauna, taxonomy, endemism.

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Introduction

The *Enoclerus* Gahan fauna of Honduras is poorly known, and heretofore only seven species (*E. gibbus* Ekis, 1976, *E. hoegei* (Gorham, 1882), *E. irregularis* Barr, 1978, *E. nigromaculatus* (Chevrolat, 1843), *E. pilatei* (Chevrolat, 1874), *E. salvini* (Gorham, 1876), and *E. zebra* (Chevrolat, 1843)) have been recorded for that country. Most of these species have broader distributions north into Guatemala and southern Mexico, or south into Nicaragua and Costa Rica (Rifkind 1997). Heretofore, *Enoclerus irregularis* Barr has been the only known Honduran endemic member of the genus, although its distribution in the Copán region strongly suggests it will eventually be found in adjacent southeastern Guatemala. This paper describes and illustrates *Enoclerus hefferni*, **new species**, a second endemic species of *Enoclerus* from Honduras. In addition, new country records are presented for 12 species of *Enoclerus*.

Materials and Methods

Depositories. The holotype is deposited in the Texas A&M University Insect Collection, College Station, Texas, U.S.A. (TAMU). New distributional records are based on specimens in my personal collection, and others sent to me by various institutions and individuals for identification.

CASC California Academy of Sciences Collection, San Francisco, California, U.S.A.

CIUM Colección de Insectos de la Universidad Autónoma del Estado de Morelos, México

CJSC James S. Cope Collection, Ennis, Montana, U.S.A.

CMNC Canadian Museum of Nature, Ottawa, Ontario, Canada

CNIN Colección Nacional de Insectos, Instituto de Biología, UNAM, México

CSCA California State Collection of Arthropods, Sacramento, California, U.S.A.

DJHC Daniel J. Heffer Collection, Houston, Texas, U.S.A.

EGRC Edward G. Riley Collection, College Station, Texas, U.S.A.

EMEC University of California, Essig Museum of Entomology, Berkeley, California, U.S.A.

FMNH Field Museum of Natural History, Chicago, Illinois, U.S.A.

JEWC James E. Wappes Collection, San Antonio, Texas, U.S.A.

UCRC University of California, Riverside, California, U.S.A.



Figures 1–2. *Enoclerus hefferni* new species, holotype. 1) Habitus. 2) Lateral aspect.

Images. Macro photographs were taken with an Olympus TG-5 camera fitted with an Olympus LED Light Guide (LG-1) attachment. Images were captured and processed using the camera's onboard macro photo stacking software. Measurements were established using the ocular grid in a Zeiss stereomicroscope and a millimeter scale.

Results

Enoclerus hefferni Rifkind, new species

Fig. 1–2

Specimen examined. Holotype female: Honduras, F. Morazán, vicinity Res. Biol. Uyuca, VI-8/9-2018, 1535 m, ~14.039° N, 87.073° W, D. Heffern, E. van den Berghe, colls. (TAMU).

Description. Length: 6.0 mm. **Color:** black. Pronotum with dorsal anterior $\frac{1}{4}$ and sides rather broadly reddish; elytra with an uninterrupted reddish line extending along lateral margins from umbone to umbone, merging at midelytra into a narrow, feebly arcuate transverse fascia (Fig. 1–2). **Head:** surface finely, densely punctulate, moderately densely covered with short and medium length suberect silvery setae, and a few long, more robust, black setae; antennae medium length; club distinct, composed of terminal 3 antennomeres. **Pronotum:** broader than long, subflattened on disk above; anterior depression rather shallow; surface shining, densely, shallowly, granulate punctate, moderately densely but inconspicuously vested with short, suberect, silvery setae, intermixed with longer, more robust, erect, black setae, and posteriorly with long, erect, silvery setae. **Elytra:** less than 2× as long as broad, humeri prominent, umbones distinct; subbasal tumescences shallow, indistinct; sides subparallel, arcuately convergent posteriorly to conjointly rounded apices; dorsum subflattened; integument densely, shallowly granulate, rather sparsely but uniformly set with fine punctures; vestiture rather dense, composed as follows: anterior $\frac{1}{2}$ with a broad scutiform patch comprised of short, fine, adpressed, silvery setae, intermixed with fewer longer, more robust, suberect, black setae; a narrow zone on either side of midelytral fascia composed of short, reclinate, black setae; elytral posterior $\frac{1}{2}$ uniformly set with short, fine, adpressed, silvery setae, intermixed with fewer longer, more robust, suberect, black setae. **Mesosternum:** posterior process shallow. **Metasternum:** shallowly, finely roughened; sides clothed with medium length, fine, silvery setae. **Abdomen:** ventrites shining, shallowly dimpled, sparsely clothed with fine, silvery setae; ventrite 5 with hind margin broad, broadly, feebly emarginate; ventrite 6 small, hind margin arcuate; tergite 6 with hind margin conjointly rounded with ventrite 6.

Variation. Only the holotype is known.

Etymology. The specific epithet is patronymic, honoring Daniel Heffern, collector of the holotype.

Distribution. The new species is known only from the holotype locality in Francisco Morazán Province, Honduras. It was collected in June.

Natural history. According to Dan Heffern and Eric van den Berghe (personal communication), co-collectors of the holotype, the specimen was captured with an aerial tropics net by sweeping yellow flowers of a leguminaceous tree (Fabaceae).

Diagnosis. *Enoclerus hefferni* can be distinguished from congeners by its unique pronotal and elytral color pattern, and details of its elytral vestiture. It resembles no other described species of Middle American *Enoclerus*, and its affinities are not apparent.

New country records for *Enoclerus* in Honduras

Enoclerus ablusus Barr, 1978. 6 specimens: Honduras, vic. Lago de Yojoa, 10 km NW Pito Solo, 2000', pine–oak forest, beating dead pine, May 26, 1993, J. Rifkind, P. Gum, colls.; 1 specimen: Honduras, Lempira Dept., Belen, October 6, 1993, F. W. Skillman, coll.

Enoclerus anceps (Gorham, 1882). 1 specimen: Honduras, Cortes, Parque Nacional Cusuco, 15°29'N, 88°13'W, 30 March 1995, Malaise trap, R. Cave, coll.; 1 specimen: Honduras, Cortes, Parque Nacional Cusuco, 25 km N Confradia, 1550 m, cloudforest, 15-IX-7-X-1994, S. & J. Peck.

Enoclerus beatus (Gorham, 1882). 3 specimens: Honduras, Francisco Morazan, 1 km W Hatilla, May 29, 1995, R. Turnbow, coll.; 1 specimen: Honduras, Olancho, Parque Nacional La Muralla, June 1, 1995, R. Turnbow, coll.

Enoclerus bicarinatus (Gorham, 1882). 1 specimen: Honduras, Olancho, Parque Nacional La Muralla, May 26, 1995, R. Turnbow.

Enoclerus bispinis Wolcott, 1927. 1 specimen: Honduras, Cortes, Parque Nacional Cusuco, 15°29'N, 88°13'W, 27 April, 1995, Malaise trap, R. Cave, coll.

Enoclerus fugitivus Wolcott, 1927. 2 specimens: Honduras, El Paraiso Dept, El Portillo (Apaquis Mts.), 7 km S Danli, October 12, 1993, F. W. Skillman, Jr., coll.

Enoclerus lehermani Ekis, 1976. 1 specimen: Honduras, F. Morazán, Zamorano Univ. area, VI-1/6-2018, 750–810 m, 14.0°N, 87.0°W, E. van den Berghe, J. Vlasak, B. Raber & D. Heffern, colls.

Enoclerus mexicanus (Castelnau, 1836). 1 specimen: Honduras, Olancho, Juticalpa, Candeleros, May 21, 1988, R. Cordero, coll., *Psidium guaiava* vegetivo, follaje defoliado; 3 specimens: Honduras, Dept. Francisco Morazan, 25.5 km SSW Telanga, June 3, 1993, M. C. Thomas, coll.; 2 specimens: Honduras, Dept. El Paraiso, 31.5 km W Danlí, May 28, 1995, R. Turnbow, coll.; 1 specimen: Honduras, Francisco Morazan Dept. 5 km W Zamorano, June 2, 1993, picking burn at night, F. W. Skillman, Jr., coll.

Enoclerus opifex (Gorham, 1882). 4 specimens: Honduras, Francisco Morazan, 5 km E. Escuela Agricola Panamericana, June 2, 1993, M. C. Thomas, coll.; 1 specimen: Honduras, El Paraiso, vic. Yuscaran, May 18, 1995, R. Turnbow, coll.

Enoclerus spehegeus (Fabricius, 1787). 1 specimen: Honduras, Zamorano, 32 km E. Tegucigalpa, M. Intriasso, coll.

Enoclerus venator (Chevrolat, 1843). 1 specimen: Honduras, 30 km E. Tegucigalpa, Escuela Agricola Panamericana, Horticultura, May 10, 1984, Galvis, coll.; 1 specimen: Honduras, Prov. Francisco Morazán, nr. La Ventana, June 30, 1995, F. T. Hovore, coll.; 1 specimen: Honduras, Olancho, Parque Nacional La Muralla, 31-5-1995, R. Turnbow, coll.

Enoclerus villicus (Gorham, 1886). 1 specimen: Honduras, Yoro, Parque Nacional Pico Pijol, V-13-2002, J. & M. Huether, colls.

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Literature Cited

Rifkind J. 1997. New distributional records for Mexican *Enoclerus* Gahan (Coleoptera: Cleridae). *The Coleopterists Bulletin* 51: 319–327.

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