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John D. Mccarty
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**NEW SPECIES OF *OREODERA* AUDINET-SERVILLE FROM PANAMA
AND COSTA RICA (COLEOPTERA: CERAMBYCIDAE, LAMIINAE,
ACANTHODERINI)**

JOHN D. McCARTY

3131 San Pablo Dam Road
El Sobrante, CA 94803

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ABSTRACT. A new species of *Oreodera* Audinet-Serville, *Oreodera aliciae* is described from Panama and Costa Rica. A colored illustration is presented

KEY WORDS: Insecta, Costa Rica, Panama, Coleoptera, Cerambycidae, *Oreodera*, Acanthoderini, new species.

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RESUMEN. Una especie nueva de *Oreodera* Audinet-Serville, *Oreodera aliciae* es descrita de Panamá y Costa Rica. Se incluyen ilustraciones a color.

PALABRAS CLAVE: Insecta, Costa Rica, Panamá, Coleoptera, Cerambycidae, *Oreodera*, Acanthoderini, nueva especie.

Since the publication of a review of Mexican *Oreodera* Audinet-Serville (McCarty, 2001), a new species from Costa Rica and Panama was recognized. This species is described below.

***Oreodera aliciae* sp. nov.**

(Fig. 1)

Oreodera howdeni Monné & Giesbert, 1994 (not Monné & Fragoso, 1988).

Male. Form small to moderate-sized, tapering posteriorly; integument dark reddish-brown; pubescence short, appressed, dense, golden brown, intermixed with brown, grayish-white, and black. **Head** with front vaguely convex, micropunctate, with a few scattered, large, coarse punctures at sides, pubescence moderately dense, short, appre-

ssed, golden brown, relatively uniformly thick below eyes, thinner toward middle, integument partially exposed, eye margins encircled with longer pale, semi-erect setae; middle with a deep, glabrous, longitudinal suture extending back from frontal clypeal suture to occiput; vertex feebly convex between upper eye lobes; occiput with a bare, dark brown spot at each side of middle; eyes large, deeply emarginate, upper lobes separated by about width of second antennal segment, upper and lower lobes connected by about three rows of facets; genae subequal in length to lower eye lobes. **Antennae** extending five segments beyond elytral apices, third segment almost twice as long as scape, fourth subequal to third, fifth shorter than fourth; third and fourth segments white biannulate, basal por-

tions of segments five through eleven white annulate, segments one through five sparsely fringed on inner margins with long, pale, erect hairs which diminish apically; pubescence short, moderately dense, pale and dark brown. **Pronotum** 1.5 times broader than long; disk with two, prominent, sub-glabrous tubercles anterior to middle, one on each side behind, median with a smaller, longitudinal callus, basal margin with a small, round, flattened, black callus present behind central tubercles, basal an apical margins feebly impressed; punctures coarse, sparse, irregularly spaced in a single row in apical depression, basal depression with several rows, several punctures scattered between discal calluses, lateral margins broadly, obtusely tuberculate; pubescence dense, appressed, pale brown between calluses, darker brown along apical margin; discal and marginal tubercles tipped with small, glabrous, dark brown macula, at posterior margin a narrow black macula extends backward from callus to base aligning with another macula at elytral base; prosternum with intercoxal process about one-half as broad as procoxa, apex broader, slightly concave at middle, arcuate, surface uniformly covered with fine, short, appressed, whitish pubescence; mesosternum short, broad, sparsely covered with fine, appressed, whitish pubescence, intercoxal process one-half as wide as mesacoxa, apex emarginate, subglabrous at base; metasternum about 1 ½ times longer than mesosternum, with a deep, longitudinal sulcus at middle, surface micropunctate, sides with a few, coarse punctures; pubescence moderately dense appressed, whitish, longer at sides, interrupted by punctures. **Elytra** 1.7 times longer than humeral width, basal ¾ with margins gradually tapering, apical ¼ abruptly, apices broadly sinuate truncate, outer angles dentate, inner angles narrowly rounded; humeri prominent, with a small, protruding tubercle at margins; disk of each elytron with central basal portion slightly elevated, feebly gibbose, each gibbosity with one or two

black tufts, a shallow, oblique depression present before middle extending from suture slanting forward toward sides; pubescence long, thick, appressed, dense, golden brown in a narrow, transverse band at base, intermingled with a few, longer, erect, golden-brown hairs clustered together to form tufts, apical one-third with a dark brown, narrow, transverse band stretching across each elytron, intermixed with a small patches of pale, appressed hairs, below and behind humeri integument sparsely covered with fine, pale, pubescence exposing dark reddish-brown cuticle, middle with a broadly rounded, elongate, oblique, postmedian, white macula, a small, round, white macula present behind near margin, apical three-fourths variegated with dark brown, golden-brown and whitish, several fulvous tufts present on each elytron as follows: a short tuft adjacent to basal margin at middle of postmedian macula, a short, linear tufts between suture and postmedian white macula, at posterior margin of postmedian white macula, another round tuft near middle, apical four-fifths with a small, round tuft, followed by another close to suture; punctures large, coarse, moderately dense, randomly scattered over elytra, diminishing apically. **Scutellum** broadly rounded at apex, impunctate, densely covered with pale and dark brown pubescence. **Legs** robust; femora abruptly clavate beyond middle, upper surface clothed with grayish white pubescence with subglabrous areas, ventral parts of legs more uniformly grayish pubescent, tibiae dark brown biannulate; dorsal surface of basal tarsal segments covered with dense, appressed, grayish hairs; apical segments dark brown. **Abdomen** with pubescence short, moderately-dense, appressed, fine, golden brown, evenly distributed on all sternites; punctures medium-sized, randomly scattered over surface, partially hidden by pubescence; fifth sternite longer than fourth, slightly emarginate at apex, apical margins lined with long, pale hairs. Length, 11-14 mm.

Female. Form similar to male, more robust, bo-



FIGURE 1. *Oreodera aliciae*, sp. nov., Male Holotype.



FIGURE 2. *Oreodera aliciae*, sp. nov., Female Allotype.

dy less tapering. Antennae shorter, extending 3 segments beyond elytral apices. Abdomen with fifth sternite about as long as third and fourth combined, linearly impressed in middle, apex vaguely emarginate. Length, 14-16 mm (Fig. 2).

Type Material. Holotype male, PANAMA. Chiriqui: Hartman's Finca, 18 May 1996 (Robert H. Turnbow). Deposited in EMEC. Paratypes include 2 males same data. Allotype female, COSTA RICA. Monteverde, Puntarenas: 1500 m, 23 May 1972 (Carlos Guindon); 1 female, same locality, 2 January 1986 (W. Haber); 1 female, same locality, 12-16 June 1978 (†E. Giesbert); 1 male, 1 female, Est. La Casona, Res. Biol., Monteverde, 1520 m, Oct. 1990 (E. Bello); Nov. 1990 (M. Ramírez); 1 male, 1 female, San Luis, 1040 m, R. B. Monteverde, July 1992 (Z. Fuentes); Abr. 1999 (Z. Fuentes); 1 male, Buen Amigo, San Luis, Monteverde, Sept. 1994 (Z. Fuentes); Guanacaste Prov.: 1 female, Liberia,

Etac. Margo, 1000 m, Feb. 1988 (Janzen); 1 male, R. San Lorenzo, 1050m, R. F. Cord, Guanacaste, Tenoria, May 1991 (C. Alvarado); 1 male, Est. Cacao, 1000-1400 m, Lado So Vol. Cacao, P. N. G.; Abr 1991 (C. Chaves). Allotype deposited in CASC, paratypes in INBIO, RHTC, EMEC, FTHC, JDMC.

Diagnosis. *Oreodera aliciae* superficially resembles *O. wappessi* McCarty by the mid-elytral contrasting white maculae, but it can readily be separated by the following combination of characters: each basal gibbosity with two black tufts, anterior margin of white macula not M-shaped, with a dark brown line and with two black tufts at the elytral four-fifths. *O. aliciae* differs from *O. lezamai* Hovore by having two black tufts at the basal 1/3 and a longitudinal black macula behind middle. Also, the white oblique maculae are not distinctly delimited anteriorly. *O. aliciae* differs from *O. costaricensis* Thomson by the prominent

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white oblique maculae and black pubescent tufts which form a slightly oblique transverse band at basal 1/3 and another vague black band behind the white maculae.

Etymology. This species is dedicated to the memory of Alicia Rodríguez Palafox, friend and colleague.

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LITERATURE CITED

- HOVORE, F. T. 1989. Records and descriptions of Costa Rican Cerambycidae, Part 1: The turrialba Valley. *Insecta Mundi*, 3(4):
- MCCARTY, J. D. 2001. A review of the Mexican species of *Oreodera* Audinet-Serville (Coleoptera: Cerambycidae). *Occasional Papers of the Consortium Coleopterorum* 4(1): 13-34.
- MONNÉ, M. A., AND S. A. FRAGOSO. 1988. Novas especies e sinonimia de *Oreodera* Audinet-Serville, 1835 (Coleoptera, Cerambycidae, Lamiinae, Acanthoderini) *Rev. Brasil. Biol., R. Janeiro*, 48(4): 811/831, 24 figs.
- MONNÉ, M. A., AND E. F. GIESBERT. 1994. *Checklist of the Cerambycidae and Disteniidae (Coleoptera) of the Western Hemisphere*. Wolfsgarden Books, Burbank, California, xiv + 409 pp.

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