

NEW EUCNEMID BEETLES FROM PUERTO RICO

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Among the material received during the past year from Puerto Rico for identification, the following four new species of Eucnemidae were found.

Dirhagus puertoricensis, new species

Body narrow, subcylindrical, attenuate posteriorly, reddish black, legs yellow, pubescence inconspicuous, ornamented with whitish pubescence as follows: Sides and base of pronotum, a broad, transverse fascia at base and a similar, more conspicuous fascia at apical third of elytra. Head convex in front, coarsely, confluent punctate. Antenna extending to middle of abdomen, joint 3 elongate, joint 4 triangular, joints 5 to 11 pectinate. Pronotum wider than long, parallel, depressed posteriorly, carinate in front of scutellum, densely ocellate-punctate; posterior angles carinate. Elytra attenuate posteriorly, depressed at base, densely punctate. Beneath coarsely, densely punctate. Length, 2.75 mm.

Type in United States National Museum, collected on coffee at the Paraiso Finca, Ponce, P. R. July 13, 1933, by R. G. Oakley (San Juan No. 4315).

Differs from *D. phyrrophopus* Chevrolat in being nearly black, and in having the antennae pectinate and the elytra ornamented with two transverse, whitish pubescent fasciae.

Dirhagus oakleyi, new species

Body narrow, subcylindrical, attenuate posteriorly, black, with posterior angles of pronotum, scutellum, basal two-thirds of sutural margins and basal halves of elytra, and sides of mesosternum and metasternum reddish brown, legs yellow, sparsely clothed on sides of pronotum with whitish pubescence, a vague, irregular, transverse fascia of whitish pubescence near middle of elytra, each elytron with a broad, transversely oblique fascia of golden yellow pubescence at apical third. Head convex in front, confluent ocellate-punctate. Antenna extending to middle of abdomen, joint 3 narrow, elongate, joint 4 triangular, joints 5 to 11 flabellate. Pronotum wider than long, parallel, carinate in front of scutellum, densely ocellate-punctate; posterior angles carinate. Elytra attenuate posteriorly, densely punctate. Beneath coarsely, densely punctate. Length, 2.6 mm.

Type in United States National Museum, collected on *Eugenia* sp. at the Rivera Finca, Aibonito, P. R., May 31, 1934, by R. G. Oakley (San Juan No. 5617).

Differs from *D. puertoricensis* Fisher in having the elytra bi-colored, with a golden yellow pubescent fascia at apical third, and the antennae flabellate.

Nematodes puertoricensis, new species

Body very narrow, subcylindrical, dark reddish brown, legs and antennae paler, pubescence uniform, yellowish white. Head convex in front, uniformly, finely, densely punctate. Antenna with joints 2, 4 and 5 subequal, joints 6 to 10 slightly longer, broader, subequal, last joint longer, acute at apex. Pronotum parallel, slightly longer than wide, vaguely biimpressed on each side, finely, confluent punctate. Elytra strongly attenuate posteriorly, indistinctly striate, finely, densely punctate. Beneath finely, densely punctate, antennal grooves indistinct, posterior coxae strongly angulated. Length, 5 mm.

Type and paratype in United States National Museum, collected on weeds at the Insular Government Finca, Matrullas Dam, near Orocovis, P. R. October 8, 1934, by R. G. Oakley (San Juan No. 5859).

Differs from *N. simulans* Chevrolat in being much smaller, and in having the intermediate antennal joints as wide as long, and the elytra not distinctly striate.

Adelothyreus insularis, new species

Body narrow, subcylindrical, black, with an elongate, brownish yellow spot covering the exterior three-fourths of each elytron, the spot not extending to base or apex, tarsi and palpi yellow, pubescence sparse, uniform, whitish. Head convex in front, confluent ocellate-punctate. Antenna extending to posterior coxae, joint 3 slightly serrate, joints 5 to 11 strongly transverse. Pronotum quadrate, parallel, feebly flattened, depressed posteriorly, with 3 elevations at base, densely ocellate-punctate; posterior angles carinate. Elytra nearly parallel, depressed at bases, rugose basally, coarsely, densely punctate posteriorly. Beneath densely, coarsely punctate, more feebly on abdomen. Length, 3—3.25 mm.

Type and paratype in United States National Museum collected by R. G. Oakley. The type was collected on *Eugenia* sp. at the Rivera Finca, Aibonito, P. R., May 31, 1934 (San Juan No. 5617), and the paratype was collected at Castaner Finca, Adjuntas, P. R., February 5, 1934 (San Juan No. 5206).

Differs from *A. dufawi* Fleutiaux in having the antennal joints strongly transverse, the elytra more parallel, pubescence whitish, with a large brownish yellow spot covering the exterior three-fourths of each elytron.