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***Neivamyrmex chamelensis*, n. sp.**
(Hymenoptera: Formicidae: Ecitoninae)
from Jalisco, Mexico

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ABSTRACT: The worker and queen of *Neivamyrmex chamelensis*, n. sp. (Hymenoptera: Formicidae: Ecitoninae) are described from ants collected from the Chamela Biological Station, Jalisco, Mexico. The species appears to be most closely related to *N. californicus* (Mayr) and *N. opacithorax* (Emery). The holotype worker is deposited in the National Museum of Natural History, Washington, D.C., U.S.A.

***Neivamyrmex chamelensis*, new species**
(Figs. 1-11)

MAJOR WORKER (HOLOTYPE): Length 4.10 mm. Reddish brown alitrunk, petiole and postpetiole, with slightly lighter head. Yellowish brown gaster and legs. Head, gaster and legs smooth, except for scattered seta-bearing punctations. Alitrunk, petiole and postpetiole finely granulated, except sides of pronotum which appear smooth to slightly shagreened, depending on the light angle (50 \times). Setae moderately abundant, semierect with variable lengths up to 0.30 mm.

Head: Frontal view (Fig. 3): quadrate; median length (exclusive of mandibles) 1.00 mm; greatest width 1.10 mm; slightly narrowed posteriorly (i.e., upward from frontal view) with slightly to moderately projecting upper corners (depending on angle of view). Frontal carinae short and not extending across the fronts of the antennal fossae. Each eye is ocellus-like with a distinct convex cornea. Antennal scape gradually thickened distally and slightly bent outward; length 0.80 mm; proximal width 0.10 mm; distal width 0.20 mm. Antennal flagellum with 11 segments, slightly and gradually thickened distally; width of segment two 0.10 mm; width of segment eleven 0.15 mm; flagellum length 1.65 mm; segments 1-10 each about as long as wide or slightly longer; segment eleven about twice as long as greatest width. Mandible with triangular upper margin which forms a slight corner with masticatory surface which lacks distinct teeth (*caution*: see Variation).

Alitrunk: Lateral view (Fig. 2): length 1.50 mm; promesonotum about twice as long as propodeum; dorsum of pronotum without a distinct anterior transverse ridge; anterodorsum of pronotum gradually rounds upward to an almost level promesonotal surface which sharply declines posteriorly to a distinctly depressed propodeum; almost level dorsum of propodeum rounds into a steeply declining, slightly concave posterior surface; propodeum and metapleuron combined about as high as long; sutures indistinct, except promesopleural. Dorsal view (Fig. 1): dorsum gradually narrowed posteriorly; dorsum of promesonotum about twice as long as greatest width; dorsum of propodeum about as long as greatest width. Length of hind leg 4.29 mm (coxa 0.40 mm; trochanter 0.10 mm; femur 1.05