Aucana platnicki Huber, 2000

Huber, B. A. 2000. New World pholcid spiders (Araneae: Pholcidae): a revision at generic level. Bull. Amer. Mus. Nat. Hist. 254: 1-348.

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Aucana platnicki, new species
Figures 17, 44, 85–86, 133, 157, 395–405

TYPES: Male holotype, 6♂ 11♀ paratypes from Choapa: Nague, 10 km N Los Vilos, km 236, Rt 5 (31°50′S, 71°31′W), Coquimbo, Chile; elev. 40 m, Nov. 13, 1993 (N. I. Platnick, K. Catley, M. Ramirez, R. T. Allen), in AMNH.

ETYMOLOGY: Named for the principal collector of the type material.

DIAGNOSIS: Distinguished from the closely related *A. ramirezi* by the straighter procursus (compare figs. 403, 407), from *A. petorca* by the stronger tip and proximal apophysis of the procursus (compare figs. 403, 411); from other congeners also by the three tiny cones frontally on the male chelicerae (fig. 400).

MALE (holotype): Total length 1.35, carapace width 0.61; leg 1: 4.06 (1.03+0.19 +1.13+1.23+0.48), tibia 2: 0.81, tibia 3: 0.68, tibia 4: 1.03; tibia 1 l/d: 17. Habitus as in fig. 395. Entire prosoma orange to light brown, only carapace slightly darker medially; no thoracic groove (fig. 397), distance PME-ALE about 35% of PME diameter. Sternum without anterior humps. Chelicerae light brown, with stridulatory ridges laterally (pick is a modified hair proximally on palpal femur), and three pairs of tiny black cones frontally (fig. 400). Palps as in figs. 398–399, coxa without retrolateral apophysis, femur proximally with retrolateral apophysis; procursus with proximal apophysis, and black, slightly bent distal tip (figs. 402–403); tarsal organ exposed (fig. 86); bulb large, with several short distal elements (figs. 398–399). Legs monochromous orange-ochre, with very faint darker rings on femora and tibiae (subdistally), each followed by lighter tips; legs without spines, without curved and vertical hairs; retrolateral trichobothrium of tibia 1 at 59%; tarsus 1 with ~ 5–6 pseudosegments. Opisthosoma ochre, covered dorsally with blackish spots; without epiandrous spigots (fig. 133), ALS with piriform gland spigots (fig. 157).

VARIATION: Tibia 1 in 9 males: 0.97–1.16 ($\bar{x}$ = 1.09). In the single male from Bío-Bío the proximal apophysis on the procursus is less well developed. For this reason, and because of the geographic distance to the type locality, the specimen is assigned tentatively to the species.

FEMALE: Total length (N = 11) 1.2–1.7 ($\bar{x}$ = 1.4); tibia 1 (N = 10) 1.00–1.10 ($\bar{x}$ = 1.05). In general very similar to male. Epigynum light brown, very simple externally (fig. 404); internally with transparent median sac (receptacle?) (fig. 405).

DISTRIBUTION: Known from Coquimbo and Valparaiso (Chile) (and maybe Bío-Bío, see above).

MATERIAL EXAMINED: CHILE: *Coquimbo*: Choapa: Nague: types above; Nague, Sept. 26, 1980 (L. E. Peña), 1♂ in AMNH; *Valparaiso*: Viña del Mar, Apr. 1979 (A. Tobar), 3♂ 1♀ in AMNH; *Bío-Bío*: Arauco: Pata de Gallina, elev. 560 m, Feb. 11, 1992 (N. I. Platnick, P. Goloboff, M. Ramirez), 1♂ in AMNH (tentatively assigned; see above).

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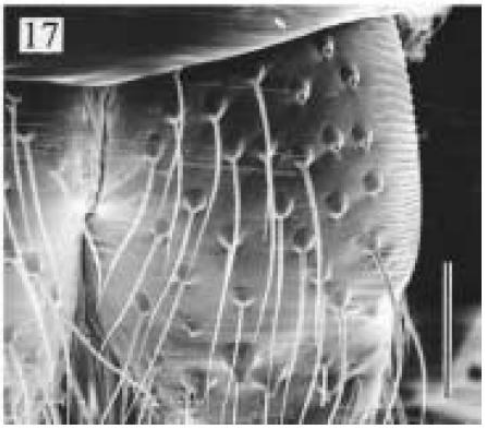

17. *Aucana platnicki*, n. gen., n. sp., cone-shaped apophyses and stridulatory ridges (cf. fig. 400). Scale lines: 50 μm (12, 17), 20 μm (13–16).

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44. *Aucana platnicki*, n. gen., n. sp., dorsal flap of procursus, prolateral.

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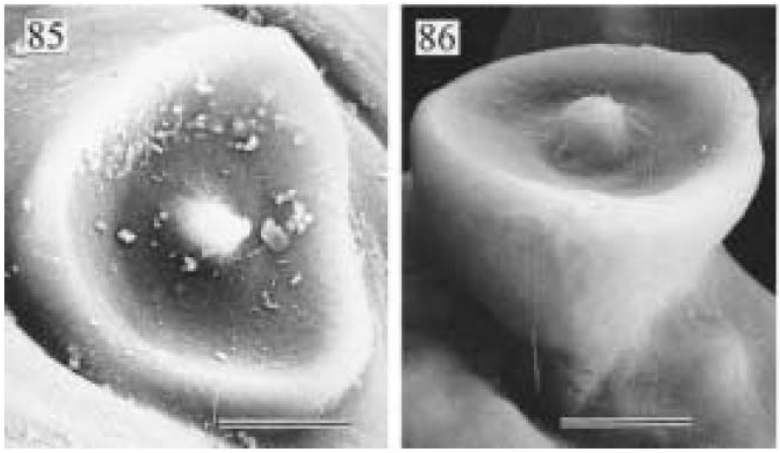

85–86. *Aucana platnicki*, n. gen., n. sp., female (85), male (86).

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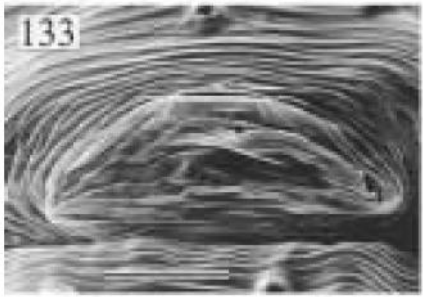

133. *Aucana platnicki*, n. gen., n. sp.

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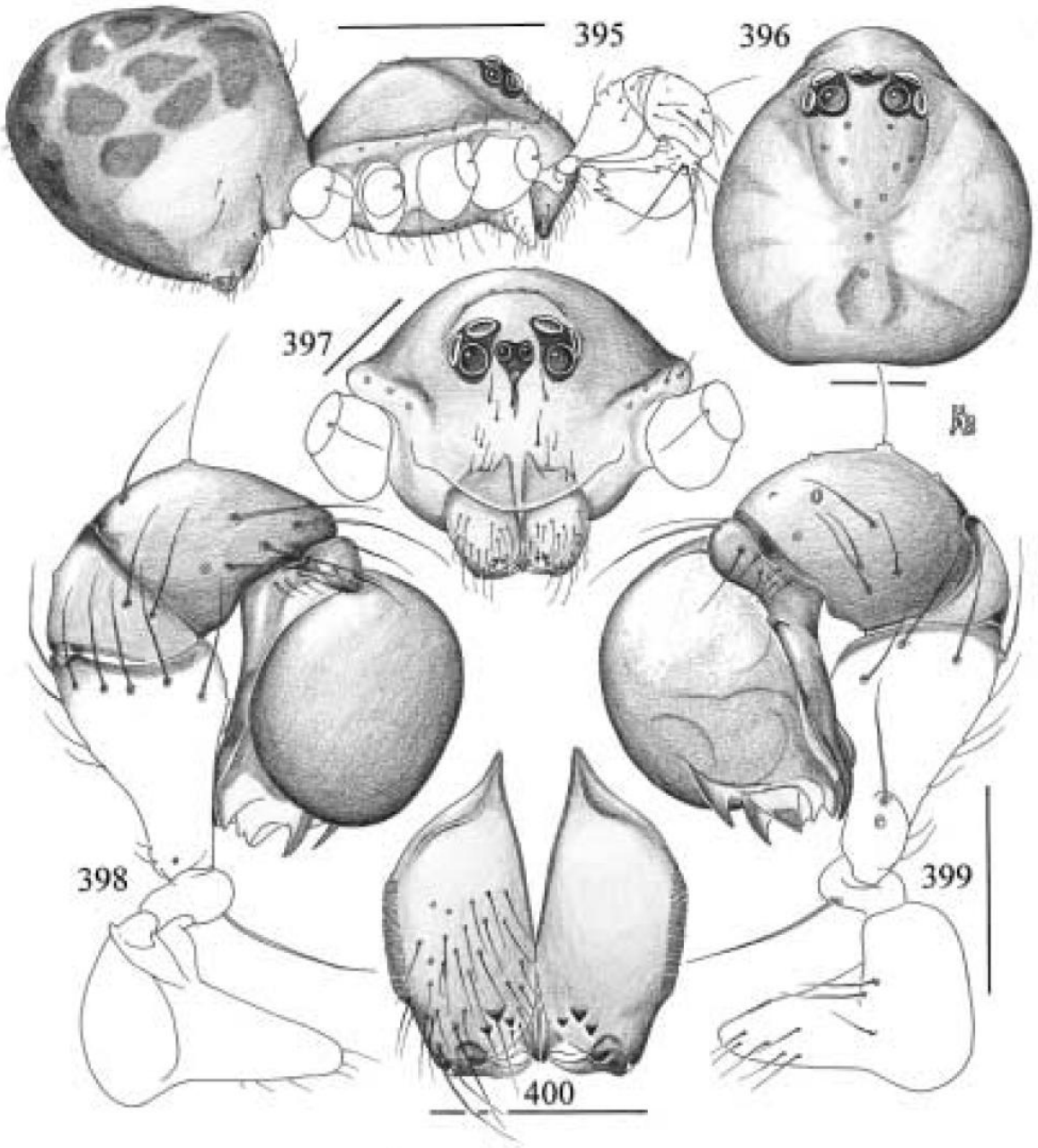
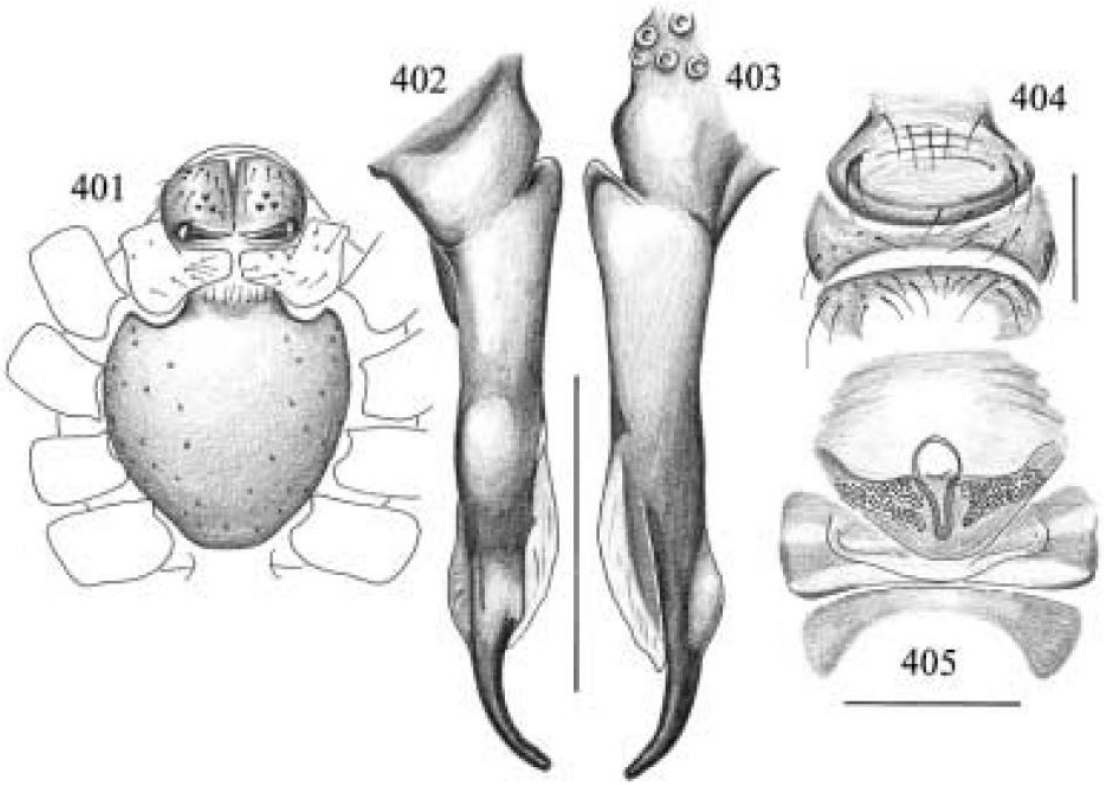
157. *Aucana platnicki*, n. gen., n. sp., female. Scale lines: 50 μm (154), 10 μm (152–153, 155–157).



Figs. 395–400. *Aucana platnicki*, n. gen., n. sp., male. **395**. Habitus, lateral view. **396–397**. Prosoma, dorsal and frontal views. **398**. Left palp, prolateral view. **399**. Left palp, retrolateral view. **400**. Chelicerae, frontal view. Scale lines: 0.5 mm (395), 0.2 mm (396–400).



Figs. 401–405. *Aucana platnicki*, n. gen., n. sp. **401**. Male prosoma, ventral view. **402**. Left procursus, prolateral view. **403**. Left procursus, retrolateral view. **404**. Epigynum, ventral view. **405**. Epigynum, dorsal view. Scale lines: 0.2 mm (404–405), 0.1 mm (402–403).