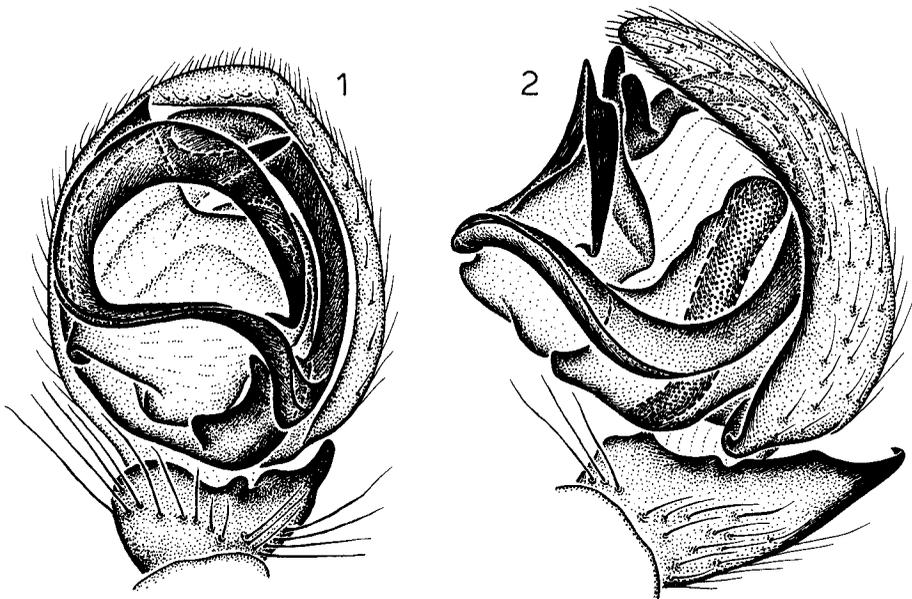


ON THE MALE OF *DOLIOMALUS*  
(ARANEAE, GNAPHOSOIDEA)

INTRODUCTION

The genus *Doliomalus* was established by Simon (1897) for the curious Chilean spider *Delena camicoides* Nicolet (1849), one of the very few flattened, laterigrade, thomisiform gnaphosoids found in the New World. Two other species have been placed in the genus, but one, the Chilean *D. laminus* (Nicolet), is a *nomen dubium*, and the other, the Central African *D. berlandi* Lessert, proved to be a crab spider rather than a gnaphosoid (Platnick 1976b). Hence *Doliomalus* is at present monotypic, and, although females of *D. camicoides* have been taken repeatedly over the past century, males have remained unknown. Thus it was with great pleasure that I recently received from Dr. Luis E. Peña of Santiago, Chile, a sample of *D. camicoides* from Valparaíso Province that included an adult male. The male palp (Figs. 1, 2) is of unexpected complexity, quite unlike those of Asian *Plator* Simon (see Platnick 1976a, figs. 7, 9) or South American *Vectius* Simon, the two other genera that, like *Doliomalus*, have been placed by most authors in the separate family Platoridae rather than in the gnaphosid subfamily Hemicloeiinae. As noted earlier (Platnick 1976a), it is unlikely that the recognition of the classical Platoridae can be supported by adequate phylogenetic arguments.

In the comments on the male that follow, only differences from the description of the female provided by Platnick (1976b) are noted. In addition to specimens in the collection of the American Museum of Natural History (AMNH), specimens were made available by Dr. H. W. Levi of the Museum of Comparative Zoology, Harvard University (MCZ) and Dr. M. Hubert of the Muséum National d'Histoire Naturelle, Paris (MNHN). The illustrations are by Dr. M. U. Shadab of the American Museum.



Figs. 1, 2.—*Doliomalus camicoides* (Nicolet), male palp; 1, ventral view; 2, retrolateral view.

*Doliomalus cimicoides* (Nicolet)

Figs. 1, 2

*Delena cimicoides* Nicolet, 1849:381, pl. 3, fig. 6 (female holotype from Chile, no specific locality, lost).

*Plator cimicoides*: Simon, 1880:236.

*Doliomalus cimicoides*: Simon, 1897:19. Platnick, 1976b:978, figs. 5-7.

**Diagnosis.**—The rounded, rather than semicircular, carapace (Platnick 1976b, fig. 5), together with a massive palpal conductor supporting an elongated and thickened embolus (Figs. 1, 2) in males and a bilobed epigynum with small, sinuous, posterior spermathecae (Platnick 1976b, figs. 6, 7) in females, will separate *D. cimicoides* from the other known flattened gnaphosoids (platorids and hemicloelines).

**Male.**—Total length, not including chelicerae, 5.15 mm. Carapace 2.14 mm long, 2.32 mm wide between coxae II and III, where widest, orange; posterior margin slightly invaginated at middle; surface coated with scattered weak setae. Anterior median eyes separated by only their diameter from anterior laterals; posterior medians separated by only twice their diameter, by only three times their diameter from posterior laterals. Chelicerae orange, labium and endites light orange. Sternum wider than long (35/34). Coxae IV separated by only about two-thirds their length. Abdomen longer than wide (87/55). Median spinnerets without elongated tips, directed posteriorly, without longitudinal rows of spigots. Femur II 3.44 mm long. Palpal tibia with long, sinuous retrolateral apophysis; embolus long, thick, twisted, heavily sclerotized at edges, originating distally, coiling proximally, supported by massive, distally pointed conductor and long terminal apophysis (Figs. 1, 2).

**Female.**—Described by Platnick (1976b).

**Distribution.**—Central Chile, from Valparaíso south to Cautín Provinces.

**Material Examined.**—CHILE: *Bio-Bío*: Caledonia, June 1975 (L. E. Peña), 1 female (AMNH); *Cautín*: Villarrica, 1 female (MNHN); *Maule*: Cayurranquil, W Cauquenes (400 m, *Nothofagus* forest), 24-27 Jan. 1981 (L. E. Peña), 1 female (AMNH); *Ñuble*: Chillán (1400 m), 3 Mar. 1968 (L. E. Peña), 1 female (MCZ), Las Trancas, Chillán, 20-25 Feb. 1980 (L. E. Peña), 1 female (AMNH), Recinto, SE Chillán (800 m), 23 Jan. 1979 (L. E. Peña), 1 female (AMNH), Tregualemu, 24 Jan. 1976 (G. Moreno), 1 female (AMNH); *O'Higgins*: Caletones, Rancagua, 1946 (L. C. Wood), 1 female (MCZ); *Santiago*: Aculeo, Quebrada del Arbol, Oct. 1959 (L. E. Peña), 1 female (MCZ), El Canelo (800-1400 m), 1980 (L. E. Peña), 3 females (AMNH), El Manzano, Aug. 1931 (I. Olfro), 1 female (AMNH), Quilicura, 25 May 1979 (L. E. Peña), 1 female (AMNH); *Talca*: Alta de Vilches, 31 Oct. 1969 (J. G. Rozen, L. E. Peña), 1 female (AMNH); *Valparaíso*: Cerro Las Vizcachas (1800-2200 m), 1-12 Dec. 1982 (L. E. Peña), 1 male, 3 females, Viña del Mar, 28 Feb. 1977 (A. Tobar), 1 female (AMNH).

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