

The North American Nematoproctus (Dipt. : Dolichopodidae).

By M. C. VAN DUZEE, Buffalo, New York.

Table of species, Males.

1. Lower orbital cilia and beard yellow. *venustus* Wheeler.
— Lower orbital cilia and beard snow white. 2
2. Middle tarsi with last two joints slightly flattened and widened; fore tarsi plain. *terminalis* Van Duzee.
— Middle tarsi plain; fore tarsi with a fringe of long black hair on one edge of apical half of first and whole of second joint. *jucundus* new species.

Nematoproctus jucundus new species. ♂: Length 4.5 mm. Face very narrow, the eyes almost touching on the middle of the face. Palpi small, yellow with a few black hairs. Front green, the silvery white pollen of the face extending over it so as to almost conceal the ground color. Lateral and inferior orbital cilia short, snow white, as are also the bristles on lower part of the head. First and second antennal joints yellow, second a little infuscated, first without hair, third brown, slightly yellow at base, the long basal arista brown with very short pubescence.

Dorsum of thorax blue, polished, with green and violet reflections, which form indistinct lines; pleuræ and scutellum more green. First abdominal segment green, second and third yellow, fourth black, apex of abdomen more greenish black; hairs on the dorsum black, on the venter of the first three segments yellow. Hypopygium concealed; it has long black filaments fringed with stiff, short, black hairs, a few at apex longer.

Fore coxæ wholly yellow with short yellow hair and black bristles at tip; middle and hind ones yellow with a black streak. Femora, tibiae and fore and middle tarsi yellow; extreme tips of middle tibiae, apical fourth of hind tibiae, last two joints of middle tarsi and whole of posterior ones, black; fore tarsi with the last joints infuscated, first joint fringed above on apical half with black hairs, which become longer toward the tip, second joint fringed with bristle-like hairs, the hairs being of nearly equal length and as long as those at tip of first joint; both joints have a row of little black hairs below, which are as long as width of joint, fourth and fifth joints have this row continued but the hairs are more spine-like and bent at tips; last two joints of middle tarsi not or scarcely widened; joints of fore tarsi as 47-20-14-9-8; of middle ones as 56-28-20-9-8; those of the posterior pair as 42-42-35-11-9. Calypters and halteres yellow, the former with white cilia.

Wings dark grayish; third vein bent backward, parallel with fourth at tip; last section of fifth vein 55-, cross-vein 30-fiftieths of a millimeter long; sixth vein sinuous, not reaching quite to the wing margin.

♀: Face of parallel width, quite wide, silvery white, lower part longer than wide, a little shorter than upper portion, silvery white. Palpi half as long as the face, oval, yellow, with a few black hairs and silvery pollen; front green, the pollen of the face extending over lower half; antennæ as in the male.

Thorax green with blue reflections, sometimes with only a median, blue line; posterior edge of pleuræ yellow. First three abdominal segments and venter of fourth yellow, apical segments green with wide, lateral edges of fourth and very narrow edges of fifth yellow; hairs of abdomen black, except on venter of last two segments, where there are a few yellow hairs.

Coxæ, legs and feet colored as in the male, except that the fore and middle tarsi are more blackened towards their tips. Joints of fore tarsi as 39-40-26-15-11; those of middle ones as 00-29-21-9-8; those of posterior pair as 44-39-27-16-10.

Described from one male and six females which I took in the bed of the old canal at Amity Hall, Benvenue, Pennsylvania, June 4, 1925.

Type and allotype in the author's collection.

The Chilean Society of Natural History

A new scientific society was organized recently in Santiago, Chile, with the name The Chilean Society of Natural History (Sociedad chilena de Historia natural). The first officers are as follows: *President*, Professor Carlos E. Porter, Zoologist, Entomologist; *Vice-President*, Professor Francisco Fuentes M., Chief of National Herbarium; *Secretary*, Mr. Gualterio Looser, Honorary Aid in Anthropological Section of National Museum; *Assistant Secretary*, Professor Gilberto Montero, Professor of Natural Sciences; *Directors*, Professor Marcial R. Espinosa, chief of Cryptogamic Botany, National Museum; Professor Miguel R. Machado, Chief of Geological and Mineralogical Section, National Museum; Fr. Flam. Ruiz P., Professor of Natural History, specialist in Apidae. The address of the Society is:—Casilla 2974, Santiago, Chile.



Van Duzee, M. C. 1927. "The North American Nematoproctus (Dipt., Dolichopodidae)." *Entomological news* 38, 53–54.

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