

Neochromadora (Trichodorina) nitida new species

Description. Cuticular ornamentation highly complex, heterogeneous; striations on surface, 3μ wide; large dots at extreme anterior; subcuticular hexagonal plates on esophageal region, basket-work on mid-body except on clear dorsal area having cross bars; sloping rods at 2 levels on tail region. Lateral membrane extending from 50% of the esophagus to just behind the anus; consisting of biconcave plates leaving circles between adjacent plates. 4 cephalic setae, 6μ long or 33% of the head diameter. Cervical setae lacking. Amphids transverse, indistinct. Stoma with large hollow triangular dorsal tooth, somewhat curved, 8μ long. Esophagus with well-developed oval bulb, 25% of the esophageal length. Excretory pore just above bulb; excretory cell 25μ posterior to bulb. Nerve ring about 55%. Tail ending in ring of tissue, with 2 short setae projecting from it.

Female. 730-797 μ ; *a*, 14-15.6; *b*, 5.7-6.1; *c*, 8.1-9.6; V, 48.1-50%; Ov1, 20%; Ov2, 15.7%. 1 egg in each uterus, $48 \times 32\mu$. Tail 4.1-4.4 anal diameters long.

Male. 683-742 μ ; *a*, 19.6-20; *b*, 5.4-6.3; *c*, 7.3-7.8. Spicules broad, 48μ long or 2.3 anal diameters, slightly cephalated. Gubernaculum 16μ long, surrounding tip of spicules. No preanal supplements. Tail 3-4.3 anal diameters long.

Habitat. Bottom mud.

Discussion. This species differs from the other species of *Trichodorina* in the much shorter setae.

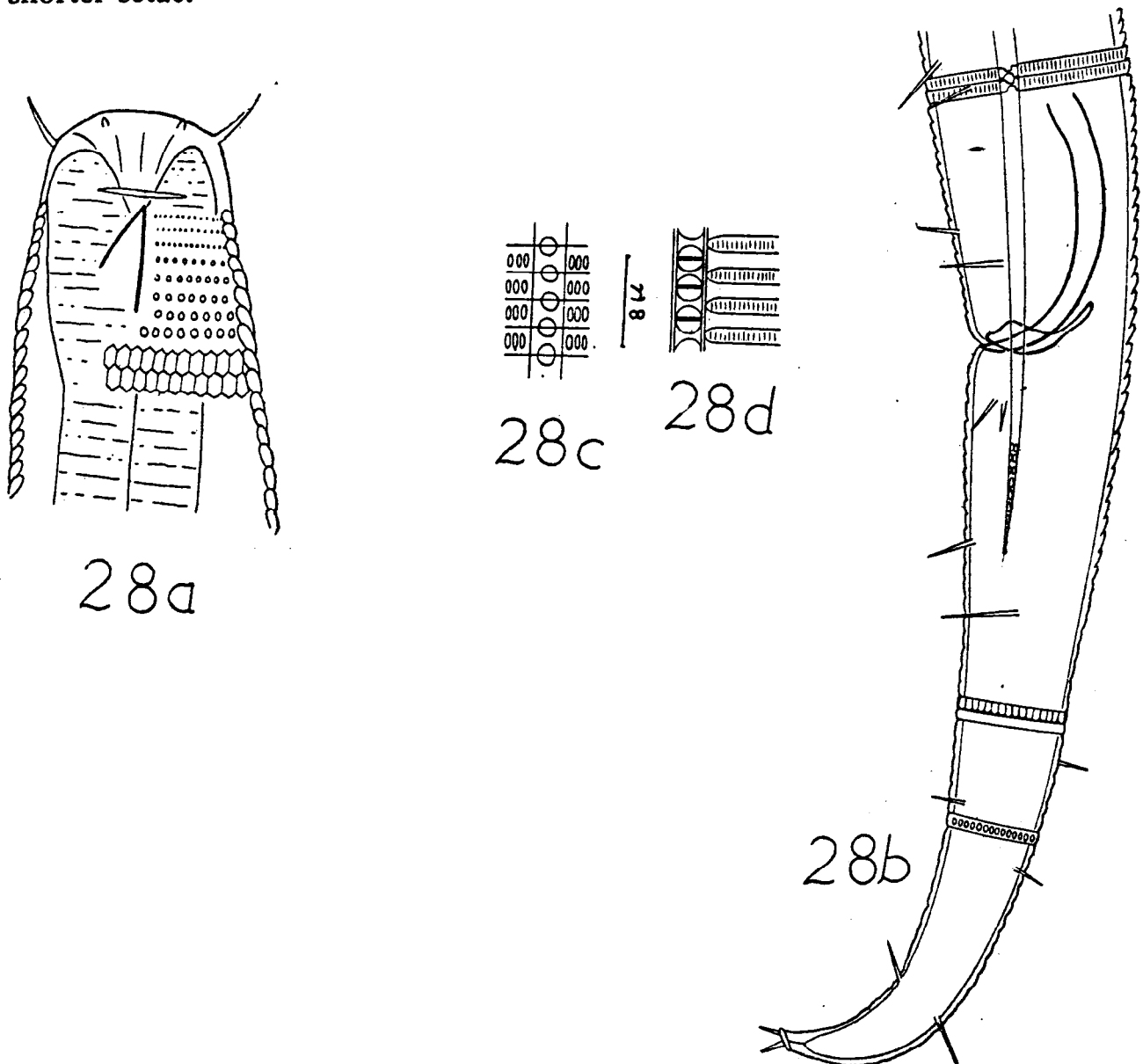


Fig. 28. *Neochromadora (Trichodorina) nitida* n.sp., *a*. male head; *b*. male tail; *c*. lateral area of cuticle at esophageal base; *d*. lateral area of cuticle at mid-body.