

*Neochromadora alatocorpa* n. sp.

(Figs. 35-40)

*Female* (*n*, 2).—Length 0.975 and 1.05 mm; *a*, 21.7 and 26.2; *b*, 7.8 and 7.9; *c*, 8.0 and 8.1; *V*, 48.1 and 47.1%.

*Male* (*n*, 5).—Length 1.064 (0.975-1.13) mm; *a*, 26.9 (26.0-28.1); *b*, 8.52 (7.78-8.87); *c*, 8.23 (7.67-8.46).

Body relatively stout, 40 to 45  $\mu$  wide. Cuticle striated, ornamentation heterogeneous, laterally differentiated by 12  $\mu$  wide lateral alae. Cervical setae 9  $\mu$  long, somatic setae up to 20  $\mu$  long, arranged in two rows, one on either side of lateral alae.

Head 15  $\mu$  wide, armed with four 25  $\mu$  long cephalic setae. Amphids reniform, situated at level of cephalic setae. Stoma armed with prominent, triangular, hollow, dorsal tooth. Cylindrical esophagus terminated by basal bulb 30  $\mu$  long by 25  $\mu$  wide in female and 25  $\mu$  long by 19  $\mu$  wide in male. Neck base diameter 28 to 33  $\mu$ .

Anal body diameter 26 to 30  $\mu$ . Spicules 41.6 (37-45)  $\mu$  long. Gubernaculum two-thirds length of spicules, with distal lateral guiding flanges (Fig. 38). Supplements 11, small, chromadoroid. Fifth preanal supplement modified into 27  $\mu$  long posteriorly extending glandular organ (Fig. 39).

*Differential diagnosis*.—*Neochromadora alatocorpa* n. sp. belongs to the group of species with conspicuous triangular teeth, complicated cuticular ornamentation and long cephalic setae (cf. Wieser (25, page 85)). It differs from all the members of the group by the long cephalic setae and the glandular modification of the fifth supplement.

*Remarks*.—The width of the nema given above as 40 to 45  $\mu$  has been derived from a dorsal-ventral measurement. Due to the width of the lateral alae a measurement in the lateral plane gives a width of 70  $\mu$ .

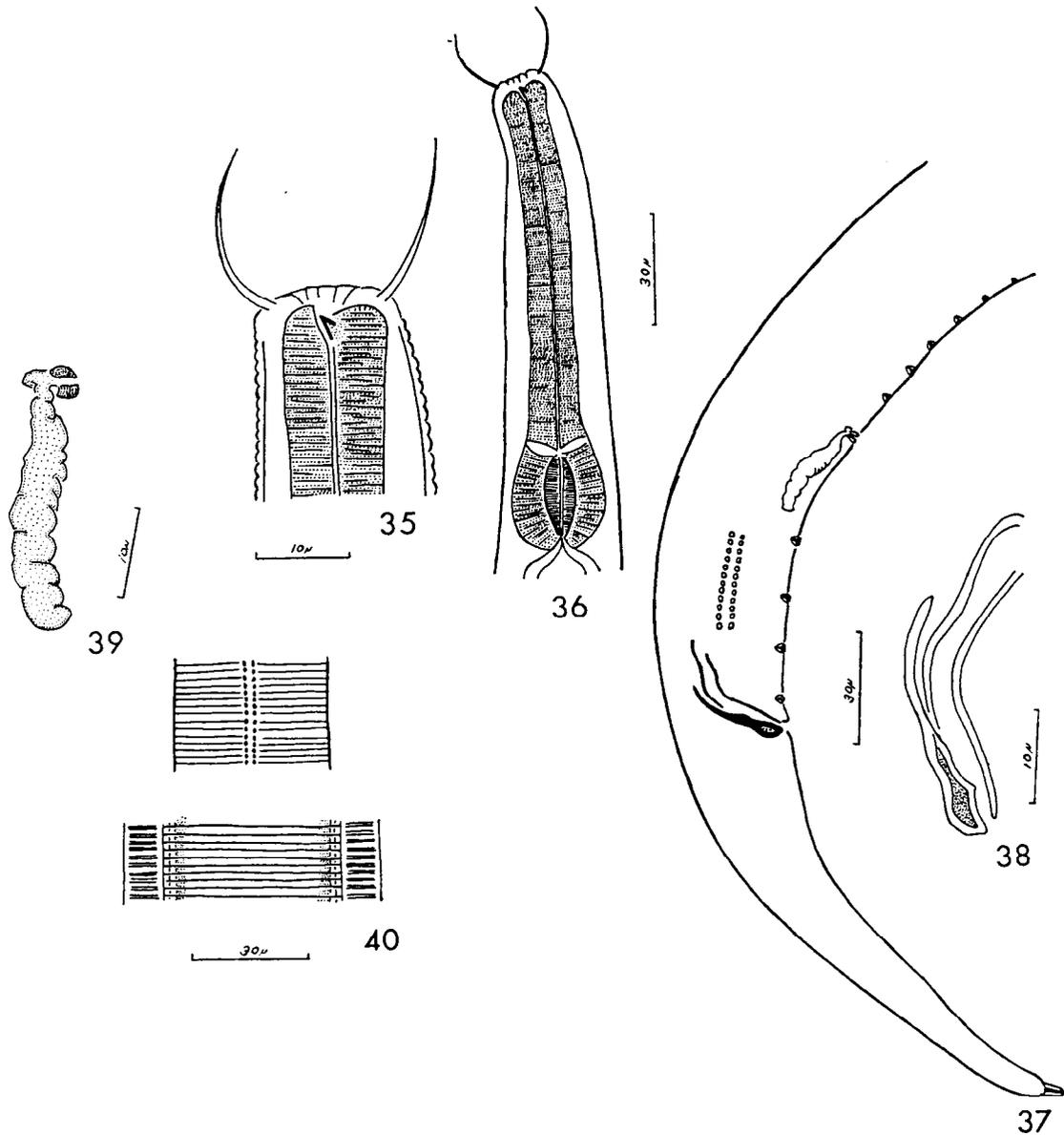
*Holotype*.—Male on slide M21.

*Allotype*.—Female on slide M22.

*Paratypes*.—Four males and two females on slides M21 and M22.

*Occurrence*.—Habitat 2.

*Habitat 2*.—Gulf Shores, Alabama. Samples collected February 1957 and September 1958 by the author, and May 1958 by N. Sansing. Specimens washed from beach sand collected beyond low tide mark. Habitat exposed. Salinity 26.9 $^{\circ}$ / $\infty$ .



FIGS. 35-40. *Neochromadora alatocorpa* n. sp. 35. Head of female. 36. Esophageal region of female. 37. Male tail. 38. Spicules and gubernaculum. 39. Glandular modification of fifth preanal supplement. 40. Body widths in lateral view and dorsal-ventral view.