

Voucher Sheet

Taxon: Palaeonemertea sp OC1 (Nemertea: Anopla)

Examined by Dean Pasko

Synonymy: none known

Date: 15 October 2013 (Distributed: 2/12/14)

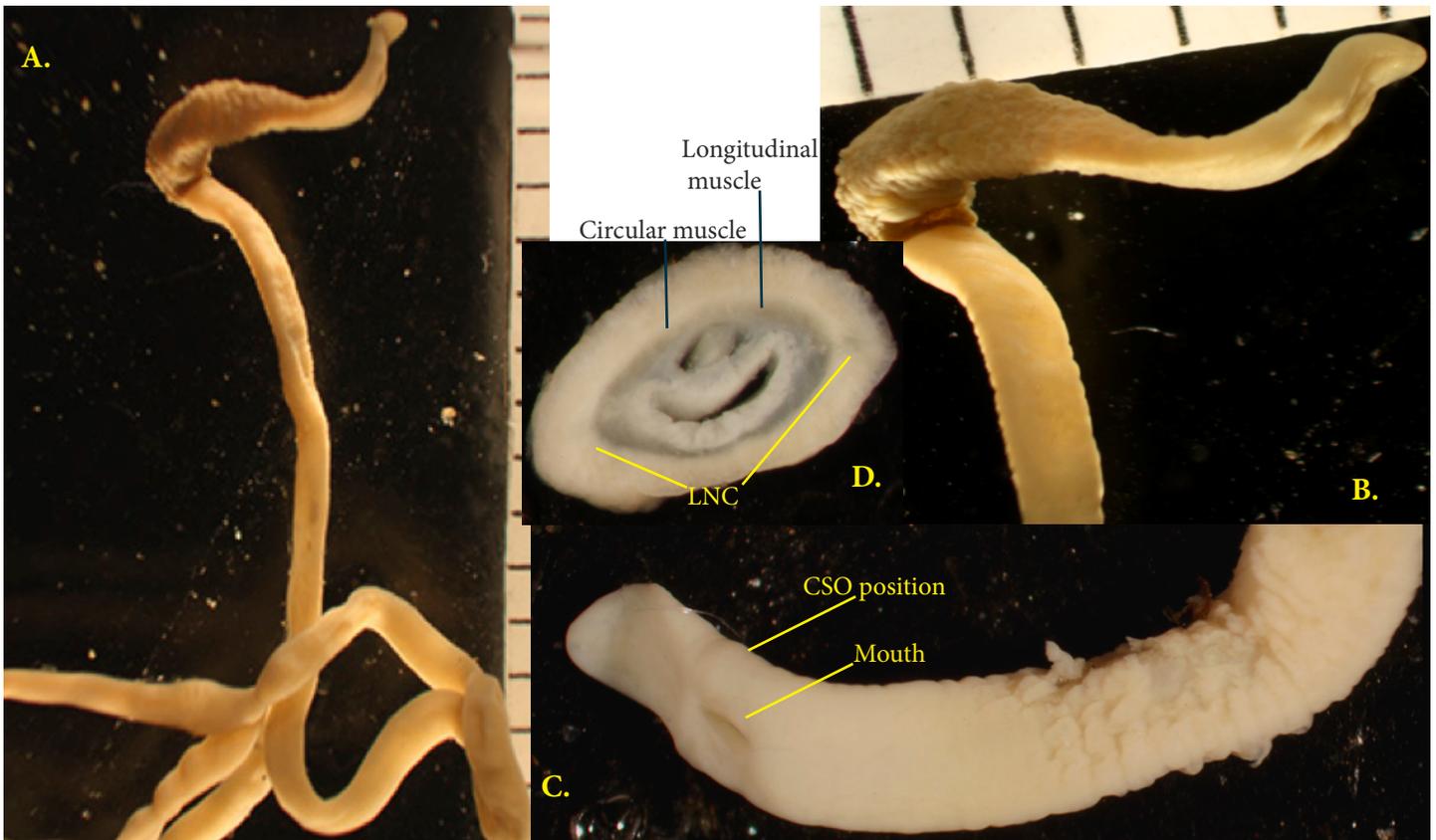
Collected: OCSD, Sediment Mapping Survey, Phase II, Station SM-159, 26 June 2012, 119 m

Literature:

- Bernhardt, P. 1979. A key to the Nemertea from the intertidal zone of the coast of California. (Unpublished).
- Coe, W. R., 1905. Nemerteans of the west and northwest coasts of America. Bull. Mus. Comp. Zool. Harvard, 47: 1-318.
- Coe, W.R. 1940. Revision of the nemertean fauna of the Pacific Coast of North, Central and northern South America. Allen Hancock Pacific Exped. 2(13):247-323.
- Coe, W.R. 1943. Biology of Nemerteans of the Atlantic Coast of North America. Trans. Conn. Acad. Arts Sci. Vol. 35: 129-328.
- Gibson, R., 1982. Nemertea. In: Synopsis and Classification of Living Organisms, ed. S. P. Parker, Vol. 1, pp 823-846. New York, McGraw-Hill
- Gibson, R. 1982. British Nemerteans: Keys and notes for the identification of the species. Synopses of the British Fauna. No. 24. Ed. Cambridge University Press. 218 pp.

Characters (See figures)

- Approx 145 mm total length (posterior end incomplete);
- Head broad and spatulate; esophageal region swollen, papillated (lumpy), slightly discolored, with posterior margin sharply delineated from remainder of body; remainder of body smooth to end.
- Mouth large, oval, with very slight indentation just anterior to mouth head region at level of mouth.
- Cerebral sense organ (CSO) present, small, in line with mouth (not anterior or posterior to it).
- LSO not observed, apparently absent.
- Internal musculature 2-layers throughout: outer circular, inner longitudinal in esophageal region, lateral nerve cord (LNC) embedded external to circular muscle within thickened epidermis; two large, laterally positioned blood vessels (one on each side) within longitudinal muscle in line with LNC.
- Posterior section of body much reduced in girth from anterior, with thickened intestinal muscles(?) and broad intestinal coelom.
- Presence/absence of caudal cirrus unknown, presumed to be absent.



Palaeonemertea sp OC1: (A) tangled mass of entire specimen; (B) anterior body region and papillated esophageal region; (C) ventral surface of head showing size and position of mouth and CSO; (D) cross-section through esophageal region.