

**BOCCARDIA BASILARIA** Hartman, 1961

Spionidae

Voucher #AHF 15

10 October 1983

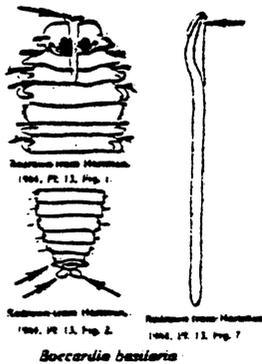
Literature citation: Hartman, O. 1961. Polychaetous annelids from California. Allan Hancock Pac. Exped., 25: 226 pp.

Synonymy: none

Primary diagnostic characters: Bifid prostomium; lacks notosetae on setiger 1; caruncle to end of setiger 3; branchiae on first half of body only; posterior notopodia with acicular spines; spines of modified 5th setiger include gently falcate ones and some bristle-topped with constricted neck; hooded hooks gradually change from bidentate to unidentate; pygidium a thin disk with two ventral lappets.

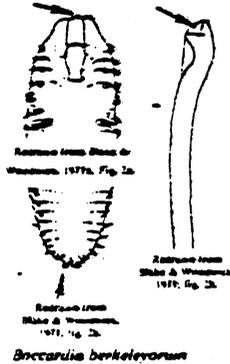
Related species and character differences: In southern California, *B. BASILARIA* is unique with its posterior unidentate hooks and notopodial acicular spines, however, it is closely related to *B. PUGETTENSIS* Blake, 1979, which also has these characters. *B. PUGETTENSIS* has thinner notopodial spines, its hooded hooks are nearly straight in the posterior and only sometimes unidentate, has notosetae on setiger 1, the pygidium has 4 lobes, and anterior branchiae reaching nearly to the midline of the dorsum. The branchiae of *BASILARIA* are short and reach no more than 1/4 of the body width to the midline. *B. BERKELEYORUM* Blake and Woodwick, 1971, is similar to *BASILARIA* in lacking notosetae on setiger 1, possession of posterior acicular spines and very short anterior branchiae, but it has bidentate hooded hooks throughout its body, 4 small lobes on the pygidium, and a rounded prostomium.

Prostomium incised; posterior hooded hooks unidentate; pygidium a thin disk with two ventral lappets; notosetae absent on setiger one; short anterior branchiae



*Boccardia basilaria*

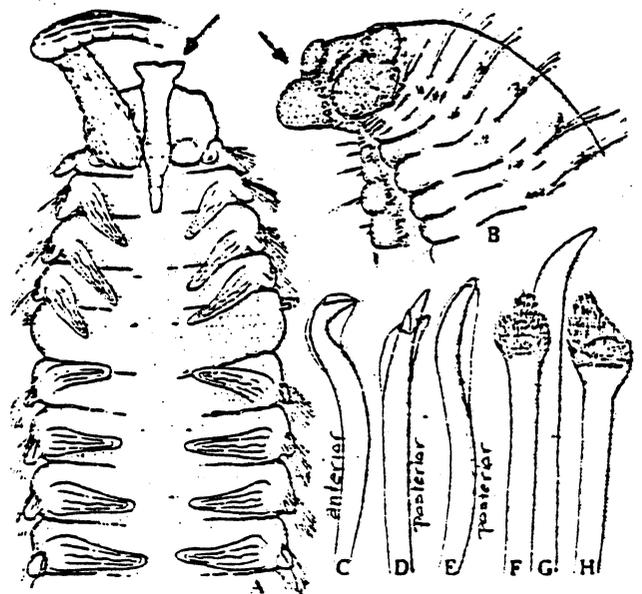
Prostomium rounded; posterior hooded hooks bidentate; pygidium with four very small papillae; notosetae absent on setiger one; short anterior branchiae



*Boccardia berkeleyorum*

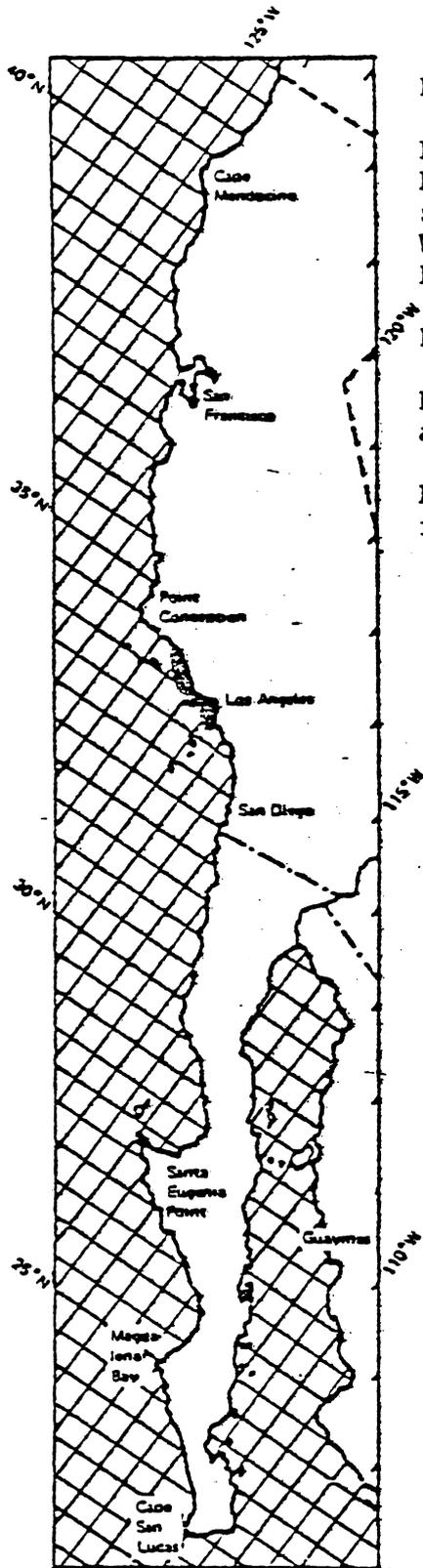
from Light 1978

Prostomium incised; posterior hooded hooks nearly straight, occasionally unidentate; pygidium with four lobes, dorsal pair smaller; notosetae present on setiger one; long anterior branchiae



*Boccardia pugettensis*

from Blake 1979



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Pertinent literature: Hartman, 1961, 1969; Blake & Kudenov, 1978 (first record of acicular spines, in discussion of *P. ACICULATA*); Blake & Woodwick, 1971; Blake, 1979 (see discussion of *B. PUGETTENSIS*); Light, 1978.

Depth range: Shallow shelf depths.

Distribution: Santa-Barbara through San Pedro area, California.

Ecology: Soft bottom communities, in silt and fine sand.