

SCAMIT Code: PL50

Date examined: September 10, 1984

Synonymy:

*B. pilosa* Moore, 1906

Literature:

- Hartman, 1969;
- Hobson and Banse, 1981;
- Moore, 1906;
- Berkeley and Berkeley, 1952;
- Hartman, 1963;
- Uschakov, 1955 (1965);
- Pettibone, 1954.

Diagnostic characters:

All setae simple; neurosetae acicular, distally curved. Branchial membrane short, rounded, with about 30 pairs of branchiae. Cephalic cage absent, although notosetae of first setiger are elongate and project anteriorly. Body covered with filiform papillae, 8-12 rows in dispersed arrangement. Dorsal papillae with long, slender, filiform tip, or often with terminal enlargement. Most encrusted with sand at the base. A pair of nephridial papillae on ventrum of setiger 5, near the parapodia. Segments about 31-33 in number. Long slender papillae surrounding parapodia; forming a rosette. Grey color, fuzzy overall appearance. Sometimes the skin is inflated and translucent.

Related species and character differences:

*B. inhabilis* (Rathke, 1843) has numerous dermal papillae that are elongate and conical with short tapering tips, and 22-26 segments.  
*B. pluribranchiata* (Moore, 1923) has fewer, larger broadly tubercular papillae with short filiform tip.

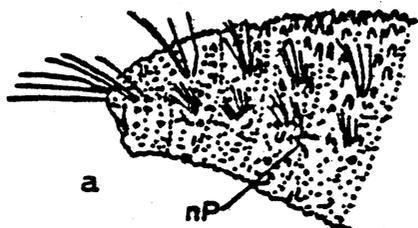


Fig. 1 Variation in cephalic cage formation



Fig. 2 Median dorsal papilla, silt encrusted



Fig. 3 Ventral papilla same magnification as Fig. 2

Distribution:

Hartman, 1969: Alaska south to southern California, in slope to basin depths, in mud, and mixed sediments; northwestern Europe.

Uschakov, 1955: Sea of Japan, Sea of Okhotsk and Bering Sea (depth: 0-592m); an arctic boreal species.

Hartman, 1963: Monterey Canyon through Tanner Canyon, 16-846m.

Comments:

"Brada pilosa Moore, here referred to B. villosa Rathke, may differ in that the first has fine, filiform epithelial papillae, densest dorsally, and median segments have 8-12 rows of papillae in dispersed arrangement. In typical B. villosa the median segments have coarser papillae, numbering 3-4 per row, and in dispersed arrangement."

-Hartman, 1969

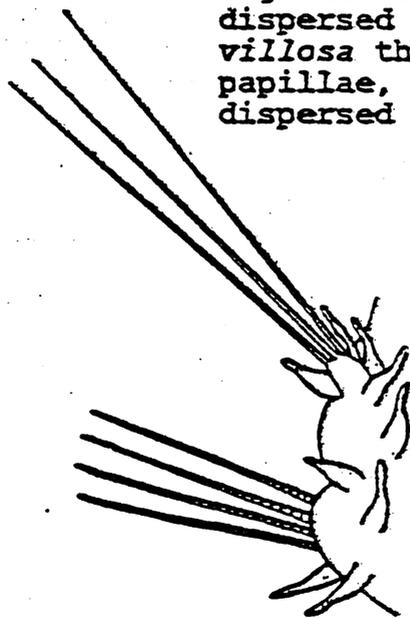
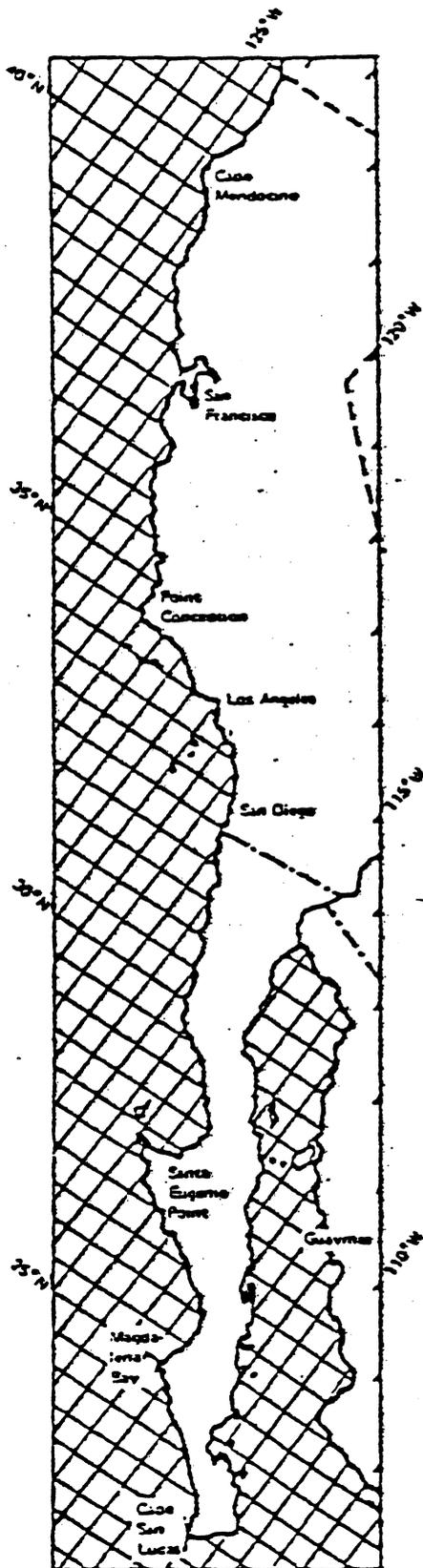


Fig. 4 Parapodium

Fig. 5 Notosetae



Fig. 6 Neuroseta



Fig. 1a from Hobson & Banse, 1981  
1b, 2, 5, 6 from Ushakov, 1955  
3, 4 from Hartman, 1969