

*Pleopods*.—The joints of the rami numbering from ten to eleven.

*The Telson* small, nearly circular, but flattened at the base.

*Length*.—The specimen, with the after part of the pleon flexed, measured a fifth of an inch.

*Locality*.—The single specimen, a male, was taken at the surface in the South Atlantic, on the night of October 5, 1873.

*Remarks*.—The specific name is taken from the first part of the name of the distinguished French naturalist, the second part of his name having been applied to another species in this genus. The species differs from *Vibilia macropis*, Bovallius, which is also from the South Atlantic, by the smaller size of the eyes, by the flagellum of the upper antennæ not being "elongate lanceolate," and by the rami of the uropoda being much serrate, and in the second and third pairs not equal. It has a shorter telson than *Vibilia gracilis*, Bovallius, from the Pacific, though it agrees with that species in having a round telson and in some other noticeable characters.

*Vibilia* sp. (Pl. CXLVIII. figs. C, D).

Rostrum minute, back smoothly rounded.

Eyes oval, the lower end the smaller.

*Upper Antennæ*.—The distal end of the large flagellum joint a little narrowed.

*Lower Antennæ*.—Two stages of the development of the flagellum are shown in the figures *a.i.* C. and *a.i.* D. respectively.

*Mouth Organs* differing little from those of *Vibilia propinqua*. In the molar tubercle of the mandible the teeth along the flattened side of the crown were here observed to be long and slender, and apically bidentate or tridentate.

*First Gnathopods* nearly as in *Vibilia propinqua*, but the wrist scarcely so long as the hand, and with only one spine on the apex of the hind margin.

*Second Gnathopods*.—The third joint has seven spines on the hind margin, six on the apical margin, all with sharp tips, the front spine much the smallest.

*Peræopods* like those of *Vibilia propinqua*. In the fourth pair the fourth joint has seven spines on the front margin, and in the fifth pair the first joint is rather more widely expanded than in the species compared.

*Uropods*.—In one specimen the inner ramus of the third pair was considerably longer than the outer ramus, see fig. *ur.*3. C., but in another specimen the difference was less.

*Length*, from the front of the head to the back of the second segment of the pleon, three-tenths of an inch.

*Locality*.—"March 10, 1876, South Atlantic, surface." Lat. 37° 29' S., long. 27° 31' W. Six specimens.