

II. Microscleres absent.

*Habitat*.—Station 57, "Porcupine" Expedition between Scotland and the Færøe Isles, 632 fathoms (Carter). Station 286, Norwegian Expedition; lat. 72° 57' N., long. 14° 32' E., 447 fathoms; bottom temperature, 0°·8 C.; bottom, clay (Hansen).

*Remarks*.—This is an excellent species, differing from *Craniella cranium*, not only in the absence of sigmaspires, but more particularly in the singular and striking character of the protriæne, which has been well described and illustrated by Carter. The cladome of the anatriæne is also very different in form from that in *Craniella cranium*, its cladi being much longer and more divergent. Carter's suggestion that the form of the protriæne is the result of disease cannot be entertained.

*Craniella insidiosa*, O. Schmidt.

*Craniella insidiosa*, O. Sch., Spong. Atlant. Gebiet., p. 67, pl. vi. fig. 11, 1870.

*Habitat*.—Florida; depth, 17 fathoms.

*Remarks*.—This species is insufficiently characterised. I have not been able to obtain specimens for examination.

*Craniella lens*, O. Schmidt.

*Craniella lens*, O. Sch., Spong. Atlant. Gebiet., p. 67, pl. vi. fig. 10, 1870.

*Spicules*.—I. Megascleres. 1. *Somal oxea*, 3·3 by 0·05 mm. 2. *Cortical oxea*, 0·96 by 0·04 mm. 3. *Protriæne*, rhabdome 5·18 by 0·03 mm.; cladi about 0·17 mm. long. 4. *Anatriæne*, rhabdome about 0·045 mm. in diameter.

II. Microscleres. None are present on the slide presented by Schmidt to the British Museum.

*Habitat*.—Florida; depth, 135 to 152 fathoms.

*Remarks*.—I give the dimensions of the spicules on the slide mounted by Schmidt as a contribution to our knowledge of this species. By itself this is quite insufficient to determine the species, and Schmidt's description is of no value whatever. The species must therefore remain doubtful till some one is fortunate enough to obtain access to the type. It appears to resemble *Craniella simillima*, Bowerbank.

*Craniella tethyoides*, O. Schmidt.

*Craniella tethyoides*, O. Sch., Spong. Atlant. Gebiet., p. 66, pl. vi. fig. 9, 1870.

*Spicules*.—I. Megascleres. 1. *Oxea*. 2. *Protriæne* (?). 3. *Anatriæne*, cladi 0·07 to 0·09 mm. long, chord 0·08 to 0·011 mm.