Tabular View of the Tetillidæ—continued.

	Oxea.		Protriæne.	Anatriæne.	Sigmaspire.	Microrhabd.
	Somal.	Cortical.				
(β) Sigmaspires from 0·01 to 0·02 mm. in length.						
30. *Craniella abyssorum* (Cr.), .	4·3	0·7	4·3	6·5	20	...
31. *Craniella cranium*, auctt., .	2·1	0·83	3·2	2·1	9	...
	4·3	0·9	5·4	11·4	12	...
32. *Craniella schmidtii*, n. sp.,	2·2	present	present	present	20	...
(γ) Sigmaspires over 0·02 mm. in length.						
33. *Craniella tethyoides*, O. Sch.,	present	present	present	present	35	...
(δ) Sigmaspires large and spined.						
34. *Craniella atropurpurea* (Cr.),	3·57	1·25	5·0	5·0	62	...

The measurements give the length of the megascleres in millimetres, of the microscleres in micro-millimetres.

Family II. Samidæ.

Sigmatophora in which the characteristic megascleres are amphitriænes.

Genus *Samus*.

Samus anonymus, Gray.

Bowerbank, Spicule of an Unknown Sponge, Mon. Brit. Spong., vol. i. p. 234, pl. ii. figs. 41, 42.
Samus anonyma, Gray, Proc. Zool. Soc. Lond., p. 526, 1867.
„ „ Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. iii. pp. 350–352, pl. xxix. figs. 1–4, 1879.
Samus anonymus, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. vi. p. 59, 1880.

Sponge excavating.

Spicules.—I. Megascleres. 1. *Amphitriæne;* rhabdome cylindrical, 0·08 by 0·0375 mm.; cladome with trichotomate cladi; protocladi 0·043 mm. long, deuterocladi 0·075 mm. long.; chord 0·16 mm.

2. *Heteropolar amphitriæne;* rhabdome cylindrical, 0·0197 mm. long, the cladome at one end with simple cladi, at the other with trichotomate cladi; simple cladi 0·024 mm. long; trichotomate cladi, protocladi 0·016 mm. long, deuterocladi 0·016 mm. long.

II. Microsclere. 3. *Sigmaspire*, smooth, 0·012 mm. long.

Habitat.—Bahia.