

the arm forks are commonly shorter, as will appear by the following measurements of three Patagonian and three western specimens:—

Distance between Arm Forks outside of disk.	T. L. original; East Patagonia. Disk 63 mm.	Between Falkland Island and Str. Magellan. Disk 80 mm.	Station 307. Disk 42 mm.	Station 151. Disk 37 mm.	Kerguelen Islands. Disk 62 mm.	Kerguelen Islands. Disk 70 mm.
1-2	16	27	19	10	16	21
2-3	32	36	22	18	18	26
3-4	30	37	16	18	18	25
4-5	27	34	25	23	20	21
5-6	29	22	33	22	19	20
6-7	27	18	26	26	22	22
7-8	15	24	26	17	22	15
8-9	10	12	21	19	16	14
9-10	7	11	20	18	13	12
10-11	7	8	32	16	12	10
11-12	4	7	...	11	11	10
12-13	...	5	...	6	10	5
13-14	...	3	10	...

Kerguelen Islands; 75 to 120 fathoms. Station 150.—February 2, 1874; lat. $52^{\circ} 4' S.$, long. $71^{\circ} 22' E.$; 150 fathoms; rock. Station 151.—February 7, 1874; off Heard Island; 75 fathoms; mud. Station 307.—January 4, 1876; lat. $49^{\circ} 24' S.$, long. $74^{\circ} 23' W.$; 147 fathoms; mud. Station 308.—January 5, 1876; lat. $50^{\circ} 10' S.$, long. $74^{\circ} 42' W.$; 175 fathoms; mud. Station 313.—January 20, 1876; lat. $52^{\circ} 20' S.$, long. $68^{\circ} 0' W.$; 55 fathoms; sand. Off East Patagonia; 55 to 144 fathoms.

Gorgonocephalus verrucosus, Lym. (Pl. XLVIII.).

Euryale verrucosum, Lmk., Hist. Anim. sans Vert., vol. ii. p. 537, 1816.

Euryale verrucosum, Cuvier, Règne Anim., Zooph., pl. v., 1817.

Astrophyton scutatum, Agas., Mem. Soc. Scien. Nat. Neuchatel, vol. ii. p. 11, pl. i. to iii., 1839.

Astrophyton verrucosum, Müll. & Tr., Syst. Ast., p. 121, 1842.

This is a somewhat aberrant member of the genus. There are no scales or pieces homologous with upper or under arm plates, in which respect it approaches *Astrophyton*. The side arm plates are, however, by no means so large as in that genus, being short, thin plates covering only a part of the under surface of the arm. A character of similar significance is the absence of any row of plates along the margin of the disk. The hook belts are confined to the terminal twigs. It approaches *Astrophyton* also in the great