

- b. Centro-dorsal more rounded ; the cirri without definite arrangement.
1. Thirty to forty cirrus-joints ; the radial axillaries long ; lower joints of the genital pinnules expanded, *duplex*, Carpenter, MS.¹
 2. About fifty cirrus-joints ; the radial axillaries short and wide, 3. *lusitanica*, n. sp.¹
- B. Fifteen to twenty-five stout and usually smooth cirrus-joints.
- I. Centro-dorsal shortly columnar or conical, with five double rows of cirrus-sockets.
- a. First radials visible ; the arm-bases smooth and rounded, 4. *flexilis*, n. sp.¹
 - b. First radials entirely concealed ; the lower arm-joints have raised distal edges, 5. *patula*, n. sp.
- II. Cirri without definite arrangement.
- a. The distichals and lower brachials have distinctly flattened sides. The later cirrus-joints smooth.
 1. Calyx and arm-bases almost smooth ; lower joints of the genital pinnules not specially distinguished, 6. *robusta*, n. sp.
 2. Calyx and arm-bases irregularly tubercular.
 - a. The pinnules from the tenth to twentieth brachials have the third to fifth joints flattened and expanded laterally, *pourtalesi*, Carpenter, MS.
 - β. The genital pinnules comparatively slender, with very slightly expanded joints, *brevipinna*, Pourtaès.¹
 - b. The distichals and lower brachials are but slightly flattened laterally ; blunt spines on the later cirrus-joints, 7. *compressa*, n. sp.

1. *Antedon macronema*, Müll., sp. (Pl. IV. figs. 3, a-d ; Pl. XXXVIII. figs. 4, 5).

Specific formula—A. 2. $\frac{b}{c}$.

1846. *Comatula macronema*, Müller, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, 1846, p. 179.
1849. *Comatula macronema*, Müller, Abhandl. d. k. Akad. d. Wiss. Berlin, Jahrg. 1847 [1849], p. 258.
1862. *Comatula macronema*, Dujardin and Hupé, Hist. Nat. des Zoophytes, Échinodermes, Paris, 1862, p. 203.
1879. *Antedon macrocnema*, P. H. Carpenter, Trans. Linn. Soc. Lond. (Zool.), ser. 2, 1879, vol. ii. p. 29.
1880. *Antedon macrocnema*, P. H. Carpenter, Journ. Linn. Soc. Lond. (Zool.), 1880, vol. xv. p. 213, pl. xii. figs. 25, a-c.
1882. *Antedon macronema*, Bell, Proc. Zool. Soc. Lond., 1882, p. 534.
1882. *Antedon macronema*, P. H. Carpenter, *Ibid.*, p. 746.
1885. *Antedon macronema* (misprinted *mauonema*), Bell, Proc. Linn. Soc. N.S.W., 1884 [1885], vol. ix. p. 497.

Centro-dorsal a thick disk or short column with a smooth dorsal pole and about twenty-five to thirty-five cirri on its sides. These are very slender and reach 45 mm. in length, the longest having nearly one hundred joints, most of which are wider than long.

¹ Some individuals of these species have only ten arms ; see p. 54.