

discoidea occurs between this depth and 118 fathoms. But all the remaining species of the group belong to the purely littoral fauna of the Eastern seas. One of them is the only described *Actinometra* which I have not personally examined. It is the *Actinometra borneensis* of Grube, whose type-specimen has disappeared since his death, and I am, therefore, uncertain about its proper place in the following scheme.

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|------------------------------------------------------------------------------|--------------------------------------|
| A. Arm-joints short and discoidal, | 1. <i>fimbriata</i> , Lamarck, sp. |
| B. Arm-joints shortly triangular, becoming more quadrate or discoidal. | |
| I. No palmars. | |
| a. Less than twenty-four cirrus-joints, | 2. <i>coppingeri</i> , Bell. |
| b. More than twenty-four cirrus-joints, | <i>borneensis</i> , Grube. |
| II. Two palmars, the axillary a syzygy. | |
| a. Less than thirty cirrus-joints; no post-palmars, | 3. <i>multiradiata</i> , Linn., sp. |
| b. More than thirty cirrus-joints; post-palmars, like the palmars, | 4. <i>sentosa</i> , n. sp. |
| C. Arm-joints triangular, nearly as long as wide, | 5. <i>lineata</i> , n. sp. |
| D. Arm-joints almost quadrate, | 6. <i>discoidea</i> , Carpenter, MS. |

1. *Actinometra fimbriata*, Lamarck, sp. (Pl. LXII. figs. 2-4).

Specific formula— $a.3.2br.\frac{b}{ab}$.

1816. *Comatula fimbriata*, Lamarck, Hist. Nat. des Animaux sans Vertèbres, Paris, 1816, t. ii. p. 534.
1834. *Comatula fimbriata*, de Blainville, Manuel d'Actinologie, Paris, 1834, p. 249.
1841. *Alecto fimbriata*, Müller, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, 1841, p. 185.
1843. *Alecto fimbriata*, Müller, Archiv f. Naturgesch., 1843, Jahrg. ix. Bd. i. p. 136.
1849. *Comatula (Alecto) fimbriata*, Müller, Abhandl. d. k. Akad. d. Wiss. Berlin, Jahrg. 1847 [1849], p. 258.
1862. *Comatula fimbriata*, Dujardin and Hupé, Hist. Nat. des Zoophytes, Échinodermes, Paris, 1862, p. 204.
1879. *Actinometra fimbriata*, P. H. Carpenter, Journ. Linn. Soc. Lond. (Zool.), 1877, vol. xiii. p. 443.
1879. *Actinometra fimbriata*, P. H. Carpenter, Trans. Linn. Soc. Lond. (Zool.), ser. 2, 1879, p. 27.
1882. *Actinometra fimbriata*, Bell, Proc. Zool. Soc. Lond., 1882, p. 535.
1882. *Actinometra fimbriata*, P. H. Carpenter, *Ibid.*, p. 747.

Centro-dorsal a moderately thick disk bearing fifteen or eighteen marginal cirri of twenty to twenty-four joints, the lower ones longer than wide, and the later joints more or less spinous, sometimes considerably so.

First radials barely visible; the second short, wide, and closely united laterally. Three distichals, the axillary a syzygy.

Eighteen to twenty arms, which are all tentaculiferous and sometimes dimorphic, the anterior having one hundred and seventy joints as compared with one hundred and fifty in the posterior arms. The joints are all short and wide, with nearly transverse articulations, so as to become almost oblong after about the thirtieth, and generally