

This type has normally one and sometimes two post-distichal axillaries; while there are three in an undescribed species (*Actinometra nigra*) which was brought by Professor Semper from the Philippines. On the other hand there are none in *Actinometra maculata* (Pl. LV. fig. 2), and this is usually also the case in *Actinometra pulchella*, though palmars may be occasionally present (Pl. LII. fig. 1). This remarkable type occurs on both sides of the Atlantic, and possibly also in the Eastern Archipelago; but all the remaining members of the group are limited to the latter region and to the Western Pacific. Two of them, *Actinometra maculata* and *Actinometra stelligera*, were obtained by the Challenger, but the group is not represented in the "Alert" collection, though Dr. Coppinger dredged in two localities, Bowen and Torres Strait, where examples of it had previously been obtained.

The following scheme shows the mutual relations of the four species belonging to the *Stelligera*-group:—

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| A. Arm-joints triangular and of moderate length, | | 1. <i>pulchella</i> , Pourtalès, sp. |
| B. Arm-joints relatively short, becoming rather saucer-shaped. | | |
| I. The first, and parts of the second radials concealed. | | |
| a. No post-distichal axillaries. The later cirrus-joints bluntly spinous, | | 2. <i>maculata</i> , n. sp. |
| b. One or two post-distichal axillaries. The cirri scarcely spinous, | | 3. <i>stelligera</i> , n. sp. |
| II. The first radials partly visible, and the second entirely so. Three post-distichal axillaries, | | <i>nigra</i> , Semper, MS. |

1. *Actinometra pulchella*, Pourtalès, sp. (Pl. IV. figs. 5, *a-c*; Pl. LII. figs. 1, 2).

Specific formulæ— $a. \frac{a}{b}$; and— $a. 2. (2). \frac{br a}{2 \cdot b}$.

1878. *Antedon alata*, Pourtalès, Bull. Mus. Comp. Zoöl., 1878, vol. v. No. 9, p. 215.

1878. *Antedon pulchella*, Pourtalès, *Ibid.*, p. 216.

1881. *Actinometra pulchella*, P. H. Carpenter, *Ibid.*, 1881, vol. ix. No. 4, p. 10.

1882. *Antedon alata*, Bell, Proc. Zool. Soc. Lond., 1882, p. 532.

1882. *Actinometra pulchella*, Bell, *Ibid.*, p. 535.

1882. *Actinometra pulchella*, P. H. Carpenter, *Ibid.*, p. 747.

1884. *Actinometra pulchella*, P. H. Carpenter, Proc. Roy. Soc. Edin., 1884, vol. xii. p. 369.

Localities.—H.M.S. "Porcupine": Station 25, July 27, 1870; near Cape St. Vincent; lat. 37° 11' N., long. 9° 7' W.; 374 fathoms; rock; bottom temperature, 53°·5 F. One mutilated specimen.

Station 31, August 1870; lat. 35° 56' N., 7° 6' W.; 477 fathoms; clay; bottom temperature, 50°·5 F. One mutilated specimen.

H.M.S. Challenger: August 1873, St. Paul's Rocks. One specimen.

Station 192, September 26, 1874; near the Ki Islands; lat. 5° 49' 15" S., long. 132° 14' 15" E.; 140 fathoms; blue mud. One doubtful specimen.