

AN AUSTRALIAN CHÆTOGNATH.

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(Plate lxxi.)

The Chaetognatha of the South Pacific are very imperfectly known. Dr. G. H. Fowler¹ in his Monograph mentions "the amazing fact that between 160° E. and 80° W. we have not a single record of a Chaetognath" Dr. O. Steinhaus² recorded the capture of *Sagitta enflata*, Grassi, in 28° S., 160° E., that is west of New Caledonia, and Prof. F. J. Parker³ mentioned the finding of *Krohnia hamata*, Moebius, south of New Zealand. Mr. S. Kent's⁴ *Sagitta tricuspidata* from the South Pacific bears no definite locality and is now regarded as a variety of *S. hexaptera*, d'Orb. Excluding the important work of Mr. T. Aida⁵ on Japanese forms and of Dr. Fowler on specimens collected by the "Siboga"⁶ (East Indies), "Challenger"⁷ (Arctic and Sub-Antarctic waters), and "Discovery"⁷ (Antarctic Ocean), I do not know of any other references to Pacific forms. There has not been any record whatever of any Australian members, excepting the mention of *Sagitta*, sp., by Mr. T. Whitelegge,⁸ as occurring in Port Jackson.

This aberrant group appears to be well represented in New South Wales waters. In 1898 Mr. Whitelegge found some specimens washed up on Maroubra Beach, just south of Sydney. These were presented to the Sydney University (Biology Department), some of which were given to me by Dr. J. P. Hill. These are described in this paper. In 1906 Professor W. A. Haswell

¹ Fowler—Chaetognatha (Siboga Expd. Monogr., xxi., 1906, p. 67).

² Steinhaus—Die Verbreitung der Chaetognathen im Sudatlantischen und indischen Ozean, 1896.

³ Parker—Remarks on a Spadella from N.Z. waters. (Trans. N.Z. Instit., xxviii., 1895, p. 758.)

⁴ Kent—On a New Species of Sagitta from the South Pacific. (Ann. Mag. Nat. Hist., (4), v., 1870, p. 268.)

⁵ Aida—Chaetognaths of Misaki Harbour. (Annot. Zool. Japon., i., Parts 1, 2, 1897, p. 13.)

⁶ Fowler—*Loc. cit.*

⁷ Fowler—Chaetognatha (National Antarctic Expedn., iii., 1908.) The "Challenger" forms are recorded along with those obtained by the "Discovery."

⁸ Whitelegge—List of Marine and Freshwater Invert. Fauna of Pt. Jackson. (Journ. Roy. Soc. N. S. Wales, xxiii., 1889, p. 163.)