

STUDIES IN AUSTRALIAN ARANEIDÆ.

No. 5.

By W. J. RAINBOW, F.L.S., Entomologist.

(Figures 2—5).

Family ARGIOPIDÆ.

Mr. W. Bullock, of the Parkville Public School, near Scone, New South Wales, has from time to time presented to the Trustees many interesting forms both of Spider and Insect life. Amongst his recent donations were two species of Araneidæ, and as these appear to be new, they are described hereunder. The first of these is an *Argiope*, Aud. *in Sav.*, for which I propose the name *A. bullockii*, and the second a species of *Celania*, Thor., for which the name *C. calotoides* is proposed. The first of these specific names is in honour of the collector, and the second is applied on account of the remarkable resemblance borne by the cocoons or ova-sacs to the fruiting heads of *Calotis*, R.Br., especially *C. lappulacea*, Benth. I am indebted to Mr. J. H. Maiden, Director of the Botanic Gardens, for his courtesy in examining the cocoons, and comparing them with the fruiting heads of the plants referred to above.

In reference to *C. calotoides*, I would like to point out that some time ago Mr. Bullock forwarded to the Museum a series of these peculiarly burr-like egg-bags, but without the spider. The egg-bags were new to me, but on examining them I concluded they were the work of a species of *Celania*. Accordingly I sent Mr. Bullock some sketches and notes of *C. distincta*, Cambr., asking him at the same time to keep a sharp look out, when collecting, for the maker of the cocoons. In this respect my correspondent was ultimately successful, securing three specimens, each of which had a series of cocoons. One of these Mr. Bullock retained for his own collection, but the other two are now in our cabinets.

Writing to me upon the subject of *C. calotoides* and its cocoons, Mr. Bullock observed:—"I had had a ramble in the bush, and had collected a number of spiders, and was on my way home