

AUTHOR'S PREFACE.

THE Second Part of the Monograph of the Carboniferous and Permo-Carboniferous Invertebrata of New South Wales includes the Echinodermata, Annelida, and Crustacea known to the Writer.

The whole of the specimens figured, with the exception of five, are contained in the cabinets of the Mining and Geological Museum. For an opportunity of illustrating the first of the exceptions (*Phialocrinus nodosus*, Eth. fil., Pl. XIV, Figs. 4 and 5) thanks are due to the Trustees of the Australian Museum; similarly for the second (*Tribrachioocrinus corrugatus*, Ratte—Pl. XVI, Figs. 5–10); and for the third, the magnificent subject of Pl. XVIII, Fig. 1 (*Phialocrinus princeps*, Eth. fil.), to the Council of the Maitland Scientific Society; for the fourth (Radial plate, Pl. XX, Fig. 9), again to the Trustees of the Australian Museum; and for the fifth (*Phillipsia grandis*, Eth. fil., p. 128, Fig. 5), to Mr. D. A. Porter, Inspector of School Buildings, Tamworth.

Mr. John Waterhouse, M.A., Inspector of Schools, has, with his usual liberality, presented several specimens of Echinodermata to the Collection, and so has Mr. B. G. Engelhardt, of the Public School, Jamberoo, which have materially assisted in the elucidation of difficult problems. Two of the beautiful Star-fish (*Palæaster Clarkei* and *P. giganteus*) have been presented by Mr. T. Browne, of Ravensfield, West Maitland, and for the presentation of the peculiar Crinoid, *Phialocrinus? Stephensi*, Eth. fil., we are indebted to the Executors of the late Mr. David Berry, of Cooloomgatta. The Rev. W. H. Yarrington, M.A., has also lent an example of *P. Clarkei* for comparison. The remainder of the specimens were obtained under the direction of the late Mr. C. S. Wilkinson, Geological Surveyor-in-Charge, by the Collector, Mr. C. Cullen, or, under the superintendence of Prof. T. W. E. David, B.A., when surveying the Maitland District. The fine example of *Phialocrinus Konincki*, Clarke (Pl. XVI, Fig. 1), was collected by Mr. E. F. Pittman, Government Geologist.

I am indebted for cordial services to my Assistant, Mr. W. S. Dun; for his accustomed skill in depicting the fossils to Mr. G. H. Barrow, of the Australian Museum; and for the Photo-lithographs to Mr. P. T. Hammond. As in Part I, the Plates have been reproduced by the Heliotype Process, at the Government Printing Office, by Mr. A. E. Dyer, under the direction of the Government Printer.

R. ETHERIDGE, JNR.