

Macgillivray's Narrative of the Voyage of H.M.S. "Rattlesnake,"<sup>1</sup> yet in the latter the powerful help of Assistant-Surgeon T. H. Huxley was available. As an example of the scanty reference to the group in these, it may be mentioned that the only example of the "Vers" in the Zoologie of the "La Bonite" is *Sagitta bipunctata*. This work, however, is pre-eminent in its folio atlas of beautifully coloured steel engravings. No improvement on the foregoing in regard to the Annelids occurred in the zoology of H.M.S. "Herald," edited by Edward Forbes;<sup>2</sup> and the same may be said of The Last of the Arctic Voyages, by Sir E. Belcher.<sup>3</sup>

The presence of W. Stimpson in the United States Surveying Expedition to the North Pacific, Japan Sea, &c., resulted in the brief description<sup>4</sup> of various Annelids, but the contribution is limited and difficult to follow from the absence of illustrative figures. In the voyage of A. S. C̄rsted to the West Indies and Central America, and that of H. Kr̄oyer to South America, about a hundred Annelids were procured, and these formed the materials for Grube's well-known Annulata C̄rstediana,<sup>5</sup> which only lacked figures to have been much more important. All previous expeditions, however, were eclipsed by the able report of Kinberg on the Annelids of the Swedish frigate "Eugenic,"<sup>6</sup> in which a thoroughly scientific grasp of this subject was taken, and the aid of a really skilful artist obtained in drawing the structural features of the animals. Unfortunately, but a fragment of the work is complete, the majority of the forms being only known by brief descriptions in the Öfversigt k. Vetensk.-Akad. Förhandl. Such a contribution marks an era in the list of voyages, and is equally creditable to Kinberg and his country.

Following close upon this publication is the treatise by Schmarda on the Turbellarians Rotifers and Annelids procured "Auf einer Reise um die Erde." The second volume is composed for the most part of an account of the marine Annelids, with nineteen brightly coloured plates (steel engravings) and many woodcuts, and both it and the former are referred to constantly in the subsequent Report on the Annelids collected by the Challenger. The work<sup>7</sup> forms a conspicuous landmark in the history of the subject, and though often failing in severe attention to structural details, bears evidence of much labour and perseverance.

The many voyages undertaken in our country previous to the Challenger Expedition had produced zoologically results of considerable value, though the scientific staff connected with their production both at home and abroad was often of a very limited description. We were, however, not in advance of other countries in this respect. This is boldly shown by the liberal subsidy by government which enabled the fine series of volumes (six of which were zoological) giving the results of the Austrian Novara Expedition to

<sup>1</sup> London, 1852.

<sup>2</sup> London, 1854.

<sup>3</sup> London, 1855.

<sup>4</sup> *Proc. Acad. Nat. Sci. Philad.*, 1855, &c.

<sup>5</sup> *Vidensk. Meddel. f. d. nat. Foren.*, 1856-58.

<sup>6</sup> *Kongliga svenska Fregatten Eugenie's Resa omkring jorden, &c.*, Stockholm, 1858.

<sup>7</sup> *Zweite Heft*, Leipzig, 1861.