

any large proportion of these lists in the form of a general synopsis. The Distribution Tables given at the end of the volume are intended chiefly to illustrate the Foraminiferal fauna of the various classes of oceanic deposits—a point concerning which scarcely anything has hitherto been written. The first Table affords a comparative view of the Foraminifera of all the better known deposits, whilst the second and third refer particularly to the two most important and most widely diffused, namely, Globigerina Ooze and Red Clay. To these have been added a Table of the Foraminifera inhabiting shallow water in high latitudes, north and south.

Beyond this general statement as to the scope of the Report, but little is needed by way of introduction. There are, however, certain matters of general interest to which attention has been directed during the investigations connected with it—such, for example, as the relation of the surface-fauna to that of the sea-bed, the chemical composition of the test in the various groups of Foraminifera, and one or two points relating to the morphology of the test—for which there is no very obvious place in the body of the memoir, and to these I propose to devote a few preliminary observations.

But before proceeding further I have a pleasant duty to perform, and that is to express my thanks to many of my fellow-labourers in the same field of research, for the assistance which they have been ever ready to extend to me during the progress of the work, and of which I have so often been glad to avail myself. To my old friends and colleagues Professors W. K. Parker and T. Rupert Jones I am beholden for notes and suggestions too numerous to particularize; and to Prof. Rupert Jones, in addition, for his efficient help in the revision of the proof-sheets. To Dr. Carpenter I am indebted for the use of the fine collection of arenaceous Foraminifera obtained on the "Porcupine" Expedition; and to the kindness of the Rev. Dr. Norman I owe a considerable part of my supply of dredged material from the same cruise, as well as the loan of many mounted specimens from other sources. I am glad also to have the opportunity of acknowledging the friendly assistance rendered by Dr. Karrer of Vienna, especially in matters pertaining to the Bibliography. There are many others from whom I have received valuable aid in connection with particular portions of the Report, due recognition of which will be found in subsequent pages. Amongst those to whom I am thus indebted are Prof. Seguenza, of Messina; Dr. Schwager, of Munich; M. Schlumberger, of Paris; Mr. H. J. Carter, F.R.S., of Budleigh Salterton; Mr. David Robertson, F.G.S., of Glasgow; Mr. Joseph Wright, F.G.S., of Belfast; Mr. J. D. Siddall, of Chester; Mr. F. W. Millett, of Marazion; Mr. J. T. Dunn, M.Sc., of Newcastle-on-Tyne; and Dr. C. R. A. Wright, F.R.S., of London. My thanks are due, and in no stinted measure, to Mr. A. T. Hollick, for the care and pains which he has bestowed upon the accompanying plates. With a very few exceptions the figures were originally drawn in more or less detail by myself; but in the transfer to stone the whole have been re-drawn by