

chalk element is of no more importance than is the original British element in our own English people."

Mr. Prestwich thus fully admits the high probability of the 'continuity' for which we contend. The last question which he raises in the sentence quoted is one of enormous difficulty, which we have as yet no data to solve. It is perhaps not very much harder, however, after all, than the problem in ethnology which he has selected as an illustration.

Several other very important questions bearing upon the conditions of the ocean at great depths, occupied the attention of the naturalists in scientific charge of the dredging cruises of the 'Lightning' and 'Porcupine.' An assistant versed in the methods of chemical and physical research accompanied the vessel on each occasion. A son of Dr. Carpenter, Mr. William Lant Carpenter, B.A., B.Sc., went on the first cruise with Mr. Jeffreys. Mr. John Hunter, F.C.S., a promising young chemist, since deceased, accompanied me to the Bay of Biscay, and Mr. Herbert Carpenter, a younger son of my colleague, was our companion during the third long cruise in the Færoe channel.

The specific gravity of the water was taken at each station, and in the serial soundings the water-bottle was let down to the intermediate depths and the water carefully tested. The differences observed were very slight, but they were as a rule confirmatory of Professor Forschammer's opinion that Arctic water contains less salt than the sea-water of temperate and intertropical regions.

As I have already mentioned (page 46), organic matter in appreciable quantity was detected by the