

whose strata still occur in the order in which they were first laid down. We find, however, in Banff and Aberdeenshires, and more partially in Caithness, remains of the Cretaceous system, occurring in some localities in the character of re-formations. A deposit at Moreseat, near Cruden, elaborately described by Mr. William Ferguson, late of Glasgow, seems to be almost exclusively a re-formation of the Greensand; and on the Hill of Dudwick, near Ellon, there are vast accumulations of flints, in which the Rev. Mr. Longmuir of Aberdeen, who has carefully explored the locality, detected many of the characteristic Cretaceous fossils furnished by the chalk of England. I have examined beds of gravel a few miles to the south of Peterhead, in which there occurs merely a per centage, though a not inconsiderable one, of these chalk flints; but I have been informed by our ingenious corresponding member, Mr. Peach, with whom I saw several of the Cretaceous organisms of the locality, that, had I set myself to examine in a different direction, more to the north and west, I would have found thick gravel beds composed of chalk flints almost exclusively. The best collections yet made of the organisms of this denuded system, of which only the broken fragments survive, are those of Mr. Longmuir, representative of the Scottish Chalk, and of Mr. Ferguson, representative of the Scottish Greensand. Both are inadequately represented in my collection; and what it possesses I owe chiefly to the kindness of Mr. Longmuir, and to that of Mr. Dick, the original discoverer of the Chalk in Caithness, where it occurs, however, merely in detached fragments in the boulder clay. Much need not be expected from the organic remains of a deposit so broken and scattered. I have seen in its flints, however, finer and more delicately preserved specimens of a *Flustra*, that not a little resembles our existing *Flustra foliacea*, than any I have yet succeeded in detecting in those of England; and the group, however frag-