

would give a very good red sandstone. Many ages of subaerial decomposition of rocks like these, followed by rapid denudation, would give red sandstone rocks like those which appear in so many geological periods.

Among these ancient rocks, there appear beds of white, red and dark gray clay. In the latter there are numerous trunks of trees converted into lignite, and layers of nodules of carbonate of iron, which are extracted in large quantities as an ore of the metal. It appears that in the lower beds of this formation well preserved trunks of Cycads are found, and the whole are regarded by Mr. Tyson as possible representatives of the Wealden. In one of the fossil trunks I observed a portion of charcoal perfectly representing the mineral charcoal which occurs under similar conditions in the coal formation; and in this comparatively modern formation, deposited probably in a lagoon or estuary, the conditions of deposition of the clay-ironstones of the coal-measures are perfectly reproduced.

The Peabody Institute at Baltimore is a remarkable monument of the generosity of a man celebrated for his princely munificence. Mr. Peabody resided for some time in Baltimore, and, as an evidence of his regard for its welfare, he has presented to it the sum of one million of dollars, for the establishment of an Institute, the primary objects of which are stated to be—1st, an extensive library; 2nd, the delivery of lectures in science and literature, and in connection with this the provision of prizes and medals for competition in the high schools in the city; 3rd, an Academy of Music, and 4th, a Gallery of Art. In pursuance of these objects a plain but substantial and commodious building of white marble has been erected, and a library of the greatest possible excellence is rapidly being accumulated, while progress is being made in all the other objects contemplated. The Institute is already, in its Library, Lectures and Academy of Music, an inestimable boon to the city, and must speedily have a marked effect on the interests of literature and science. A museum is not at present contemplated; but if not otherwise provided for, it would be a worthy object to attempt, in such an institute, a representation at least of the geology and natural history of the State, which might do much to promote the development of its resources, as well as the education of its young men. The Provost, Mr. Morrison, is evidently earnest and enthusiastic in the good work in which he is employed, and the Librarian, Mr. Uhler, from his knowledg ef