

In the same paper, discussing the distribution of fifteen well-known forms, most of which come from Court House Landing, Cape Fear River, he says: "Of these, seven were originally described from Greenland, seven from the Dakota group of the West, and seven from the Raritan formation of New Jersey. Four species have a European distribution, * * *." The European species all occur in the Cenomanian, and one of these also ranges up into the Senonian.

In 1907, Earle Sloan²⁹ introduced the name "Burches Ferry marls," using it for essentially the same terrane as that to which Ruffin had in 1843 applied the name Peedee.

Three new "Bladen" forms were described by Berry in 1908. Two of these belong to the genus *Araucaria*,³⁰ namely, *Araucaria bladenensis* and *Araucaria jeffreyi*. Of the former he says:

It is preëminently the type fossil of the Bladen formation of North Carolina, single leaves or even fragments being quite characteristic and easy of recognition.

Concerning the correlation of the beds in which these remains were collected, he says:

The New Jersey material comes from beds of the Magothy formation, very probably of Cenomanian age. The Carolina forms are from beds which differ in age but slightly, if at all, from those of New Jersey, although they may be somewhat older, possibly synchronous with the Raritan formation of New Jersey and the Tuscaloosa formation of Alabama, the question of exact correlation being under active investigation at the present time.

The third³¹ is a species of *Torreya*, namely, *Tumion carolinianum*.

An abstract of a paper read before the Geological Society of Washington by L. W. Stephenson appeared in 1909.³² The Cretaceous is divided into three formations; the oldest, the "Cape Fear" formation, is referred to the Lower Cretaceous; the "Bladen" formation which overlies the "Cape Fear" formation unconformably, and the third or upper division formerly designated the "Ripley" formation by the same author, which overlies the "Bladen" formation conformably, are referred to the Upper Cretaceous. On account of uncertainty which has arisen regarding the exact meaning of the term Ripley as employed in the Gulf region, the author suggests that the name "Burches Ferry"

²⁹Handbook of South Carolina, issued by the State Department of Agriculture, Commerce and Immigration, Columbia, S. C., 1907. Chapter 5, Geology and Mineral Resources, pp. 77-145 (especially pp. 85-88).

³⁰Torrey Bot. Club, Bull., vol. 35, No. 5, 1908, pp. 249-260, pls. 11-16.

³¹Am. Jour. Sci., vol. 25, 1908, pp. 382-386.

³²Science, n. s., vol. 30, 1909, pp. 124-125.