

Johnson at the pier of the Norfolk Southern Railway at Oriental, Pamlico County. (See Plate XXVI, A, opposite p. 286.)

Plant remains from beds supposed to be from this formation are known at two localities. One of these is on Roanoke River, 8 miles above Williamston in Bertie County. The species found there have been listed by E. W. Berry.¹ The section is given in detail as follows:

SECTION, ROANOKE RIVER, OLD MILL LANDING, 8 MILES ABOVE WILLIAMSTON,
LEFT BANK.

Pleistocene (Pamlico formation):		FEET. INCHES.	
Surface loam grading down into gray and buff sand, containing small pebbles as large as peas, interstratified with argillaceous layers	10		
Layer of fine gravel.....	...	8-10	
Concealed	3	6	
Layer of fine gravel.....	1		
Cross-bedded, gray and yellow sand.....	1		
Bed of orange-colored gravel with sand matrix slightly indurated, the pebbles not exceeding 2 inches in diameter.....	...	6	
Gray and orange, sandy, arenaceous clay, grading down into tough, drab clay.....	5		
Dark, micaceous clay, containing plant remains, the following of which have been identified: <i>Taxodium distichum</i> (Linné) Rich; <i>Betula nigra</i> Linné; <i>Nyssa biflora</i> Walt., and <i>Vaccinium corymbosum</i> Linné.....	0-1		

The other locality is on Neuse River 10 or 12 miles below New Bern, on the southwest bank, where Prof. J. A. Holmes² has described the occurrence of buried cypress stumps (*Taxodium distichum* (Linné) Rich.) in Quaternary deposits.

The localities previously referred to where marine Pleistocene fossils have been collected will be mentioned briefly here, since they occur geographically within the area covered by the Pamlico formation. It is possible, however, that some or all of them underlie the Pamlico beds unconformably, in which case they should be regarded as representing one of the older divisions of the Pleistocene.

At Old Fort Fisher, near the southern extremity of New Hanover County, a bed of coquina rock consisting almost entirely of fragments of shells, with a few nearly perfect ones, is exposed along the beach. From this Dr. T. Wayland Vaughan has collected and determined the following Pleistocene forms: *Fulgur carica*, *Ostrea virginica*, *Venus mercenaria*, *Rangia cuneata*. (See Plate XXVII, A.)

From a similar Pleistocene coquina bed 1 mile southeast of Carolina Beach wharf in southern New Hanover County, Dr. Vaughan also col-

¹Jour. of Geol., vol. 15, 1907, pp. 338-349.

²Elisha Mitchell Sci. Soc., Jour., 1884-85, pp. 92-93, 1885.