

water deposition at levels 120 feet apart were presumably contemporaneous and made in the presence of ice-constrained waters above the level of the sea.

*Kettle terraces of Sandlake and Poestenkill.* From 7 to 12 miles north and east of the Schodack deposits and at a much higher elevation, the topographic map in the towns of Sutton and Jennings shows contemporaneous glacial terraces developed along the course of the Wynant kill and Newfoundland creek. The surfaces of these deposits are at various levels from 520 to 720 feet. They clearly pertain to an earlier ice margin than that nearer the river at Schodack and are far above the water planes of the valley subsequent to the disappearance of the ice sheet over the region south of Albany; but no examination of them has been made in the survey on which this report is based.

Having followed now from Newburg to the vicinity of Albany a series of deposits contemporaneous with the retreating ice sheet or tongue in the Hudson valley it is necessary to note other deposits in the same portion of the valley but nearer the river or in a doubtful relation to the ice sheet. These notes are concerned with a few typical cases only.

*Arlington clay deposit near Poughkeepsie.* South and east of Poughkeepsie as noted by Ries there are clays which are worked at Arlington with their surface at or about the 180-foot contour line. The precise stage to which this deposit belongs has not been definitely determined, but its position and association with the intraglacial debris which covers the terrace of the Hudson from the lateral terrace delta at New Hamburg northward shows that it is at least as old as the occupation of the valley by the Newburg ice remnant, but it may be an earlier body of clays. That the clays do not belong to the Albany stage is quite evident from the general distribution of glacial deposits in the vicinity.

*Port Ewen deposits.* Port Ewen lies on the south side of the mouth of Rondout creek. The terrace deposits here have an elevation of 150 feet, consisting of boulder clay below with striated stones, the blue clays and sand at top. The underlying till is very stony and gravelly, and may be seen in the bank as high as 30 feet