

the river below (Fig 17), and this is named *Mount Enaud* (also spelled *Enault*) for one of the most prominent of the early settlers at the mouth of the river, mentioned by Cooney.

Below Indian Falls no more prominent mountains appear. The country becomes a flat plateau, sloping evenly and gradually eastward.

31.— ON HEIGHTS DETERMINED WITH ANEROID IN 1899.

(Read December 5th, 1899).

In the course of a canoe trip up the Tobique and down the Nepisiguit in August last, I made many measurements with a good aneroid. These were all taken contemporaneously with the readings made at Fredericton by Dr. Harrison for the meteorological service, and I wish to express my thanks to him both for adjusting my aneroid and also for a long series of readings used in computing results. I have since found that my aneroid tends to read a trifle low, especially on the greater heights; hence the following figures are to be taken as below, rather than above, the truth. Those marked with a star (*) have never before been measured. The heights are all above mean sea level at St. John. The position of all of the places, except the last in the list, may be seen upon the map accompanying Note 30.

Forks of Tobique (or Nietau). Mean of two measurements, 576 feet. Wightman gives (with an added correction explained earlier in Note 25) 575 feet for four miles below Nietau.

Surface of Nietor Lake. Mean of fourteen measurements, 837 feet. Chalmers made it 878, and Wightman (corrected) 877. Mean of the three, 864.

Sagamook (or Bald) Mountain. Mean of two measurements, 1633 feet above the lake. Chalmers gives 1659, and Wightman 1719. Mean of the three, 1670 above the lake, and 2534 above the sea.

*Mount Carleton. By direct measurement 112 feet higher than Sagamook, and hence 1782 above Nietor Lake, and 2646 above the sea.

*Mount Gordon, on Nietor Lake. 705 feet above Nietor Lake, and 1569 above the sea.

*Bank of Caribou Brook, half way across the Nietor-Nepisiguit Portage, 984 feet.

Surface of Nepisiguit Lake. Mean of five measurements, 1011 feet. Chalmers gives 996; mean of the two, 1003. Mr. Chalmers statement that this is the highest lake in New Brunswick, was of course made before the heights of the lakes on the south branch of Tobique, which are much higher, were measured. By direct measurement I made it 145 feet above Nietor Lake, *i. e.*, $864 + 145 = 1009$.