

water, and the rain falling on the 19th flowed off rapidly. Long Lake was raised 20 inches by the heavy storm of the 19th in about 24 hours. The water level was 25 inches above the spillway of the dam, while at Lower Chain Lake it overflowed the screen chambers and ran over the floor of the old gate house. Drains and culverts were destroyed, roads washed out and bridges carried away. Jubilee Road was excavated by the rush of water for a length of 100 yards, the road metal being carried away for a width of half the roadway and a depth of 6 ft. Heavy stones were deposited at the foot of the hill, while the lighter material went to sea. The main trunk sewer on the common was not only full to overflowing, but a torrent of water followed its course on the surface, sweeping through the gardens and down South Park Street, until it found an outlet at South Street.

The Meteorological Agent at Truro reports about 30 hours rain on the 18th and 19th October, the greatest on record with regard to duration. At Yarmouth and Sydney the rain fall was light.

September 10th-13th, Sydney reports no rain; Yarmouth and Truro comparatively light rains. July 31st, moderate rainfall at Sydney, Truro and Yarmouth.

Comparing the Halifax records by months we find :—

July, 1896,	8.729 ins.—	next—	July, 1884,	8.294 ins.
Sept., 1896,	12.092 “	“	Sept. 1876,	6.094 “
Oct., 1896,	15.039 “	“	Oct., 1875,	9.98 “

Mr. E. H. Keating, City Engineer, says in making his report on a design for the Halifax sewer system :—

“The heaviest rainfall in a short time, of which I have any information, occurred on the 19th June, 1872, when 0.183 of an inch fell in half an hour.”

He also reports a rainfall of 4.406 inches in 18 hours on the 10th October, 1875.

Our sewer system was designed to discharge a rainfall of 0.38 ins. per hour, together with the house sewage when running