straight line. The depth of the river decreases too gently and uniformly to show these more marked features often shown in tidal rivers.

VIII. Form of Tide Wave at St. John.

While the change of form referred to in the preceding is a well known feature in rivers, I do not know that attention has ever been called to the fact that the same thing may happen even in large bays like the Bay of Fundy. It occurred to me to examine carefully the tide record at St. John to see if low water

Table III.

Delay of Low Water at St. John.

Time from H.W. to L. W.	Time from L. W. to H.W.	Delay of L. W.	Time from H.W. to L.W.	Time from L.W. to H.W.	Delay of L. W.
hrs. min.	hrs. min.	min.	hrs. min.	hrs. min	min.
6 — 25	6 — 10	7.5	6 — 10	6 — 5	2.5
6 — 20	6 — 5	7.5	6 — 30	6 — 2	14.0
6 — 33	5 — 59	16.0	6 — 11	6 — 12	—0.5
6 — 10	6 — 0	5.0	6 — 22	6 — 3	9.5
6 — 13	6 — 9	2.0	6 — 30	6 — 0	15.0
6 — 33	5 — 57	18.0	6 — 15	6 — 0	7.5
6 — 25	5 — 55	15.0	5 — 16	6 — 6	5.0
6 — 33	5 — 53	20.0	6 — 18	6 — 2	8.0
6 — 15	6 — 0	7.5	6 — 23	6 — 5	9.0
6 — 18	6 — 0	9.0	6 — 23	6 — 0	11.5
6 — 24	6 — 3	10.5	6 — 22	6 — 5	8.5
6 — 18	6 — 10	4.0	6 — 30	5 — 58	16.0
6 — 13	6 — 7	3.0	6 — 30	6 — 10	10.0
6 — 18	6 — 12	3.0	6 — 25	6 — 2	11.5
6 — 8	6 — 7	0.5	6 — 28	6 — 17	5.5
6 — 13	6 — 20	3.5	6 — 18	6 — 10	4.0
6 — 22	6 — 10	6.0	6 — 20	6 — 2	9.0
6 — 18	6 — 10	4.0	6 — 13	6 — 5	4.0

Mean delay, 8 min.

falls exactly midway between two high waters. Table III gives the time from high water to low water and from low water to