

Depth in feet.	August 11, 1901 (R. M. Clark).	August 23, 1901 (R. M. Clark).	September 2, 1901 (R. M. Clark).	August 21, 1902 (Lake Survey).
	° Fahr.	° Fahr.	° Fahr.	° Fahr.
0	63·5	61·9	...	58·4
5	...	61·9	...	...
10	62·0	...	...	58·1
20	...	61·5	...	57·6
25	59·4	57·3	...	56·0
30	...	52·0	...	54·9
35	...	46·0	...	50·9
40	46·0	44·0	45·9	48·0
50	...	43·2	43·2	46·0
55	...	42·8	42·8	...
60	...	42·8	42·8	...
70	42·3	...	...	...
100	...	...	...	44·9

These serials indicate a most remarkable range of temperature—a range amounting to $21^{\circ}\cdot 2$ from the surface to a depth of 70 feet on August 11, 1901, and $19^{\circ}\cdot 1$ from the surface to a depth of 60 feet on August 23, 1901; the range observed in 1902 was much less, viz., $13^{\circ}\cdot 5$ from the surface to a depth of 100 feet. Down to a depth of 25 feet the readings were higher in 1901 than in 1902, but beyond that depth the temperature was lower in 1901 than in 1902. The greatest fall of temperature was observed between the depths of 25 and 40 feet in both seasons, but the decrease of temperature within this interval of 15 feet amounted in 1901 to $13^{\circ}\cdot 3$ and $13^{\circ}\cdot 4$, while in 1902 it amounted only to 8° . The only observations that may be compared, as regards range of temperature, with these in Loch Achilty, were taken in Loch Monzievaird* in the Tay basin on June 8, 1903, when the range amounted to $20^{\circ}\cdot 6$ from the surface to a depth of 36 feet, and when a fall of temperature equal to $1^{\circ}\cdot 5$ per foot of depth was observed between 5 and 15 feet. The temperature conditions observed in Loch Achilty (as well as in Loch Monzievaird) may probably be ascribed to—(1) the comparatively great depth, (2) the comparatively small drainage area, and (3) the sheltered position, the thickly wooded shores tending to temper the force of the winds blowing across the surface of the water. Mention may here be made also of the large range of temperature observed in the little Loch Dubh† in the nan Uamh basin on July 12, 1902, when the range amounted to $15\frac{1}{2}^{\circ}$ from the surface to a depth of 100 feet; it is possible that under favourable weather conditions, and later in the season, the range of temperature in the waters of Loch Dubh may equal that observed in Loch Achilty

* See p. 120.

† See p. 255.