

The following table gives the approximate areas between the contour-lines laid down at intervals of 100 feet, with the percentages to the total area of the loch, and shows a gradually decreasing area with increasing depth:—

0 to 100 feet	1412 acres	35·3 per cent.
100 „ 200 „	1257 „	31·5 „
200 „ 300 „	1073 „	26·9 „
Over 300 „	253 „	6·3 „
	<u>3995</u> „	<u>100 0</u> „

Through the kindness of Mr. Thomas Honeyman, factor to Cameron of Lochiel, we have inspected a bathymetrical chart of Loch Arkaig, based upon soundings taken in 1889 by an officer in the German army named Sandler. The chart is drawn to the scale of $1\frac{3}{4}$ inches to the mile, and the soundings are given in fathoms. A comparison of Sandler's map with the Lake Survey map shows that—(1) Sandler's soundings are much less numerous than those taken by the Lake Survey, and many of his lines were taken in zigzag fashion instead of running at right angles to the axis of the loch; (2) though there is a general agreement between the two maps, the Lake Survey map shows as a rule rather deeper water, position for position; for instance, taking the deepest sounding on each of Sandler's lines, and placing it approximately on the Lake Survey map, deeper soundings occur in the vicinity; thus Sandler's deepest sounding in 55 fathoms (330 feet) approximates to the Lake Survey maximum in 359 feet.

Temperature Observations.—The surface temperature in the centre of the loch varied from $48^{\circ}\cdot3$ Fahr. to $51^{\circ}\cdot5$ during the three days of the survey; near shore it reached $52^{\circ}\cdot3$ on June 13. A series taken in the main basin on June 11 showed a range of $4^{\circ}\cdot7$ from the surface to 280 feet, the greatest variation being observed in the superficial layers of water, as shown in the accompanying table:—

Surface	49°·4 Fahr.
10 feet	48° 9 „
25 „	47°·5 „
50 „	46°·5 „
100 „	45° 5 „
150 „	45°·0 „
200 „	44°·9 „
250 „	44°·7 „
280 „	44° 7 „

Loch Pattack (see Plate LXXXIX.).—Loch Pattack (or Pattaig) lies at a considerable elevation among the mountains which separate Loch Ericht from Loch Laggan. It is only about 2 miles distant from Loch Ericht, though it belongs to a different drainage system, draining by