

Temperature Observations.—Temperatures were taken in the deepest part of the loch, with the following results:—

Surface	..	.	..	..	...	...	60°·0 Fahr.
5 feet	..	..	...	..	...	...	60°·0 ,,
10 ,,	.	...	..	..	...	.	56°·5 ,,

Loch Kennard (see Plate XXVI.).—Loch Kennard, a good fishing loch abounding with small trout, is situated in Strathtay, and flows into the river Bran by the Ballinloan burn. Its shores are nearly all wooded, and where not planted with trees the low hills are covered with heather. It is peculiar in outline, somewhat resembling that of a young mushroom, the stem pointing west and the apex of the crown pointing north-east. It is over two-thirds of a mile in length, and over one-third of a mile in maximum breadth, the mean breadth being over one-sixth of a mile, or 26 per cent. of the length. Its waters cover an area of about 77 acres, or nearly one-eighth of a square mile, and it drains an area seven times greater, or nearly nine-tenths of a square mile. Nearly 50 soundings were taken, the maximum depth observed being 72 feet. The volume of water is estimated at 108,439,000 cubic feet, and the mean depth at $32\frac{1}{4}$ feet, or 45 per cent. of the maximum depth. The length of the loch is 50 times the maximum depth and 111 times the mean depth. Loch Kennard forms a simple basin, with here and there minor undulations of the bottom. The deepest water (72 feet) is found in the centre of the widest part of the loch, to the east of the constriction in its outline; in the middle of this constriction a depth of 70 feet was found, but immediately to the west the bottom rises to 50 feet beneath the surface, and falls again further west to a depth of 63 feet. The 25-foot basin is half a mile in length and over a quarter of a mile in maximum width, while the 50-foot basin is over one-third of a mile in length. The area of the lake-floor covered by less than 25 feet of water is nearly 30 acres, or 38 per cent. of the entire area of the loch; that covered by water between 25 and 50 feet in depth is about 33 acres, or 43 per cent.; while that covered by more than 50 feet of water is over 14 acres, or 19 per cent. of the total area of the loch. These figures show that the average slope is steeper between the shore and the 25-foot contour-line than between the 25-foot and 50-foot contours. Loch Kennard was surveyed on May 29, 1903, the elevation of the surface of the water above the sea was not determined.

Temperature Observations.—Temperatures were taken in the deepest part of the loch, with the following results.—

Surface	.	.	..	.	.	..	56°·7 Fahr.
5 feet	.	.	..	.	.	..	51° 0 ,,
10 ,,	.	.	..	.	.	.	48° 3 ,,
25 ,,	.	.	..	.	.	.	46° 0 ,,
50 ,,	.	.	..	.	.	..	45°·5 ,,
72 ,,	.	.	..	.	..	...	45° 3 ,