

sounding in 104 feet was taken about 120 feet from shore; a little farther east another sounding in 50 feet was taken about 50 feet from shore; still farther east a sounding in 148 feet was taken about 120 feet from shore; and still farther east a sounding in 87 feet about 60 feet from shore. The last-mentioned sounding, which gives a slope of 29 in 20, was taken on the cross-line immediately to the east of the deepest sounding, and the steepest gradient observed off the northern shore was at the opposite end of the same line, where a sounding in 54 feet was taken at about 60 feet from shore. The cross-section C-D on the map is taken at the position of the deepest sounding, and shows a gentle offshore slope, succeeded by a steeper slope on proceeding into deep water, the deeper part of the loch being of a flat-bottomed character. The area enclosed by the 50-foot contour is nearly  $3\frac{1}{2}$  miles in length, being distant from the west end nearly three-quarters of a mile, and extending into the narrow part at the east end off Creag Ghràda; in the expansion of the out-flowing river, opposite Creag Dubh, a depth of 64 feet was observed. The 100-foot basin is 3 miles, the 150-foot basin  $2\frac{1}{2}$  miles, and the 200-foot basin over one mile, in length. The approximate areas between the consecutive contour-lines drawn in at equal intervals, and the percentages to the total area of the loch, are given in the following table, from which it will be noticed that the area of the zone between 150 and 200 feet is larger than that of the two preceding shallower zones:—

0 to 50 feet	293 acres	39 per cent.
50 „ 100 „	134 „	18 „
100 „ 150 „	99 „	13 „
150 „ 200 „	138 „	18 „
Over 200 „	86 „	12 „
	<u>750</u> „	<u>100</u> „

*Temperature Observations.*—The following series of temperatures, taken in the deepest part of the loch at 4 p.m. on the date of the survey, shows that the whole body of water varied little in temperature, being, in fact, uniform in temperature down to 100 feet, the extreme range amounting to only  $1^{\circ}2$  Fahr.

Surface ... ..	49°·5 Fahr.
10 feet ... ..	49°·5 „
25 „ ... ..	49°·5 „
50 „ ... ..	49°·5 „
100 „ ... ..	49°·4 „
150 „ ... ..	49°·0 „
170 „ ... ..	48°·5 „
200 „ ... ..	48°·3 „

*Loch a' Mhuilinn* (see Plate LXXXII).—Loch a' Mhuilinn (or Moilie) is a small irregular loch lying about 5 miles to the east of Loch