based upon the mean height, which gave a total annual rainfall of 14,857,124,000 cubic feet.

Applying the same method to the entire catchment-basin flowing out of Loch Lubnaig, we arrive at the following result :—

									Cubic feet.
Levels of lochs to	500 feet,	6 82	square miles	×	74·6	inches	=	1,181,982,000
500 ,,	750 ,,	7·15	,,	×	77·9	,,	=	1,293,991,000
750 ,,	1000 ,,	9 05	,,	×	82 7	,,	=	1,738,769,000
1000 ,,	1250 ,,	9·70	,,	×	87·4	,,	=	1,969,568,000
1250 ,,	1500 ,,	9·89	,,	×	92·2	,,	=	2,118,434,000
1500 ,,	1750 ,,	9·43	,,	×	97·0	,,	=	2,125,060,000
1750 ,,	2000 ,,	8 06	,,	×	101·7	,,	=	1,904,337,000
2000 ,,	2250 ,,	6·64	,,	×	106·5	,,	=	1,642,879,000
2250 ,,	2500 ,,	3 30	,,	×	111·3	,,	=	879,148,000
2500 ,,	2750 ,,	1·88	,,	×	116·1	,,	=	507,081,000
2750 ,,	3000 ,,	1·02	,,	×	120·8	,,	=	286,256,000
Over 3000 ,,		0·35	,,	×	126·6	,.	=	102,941,000

Total 15,750,446,000

Here, again, there is a close agreement between the result obtained by this method and that calculated from the mean height, which gave a total annual rainfall of 15,600,760,000 cubic feet.

A third method of estimating the amount of rain falling on any particular region is afforded by drawing lines of equal rainfall, measuring the areas between the lines, and multiplying by the mean annual rainfall. Where the lines are based upon sufficiently numerous records of rainfall at various heights, this method should give excellent results; but in the cases under discussion the number of observing stations is small, and the majority of the rain-gauges are situated on the low-lying grounds, only two being placed at heights exceeding 1000 feet, both at 1800 feet: therefore the figures obtained in these cases are most probably below the truth. Nevertheless, we have attempted to lay down the lines of equal rainfall from the available records, as shown on the accompanying rainfall map (see Plate III.). The areas enclosed by the lines of rainfall have been measured with the planimeter, and the rainfall calculated for the Loch Vennachar catchment-basin, with the following results ·—

									Cubic feet.
50 to	60 inches,	12 35	square miles	×	55	inches	=	1,578,040 000
60 ,,	70 ,,	28 97	,,	×	65	,,	=	4,374,714,000
70 ,,	80 ,,	18 93	,,	×	75	,,	=	3,298 372,000
80 ,,	90 ,,	8 55	,,	×	85	,,	=	1,688,400,000
90 ,,	100 ,,	4·21	,	×	95	,,	=	929,166,000
100 ,,	110 ,	2 28	,,	×	105	,,	=	556,175,000

Total . . . 12,424,867 000

In like manner, the rainfall has been calculated for the Loch Lubnaig catchment-basin, with the following results —