

approximation to the total amount of rain falling annually on the drainage areas of the lochs draining into the river Teith, although the available records are far from sufficient for the purpose. Dr. Alexander Buchan, F.R.S., has kindly supplied us with information regarding the readings of the rain-gauges at observing stations within, and in the vicinity of, the catchment-basins of these lochs. The positions of these rainfall stations, and the mean annual rainfall, are shown on one of the accompanying maps (see Plate III.), and further particulars will be found in the following table:—

Station.	Height of rain-gauge above sea-level.	Years observed.	Mean annual rainfall in inches.
	Feet.		
Ardlui	50	1865-70	115·10
Firkin	100	1866-79	98·38
Arrochar	15	1864-98	81·31
Head of Duchray	1800	1854-98	84·27
Glengyle	380	1854-98	92·25
Top of hill, Loch Katrine tunnel	830	1861-98	77·95
Brig o' Turk	270	1854-98	64·47
Loch Drunkie	420	1861-98	63·62
Loch Vennachar	275	1861-98	57·31
Between Ben Ledi and Glen Finlas	1800	1854-98	53·68
The Gart	230	1872-98	54·47
Leny	345	1861-98	54·23
Blaircreach	460	1893-98	82·63
Stronvar	422	1860-98	75·49
Lochearnhead	320	1866-84	65·50
Tyndrum	792	1858-61, 72-3, 76-7	99·10

Grouping these stations and their mean annual rainfall into those likely to represent the rainfall on the catchment-basin flowing out of Loch Vennachar, and those representing the rainfall on the catchment-basin flowing out of Loch Lubnaig, we arrive at an average rainfall of 76·25 inches for the Loch Lubnaig catchment, the mean height of the rain-gauges being 538 feet above the level of the sea, and an average rainfall of 75·37 inches for the Loch Vennachar catchment, the mean height of the gauges being 528 feet.

The entire catchment-basin flowing out of Loch Vennachar (*i.e.* the combined drainage-areas of Lochs Katrine, Achray, Drunkie, and Vennachar) is about 75·29 square miles, and the mean height calculated from the bulk of land above the level of the lochs is about 704·185 feet; the mean height of the surfaces of these four lochs above sea-level is 331½ feet, so that the mean height above the sea of the entire catchment is about 1035·685 feet. The entire catchment-basin flowing out of Loch Lubnaig (*i.e.* the combined drainage-areas of Lochs Voil, Doine, and Lubnaig) is about 73·39 square miles, and the mean height above the level of the lochs is about 935·129 feet; the mean height of the surfaces