

that this is sage and wholesome advice, and the only question is, who is to sustain the expense? Not long ago, somewhere about the time that Dr Brown was prosecuting his labours, it will be remembered that General Wynard said that "Nature had furnished the cups if only science would take the trouble to make them secure." It is but to repeat an oft-told story that with a good supply of water South Africa would be one of the finest of nature's gardens, and would be capable of producing two crops a year, in addition to furnishing fodder for sheep and cattle. The question of the water supply for irrigation and other purposes has been staved off year after year, and nothing has been done. It is not too much to say, however, that the question must make itself felt, as it is one of the chief factors in the ultimate prosperity of South Africa. The author is evidently in love with his subject, and has contributed a mass of facts to Hydrology which will be useful to all countries of an arid character.

XI.—Forests and Moisture; or Effects of Forests on Humidity of Climate. Price 10s.

In this are given details of phenomena of vegetation on which the meteorological effects of forests affecting the humidity of climate depend—of the effects of forests on the humidity of the atmosphere, and on the humidity of the ground, on marshes, on the moisture of a wide expanse of country, on the local rainfall, and on rivers—and of the correspondence between the distribution of the rainfall and of forests—the measure of correspondence between the distribution of the rainfall and that of forests—the distribution of the rainfall dependent on geographical position, or determined by the contour of a country—the distribution of forests affected by the distribution of the rainfall—and the local effects of forests on the distribution of the rainfall within the forest district.

EXTRACTS FROM PREFACE.—'This volume is one of a series. In the first of the series—a volume entitled—published last year, *Hydrology of South Africa; or, Details of the Former Hydrographic Condition of the Cape of Good Hope and of Causes of its recent Aridity, with Suggestions of appropriate Remedies for this Aridity.*

'This volume, on the effects of forests on the humidity of the atmosphere and the ground, follows supplying illustrations of the reasonableness of the suggestion made in regard to the conservation and extension of forests as a subordinate means of arresting and counteracting the desiccation and aridity of the country.'