

year. Fig. 1 shows the relation between the average monthly rainfall and the average monthly number of thunderstorms.<sup>1</sup>

#### AN INDEX OF METEOROLOGICAL ITEMS IN THE JESUIT RELATIONS.

By Rev. F. L. ODENBACH, S. J.

("The Jesuit Relations and Allied Documents," Burrows Brothers, Cleveland, Ohio, is a reprint, in about 73 volumes, of the accounts by the French Jesuit missionaries of their travels and explorations in Canada and the Northern and Northwestern States of the United States, from 1610 to 1791. The reprint includes both the original narrations and an English translation thereof. From the exhaustive general index Father Odenbach has culled all entries relating to the weather or meteorological phenomena.—*F. O. S.*)

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#### RECENT PAPERS BEARING ON METEOROLOGY.

Mr. H. H. KIMBALL, Librarian and Climatologist.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —.

*Nature*. London. Vol. 71.

Sutton, J. R. Sir J. Eliot's Address at Cambridge. [Precipitation in South Africa.] Pp. 6-7.

—Floods in the Mississippi. [Abstract of work of H. C. Frankenhield.] Pp. 10-11.

*Quarterly Journal of the Royal Meteorological Society*. London. Vol. 30.

Dallas, W. L. The variation of the population of India compared with the variation of rainfall in the decennium 1891-1901. Pp. 273-285.

Knight, Arthur. Dry haze at Singapore. [Note.] Pp. 285-286.

Russell, F. A. R. The principal causes of rain. Pp. 287-290.

<sup>1</sup> Such graphical representations have obvious advantages, but they are likely to be misleading to the student unless he is careful to find out in each case just how much the diagram includes and what it omits. The present diagram, for example, is based on monthly averages. We can not select a point midway between two months and say that this represents conditions on the 15th of the month, or on any other definite dates. The only points on these curves that have any significance are those that fall on the vertical lines. The intervening portions of the curve serve to guide the eye, and to indicate the correspondence between the change in the two elements considered.—*F. O. S.*