

SPECIAL PAPERS ON GENERAL METEOROLOGY.

ANNUAL SUMMARY AND INDEX FOR THE MONTHLY WEATHER REVIEW.

In harmony with the general plan of the changes which have already been made in the character and scope of the MONTHLY WEATHER REVIEW, it is announced that no Annual Summary will be issued for 1909.

The tabular matter which has heretofore been published in the Annual Summaries will in part now appear in the Annual Report of the Chief of the Weather Bureau, quarto edition.

The title-page and index to Volume 37 of the MONTHLY WEATHER REVIEW will be issued as a separate pamphlet uniform in style and contents with that of previous years. A copy of the title-page and index for 1909, Volume 37, will be mailed to each address on the lists of the REVIEW for December, 1909, and to such recipients of the June, 1909, issue as may request it.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Librarian.

The following have been selected from among the titles of books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be lent for a limited time to officials and employees who make application for them. Anonymous publications are indicated by a —.

Aristoteles.

Météorologie d'Aristote. Traduite en français . . . avec le petit traité apocryphe Du monde par J. Barthélemy Saint-Hilaire. Paris. 1863. xciv, 468 p. 8°.

Austria. K. k. hydrographisches Zentralbureau.

Der Wolkenbruch in der Umgebung von Horitz in Böhmen am 12. September 1909. Wien. 1910. 4 p. f°. (Sonderabdruck aus der "Oesterreichischen Wochenschrift für den öffentlichen Baudienst. Heft 2. Jahrgang 1910.)

Bouches-du-Rhone. Commission de météorologie.

Bulletin annuel. Année 1908. 27^{me} année. Marseille. 1909. x, 120 p. 4°.

Canada. Department of marine and fisheries.

Report of the meteorological service of Canada. . . 1906. Ottawa. 1909. xxi, 621 p. f°.

Casella & co., pub.

Anemometers, air meters & wind direction instruments. London. 1908. 32 p. 8°.

Meteorological instruments. London. 1908. 119 p. 8°.

Self-recording instruments (Richard's) for scientific, engineering, and industrial purposes. 1907. 52, xv p. 8°.

Grüner, P.

Dämmerungserscheinungen und Alpenglühfen, beobachtet in Bern im Jahre 1909. (Separat-Abdruck aus den Mitteilungen der naturforschenden Gesellschaft in Bern aus dem Jahre 1909.)

Jersey. Observatoire St. Louis.

Bulletin des observations météorologiques. 16^e année. 1909. Jersey. 1909-1910. [30] p. 4°.

Krakow. Observatorium.

Wyniki sprostozek meteorologicznych w Galicyi w roku 1908 zstawione w. c. k. Observatorium astronomicznem w Krakowie. [Krakow. 1909.] 82 p. 8°.

Merzifun (Asia Minor). Anatolia college.

Meteorological records. 1909. 1 sheet. 36 × 23 cm.

Mysore. Meteorological department.

Meteorology in Mysore. Bangalore. 1909. 56 p. f°.

Rotch, A. Lawrence.

The conquest of the air, or the advent of aerial navigation. New York. 1909. x, 192 p. 12°. (Present day primers.)

Rudel, —.

Die Witterung Nürnbergs 1908. Nürnberg. 1909. 37 p. 8°.

Same. 1909. Nürnberg. 1910. 37 p. 8°.

San Fernando. Instituto y observatorio de marina.

Anales . . . Sección 2. Observaciones meteorológicas, magnéticas y sísmicas. Año 1908. San Fernando. 1909. viii, 156 p. f°.

Stonyhurst college observatory.

Results of meteorological and magnetical observations. 1909. Liverpool. xv, 63 p. 12°.

Tams, E.

Die seismischen Registrierungen in Hamburg von 1. April 1908 bis zum 31. Dezember 1908. Hamburg. 1909. 33 p. 4°.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Librarian.

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 —.

Aircraft. New York. v. 1. March, 1910.

Rotch, A. Lawrence. The relation of wind to aerial navigation. p. 19-20.

— A. Lawrence Rotch. p. 23. [With portrait.]

— Dr. Octave Chanute. p. 23. [With portrait.]

American geographical society. Bulletin. New York. v. 42. January, 1910.

Watt, Andrew. The exploration of the upper air. p. 37-51. [Repr. Journal Seott. met. soc.]

Engineering news. New York. v. 63. 1910.

Harts, William W. The relation of forests to stream flow. p. 245. (Mar. 3.)

Moore, Willis L. The influence of forests on climate and on floods. p. 245-249. [Abstract.] (Mar. 3.)

— The forests and stream flow controversy continued. p. 252-253. (Mar. 3.)

Beardsley, R. C. Forests and stream flow. p. 255-256. (Mar. 3.)

Algué, José. Two severe storms in northern Luzon. p. 279-280. (Mar. 10.)

Geographical journal. London. v. 35. March, 1910.

Watkiss, Lloyd. Notes on Kordofan province. p. 249-267. [Climate, p. 257.]

Indian meteorological department. Memoirs. Simla. v. 18, pt. 4. 1909.

Eliot, Sir John. A discussion of the anemographic observations recorded at Roorkee from September, 1879, to August, 1904. p. 431-494.

Eliot, Sir John. A discussion of the anemographic observations recorded at Lahore from June, 1889, to May, 1905. p. 497-557.

Eliot, Sir John. A discussion of the anemographic observations recorded at Mussoree during the summer half-year (May to October) during the twelve-year period, 1877-1888. p. 559-613.

Nature. London. v. 82. February 10, 1910.

— The Paris floods. p. 434.

Royal meteorological society. Quarterly journal. London. v. 36. January, 1910.

Cave, Charles J. P. Methods employed for observing pilot balloons. p. 1-6. [Illustrated.]

— Dines's meteorograph for registering balloons. p. 6.

Marriott, William. Registering-balloon ascents at Gloucester, June 23 and 24, 1909. p. 7-15. [Illustrated.]

Brown, W. Piffe. Winter temperatures on mountain heights. p. 17-19.

Gold, Ernest. The semi-diurnal variation of rainfall. p. 21-24.

Shaw, William Napier. The variations of currents of air indicated by simultaneous records of the direction and velocity of the wind. p. 25-37.

Reed, William Gardner, jr. The study of phenomenal climatology. p. 39-48. [Discusses the cyclonic unit. Illustrated.]

Reed, William Gardner, jr. South American rainfall types. p. 49-59. [Illustrated.]

— Climate of Brazil. p. 59-62.

— Periodic changes in the seasonal positions and tracks of anti-cyclones. p. 65-67.

Royal society of Edinburgh. Transactions. Edinburgh. v. 47, pt. 1. 1909.

Mossman, Robert C[ockburn]. The meteorology of the Weddell quadrant and adjacent areas. p. 103-136. (no. 5.)

Mossman, R[obert] C[ockburn]. The monsoons of the Chilian littoral. [Preliminary note.] p. 137-141. (no. 6.)

Royal society. Philosophical transactions. London. ser. A. v. 208.

Schuster, Arthur. The diurnal variation of terrestrial magnetism. p. 163-204.

Science. New York. v. 31. March 11, 1910.

Palmer, Andrew H. Recent progress in meteorology and climatology. p. 390-394.

Scientific American supplement. New York. v. 69. 1910.

— Experiments with wireless weather signals from the north Atlantic. p. 153.

— New investigation of the rainbow. p. 187. (Mar. 19.)