

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZBUUGH 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. Anonymous publications are indicated by a —

- Baker, T. H.**
Records of the seasons, prices of agricultural produce, and phenomena observed in the British Isles. [720 B. C.—1883 A. D.]. London. n. d. vii, 360 p. 12°.
- Bjerknes, Vilhelm, & others.**
Dynamic meteorology and hydrography. [Pt. I.] Washington. 1910. v. p. 4°. (Carnegie institution of Washington. Pub. no. 88.)
- Buitenzorg, Institut botanique.**
Observations météorologiques. 1908. n. p. n. d. n. p. f°.
- Chamberlin, Rollin Thomas, & others.**
Notes on explosive mine gases and dusts, with special reference to explosions in . . . mines. Washington. 1909. 67 p. 8°. (U. S. Geological survey. Bull. 383.)
- Clarke, Frank Wigglesworth.**
Data of geochemistry. Washington. 1908. [1st ed.] 716 p. 8°. (U. S. Geological survey. Bull. 330.)
- Commission permanente internationale d'aéronautique.**
Procès-verbaux . . . IVème. Congrès internationale d'aéronautique, Nancy, 18-23 septembre 1909. Paris. 1909. 473 p. 8°.
- Connecticut. Storrs agricultural experiment station.**
Weather review. General weather review and temperature curves [for 1888 to 1909, incl.]. n. p. [1910.] 13 p. 8°. (Bulletin 64. September, 1910.)
- Cox, H[enry] Joseph.**
Frost and temperature conditions in the cranberry marshes of Wisconsin. Washington. 1910. 121 p. f°. (U. S. Weather bureau. Bull. T. W. B. no. 443.)
- Defant, A[ibert].**
Ergebnisse der Beobachtungen des niederösterreichischen Gewitterstationsnetzes in den Jahren 1902 bis 1905. Wien. 1910. 42 p. f°. (Austria. K. k. Zentral-Anstalt für Meteorologie . . . Jahrbuch 1908. Bd. 45. Anhang.)
- Farrell, F. D.**
Dry-land grains in the Great Basin, [Juab valley, Utah.] [Washington]. [1910]. 39 p. 8°. (U. S. Bureau plant industry. Circ. 61.)
- Fuller, P. E.**
Use of windmills in irrigation in the semiarid west. Washington. 1910. 44 p. 8°. (U. S. Office experiment stations. Farmer's bull. 394.)
- Great Britain. Advisory committee for aeronautics.**
Report . . . 1909-10. London. 1910. 191 p. 8°.
Interim report. . . . 1910-11. London. 1910. 30 p. 8°.
- Great Britain. Royal observatory, Greenwich.**
Magnetical and meteorological observations, 1908. London. 1909. 8, cxvii p. f°.
- Gulik, D. van.**
Leerboek der meteorologie. Groningen. 1910. 199 p. 8°.
- Japan. Central meteorological observatory, Tokio.**
Annual report. Pt. 2. Magnetic observations in 1907. Tokio. 1910. 48 p. 4°.
Codes of meteorological wireless telegrams. Tokio. n. d. 6 p. 8°.
- Kiel. Universität. Physikalisches Institut.**
Meteorologische Beobachtungen an schleswig-holsteinischen . . . Stationen, 1885-1908. [Kiel]. v. d. v. p. 8°.
- Maurer, Julius, & others.**
Das Klima der Schweiz. Bd. 2. Frauenfeld. 1910. iv, 217 p. f°.
- Moreux, Th.**
Introduction à la météorologie de l'avenir. Le soleil et la prévision du temps. Nouvelle édition revue et augmentée. Paris. 1910. 68 p. 12°.
Le problème solaire. . . . Préface de Camille Flammarion. Paris. 1900. xvi, 344 p. 8°.
- Queensland. Water-supply department.**
Report of the hydraulic engineer on water supply, 1910. n. p. n. d. 30 p. f°.
Results of rainfall observations made in Queensland . . . 1897 to . . . 1906, inclusive. Brisbane. 1909. 573 p. 8°.
- Rice, George S., & others.**
Explosibility of coal dust. Washington. 1910. 186 p. 8°. (U. S. Geological survey. Bull. 425.)
- São Paulo (Brazil). Seccão meteorologica.**
Dados climatologicos. 1908. São Paulo. 1910. 20 p. 8°.

- Scheiner, Christophorus.**
Refractiones cœlestes, sive solis elliptici phænomenon illustratum . . . Ingolstadii. 1617. 132 p. 8°.
- Stummer, Eduard.**
Niederschlag, Abfluss und Verdunstung im Marchgebiete. (Geogr. Jahresber. aus Oesterreich. Bd. 7. p. 1-36. Wien. 1909. 8°.)
- Sutton, J. E.**
Evaporation in a current of air. Part I. (Read July 21, 1909.) (Reprinted from Trans. Roy. Soc. So. Africa, 1910, 1: 417-427.)
Working value of the wind at East London [South Africa]. Cape Town. 1910. 3 p. 8°.
- Warsaw, Muzeum . . . Biuro meteorologiczne.**
Instrukcja dla Stacyj meteorologicznych łącznie z obserwacyami gruntowymi i plantacyjnemi ulozona przez . . . Polskiego. Warszawa. 1910. v, 62 p. 8°.
Compte rendu. 1909. Warsaw. 1910. 38 p. 8°.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZBUUGH 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. February, 1911.*
- Reber, S.** Altitude measurements and records. p. 421-424. [Describes measurements of altitudes in aviation. Illustrated.]
Unico scientific journal. Alexandria. v. 4. November, 1910.
- Petrie, W. M. Flinders.** Periodicity of famines. p. 278. [Author finds a period of 47.8 years in the occurrence of famines in Egypt in former times.]
Leslie's illustrated weekly. New York. v. 112. January 5, 1911.
- Curtis, John William.** A year's devastating drought. p. 6.
Nature. London. v. 85. 1911.
- Aviators and squalls. p. 322-323. (Jan. 5.) [Abstract of article by Durand-Gréville.]
- Louis, Henry.** Colliery warnings. p. 336-338. (Jan. 12.) [Criticizes the "colliery warnings" issued by the Press association; discusses relation of colliery disasters to the barometric pressure.]
London, Edinburgh, and Dublin philosophical magazine. London. 6 series. v. 21. January, 1911.
- Eve, A. S.** On the ionization of the atmosphere due to radioactive matter. p. 26-40.
Popular science monthly. New York. v. 28. January, 1911.
- Abbe, Cleveland.** The meteorology of the future. p. 21-35.
Royal society of South Africa. Transactions. Cape Town. 1910.
- Howard, A. G.** The rainfall of South Africa. The possibility of prediction over the southwest. p. 363-390. (v. 1, pt. 2.)
- Roberts, A. W.** A preliminary determination of the absorption of light by the earth's atmosphere. p. 1-7. (v. 2, pt. 1.)
Scientific American. New York. v. 104. 1911.
- Studies of the aurora. p. 10, 21. (Jan. 7.) [Describes Störmer's work in photographing auroras.]
- Perkins, Frank C.** A unique wind vane and electric indicator. p. 70. (Jan. 21.)
- Somerville, Albert Alexander.** A freak barometer. p. 71. (Jan. 21.)
Scientific American supplement. New York. v. 71. January 28, 1911.
- Fog scales. p. 59.
Terrestrial magnetism. Baltimore. v. 15. December, 1910.
- Schmidt, Adolf.** Proceedings of the Berlin meeting of the Commission on terrestrial magnetism and atmospheric electricity on the International meteorological committee. p. 181-192.
—The work of the Magnetic commission of the International meteorological committee, 1896-1910. [By L. A. Bauer.] p. 193-206. [In effect, a plan for an independent international organization on terrestrial magnetism.]
- Humphreys, W. J.** Simpson's theory on the electricity of rain. p. 216-218.
Western society of engineers. Journal. Chicago. v. 15. December, 1910.
- Balcomb, Jean Bart.** The design of storm water drains in a modern sewer system. p. 699-737. [Includes extensive data of excessive precipitation at Weather bureau stations in the Mississippi valley and middle west.]