

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

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 and seismological work and studies:

Alexander, William H.

What the United States Weather Bureau is doing in California. (*In* Cleveland engineering society. Journal. March, 1916. v. 8, p. 333-355.)

Beach, S. A., & Allen, F. W., jr.

Hardiness in the apple as correlated with structure and composition. Ames, Iowa. 1915. 2 p. l., 158-204 p. 22 cm. (Iowa agric. exper. station. Research bulletin no. 21.) [Comparison of varieties as to resistance to cold, p. 201-204.]

Belden, William S.

The climate of Brown County, Kansas. n. p. 1916. 20 p. 23 cm.

Birkinbine, Carl Peter.

Variations in precipitation as affecting water works engineering. [With discussions.] Philadelphia. [1916.] 103 p. 23½ cm. (*Reprint*: Journal of American water works association, v. 3, no. 1.)

Bouches-du-Rhône. Commission de météorologie.

Bulletin annuel. 1914, 33^e année. Marseille. 1915. v. p. 284 cm. [Contains "Documents relatifs au climat de Marseille," by Henry Bourguet], p. i-xxiv.]

Eredia, Filippo.

Sulla misurazione della rugiada. Firenze. 1915. 11 p. plate. 24½ cm. (*Estratto*: L'agricoltura coloniale, anno 9, num. 12, Dicembre 1915.)

Georgeson, C. C.

Information for prospective settlers in Alaska. Washington. 1916. 30 p. plates. 23½ cm. (Alaska agric. exper. station. Circular no. 1.) [Climate, p. 5-8.]

Great Britain. Meteorological committee.

Tenth annual report, for the year ended 31st March, 1915. London. 1915. 93 p. 24½ cm.

Hildebrandsson, H. H.

Sur le prétendu changement du climat Européen en temps historique. Upsala. 1915. 31 p. 3 pl. 29 cm. (Nova acta regiae societatis scientiarum Upsaliensis, ser. IV, v. 4, n. 5.)

International catalogue of scientific literature.

Twelfth annual issue. F. Meteorology. London. 1915. viii, 194 p. 21½ cm. (Published for the International council by the Royal society of London.)

Kodaikanal and Madras observatories.

Annual report of the director, 1915. Madras. 1916. 2 p. l., 24 p. 33½ cm.

Mysore. Meteorological department.

Report on rainfall registration in Mysore for 1914, by N. Venkatesa Iyengar. Bangalore. 1916. xvii, 49 p. plates. maps. 31 cm.

Ôsaka meteorological observatory.

Seismological observations in Ôsaka, 1915. Ôsaka. 1916. 30 p. plates. 26 cm. (Annual report, part II.)

Ruppel, S.

Gebäudeblitzschutz. (*In* Elektrotechnische Zeitschrift. Berlin. 5. Juni 1913. 34. Jahrg., p. 643-647.)

Satô, Shinzô.

On the diurnal variation of underground temperature. Sendai, Japan. 1916. 393-405 p. 4 pl. 26 cm. (*Reprint*: Science reports of the Tôhoku imperial university, vol. IV, no. 5.)

Straits Settlements.

Meteorological returns, 1915. Singapore. 1916. unpag. 33½ cm.

Tippenhauer, L. G.

Die elektromagnetische Theorie des Wetters. 3. Teil. Port-au-Prince. 1916. 23 p. plate. 29½ cm.

Turkestan. Hydrometric service.

Otchet, 1913. Petrograd. 1915. 6 v. 26½ cm. [Most of text is in Russian; table of contents and abstract of the report are also in French and English. Meteorology (English abstract), vol. 1, p. 170 fig. Report on meteorological observations (in Russian), by E. Oldekop, vol. 2, p. 217 fig. Register of meteorological observations, vol. 4, p. 295 fig.]

U. S. National advisory committee for aeronautics.

First annual report, 1915. Washington. 1916. plates. 25½ cm.

Valle di Pompei. Osservatorio Pio X.

Riassunto delle osservazioni meteorologiche, 1914. [Valle di Pompei. 1916.] 14 p. 2 tables. 24 cm.

Ware, Horace E.

Notes on the term Indian summer. Cambridge. 1916. p. 123-130. 24 cm. (*Reprint*: Publications of the Colonial society of Massachusetts, vol. 18.) [See this issue of the REVIEW, p. 207.]

Whipple, Robert S.

Instruments for the measurement of solar radiation. London. 63 p. 21½ cm. (Transactions of the Optical society, London, sess. 1914-1915.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

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 and other communications bearing on meteorology and 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.

Aeronautics. London. v. 10. May 3, 1916.

Diehl, Charles Vidal. Zeppelin weather fallacies. p. 288.

American society of civil engineers. Proceedings. New York. v. 42. May, 1916.

Duryea, Edwin, jr., & Haehl, H. L. A study of the depth of annual evaporation from Lake Conchos, Mexico. Discussion by M. Hegly, Robert E. Horton, and J. W. Ledoux. p. 787-796.

Chittenden, H. M., & Fuller, Myron L. Discussion on [the Progress report of the Special committee on] floods and flood prevention. p. 797-819.

Astrophysical journal. Chicago. v. 43. April, 1916.

Biscoe, Felix. The temperature and radiation of the sun. p. 197-216.

Engineering news. New York. v. 75. May 11, 1916.

Memphis flood protection. p. 890-894.

Indian meteorological department. Memoirs. Calcutta. v. 21. pt. 13. 1916.

Harrison, E. P. On the Calcutta standard barometer. p. 119-130. *Nature*. London. v. 97. 1916.

Shaw, William N[apier]. Illusions of the upper air. A review of progress in meteorological theory in England since 1866. p. 191-194; 210-213. (April 27, May 4.)

Royal meteorological society. Quarterly journal. London. v. 42. April, 1916.

Lyons, H[enry] G[eorge]. The winter climate of the eastern Mediterranean. p. 65-84.

Mr. J. B. Jordan. p. 84. [Obituary.]

Brooks, C. E. P. The rainfall of Nigeria and the Gold Coast. p. 85-106.

Sutton, J[ohn] R[ichard]. South African coast temperature. p. 107-111.

Science abstracts. London. v. 19. April 25, 1916.

Everdingen, E. van. Propagation of sound in the atmosphere. 162-163. [Abstr. Proc. K. Acad., Amsterdam.] [See Monthly Weather Review, May, 1916.]

Oddo, G[iuseppe]. Spontaneous ionisation of the aqueous vapour of the atmosphere. p. 164. [Abstr. from Gazz. Soc. chim. Ital.] [See Monthly Weather Review, May, 1916.]

Scientific American. New York. v. 114. May 20, 1916.

Abbe, Cleveland. How the United States weather bureau was started. p. 529. [See this REVIEW, p. 206.]

Scientific American supplement. New York. v. 81. May 13, 1916.

Dodwell, G. F. Note on the transparency of the atmosphere in central Australia. p. 311.

Measuring snowfall. p. 317. [Abstract of article by Mougin.]

- Geological society of America. Bulletin. Stanford University. v. 6. March, 1916.*
- Palmer, Andrew H.** California earthquakes during 1915. p. 8-25.
- Brasch, Frederick E.** An earthquake in New England during the colonial period. p. 27-42.
- Report of scientific committee on the Rossi-Forel scale.** p. 43-45.
- Symons's meteorological magazine. London. v. 51. April, 1916.*
- Bonacina, L. C. W.** The great snowstorms of 1916. p. 37-40.
- The hurricane in Jamaica, August 12th and 13th, 1915.** p. 43.
- U. S. Department of agriculture. Journal of agricultural research. Washington. v. 6. May 15, 1916.*
- Willaman, J. J., & West, R. M.** Effect of climatic factors on the hydrocyanic-acid content of sorghum. p. 261-272.
- Académie des sciences. Comptes rendus. Paris. Tome 162. 25 avril 1916.*
- Bigourdan, G.** Distribution mensuelle de la nébulosité moyenne en France. p. 620-623. [With charts of monthly and yearly isonephs.]
- Mathias, E.** Sur trois observations d'éclairs en boule faites au sommet du Puy-de-Dôme. p. 642-643.
- Aérophile. Paris. 24 année. 1-15 février 1916.*
- Autarès, Jean H.** La navigation aérienne et la météorologie. p. 36-38.
- Bouches-du-Rhône. Commission de météorologie. Bulletin annuel. 33 année. 1914.*
- [Bourget, Henry.]** Documents relatifs au climat de Marseille. p. i-xxiv.
- Borrelly, Alphonse.** Résumé des observations pluviométriques faites dans le département des Bouches-du-Rhône de 1882 à 1913. p. xxv-xxviii.
- Bourget, Henry.** Description du sismographe de l'observatoire de Marseille. p. xxix-xl.
- Zeitschrift für Gletscherkunde. Leipzig. Band 10. Februar 1916.*
- Klute, F[ritz].** Büsserschneebeobachtung im Schwarzwald. p. 56-59.
- Hemel en dampkring. Den Haag. 13 jaargang. Maart 1916.*
- Stok, J. P. van der.** Het klimaat van Nederlandsch-Indië. p. 169-172.
- Società degli spettroscopisti italiani. Memorie. Catania. v. 5. Marzo 1916.*
- Platania, Giovanni.** Osservazioni dei punti neutri della polarizzazione atmosferica eseguite in Catania nel 1915. p. 52-56.