

## SECTION V.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

By C. FITZUGH 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 work and studies.

- Carpenter, Ford Ashman.**  
Clouds of California. Los Angeles, Cal. 1914. 18 p. 4 pl. 12°. [May-day address, Occidental college.]
- Colombo observatory.**  
Report on the Colombo observatory and the meteorology of Ceylon, 1913. [Colombo. 1914.] 11, N 43 p. plates. f°.
- Denmark. Meteorologiske Institut.**  
Meteorologisk Aarboeg for 1911. Anden Del: Færøerne, Island, Grønland og St. Croix. [Danish and French text.] Kjøbenhavn. 1914. 112 p. f°.  
Meteorologisk Aarboeg for 1912. Anden Del: Færøerne, Island, Grønland og St. Croix. [Danish and French text.] Kjøbenhavn. 1914. 116 p. f°.
- Eckardt, Wilhelm R.**  
Wetter, Klima, Reisen. M. Gladbach. 1913. 86 p. 24°. (Soziale Studienfahrten, herausg. v. Sekretariat sozialer Studentenarbeit, 8. Band.)
- Galán, Antonio.**  
The harmonic formula of Fourier and Bessel and its application to the study of the diurnal variation of the atmospheric pressure in Manila during the period 1890-1909. Manila. 1914. 71 p. 4°. (Philippine islands. Weather bureau. [Publication.] )
- Great Britain. Meteorological committee.**  
Ninth annual report, for the year ended 31st March, 1914. London. 1914. 69 p. 8°.
- Höhne, Erich.**  
Beiträge zur experimentellen Bestimmung des Verhältnisses der beiden spezifischen Wärmen  $\alpha=C_p/C_v$  der Luft. Breslau. 1913. 23 p. 8°. (Inaug.-Diss.—Breslau.)
- India. Meteorological department.**  
Report on the administration of the Meteorological department of the government of India in 1913-14. [Simla. 1914.] 14 p. f°.
- Kleins Jahrbuch der Astronomie und Geophysik.**  
24. Jahrgang 1913. Leipzig. 1914. xii, 384 p. 8°.
- Lyons, William J.**  
Clare Island survey. Part 6: Climatology. Dublin & London. 1914. 22 p. 2 pl. 4°. (Proceedings of the Royal Irish academy, v. 31, pt. 6.)
- Nansen, Fridtjof.**  
The waters of the north-eastern North Atlantic. Investigations made during the cruise of the Frithjof, of the Norwegian royal navy, in July 1910. Leipzig. 1913. 139 p. 17 pl. (S. A. Internationale Revue der gesamten Hydrobiologie und Hydrographie, Leipzig, 1913.) [Chapter X: Annual variations in the temperature of the sea south and west of Iceland, and the winter temperature of south-western Iceland.]
- Norway. Meteorologiske Institut.**  
Jahrbuch für 1913. Kristiania. 1914. xii, 139 p. f°.  
Nedbørgtagelser i Norge. Aargang 19, 1913. Kristiania. [1914.] v. p. map. f°.  
Oversigt over luftens temperatur og nedbøren i Norge i aaret 1913. [Kristiania. 1914.] 865-885 p. 8°.
- Philippine Islands. Weather bureau.**  
Annual report for the year 1912. Part I-II. Manila. 1914. 164 p. 4°.
- Prague. K. k. Sternwarte.**  
Magnetische und meteorologische Beobachtungen, 1913. 74. Jahrgang. Prag. 1914. iv, 47 p. f°.
- Quebec (Province). Department of colonization, mines and fisheries.**  
Extracts from reports on the district of Ungava recently added to the province of Quebec under the name of the Territory of New Quebec. Quebec. 1913. vi, 160 p. plates. map. 8°. [Climate, p. 9-10, 27, 122, 132.]

Remy, Lieut.

Précis de météorologie pratique à l'usage des aviateurs. Paris. n. d. 62 p. plate. 8°.

Smith, J. Warren.

Lightning and lightning conductors. (In Insurance press. New York. Nov. 4, 1914. p. 1, 8-11.)

Stegers, [Josef].

Beiträge zur Kenntnis der Dauer und Höhe der Schneedecke in Norddeutschland. Erfurt. 1913. 88 p. 7 pl. 8°. (Inaug.-Diss.—Münster i. W.)

Thompson, Sylvanus P.

The rose of the winds: the origin and development of the compass-card. London. [1914.] 31 p. 6 pl. 8°. (Read at the International historical congress, April, 1913. From the Proceedings of the British academy, vol. 6.)

Wissenschaftliche Gesellschaft für Flugtechnik.

Jahrbuch. 2. Band 1913/14. Berlin. 1914. 2 Lfg. 4°.

Woodworth, [Jay] B[ackus].

Harvard seismographic station. 5th annual report including records, 1 August, 1912-31 December, 1913. Cambridge, Mass. 1914. 55-77 p. 8°. (Bulletin of the Museum of comparative zoölogy at Harvard college, v. 55, no. 3.)

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZUGH 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.

- Astrophysical journal.* Chicago. v. 40, October, 1914.  
Ångström, A. K[nutsson]. The Ångström compensation-pyrheliometer and the pyrhelometric scale. p. 274-281.  
*Electrical world.* New York. v. 64. November 23, 1914.  
Atmospheric refraction of electromagnetic waves. p. 1035. [Abstract of paper by J. A. Fleming.]  
*Franklin institute. Journal.* Philadelphia. v. 178. November, 1914.  
Humphreys, William J[ackson]. The thunderstorm and its phenomena. p. 517-560. [Also published in Monthly weather review, June, 1914.]  
Coblentz, William W. The exudation of ice from stems of plants. p. 589-621. [Also published in Monthly weather review, August, 1914.]  
*Geographical journal.* London. v. 44. November, 1914.  
Hepworth, M[elville] Willis Campbell. The Gulf stream. p. 429-452.  
*Japan. Imperial earthquake investigation committee. Bulletin.* Tokyo. 1914.  
Omori, F[usakichi]. The eruptions and earthquakes of the Asama-yama. III. Remarks on the seismographical observations at Yuno-taira in 1911 and 1912. p. 227-257. (v. 6, no. 3.)  
Omori, F[usakichi]. The eruptions and earthquakes of the Asama-yama. IV. Strong Asama-yama outbursts, Dec. 1912 to May 1914. p. 1-215. (v. 7, no. 1.)  
Omori, F[usakichi]. The Sakura-jima eruptions and earthquakes. I. General account. p. 1-34. (v. 8, no. 1.) [Translation, with additions, of the article published in the Toyo gakugei zasshi, March, 1914.]  
*Ohio engineering society. Proceedings.* Norwalk, Ohio. 34th and 35th annual meetings. 1913-1914.  
Smith, J. Warren. Possibility of recurrence of the floods of March, 1913. p. 177-187. [Author's abstract in Monthly Weather Review, March 1914.]

*Ohio engineering society. Proceedings—Continued.*

- Laylin, John. The flood at Bellevue, Ohio. p. 189-192.  
 Sherman, W. J. The flood of 1913 at Lima and Marietta, Ohio. p. 193-209.  
 Prior, John C. The flood control situation at Columbus, Ohio. p. 211-226.  
 Grant, Kenneth C. Flood prevention in the Miami valley. p. 227-244.  
 Frye, H. E. A means of flood prevention. p. 245-251.  
 Schepflin, Wm. F. The hydro-electric plant and the flood at Fremont, Ohio. p. 253-258.
- Royal society. Proceedings. London. ser. A. v. 90. 1914.*  
 King, Louis Vessot. On the convection of heat from small cylinders in a stream of fluid: Determination of the convection constants of small platinum wires, with applications to hot-wire anemometry. p. 563-570. [Abstract.]  
 Rudge, W. A. Douglas. On some sources of disturbance of the normal atmospheric potential gradient. p. 571-582. [Disturbing effects of dust and clouds of steam.]  
 Shaw, William Napier. Alexander Buchan, 1829-1907. suppl. p. i-v. [Obituary.]
- Royal society. Proceedings. London. ser. A. v. 91. 1914.*  
 Mallock, A. Fog signals.—Areas of silence and greatest range of sound. p. 71-75.
- Scientific American supplement. New York. v. 78. November 14, 1914.*  
 Peebles, F. W. L. A direct reading psychrometer. p. 315.
- Scottish geographical magazine. Edinburgh. v. 30. November, 1914.*  
 Wallis, B. C. The distribution of rainfall in the north-eastern United States; its causes and results. p. 582-595.
- Seismological society of America. Bulletin. Stanford university, Cal. v. 4. September, 1914.*  
 Taber, Stephen. Seismic activity in the Atlantic coastal plain near Charleston, South Carolina. p. 108-160. [Meteorological relations, p. 123 fig.]
- Washington academy of sciences. Journal. Baltimore. v. 4. November 19, 1914.*  
 Fowle, Frederick Eugene. Avogadro's constant and atmospheric transparency. p. 529-530. [Abstract.]
- Annalen der Physik. Leipzig. 4. Folge. Band 45. Heft 3. 1914.*  
 Kron, Erich. Über die Extinktion des Lichtes in der Erdatmosphäre für das Ultraviolett. p. 377-398.
- Meteorologische Zeitschrift. Braunschweig. Band 31. September 1914.*  
 Arctowski, Henryk. Zur Dynamik der Klimaänderungen. p. 417-426.  
 Almstedt, K. Die Kälterückfälle im Mai und Juni. p. 426-433.

*Meteorologische zeitschrift. Braunschweig. Band 31—Continued.*

- Kleinschmidt, Ernst. Über den täglichen Gang der Temperatur in der freien Atmosphäre. p. 433-436.  
 Richter, Wilhelm. Der Einfluss von Breite, Länge und Meereshöhe auf die frost- und schneefreien Zeiten im deutschen Reiche. p. 436-440.  
 Krčmář, J. Beobachtungen über den Cirruszug in Sarajewo. p. 441-442.  
 Sapper, Karl. Regenmessungen an der pazifischen Abdachung und auf dem Hochland der Republik Guatemala 1913. p. 442-444.  
 Witt, H. Ausserordentlicher Hagelfall in China. p. 445-446.  
 Berndt, Georg. Ionengehalt und Leitfähigkeit der Luft auf dem atlantischen Ozean. p. 446-447.  
 Hann, Julius v. Meteorologische Beobachtungen in Babylon in den Jahren 1911 und 1912. p. 448-450.  
 Ergebnisse der meteorologischen Beobachtungen im Jahre 1911 und 1912 am Observatorium erster Ordnung auf der Insel Fernando de Noronha (Staat Pernambuco-Brasilien). p. 453-454.  
 Schmidt, Wilhelm. Zur Temperaturänderung gesättigt aufsteigender Luftmassen. p. 454-456.  
 Hann, Julius v. Sechzigjährige meteorologische Beobachtungen in Hermannstadt. p. 457-458.  
 Hann, Julius v. Eredia über das Klima des Somalilandes (Ost-Afrika). p. 458-460.
- Naturwissenschaften. Berlin. 2. Jahrgang. 9. Oktober 1914.*  
 Schmidt, Wilhelm. Neuere über die Ausbreitung des Schalles in der freien Atmosphäre. p. 925-927.
- Wissenschaftliche Gesellschaft für Flugtechnik. Jahrbuch. Berlin. 1. Band. 1912/13.*  
 Assmann, Richard A. Vorschläge zum Studium der atmosphärischen Vorgänge im Interesse der Flugtechnik. p. 39-44.  
 Linke, Franz. Windbewegungen in der Nähe des Bodens, Böigkeit des Windes. p. 45-69.  
 Friedländer. Zur Physiologie und Pathologie der Luftfahrt. Richtlinien für die Tätigkeit des medizinisch-psychologischen Ausschusses. p. 70-83.
- Wissenschaftliche Gesellschaft für Flugtechnik. Jahrbuch. Berlin. 2. Band. 1913/14.*  
 Gerdien, Hans. Ein Apparat zur Untersuchung der Windstruktur (Anemoklinograph) der Siemens & Halske-A. G. p. 67-80. [Form of hot-wire anemometer.]  
 Linke, Franz. Die Quellen der elektrischen Ladung eines Luftfahrzeuges. p. 169-171.