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.

Cairo scientific journal. Alexandria. v. 8. July, 1914.
Comissopulo, N. A. The hot wave of May 29–June 2, 1914. p. 149–151.

Engineering news. New York. v. 72. October 29, 1914.
An instance of lightning on a steel dome and reinforced-concrete walls. p. 856–857.
Goldsmith, William. Snow disposal experiments in Manhattan Borough sewers. p. 864–868.

International institute of agriculture. Bureau of economic and social intelligence. Monthly bulletin. Rome. v. 44. August, 1914.
Rocca, Giuseppe. The Bavarian hail insurance institute. p. 53–72.

Knowledge. London. v. 37. October, 1914.
Flora selborniensis. With some coincidences of the coming and departure of birds of passage and insects, and the appearing of reptiles, for the year 1766. p. 359–364. [Transcript of phenological notes by Gilbert White, and comparisons with modern statistics.]

Physical society of London. Proceedings. London. v. 26. August 15, 1914.
Fleming, J. A. On atmospheric refraction and its bearing on the transmission of electromagnetic waves round the earth's surface. p. 318–333.
Dobson, Gordon. Atmospheric electricity observations made at Kew observatory. p. 334–346.

Royal astronomical society of Canada. Journal. Toronto. v. 40. July–August, 1914.
Klotz, Otto. Earthquake phases of the moon, sub-lunar and sub-solar points. p. 273–281.

Royal meteorological society. Quarterly journal. London. v. 40. October, 1914.
Clark, J. E., & Hooker, M. A. Report on the phenological observations from December, 1912, to November, 1913. p. 257–294.
Brown, A. Hampton. A Cuban rain record and its application. p. 295–309.
Wallis, B. C. The rainfall of the southern Pennines. p. 311–326.
Bartlett, H. J. The relation between wind direction and rainfall. p. 327–346.
Chapman, E. H. Barometric changes and rainfall. p. 347–363.

Scientific American. New York. v. 111. 1914.
Military meteorology. p. 260. (Oct. 3.)
Rain after battles. p. 330. (Oct. 24.)

Scientific American supplement. New York. v. 78. 1914.
Thomson, A. Landsborough. Birds and weather. p. 215. (Oct. 3.) [Reprint from Nature.]
A French experiment for preventing fogs. p. 243. (Oct. 17.)
Fosbery, L. A. Climatic influence of forests. Results of the destruction of timber on climate and soil. p. 246–247. (Oct. 17.)

South African journal of science. Capetown. v. 10. June, 1914.
Teixeira, Augusto de Almeida. Alguns elementos para o estudo do clima de Lourenço Marques. p. 284–290; 291–338 [With English translation.]

Symons's meteorological magazine. London. v. 49. October, 1914.
Sedgwick, Walter. Weather in the seventeenth century (last quarter). p. 157–161.
Curtis, R. H. Temperature during solar eclipse. p. 165–167.

Terrestrial magnetism and atmospheric electricity. Baltimore. v. 19. September, 1914.
Hewlett, C. W. The atmospheric-electric observations made on the second cruise of the Carnegie. p. 127–170. [Results of two-year cruise around the world.]
Swann, W. F. G. On certain new atmospheric-electric instruments and methods. p. 171–185.

"Tycos"-Rochester. Rochester. v. 4. October, 1914.
Zeh, Lillian E. Coldest spot on earth. p. 5–6.

Académie des sciences. Comptes rendus. Paris. t. 159. 14 septembre, 1914.
Loisel, Julien. Répresentation nomographique de la direction moyenne du vent. p. 499–502.

K. Akademie der Wissenschaften. Sitzungsberichte. Wien. 122. Band. 1913.
Dörr, Josef Norbert. Über die Fernwirkung der Explosion auf dem Steinfelde bei Wiener-Neustadt (1912, Juni 7.) p. 1683–1732. (Oct.)
Thaller, Rudolf. Beiträge zur Kenntnis der atmosphärischen Elektrizität L. Luftelektrische Beobachtungen am Gmundenersee und in Grünau (Almtal, Oberösterreich) im Sommer 1912. p. 1817–1828. (Nov.)

Meteorologische Zeitschrift. Braunschweig. Band 31. August, 1914.
Ångström, A. K. Das Ångströmsche Kompensationspyrheliometer und die pyrheliometrische Skala. p. 369–373.
Schreber, K. Das Robinsonsche Schalenkreuz. p. 373–380.
Genz, Ewald. Über die Abhängigkeit der Höhe des Aragoschen neutralen Punktes von der Helligkeit des Himmels. p. 380–384.
Radaković, M[ichael]. Zum Einfluss der Erdrotation auf die Bewegungen auf der Erde. p. 384–392.
Knoche, Walter. Betrachtungen über das Klima Santiagos. p. 392–394.
Paraskévopoulos, Joh. S. Über die Bestimmung der Solarkonstante. p. 394–395.
Hegyfoky, J[akob]. Über die Veränderlichkeit der jährlichen Windrichtung. p. 395–397.
Korhonen, W. W. Über die Bildung von Monatsmitteln der Schneehöhen. p. 397–399.
Köppen, W[ladimir]. Bedingungen, die bei der Wahl eines Ortes für ein aerologisches Observatorium zu stellen sind. p. 399–400.
Hochsteiner, O. Zur Konstanz der Wärmezufuhr. p. 400–401.
Sapper, Karl. Meteorologische Beobachtungen auf der atlantischen Abdachung von Guatemala im Jahre 1912. p. 401–403.
Hann, J[ulius] v. Meteorologische Beobachtungen auf der Osterinsel im Grossen Ozean. p. 403–407. [Abstract of Knoche's work.]
Ryd, V. H. Zur Luftbewegung in grösseren Höhen. p. 407–409.
Krebs, Wilhelm. Nachweis der von G. Langbeck und von A. Roschkott vermuteten Wogenbewegungen der Atmosphäre durch Profilierung der Isobarenkarten. p. 409–410.
Prohaska, Karl. Der Hagelfall und Wolkenbruch vom 3. Juli 1914 in Graz. p. 410–412. [Hail fell for 50 minutes.]

Naturwissenschaften. Berlin. 2. Jahrgang. 1914.
Berndt, G[eorg]. Der Elektrizitätshaushalt der Atmosphäre. p. 760–764. (31. Juli.)
Jensen, Chr[istian], & Sieveking, H. Himmelsphotometrie. p. 818–826. (14. Aug.)
Bachmann, Fritz. Die Ursache des Erfrierens und der Schutz der Pflanzen gegen den Kältetod. p. 845–849. (4. Sept.)

Wetter. Berlin. 31. Jahrgang. August, 1914.
Kampfrath, A. Luftspiegelung. p. 169–176.
Meissner, Otto. Existieren die "Eisheiligen?" p. 176–179.