

The resultant winds, as deduced from the personal observations made at 8 a. m. and 8 p. m., are given in Table IX. These latter resultants are also shown graphically on Chart IV, where the small figure attached to each arrow shows the number of hours that this resultant prevailed, on the assumption that each of the morning and evening observations represents one hour's duration of a uniform wind of average velocity. These figures indicate the relative extent to which winds from different directions counterbalanced each other.

HIGH WINDS.

Maximum wind velocities of 50 miles or more per hour were reported during this month at regular stations of the Weather Bureau as follows (maximum velocities are averages for five minutes; extreme velocities are gusts of shorter duration, and are not given in this table):

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Amarillo, Tex	9	64	n.	Huron, S. Dak	6	53	sw.
Do	10	60	se.	Do	10	56	sw.
Do	11	56	n.	Pierre, S. Dak	10	53	sw.
Do	21	52	w.	Do	11	53	w.
Block Island, R. I.	14	64	e.	St. Louis, Mo	21	52	n.w.
Chicago, Ill.	7	50	sw.	San Antonio, Tex.	11	6	n.
Detroit, Mich.	25	50	w.	Sioux City, Iowa	6	52	sw.
Fort Canby, Wash.	7	54	se.				

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table X, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—The dates on which reports of thunderstorms for the whole country were most numerous were: 6th, 243; 7th, 245; 8th, 229; 9th, 200; 17th, 213; 20th, 204; 21st, 335; 24th, 216; 25th, 202.

Thunderstorm reports were most numerous in: Ohio, 424; Missouri, 293; North Carolina, 219; Illinois, 210.

Thunderstorms were most frequent in: Florida, 29 days; Alabama, Colorado, Illinois, Missouri, South Dakota, and West Virginia, 26; Idaho, Iowa, North Carolina, and Ohio, 25.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, from the 20th to the 28th, inclusive. On the remaining twenty-one days of this month 40 reports were received, or an average of about 2 per day. The dates on which the number of reports especially exceeded this average were: 5th, 5; 8th and 11th, 4; 29th, 8.

Auroras were reported by a large percentage of observers in: Delaware, 50; New Hampshire, 30; Maine, 12.

Auroras were reported most frequently in: New Hampshire, 7 days; North Dakota, 5; Minnesota and Wisconsin, 4; Delaware, 3.

CANADIAN REPORTS.

Thunderstorms were reported as follows: Grindstone, 19th; Grand Manan, 21st, 22d; Yarmouth, 9th, 22d; St. Andrews, 21st, 22d; Charlottetown, 22d; Chatham, 4th, 18th; Father Point, 22d; Quebec, 4th, 18th, 21st, 22d, 29th; Montreal, 7th, 21st; Rockliffe, 6th; Toronto, 6th, 7th, 21st, 28th; Port Stanley, 6th, 7th, 8th, 9th, 21st, 25th; Saugeen, 26th; Parry Sound, 5th; Port Arthur, 18th, 27th; Winnipeg, 4th, 15th, 24th, 26th; Minnedosa, 4th, 14th, 16th, 18th, 26th, 27th; Qu'Appelle, 16th, 22d, 26th; Medicine Hat, 5th, 10th; Swift Current, 2d, 3d, 19th, 23d; Banff, 2d; Edmonton, 1st, 2d, 8th, 12th, 16th, 18th, 22d, 26th; Battleford, 2d, 14th, 15th, 18th, 21st, 23d.

Auroras were reported as follows: Father Point, 5th, 7th, 14th, 15th, 16th, 17th; Quebec, 2d, 14th, 15th, 16th, 17th, 26th, 29th; Montreal, 16th; Toronto, 26th; Winnipeg, 8th, 9th; Minnedosa, 1st; Banff, 9th, 11th, 13th, 14th, 21st, 23d; Prince Albert, 9th, 15th, 17th, 30th.

INLAND NAVIGATION.

The extreme and average stages of water in the rivers for the current month are given in Table VIII, from which it appears that the Willamette, at Portland, Oreg., remained above the danger line from the 1st to the 25th, being highest, 23.8, on the 23d, 24th, and 25th. The only other cases in which the rivers approached the danger line were the lower Missouri, which rose to within 3 or 4 feet, and the upper Mississippi, which rose to within 1, 2, or 3 feet of the danger line.

On the 6th heavy rainstorms occurred in the interior of Ohio; also in Marshall County, W. Va., and in Belmont County, Ohio, all in the vicinity of Wheeling, W. Va. As a result, the tributaries of the Ohio rose very suddenly. Three lives were lost by drowning and a large amount of railroad property, bridges, trestles, etc., was destroyed.

Destructive rain and wind storms occurred in Minnesota, Wisconsin, Iowa, Illinois, and Missouri. Five persons were drowned, a number were injured by the wind; hundreds of cattle, sheep, and hogs were drowned. Newspaper estimates place the damage at half a million dollars.

METEOROLOGY AND MAGNETISM.

By Prof. FRANK H. BIGELOW.

For a description of the methods of constructing the tables and curves of Chart V, see the WEATHER REVIEW for October, 1895, and January, 1896. The numbers in the columns H. and D. are added respectively to the mean values for Washington and Toronto, i. e., H=0.18250; D=180.0. The values of the vertical force are omitted, as well as *dz*, *s* and *a*, which depend upon it.

CLIMATE AND CROP SERVICE.

By JAMES BERRY, Chief of Climate and Crop Service Division.

The following extracts relating to the general weather conditions in the several States and Territories are taken from the monthly reports of the respective services.

Snowfall and rainfall are expressed in inches.

Alabama.—The mean temperature was 77.2°, or 0.6° below normal; the highest was 100°, at Ashville on the 26th, 27th, and 30th, at Eufaula on the 29th, and at Goodwater on the 30th; the lowest was 48° at Valleyhead on the 15th. The average precipitation was 5.24, or 0.44 above normal; the greatest monthly amount, 13.15, fell at Daphne, and the least, 1.94, at Opelika.

Arizona.—The mean temperature was 83.6°, or 6.6° above normal; the highest was 127°, at Fort Mojave on the 15th, and the lowest, 35°, at Flagstaff on the 4th. The average precipitation was 0.24, or 0.12 below normal; the greatest monthly amount, 1.31, fell at Fort Huachuca. Nineteen stations reported no precipitation.

Arkansas.—The mean temperature was 77.7°, or 0.8° above normal; the highest was 103°, at Malvern on the 27th, and the lowest, 48°, at Silver Springs on the 3d. The average precipitation was 1.91, or 2.14 below normal; the greatest monthly amount, 4.65, fell at Stuttgart, and the least, 0.10, at Texarkana.

California.—The mean temperature was 72.5°, or 1.7° above normal;

the highest was 130°, at Volcano Springs on the 12th, and the lowest, 21°, at Bodie on the 11th. The average precipitation was 0.03, or 0.28 below normal; the greatest monthly amount, 1.10, fell at Mountain Home Hill, Tulare County, at an elevation of 6,680 feet. Numerous stations reported "no precipitation."

**Colorado.**—The mean temperature was 3.0° above normal; the highest was 107°, at Lamar on the 14th, and at Delta on the 17th, the lowest, 22°, occurred at Alma. The average precipitation was 1.02, or about 0.34 below normal; the greatest monthly amount 3.99 fell at Fleming. No precipitation occurred at Delta.

**Florida.**—The mean temperature was 79.8°, or 0.2° below normal; the highest was 100°, at Emerson on the 1st and 20th, and the lowest, 54°, at Tallahassee on the 3d. The average precipitation was 10.78, or 5.16 above normal; the greatest monthly amount, 20.90, occurred at Fort Myers, and the least, 3.10, at Key West.

**Georgia.**—The mean temperature was 78.0°, or about normal; the highest reported was 104°, at Albany on the 30th, and the lowest, 46°, at Clayton on the 14th. The average precipitation was 3.55, or about the usual amount; the greatest monthly amount, 7.81, fell at Quitman, and the least, 0.90, at Monticello.

**Idaho.**—The mean temperature was 62.2°; the highest was 103°, at Lewiston and Payette on the 28th and Pollock on the 29th; the lowest was 25°, at Murray on the 3d and Swan Valley on the 11th. The average precipitation was 1.08; the greatest monthly amount, 3.24, fell at Grangeville, and the least, 0.05, at Downey.

**Illinois.**—The mean temperature was 71.4°, or 0.4° above normal; the highest was 100°, at Mascoutah on the 20th, and the lowest, 39°, at Fort Sheridan on the 1st and at Dwight on the 14th. The average precipitation was 3.88, or 0.72 below normal; the greatest monthly amount, 8.29, fell at Cisne, and the least, 1.59, at Sycamore.

**Indiana.**—The mean temperature was 71.2°, or 0.9° below normal; the highest was 100°, at Angola on the 25th, and the lowest, 40°, at Hammond on the 10th. The average precipitation was 4.29, or 0.26 above normal; the greatest monthly amount, 7.59, fell at Scottsburg, and the least, 2.04, at Syracuse.

**Iowa.**—The mean temperature was 69.1°, which is the normal for the month; the highest was 100°, at Malvern on the 16th, and the lowest, 40°, at Audubon on the 1st. The average precipitation was 3.11, or 1.84 below normal; the greatest monthly amount, 7.89, fell at Atlantic, and the least, 0.81, at Vinton.

**Kansas.**—The mean temperature was 74.1°, or 0.4° above normal; the highest was 114°, at Meade on the 14th, and the lowest, 39°, at Colby on the 1st. The average precipitation was 4.32, or 0.01 above normal; the greatest monthly amount, 9.97, fell at Salina, and the least, 0.86, at Ulysses.

**Kentucky.**—The mean temperature was 73.5°, or 1.0° below normal; the highest was 98°, at Ashland on the 7th and at Pryorsburg on the 19th; the lowest, 46°, at Eubanks on the 12th. The average precipitation was 4.64, or 0.56 above normal; the greatest monthly amount, 11.22, fell at Blandville, and the least, 2.02, at Fords Ferry.

**Louisiana.**—The mean temperature was 80.1°, or 0.9° above normal; the highest was 104°, at Liberty Hill on the 20th; the lowest, 50°, at Oberlin on the 3d, and Davis, Oxford, and Robeline on the 13th. The average precipitation was 5.73, or 0.45 below normal; the greatest monthly amount 12.84, fell at Wallace, and the least, 0.31, at Lake Providence.

**Maryland.**—The mean temperature was 70.4°, or 1.7° below normal; the highest was 100°, at Western Port on the 20th, and the lowest, 32°, at Deer Park on the 2d. The average precipitation was 4.03, or 0.57 above normal; the greatest monthly amount, 7.63, fell at Dover, Del., and the least, 1.61, at Distributing Reservoir, D. C.

**Michigan.**—The mean temperature was 65.8°, or 1.0° below normal; the highest was 97°, at Bronson on the 6th, and the lowest, 31°, at Baraga and Lathrop on the 1st. The average precipitation was 2.92, or 0.29 below normal; the greatest monthly amount, 7.16, fell at Battle Creek, and the least, 0.64, at Muskegon.

**Minnesota.**—The mean temperature was 66.5°, or 0.7° below normal; the highest was 100°, at Dawson on the 24th, and the lowest, 30°, at Tower on the 4th. The average precipitation was 4.06, or 0.43 above normal; the greatest monthly amount, 9.76, fell at Luverne, and the least, 1.52, at Ada.

**Mississippi.**—The mean temperature was 78.5°, or 0.5° below normal; the highest was 104°, at Columbus on the 27th, and the lowest, 46°, at Corinth on the 13th. The average precipitation was 4.50, or 0.25 above normal; the greatest monthly amount, 10.21, fell at Hazelhurst, and the least, 0.20, at Hernando.

**Missouri.**—The mean temperature was 72.2°, or 1.3° below normal; the highest was 101°, at Grovedale and Princeton on the 19th, and the lowest, 45°, at Mineral Springs on the 3d. The average precipitation was 3.82, or 0.94 below normal. The greatest monthly amount, 9.97, fell at Hastian, and the least, 0.77, at Princeton. The precipitation for the month was very unevenly distributed, being far in excess of the normal at some stations, while at others, in the same section of the State, there was a marked deficiency. The heaviest rains occurred in the east-central, central, and southeastern portions of the State, where, over considerable areas, the total for the month exceeded 6 inches, and

at a few stations even 8 inches, while portions of the northern and western sections received less than 2 inches.

**Montana.**—The mean temperature was 63.0°, or 2.0° above normal; the highest was 106°, at Radersburg on the 27th, and the lowest, 27°, at Wibaux on the 4th and at Radersburg on the 5th. The average precipitation was 1.76, or 0.15 below normal; the greatest monthly amount, 7.50, fell at Fort Custer, and the least, 0.34, at Kalispell. Many sections were visited by severe local thunderstorms and heavy downpours of rain.

**Nebraska.**—The mean temperature was 70.7°, or 1.2° above normal; the highest was 105°, at Curtis on the 18th, and the lowest, 39°, at Lexington on the 11th. The average precipitation was 4.04, or 0.21 above normal. The heaviest rainfall occurred in the northeastern section of the State, where the average for the month was 4.52. The least was in the western section, where the average was 2.85. The largest rainfall reported at any one station was 16.17 at Greeley Center, and the least, 1.30, at Fort Robinson.

**New England.**—The mean temperature was 63.3°, or 1.6° below normal; the highest was 96°, at Lawrence, Mass., on the 20th, and the lowest, 32°, at Lancaster, N. H., on the 3d. The average precipitation was 2.73, or 0.44 below normal; the greatest monthly amount, 5.71, fell at Waterbury Conn., and the least, 1.13, at Vernon, Vt.

**New Jersey.**—The mean temperature was 68.1°, or 1.3° below normal; the highest was 97°, at Toms River on the 9th, and the lowest, 37°, at Charlotteburg on the 3d. The average precipitation was 5.46, or 1.48 above normal; the greatest monthly amount, 13.45, fell at Ocean City, and the least, 2.64, at Cape May City.

**New Mexico.**—The highest temperature was 114°, at Rincon on the 17th and the lowest, 22°, at La Belle on the 13th. The greatest monthly precipitation, 3.00, fell at Shattucks Ranch; no precipitation at Fort Bayard and only "trace" at Aztec and Fort Wingate.

**New York.**—The mean temperature was 64.7°, or 1.2° below normal; the highest was 96°, at Mount Morris on the 8th, and at Watertown on the 9th; the lowest, 31°, at Arcade, New Lisbon and South Canistota on the 3d. The average precipitation was 3.16, or 0.27 below normal; the greatest monthly amount, 6.67, fell at Brooklyn, and the least, 1.43, at Lockport.

**North Carolina.**—The mean temperature was 73.1°, or 1.2° below normal; the highest was 97°, at Chapel Hill on the 26th, and the lowest, 39°, at Linville on the 15th. The average precipitation was 5.36, or 0.93 above normal; the greatest monthly, 10.18, fell at Willetton, and the least, 2.34, at Hatteras.

**North Dakota.**—The mean temperature was 65.6°, or 1.0° above normal; the highest was 97°, at Kelso on the 30th, and the lowest, 37°, at Forman on the 2d. The average precipitation was 3.80, or 0.38 above normal; the greatest monthly amount, 7.08, fell at Berthold Agency, and the least, 0.94, at Kelso.

**Ohio.**—The mean temperature was 69.5°, or 0.7 below normal; the highest was 98°, at Defiance on the 6th and Bethany on the 19th; the lowest, 33°, at Green hill on the 2d. The average precipitation was 4.81, or 0.87 above normal, one of the wettest Junes on record; the greatest monthly amount, 10.78, fell at Warren, and the least, 1.44, at Rockyridge.

**Oklahoma.**—The mean temperature was 78.9°; the highest was 109°, at Norman on the 15th, and the lowest, 45°, at Winnview on the 1st, and at Pond Creek on the 11th. The average precipitation was 3.28; the greatest monthly amount, 7.26, fell at Stillwater, and the least, 0.67, at Kemp.

**Pennsylvania.**—The mean temperature was 67.4°, or 2.3° below normal; the highest was 98°, at Aqueduct on the 20th, and the lowest, 32°, at St. Marys on the 2d and at Shinglehouse on the 3d. The average precipitation was 4.64, or 0.90 above normal; the greatest monthly amount, 9.11, fell at Indiana, and the least, 1.89, at Dyberry.

**South Carolina.**—The mean temperature was 77.9°, or 0.4° above normal; the highest was 102°, at Gillisonville and Shaws Forks on the 26th, and the lowest, 52°, at Clemson College and Greenville on the 14th. The average precipitation was 5.42, or 0.80 above normal; the greatest monthly amount, 10.45, fell at St. Georges, and the least, 1.94, at Clemson College.

**South Dakota.**—The mean temperature was 67.0°, or about 2.0° above normal; the highest was 104°, at Cherry Creek on the 29th, and the lowest, 29°, at Plankinton on the 1st. The average precipitation was 4.13, or 0.63 above normal; the greatest monthly amount, 7.90, fell at Millbank, and the least, 1.25, at Farmingdale.

**Tennessee.**—The mean temperature was 74.0°, or about normal; the highest was 99°, at Arlington on the 22d, and the lowest, 48°, at Tallahoma on the 14th. The average precipitation was 4.54, or 0.20 above normal; the greatest monthly amount, 8.85, fell at McMinnville, and the least, 1.63, at Bolivar.

**Texas.**—The temperature on an average for the State was 2.7° above normal. There was a general excess in all localities except over the extreme western portion of the State, where there was a slight deficiency. The excess ranged from 0.6° to 3.5° over the coast district and southwest Texas, and from 3.2° to 5.0° over north, central, and east Texas, with the greatest in the vicinity of Abilene. The highest was 111°, at Roby on the 9th, and the lowest, 45°, at Happy on the 12th.

The precipitation on an average for the State was 2.02 below normal. There was a general deficiency east of the one hundredth meridian, while to the westward there was a general excess, with the greatest in the vicinity of Fort Ringgold (Rio Grande City), where it amounted to 1.65. The deficiency for the month ranged from 0.83 to 3.95 over north, central, east, and southwest Texas, and from 0.48 to 4.49 over the coast district, with the greatest over the extreme eastern portion. The greatest monthly amount, 4.03, occurred at Fort Ringgold, while no rain fell at several stations.

*Utah.*—The mean temperature was 70.0°, or about 2.0° above normal; the highest was 112°, at St. George on the 16th, and the lowest, 21°, at at Soldier Summit on the 10th. The average precipitation was 0.20, or about 0.50 below normal; the greatest monthly amount recorded was 2.00, at Thistle. No rain occurred at St. George, Pahreah, and Park City.

*Virginia.*—The mean temperature was 71.4°, or 2.3° below normal; the highest was 96°, at Bonair on the 29th and at Cape Henry on the 22d, and the lowest, 35°, at Guinea on the 12th. The average precipi-

tation was 5.27, or 1.59 above normal; the greatest monthly amount, 8.18, fell at Sunbeam, and the least, 1.35, at Birdsnest.

*Washington.*—The mean temperature was 59.3°, or 0.6° above normal; the highest was 106°, at Moxee on the 28th, and the lowest, 28°, at Cascade Tunnel on the 13th. The average precipitation was 1.64, or 0.26 below normal; the greatest monthly amount, 5.12, fell at Monte Christo, and the least, 0.07, at Moxee.

*West Virginia.*—The mean temperature was 69.3°, or slightly below normal; the highest was 95°, at Spencer on the 25th, and the lowest, 39°, at Bloomery on the 2d. The average precipitation was 5.35, or more than 1.00 above normal; the greatest monthly amount, 9.86, fell at Monarch, and the least, 2.91, at Spencer.

*Wisconsin.*—The mean temperature was 66.8°, or about 1.0° below normal; the highest was 95°, at Appollonia on the 22d and at Bayfield on the 30th, and the lowest, 29°, at Antigo and Mayford on the 1st. The average precipitation was 3.37, or slightly below normal. The greatest monthly amount, 6.83, fell at Viroqua, and the least, 0.51, at Crandon.

## SPECIAL CONTRIBUTIONS.

### RECENT PUBLICATIONS.

By Dr. J. H. McCARTY, Librarian Weather Bureau.

- Argentine Republic.**—Anales de la Oficina Meteorologica Argentina. Gualterio G. Davis, Director. Tomo X. 4to. 556 pp. Buenos Aires. 1896.
- Austria.**—Hungary. Jahrbücher der k. k. Central Anstalt für Meteorologie und Erdmagnetismus. Officielle publication. Jahrgang. 1893. 4to. XX, 116, 182, 44, 16 S.
- Austria.**—Hungary. Sternwarte des hydrographischen Amtes der K. u. K. Kriegsmarine. Meteorologische und Magnetische Beobachtungen. März-December, 1895. 4to. Vienna. 1895.
- Belgium.**—Le climat de la Belgique en 1895. 10e année. Bruxelles. La Haye, 1896. Kl. Svo. 206 s. 4 Taf. S.-A. Annuaire de l'Obs. roy. de Belgique pour 1896. A. Lancaster.
- British Empire.**—Australia. H. C. Russell. Pictorial Rain Maps. Read before the Royal Society of New South Wales, November 1, 1893. Svo. 4 pp., with pl. XXI.
- British Empire.**—Australia. Types of Australian Weather. Henry A. Hunt, Sydney Observatory. Svo. 39 pp. 40 diagrams. Sydney. 1896.
- British Empire.**—Australia. Circular announcing the establishment of the Perth Observatory. Fol. Adelaide. 1895.
- British Empire.**—Australia. Meteorological Observations made at the Adelaide Observatory and other places in South Australia and in the Northern Territory during the year 1891. By Ph. Todd. Fol. XVIII, 122 pp. 5 cpts. Adelaide. 1894.  
The same for 1892. Fol. XIX, 124 pp. 5 cpts.  
The same for 1893. Fol. XX, 128 pp. 1 ch. Adelaide. 1896.
- British Empire.**—Australia. Results of Observations in Meteorology, Terrestrial Magnetism, etc. Taken at Melbourne Observatory during the years 1872-1874. By R. L. J. Ellery, 3 vols. Svo.
- British Empire.**—Canada. Meteorological Service of the Dominion of Canada. Monthly Weather Review, 1895. 4to. Toronto.  
Payne, F. F.—The Seasons in Hudsons Strait. Read before the Canadian Institute, March 28, 1896. Transactions Vol. V. 10 pp. Large Svo. Toronto, Canada.
- British Empire.**—England. Report of the Meteorological Council for the year ending March 31, 1895. Submitted to the President and Council of the Royal Society. Svo. 131 pp. 1 chart. London. 1895.
- British Empire.**—England. Report of the Kew Observatory Committee of the Royal Society for the year ending December 31, 1895. Svo. 34 pp. London. 1896.
- British Empire.**—England. Reduction of Greenwich Meteorological Observations. Part III. Temperature of the Air as determined from observations and records of fifty years, 1841-1890. Made at the Royal Observatory, Greenwich. Now collected and discussed under the direction of W. H. M. Christie. 4to. xiv, 119 pp. 1 tab. London. 1895.
- British Empire.**—England. Stonyhurst College Observatory. Results of Meteorological, Magnetical, and Solar Observations. 1895. Rev. W. Sidgreaves, S. J. Svo. 80 pp. Clitheroe. 1896.

- British Empire.**—England. The Catalogue of Scientific Papers (1874-1883). Compiled by the Royal Society of London. Vol. 11. (Pet. Zyl.) 902 pp. London. 1896.
- Thomson, J. J.—Elements of the Mathematical Theory of Electricity and Magnetism. Pages vi, 510. Cambridge, England. 1895.
- Foster, G. C. and Atkinson, E.—Elementary Treatise on Electricity and Magnetism, founded on Joubert's *Traité Élémentaire d'Electricité*. Pages xix, 552. London. 1896.
- Nansen, F.—The First Crossing of Greenland. Translated by H. Majendie Gepp. With numerous illustrations and map. 2 vols. Svo. London. 1890.  
Bonney, T. G.—Ice-work, Present and Past. Pages xiv, 296. London. 1896.
- Wilson-Barker.—Clouds and Weather: A study for navigators. Illustrated from photographs taken by the author. Svo. 21 pp. London. 1895.
- Ramsey, Alexander.—The Scientific Roll and Magazine of Systematized Notes, No. 8, Climate: Baric condition. Pages 225-256. Svo. London. 1896.
- Rayleigh, Baron.—The Theory of Sound. In 2 volumes. Second edition, revised and enlarged. Svo. Cloth. Pages xvi, 554. London. 1896.
- British Empire.**—Hong Kong. Observations and Researches made at the Hong Kong Observatory in the year 1894. By W. Doberek. 4to. Hong Kong. 1895.
- British Empire.**—India. D. G. Mantell. Administration Reports, 1894. Part II. Scientific Meteorology. Folio. 35 pp., with rain charts.
- British Empire.**—India. Meteorological Results of Observations taken at the Bangalore Mysore, Hassan and Chitaldroog Observatories, for 1893 and 1894. By John Cook. 4to. 137 pp., with tables. Bangalore. 1896.
- British Empire.**—India. Madras Observatory. Daily Meteorological Means. 4to. 2 pls. 14 pp. Madras. 1896. C. Michie Smith.
- British Empire.**—Scotland. Specific Gravities and Oceanic Circulation. Alex. Buchan. (Transactions of the Royal Society of Edinburgh. Vol. XXXVIII. No. 9.) 4to. 26 pp. 9 maps. Edinburgh. 1896.
- British Empire.**—Scotland. Journal of the Scottish Meteorological Society. With tables for the years 1893 and 1894. 3d series. Nos. XI, XII. Large Svo. Edinburgh. 1896.
- British Empire.**—Jamaica, W. I. Maxwell Hall. Clouds and Cloud Drift and Thunderstorms in Jamaica. Fol. 7 pp. Jamaica. 1896.
- British Empire.**—Jamaica, W. I. Maxwell Hall. The Kingston Barograph. Fol. 20 pp. with diagram. Jamaica. 1896.
- Denmark.**—Ryder, C. Observations Météorologiques, Magnétiques et hydrométriques de l'île Danemark dans le Scoresby Sound, 1891-1892. Faites par l'Expedition danoise sous la direction de M. C. Ryder. Publiée par l'Institut Met. de Danemark. Copenhagen. 1895. Hoch 4to 5, 21 XLV, 17, 6, XIX + 8. Abbildgn, 1 karte.
- France.**—Comité Météorologique Internationale. Atlas Internationale des Nuages, Publiée conformément aux Décisions du Comité. H. Hildebrandssn. A. Rigggenbach, L. Teisserenc de Bort. Planche VIII. Fig. 16.
- France.**—Guillon, E. Théories Météorologiques et prevision du temps. Svo. 88 pp. Paris. 1894.