

# INDEX.

	PAGE		PAGE
Abbe, Prof. Cleveland .....	252	— Climatology, Lt.-Col. H. Mellish	
Actinograph, A. W. Clayden on the	27	on the Present Position of.....	11
Aitken, J., F.R.S., Disappearance		— Rainfall, 1910.....	122, 143
of clouds at evening .....	156	Brodie, F. J., The Weather of the	
Anticyclone, The term .....	79	months of 1911...9, 25, 49, 67,	
April, 1911, The Weather of, by		90, 133, 134, 155, 177, 194, 221,	247
F. J. Brodie .....	67	Brook, C. L., Damage by light-	
Arctic Spring, Our .....	75	ning.....	138
August, 1911, in London, High		Brown, W. Piffe, Black Haze .....	115
Temperature of July and, 153,		Bryant, W. W., The Greenwich	
173; The Weather of, by F. J.		temperature of 100° in the shade	159
Brodie.....	155	Buenos Aires, Flood Rains in.....	97
Australian Newspapers, Weather		Busk, H. G., What will the Wea-	
Charts in .....	226	ther be? (review).....	78
— Rainfall, Monthly Distribution		Chree, Dr. C., F.R.S., On the	
of (review).....	15	Diurnal Inequality of Baro-	
Bai-u, or Rainy Season in Japan,		metric Pressure at Castle O'er	119
by T. Okada (review).....	78	Clark, J. E., Sheet or Summer	
Balloon Ascents, International,		Lightning .....	74
122; by W. H. Dines, F.R.S.,		Clark, K. M., on Cloudiness	
5, 50, 68, 99, 118, 137,		Charts for the United States	27
163, 178, 198, 222,	249	Claydon, A., on the Actinograph	27
Barnes, C. A. A., C.E., Diurnal		Climatic Control, by L. C. W.	
range of barometer in Southern		Bonacina (review).....	182
Nigeria, 117; Climatology of		Climatological Tables for the	
Southern Nigeria.....	245	British Empire, 20, 40, 60, 84,	
Barometric depression, The distri-		104, 128, 148, 168, 188, 212, 236,	260
bution of Rain in a, by R.		Climatology of Southern Nigeria,	
Corless .....	85	by C. A. A. Barnes, C.E. ....	245
Begg, Rev. J. S., The "supposed"		Cloud, Curious Long-enduring....	115
cold of winter anticyclones ...	228	Cloudiness Charts for the United	
Black Haze.....	74, 115, 181	States, K. M. Clark on .....	27
Bonacina, L. C. W., Climatic Con-		Cobbold, P. A., The Supposed	
trol (review), 182; Cumulus		Cold of Anticyclones.....	71
Clouds on October 21st, 201;		Cold of Winter Anticyclones, The	
Monthly Pressure Gradients		"supposed".....	34, 52, 69, 71, 228
and Gale Frequency, 22; Our		Colliery Warnings .....	35
Arctic Spring, 75; Our hottest		Colombo, The New Observatory	
Summer, 181, 227; Tendency		at, by the Editor .....	1
for frost and snow around		Cooke, R., and S. C. Russell, on	
November 22nd, 251; The great		Well-depth compared with	
Thunderstorm of May 31, 1911	95	Rainfall .....	26
Boys, Rev. H. A., Effects of a		Corless, R., Distribution of Rain	
flash of lightning.....	73	in a Barometric Depression...	85
British Association, Meteorology		Cornish, Dr. Vaughan, Waves of	
at the, 149; by E. Gold,		the Sea and other Water	
174, 179, 195		Waves (review).....	28

	PAGE		PAGE
Cumulus Clouds on October 21st	201	Föhn Wind as it strikes one, The,	
Cyclones and the Sun's Rotation		by a Resident in Innsbruck ...	6
Period.....	33	Forecasting, Weather, R. G. K.	
Daily Weather Maps, The Use of	54	Lempert on .....	32
Damage by Lightning .....	138	Frost Days in the Second Half	
Dansey, Rev. R. P., Our Perma-		Year .....	14
nent Snow-spots .....	160	Full Moon, The disappearance of	
December, 1911, The Weather of,		Cloud at, by W. Ellis, F.R.S.	
by F. J. Brodie.....	247	105, 140, 158, 180	
Denning, W. F., Curious Long-		Gale Frequency, Monthly Pressure	
enduring Cloud, 115; The		Gradients and, by L. C. W.	
Fall of Meteorites to the		Bonacina .....	22
Earth .....	53	Galton, Sir F., F.R.S. (obituary)...	21
Destruction of a Wind Vane by		Gaster, F., Gun-firing and Rainfall	35
Lightning.....	113	Godden, W., The Tale of—a Gust	54
Dines, W. H., F.R.S., Inter-		Gold, E., Meteorology at the	
national Balloon Ascents, 5,		British Association, 174, 179,	
50, 68, 99, 118, 137, 163, 178,		195; The use of Meteorological	
198, 222, 249; Planetary Rain-		observations in connexion with	
fall, 179; Supposed Cold of		Insurance .....	45
Winter Anticyclones.....	34, 69, 99	Granger, F. S., Black haze .....	181
Disappearance of Cloud at Full		Greenwich temperature of 100° in	
Moon, 140; by W. Ellis, F.R.S.,		the shade, The .....	159
105, 140, 180; at Evening.....	156	Guernsey, Heat and drought at ...	227
Distribution of Rain in Barome-		Gun-firing and Rainfall .....	35, 123
tric Depression, by R. Corless.	85	Gust, The tale of a .....	54
Dover, J., The October Rainfall,		Hall, Maxwell, Cyclones and the	
200; Our Arctic Spring.....	75	Sun's Rotation Period .....	33
Drought in India, 135; in the East		Halos, Complex system of.....	55
of Scotland, 114; January-		Hann, Dr. Julius, Handbuch der	
February, 1911, High Baro-		Klimatologie (review), 143;	
meter and, 23; of July, 1911.	130	The "supposed" cold of Win-	
Druce, F., The use of Daily Wea-		ter Anticyclones .....	52
ther Maps .....	54	Harding, C., on the Abnormal	
Dunlop, R. W., Weather Wisdom		Summer of 1911 .....	223
in Agriculture (review) .....	183	Heat in a Thunder Squall, Great.	201
Edwin, Capt. R. A., R.N. (obituary)	162	Hellmann, Prof. G., and Dr. v.	
Ellis, Hon. and Rev. W., Heavy		Elsner, Summer Floods of the	
Rainfall in the North of Eng-		Oder Valley (review) .....	253
land.....	116	Henkel, F. W., Is the Zodiacal	
Ellis, W., F.R.S., The disappear-		Light a Meteorological Pheno-	
ance of Cloud at Full Moon		menon? 190; Weather Science	
105, 140, 158, 180		(review) .....	142
English Climate, Variations in the,		Hepworth, Capt. Campbell, C.B.,	
W. Marriott on .....	76	The disappearance of clouds at	
Erratum.....	123	evening, 158; The Recurrence	
Fairgrieve, J., Movement of Rain		of Cold and Warm Periods, 12;	
on May 31st, 1911 .....	112	The Zodiacal Light.....	225
Fall of Meteorites to the Earth,		High Barometer and Drought,	
The .....	53	January—February, 1911 .....	23
— of Temperature in Bright Wea-		Hobbs, W. H., Characteristics of	
ther.....	106	existing Glaciers (review) .....	206
February, 1911, The Rainfall of,		Hopkinson, J., Destruction of a	
24; The Weather of, by F. J.		wind vane by lightning .....	113
Brodie.....	25	Horner, D. W., The October Rain-	
Finland, Atlas of (review).....	252	fall .....	199
Flash of Lightning, Effects of a ...	73	Hottest day on record in London,	
Fletcher, R., The October Rainfall	199	The .....	129
Flood Rains in Buenos Aires .....	97	— Summer on record, Our, 181, 200, 227	

# INDEX.

v.

	PAGE
Hunt, H. A., Monthly Distribution of Australian Rainfall (review), 15; Weather Charts in Australian newspapers .....	226
India, Serious drought in .....	135
Inequality of Barometric Pressure at Castle O'er, Dr. C. Chree, F.R.S., on the Diurnal .....	119
Innes, R. T. A., Millimetres or Inches .....	33
Insurance against Rain .....	41, 45, 92
— The use of Meteorological Observations in connexion with, by E. Gold .....	45
International Balloon Ascents, 122; by W. H. Dines, F.R.S., 5, 50, 68, 99, 118, 137, 163, 178, 198, 222, 249	
January, 1911, The Weather of, by F. J. Brodie, 9; and February, 1911, High Barometer and Drought .....	23
Johannesburg Observatory, The ...	72
Jones, J. R. Gethin, The latest Snow Spot in Wales .....	140
July Temperature in London, High 120, 153, 173	
—, 1911, The Drought of, 130; The Weather of, by F. J. Brodie	134
June, 1911, The Rainfall of, in the Thames Valley, 121; The Weather of, by F. J. Brodie ...	133
Koch, Felix J., A Visit to Medicine Hat .....	29
Lancashire Smoke, Black Haze and .....	74
Lecture and the Newspapers, A ...	202
Lempfert, R. G. K., on Weather Forecasting .....	32
Lewis, G. D., Black Haze and Lancashire Smoke .....	74
Lightning, Damage by, 138; Destruction of a Wind Vane by, 113; Effects of a Flash of, 73; Sheet or Summer, or neither?	74
Lippincott, R. C. Cann, The Paries Cloud .....	250
Lockwood, A., Heavy Rain in Snowdonia .....	201
MacDowall, A. B., Frost Days in the Second Half Year, 14; Rothesay Rainfall in Spring and Summer .....	116
McInroy, Col. C., C.B., Drought in the East of Scotland .....	114
March, 1911, The Weather of, by F. J. Brodie .....	49
Marriott, W., Hints to Meteorological Observers (review),	

	PAGE
143; on Variations in the English Climate, 1881-1910 .....	76
Mawley, E., on Phenological Observations for 1910 .....	93
May, 1911, The Thunderstorms of, 89; The Weather of, by F. J. Brodie, 90; Movement of Rain on 31st, 112; The Great Thunderstorm of 31st .....	95
Medicine Hat, 15, 35; A Visit to, by Felix J. Koch .....	29
Mellish, Lt.-Col. H., on The present position of British Climatology .....	11
Memorial Bronzes at the Meteorological Office .....	237
Meteorites to the Earth, The fall of	53
Meteorological Appointments .....	207
— Luncheon, The, by E. Gold ...	174
— News and Notes, 15, 35, 79, 122, 207, 252; Notes on the Months of 1911, 19, 39, 59, 83, 103, 127, 147, 167, 187, 211, 235, 259	
— Office, Memorial Bronzes at the	237
— Society, Royal, 11, 26, 47, 76, 92, 119, 223, 243; Council of the, 12; Dinner of the .....	93
— — Scottish .....	32
Meteorology at the British Association, 149; by E. Gold, 174, 179, 195	
Meteorite, The Tale of a .....	10
Mill, Dr. H. R., on "Rain," 149; and C. Salter on the Frequency and Grouping of Wet Days in London .....	92
Millimetres or Inches .....	33
Mossman, R. C., F.R.S.E., Abnormal Weather in South America during 1911, 238; Flood Rains in Buenos Aires, 97; The Probable Rainfall during the Summer .....	88
Movement of Rain on May 31st, 1911 .....	112
Newspapers, A Lecture and the ...	203
Nigeria, Southern, Diurnal range of barometer in, 117; Climatology of, by C. A. A. Barnes, C.E. ....	245
November, 1911, The Weather of, by F. J. Brodie .....	221
— 22nd, Tendency for frost and snow around .....	251
OBITUARY :—	
Galton, Sir Francis, F.R.S. ...	21
Edwin, Commander Robert Atherton, R.N. ....	162
Wind, Prof. Cornelius Harm..	241

	PAGE
Observational Sciences, Prof. H. H. Turner, F.R.S., on the Characteristics of the.....	150
October, 1911, The Rainfall of, 199; The Weather of, by F. J. Brodie.....	194
Oder Valley, Summer floods of the (review).....	253
Paries cloud, The .....	250
Parkinson, F. B., Great heat in a thunder squall .....	201
Phenological Observations for 1910, E. Mawley on .....	93
Planetary rainfall .....	161, 179
Pressure Gradients and Gale frequency, Monthly, by L. C. W. Bonacina .....	22
Rain, Dr. H. R. Mill on .....	149
— drop experiments, S. C. Russell on .....	119
— Faking Foolishness .....	15
— Insurance against .....	41, 45, 92
— Temperature of .....	199
Rainfall of February, 1911, 24; of June, 1911, in the Thames Valley, 121; in October, 1911, 199; of the months of 1911, 16, 17, 18, 36, 37, 38, 56, 57, 58, 80, 81, 82, 100, 101, 102, 124, 125, 126, 144, 145, 146, 164, 165, 166, 184, 185, 186, 208, 209, 210, 232, 233, 234, 256, 257, 258; of 1911, 242; of 1826, 250; during the summer, The probable, by R. C. Mossman, F.R.S.E., 88; in Snowdonia, 201; in spring and summer, Rothesay, 116; in the North of England, Heavy.....	116
— Gun-firing and .....	35
— Planetary.....	161, 179
— Records, Prof. H. H. Turner, F.R.S., on What we can Learn from .....	47
Range of Barometer in Southern Nigeria, Diurnal .....	117
Recurrence of Warm and Cold Periods, The .....	12
REVIEWS:—	
Monthly Distribution of Australian Rainfall, issued under the direction of H. A. Hunt.....	15
Waves of the Sea, and other Water Waves, by Dr. Vaughan Cornish .....	28
What will the Weather be? By H. G. Busk .....	78
On the Bai-u, or Rainy Season in Japan, by T. Okada .....	78

REVIEWS (*continued*)—

	PAGE
Handbuch der Ozeanographie, von Dr. Otto Krümmel, Band II., Die Bewegungsformen des Meeres (Wellen, Gezeiten, Strömungen).....	97
Weather Science, an Elementary Introduction to Meteorology, by F. W. Henkel.....	142
Handbuch der Klimatologie, Band III., Klimatographie, von Dr. Julius Hann.....	143
Hints to Meteorological Observers, by W. Marriott.....	143
Climatic Control, by L. C. W. Bonacina .....	182
Weather Wisdom in Agriculture with Hints on Forecasting, by R. W. Dunlop.....	183
Characteristics of Existing Glaciers, by W. H. Hobbs ...	206
Sixth Annual Report of the Meteorological Committee for the year ended March, 1911 ...	207
Atlas de Finlande, 1910.....	252
Meteorologische Untersuchungen über die Sommerhochwasser der Oder, von Prof. G. Hellmann und Dr. v. Elsner .....	253
Rogers, H. K. G., Our Arctic Spring, 76; The Rainfall of 1826, 250; Small Range of Temperature.....	251
Rothesay Rainfall in Spring and Summer .....	116
Rowswell, B. T., Heat and Drought at Guernsey.....	227
Russell, S. C., Complex System of Halos, 55; On Rain-drop Experiments, 119; The Great Thunderstorm of May 31st, 1911, 96; and R. Cooke, on Well-depth compared with Rainfall .....	26
Salter, Carle, Dr. H. R. Mill and, on the Frequency and Grouping of Wet Days in London ...	92
Schuster, Dr. A., F.R.S.....	207
Sedgwick, W., Weather in the Seventeenth Century, 61, 107, 169, 213	
September, 1911, in London, Hot Weather of, 173; The Weather of, by F. J. Brodie.....	177
Seventeenth Century, Weather in the, by W. Sedgwick, 61, 107, 169, 213	
Snow Spot in Wales, The Latest ..	139
— Spots, Our Permanent .....	160

	PAGE		PAGE
Snowdonia, Heavy Rain in .....	201	Von Elsner, Dr., and Prof. G. Hellmann, Summer Floods of the Oder Valley (review) .....	253
South America, Abnormal Weather in, during 1911, by R. C. Mossman, F.R.S.E. ....	238	Walker, A. O., Fall of Temperature in Bright Weather... ..	106
Spring, Our Arctic .....	75	Warm and Cold Periods, The Recurrence of .....	12
Strachan, R., Disappearance of Cloud at Evening .....	157	Watersheds .....	73
Summer of 1911, The Abnormal... ..	223	Waves of the Sea, by Dr. Vaughan Cornish (review) .....	28
Sutton, J. R., Planetary Rainfall .....	161	Weather Charts in Australian Newspapers .....	226
Symons Gold Medal, The.....	252	— Forecasts, The Utility of .....	122
Tawney, Miss E. M., How our Hottest Summer on record would appear in the South of Europe .....	200	— in South America during 1911, Abnormal, by R. C. Mossman, F.R.S.E. ....	238
Temperature of July, 1911, in London, 120; of July and August, 1911, in London, 153; of July-September, 1911, in London, 173; of Rain, 199; of 100° in the shade at Greenwich, 159; Small range of ...	251	— in the Seventeenth Century, by W. Sedgwick .....	61, 107, 169, 213
Thames Valley, The Rainfall of June, 1911, in the .....	121	— Maps, The Use of Daily .....	54
Thunder Squall, Great Heat in a Thunderstorm of May 31st, 1911, 95; Movement of Rain in the .....	112	— Science, by F. W. Henkel (review) .....	142
Thunderstorms of May, 1911, The .....	89	— Wisdom in Agriculture, by R. W. Dunlop (review) .....	183
Turner, Prof. H. H., F.R.S., on The Characteristics of the Observational Sciences, 150; on What we can learn from Rainfall Records.....	47	Well-depth compared with Rainfall, R. Cooke and S. C. Russell on .....	26
United States Weather Bureau Library, The .....	251	Wet Days in London, Dr. H. R. Mill and C. Salter on the Frequency and grouping of.....	92
Vint, W. F., Heavy Rainfall in the North of England.....	116	Wind, Prof. C. H. (obituary) .....	241
		Winter Anticyclones, The supposed cold of.....	34, 52, 69, 71, 228
		Wireless Weather Telegrams .....	79
		Zodiacal Light, The, 225; by F. W. Henkel .....	189

## LIST OF ILLUSTRATIONS.

Memorial Tablets at the Meteorological Office .....	<i>Frontispiece</i>
Rainfall of the months of 1911 in the Thames Valley (maps) <i>face pp.</i> 10, 24, 49, 67, 89, 121, 131, 155, 177, 194, 221, 243	
Thermometers as set up at Colombo Observatory .....	<i>page</i> 2
Plan of the Colombo Observatory.....	„ 3
Meteorological Station at Medicine Hat.....	„ 31
Complex system of Halos seen from Epsom on March 8th, 1911 .....	„ 55
Diagram illustrating flow of Fluids .....	„ 87
Percentage of the Average Rainfall at Cordoba, January—March, and for N.E. England, July—September (diagram) .....	<i>face p.</i> 88
The Drought of July, 1911 (map) .....	„ 130
Chimney of Meltham Hall damaged by lightning.....	<i>page</i> 139
Australian Weather Chart (map) .....	„ 226
The Departure of Mean Temperature, June to August, 1911, from the Average in Argentina (map).....	„ 239
The Rainfall of 1911 in Relation to the Average .....	<i>face p.</i> 242
Rainfall at Lagos and Ibadan, 1907—1910 (diagram) .....	<i>page</i> 246
Average Maximum Shade Temperature in Southern Nigeria (map).....	„ 247

