

1383
13

INDEX.

PAGE	PAGE
Agricultural Society's Show at Newcastle, Royal 96, 131	Boedicker, Dr. Otto, Black Rain in Ireland 2
Aiginetes, Demetrius, The Climate of Greece (review)..... 196	Bonacina, L. C. W., Meteorology at the Franco-British Exhibition, 126, 147, 174, 189 ; On the Learning of Meteorology, 10, 30 ; Some great Frosts of recent Winters, 50 ; The Black Bulb, 173 ; The Glamour of the Cumulus, 87 ; The Snow-storm of Easter, 1908..... 69
Air, The Mastery of the..... 225	Boys, Rev. H. A., A White Rainbow, 8 ; The Easter Snow-storm of 1908 74
Aitken, J., F.R.S., Ions as nuclei of condensation 118	British Association, The, 145 ; Meteorology at the... 139, 185 206
Akerblom, F., Atmospheric Currents over Paris (review) 247	British Rainfall, 1907 119, 170
Antarctic Meteorology—a review, by L. C. Bernacchi..... 165	Brodie, F. J., The Weather of the Months of 1908... 17, 33, 58, 75, 86, 111, 131, 150, 177, 191, 206, 232
Anticyclonic Belt of the Southern Hemisphere, The..... 77	Brook, C. L., The Temperature of Easter, 1908, 68 ; The High Autumn Temperatures 214
April, 1908, The Cold Weather of, by F. J. Brodie, 75 ; Thunderstorms of 3rd - 5th 55	Browett, C., on Snow Rollers 26
-- Snows, by W. F. Denning 93	Brown, A. H., Great Range of Temperature 172
Ashworth, Dr. J. R., The Meteorology of Rochdale (review)..... 240	Bruce, E. S., on Scientific Kites... 230
August, 1908, The Weather of, by F. J. Brodie 150	Bryant, W. W., Great Range of Temperature 172
Autumn Temperatures, The high, 193, 214, 215	Bushey Park, Tornado in 153
Bailey, S. J., Peruvian Meteorology (review) 246	Calcutta, Torrential Rains in 199
Balloon Ascents, Registering 230	Canterbury, Great Hail Storm at... 173
-- Observations at Birdhill, 216 ; at Ditcham Park..... 231	Case, C. A., Size of Hail Stones... 38
Barometric Oscillations, July 12th, 1908..... 135	Casella & Co., Messrs..... 58, 199
Bates, Rev. D. C., Dry Period and Rain-making Experiments at Oamaru..... 107, 137, 156	Cave, C. J. P., on Balloon Observations, 231 ; on Registering Balloon Ascents 230
Behre, Otto, The Climate of Berlin (review) 196	Chisholm, G. G. 32
Bemmelen, Dr. W. van, On the Rainfall in Java (review) 227	Chree, Dr. C., F.R.S., and R. C. Mossman, F.R.S.E., Scottish National Antarctic Expedition (review) 97
Ben Nevis Meteorological Observations 79	Chrystie, Col. G., The Easter Snowstorm of 1908 73
-- Observatory 32	Clark, J. E., The Warm Autumn at York..... 193, 215
Bentley, R., on Sunshine Cards, 92 ; The Easter Snowstorm of 1908..... 72	Climatological Tables for the British Empire 24, 44, 64, 84, 104, 124, 144, 164, 184, 204, 224, 252
Besson, Louis, The White Rainbow 35	Cold of December 29th 234
Bigg-Wither, Col. A. C., Weather of the last days of 1908..... 233	Colour of Lightning, The..... 91
Birkbeck, Morris, The Easter Snowstorm of 1908 73	Conference in Canada, Meteorological (Proposed) 19, 57, 119
Black Bulb, The 7, 38, 151, 173	
Blair, J. M., The Snowstorm of Easter, 1908 69	

INDEX.

PAGE		PAGE	
Cook, J., Mysore Meteorological Memoirs (review).....	247	Forecasting Storms, A simple method of	95
Cornwall, The Mild Winter in.....	234	Foster, Mrs. J. H., Storm of June 4th, 1908.....	94
Correlation, An explanation of ...	129	Fox, W. L., The Mild Winter in Cornwall	234
Cruls, Prof. L.	199	Franco-British Exhibition, The, 76, 198 ; Meteorology at the, by L. C. W. Bonacina ...	126, 147, 174, 189
Cumulus, The Glamour of the, by L. C. W. Bonacina	87	Fraser, D. A., Large Hail in Sunshine	154
Dallas, W., Meteorological Atlas of the Indian Seas (review) ...	238	Frosts in recent Winters, Some great, by L. C. W. Bonacina	50
Darwin, Sir G. H., K.C.B., F.R.S., Scottish National Antarctic Expedition (review)	97	Gaster, F., The Black Bulb	151
Davis, W. M., Practical Exercises in Physical Geography (review)	243	German Meteorological Society, The, 169 ; Prize offered by the	179
Dawn of Meteorology, The	53	Gibbs, L., The Hongkong Typhoon of September 18th, 1906.....	130
De Bort, L. Teisserenc	5	Gold, E., Barometric Gradient and Wind Force (review). 197 ; on Ship's Barometer readings ...	27
December, 1908, the Weather of, by F. J. Brodie, 232 ; the cold of 29th	234	Goodacre, Rev. C. B., A White Rainbow	8
Denning, W. F., April Snows, 93 ; Coming Meteors, 117 ; The Meteors	152	Green Flash, The	154
Dines, W. H., F.R.S., The Easter Snowstorm of 1908, 72 ; The Presentation of Rainfall Statistics	236	Green, H. W., Heavy Rainfall in Dorset.....	192
Diurnal Range of Temperature, Great, 79 ; Small	213	Haidarabad, Floods at	198
Dorset, Heavy Rainfall in	192	Hail in Sunshine, 154 ; at Canterbury	173
Douglas, The Corporation of, and Meteorology	97	Hailstones, size of	38
Dover, J., Temperature Extremes	56	Hamberg, H. E., Air Temperature in Sweden (review)	241
Drought, Effects of the	139	Hamlin, G., Small Diurnal Range of Temperature	193
Druce, F., Parhelia	95	Hann, Dr. Julius Daily March of Temperature in Outer Tropical Zone (review), 241 ; Diurnal Variation of Wind Force in Southern India (review), 246 ; Handbook of Climatology (review)	237
Easter Snowstorm of 1908.....	65, 74	Harries, H., on the German Meteorological Society	215
Egypt, Upper Air Observations in Egyptian Daily Weather Report	90	Hawke, E. L., Great Range of Temperature, 155 ; The Cold of December 29th.....	234
Eiffel, G., Comparisons of Meteorological Elements at various French Stations (review), 243 ; Meteorological Atlas for 1907 (review), 243 ; Researches on the Resistance of Air (review)	13	Hellmann, Prof. G., 18 ; on The Dawn of Meteorology.....	53
Eliot, Sir John, K.C.I.E., F.R.S. (obituary)	78	Henshaw, R. S., Heavy Rainfall in Dorset	192
Electrical state of the Upper Atmosphere, Investigation of	216	Hepworth, Capt. Campbell, C.B., Black Bulb Temperature	38
Elliot, Miss G., The Easter Snowstorm of 1908	72	Herne Bay, Heavy Rainfall at.....	136
Ellison, Rev. W. F. A., The Presentation of Rainfall Statistics	212	Hill, W., Whirlwind in North Hertfordshire on June 4th, 1908.....	113
Falkland Islands, Observations in February, 1908, The Weather of, by F. J. Brodie, 33 ; The Rainfall of, 34 ; The Storm of 22nd	39	Hongkong Typhoon of September 18th, 1906, The.....	130
Floods at Haidarabad	36		
Fog, Photographs of the Upper Surface of	198		
	199		

INDEX.

v.

PAGE		PAGE
9	Hooker, C. P., A White Rainbow	58
129	Hooker, R. H., on Correlation.....	
73	Horner, D. W., The Easter Snow-storm of 1908	15
89	Hot Wind in New Zealand, A.....	199
244	Hunt, H. A., A new form of Pressure Anemometer (review), 240; Rainfall Map of Australia (review)	216
116	Hunter, J., High Temperature of May in Derbyshire	225
28	Hygrometers without calculation	
159	Icebergs in the Atlantic	
118	Ions as Nuclei of Condensation ..	
2	Ireland, Black Rain in, by Dr. O. Boeddicker	70
136	Izzard, A., Heavy Rainfall at Herne Bay	73
17	January, 1908, The Weather of, by F. J. Brodie	76
227	Java, Dr. Van Bennemelen, on the Rainfall of.....	86
239	Jones, R. Ll., Types of Weather in Madras (review)	240
135	July, 1908, The Rainfall of, 125; The Weather of, by F. J. Brodie, 131; Barometric Oscillations on 12th	16
113	June, 1908, The Weather of, by F. J. Brodie, 111; Storm of the 4th, 94; Whirlwind on 4th, by W. Hill	146
90	Keeling, B. F. E., on Upper Air Observations in Egypt	
230	Kites, Scientific	
26	Lancaster, A. Albert (obituary). .	
173	Lander, A., Great Hail Storm at Canterbury	
219	Latham, Baldwin, c.e., and R. A. Tatton, c.e., Effects of Rainfall on the flow of Sewage.....	
216	Ley, Captain C. H., on Balloon Observations at Birdhill	
91	Lightning, Colour of	
154	Lippincott, R.C.C., The Green Flash	
235	Lockwood, A., Heavy Rainfall in Snowdonia, 136; Snowdonia's traditional August floods	
239	Lockyer, Sir Norman, Mean Monthly Barometric Pressure	
178	London, High Temperature in.....	
194	MacDowall, A. B., Weather Prediction	
74	Machin, W. G., The Easter Snow-storm of 1908	
216	Makower, W., Electrical State of the Upper Atmosphere	
5	Map Studies of Rainfall, Dr. H. R. Mill on	
	March, 1908, The Weather of, by F. J. Brodie	237
	Marchant, Victor E., The Climatology of La Paz (review)	217
	Marriott, W., Lectures by.....	
	Marsden, E., on Electrical State of the Upper Atmosphere	19
	Mastery of the Air, The	
	Mathison, J., The Easter Snow-storm of 1908	
	Matthews, W., The Easter Snow-storm of 1908	
	Mawley, E., on Phenological Observations for 1907	
	May, 1908, High Temperature of, 116; Rainfall of, 85; Weather of, by F. J. Brodie	
	Meinardus, W., The Climate of Heard Island (review)	
	Meissner, Otto, Meteorological Elements and their Observation (review).....	
	Mellish, Lt.-Col. H., Temperature Extremes	
	Merz, Dr. Alfred, The Climatology and Hydrography of Central America (review)..	
	Meteorological Breakfast, 1908, 139, 146	
	— Conference in Canada (proposed).....	16
	— News and Notes ..18, 32, 57, 79, 139, 159, 179, 235	
	— Notes on the Months...23, 43, 63, 83, 103, 123, 143, 163, 183, 203, 223, 251	
	— Observations at Tristan d'Acunha, 19.	
	— Office, The, 96; Conferences at 198	
	— Society, German.....169, 215, 179	
	— Montevideo	19
	— Royal, 5, 26, 53, 76, 90, 94, 96, 129, 198, 215 230; Council of the, 7; Dinner of the, 105; Essay Competition of the.....	55
	— Scottish	118, 217
	Meteorology, Antarctic—a review, by L. C. Bernacchi.....	165
	— at the British Association, 139, 185; at the Franco-British Exhibition, by L. C. W. Bonacina.....	189
	— On the learning of, by L. C. W. Bonacina, 10, 30; Dawn of ...	53
	Meteors, The, 152; Coming.....	117
	Mill, Dr. H. R., 32, 199, 235; on Map Studies of Rainfall, 5; on Rain, 139; The Rainfall of Kent (review)	
	Mitchell, Sir Arthur, Scarlet Fever and Seasonal Influence	
	Montevideo Meteorological Society	

INDEX.

	PAGE		PAGE
Moore, Sir John, Is our Climate changing? (review).....	219	of October, 1908, 188 ; of November, 1908.....	206
Morize, Dr. H.....	199	— Records, Local	97
Mossman, R. C., F.R.S.E., Scottish National Antarctic Expedition (review), 97 ; The Black Bulb	151	— Statistics, Presentation of ...	212, 236
Negretti & Zambra, Messrs. ...	29, 57	Range of Temperature, Great, 155, 172 ; Small	193, 213
New Zealand, A Hot Wind in	89	Rawson, Col. H. E., R.E., C.B., on The Anticyclonic Belt of the Southern Hemisphere	77
Norwich, The Storm of Feb. 22nd November, 1908, Rainfall of, 205 ; Weather of, by F. J. Brodie...	206	REVIEWS :—	
Nowack, J. F., A simple method of Forecasting Storms	95	Report on the Administration of the Meteorological Department of the Government of India	13
Oakes, Rev. B. P., The Snowstorm of Easter, 1908	68	Recherches expérimentales sur la Résistance de l'Air, à la Tour Eiffel, par G. Eiffel	13
Oamaru, Dry Period and Rain-making Experiments, by Rev. D. C. Bates	107, 137, 156	Annual Report: Kodaikanal and Madras Observatories for 1906	14
OBITUARY :—		Die Neiderschlags-Verhältnisse von Deutsch-Südwestafrika, von Dr. Emil Ottweiler.....	14
Eliot, Sir John, K.C.I.E., F.R.S.	78	Relations between Mortality of Infants and High Temperatures, by Dr. E. van Everdingen	15
Lancaster, A. Albert.....	26	Hints to Meteorological Observers in Tropical Africa	15
Shield, G. W. C.....	19	Rapport de la Conférence météorologique internationale. Réunion d'Innsbruck, 1905	15
Strachey, Lt.-Gen. Sir Richard, G.C.S.I., F.R.S.	25	Estudio sobre la Climatología de la Paz, par Victor E. Marchant	15
October, 1908, Rainfall of, 188 ; Weather of, by F. J. Brodie...	191	Bulletin Météorologique du département de l'Hérault, 1906..	16
Ottweiler, Dr. Emil, Rainfall Conditions of German South-West Africa (review).....	14	Beiträge zur Klimatologie und Hydrographie Mittelamerikas, von Dr. Alfred Merz	16
Parhelion.....	95	Die Meteorologische Elemente und ihre Beobachtung von Otto Meissner	16
Parry, Maj. E. Gambier, The Easter Snowstorm of 1908 ...	71	The Psycho-Physical Aspect of Climate, with a Theory concerning Intensities of Sensation, by W. F. Tyler	17
Penzance, The Climate of.....	57	Konstant auftretende secundäre Maxima und Minima in dem jährlichen Verlauf der meteorologischer Erscheinungen. Von Dr. Van Rijckevorsel	
Phenological Observations, 215 ; for 1907	76	Scottish National Antarctic Expedition, 1902-4. Vol. II. Physics. Part I., Meteorology, by R. C. Mossman, F.R.S.E. Part II., Magnetism, by C. Chree, Sc.D., F.R.S., and R. C. Mossman, F.R.S.E. Part III., Tides, by Sir G. H. Darwin, K.C.B., F.R.S.	59
Preston, A. W., The Storm of February 22nd at Norwich ...	36		
Rain in Ireland, Black, by Dr. O. Boedicker	2		
— making Experiments at Oamaru, by Rev. D. Bates 107, 137, 157			
Rainbow, White	8, 35		
Rainfall, A contrast in	151		
— in the British Isles, The Geographical Distribution of, 45 ; in Calcutta, Torrential, 199 ; in Dorset, Heavy, 192 ; at Herne Bay, Heavy, 136 ; in Snowdonia, Heavy	136		
— Map Studies of, Dr. H. R. Mill	5		
— Monthly ... 20, 21, 22, 40, 41, 42, 57, 60, 61, 62, 80, 81, 82, 100, 101, 102, 120, 121, 122, 140, 141, 142, 160, 161, 162, 180, 181, 182, 200, 201, 202, 220, 221, 222, 248, 249, 250			
— of 1908, 226 ; of February, 1908, in the Thames Valley, 34 ; of May and of the first five months of 1908, 86 ; of July, 1908, 125 ;			

INDEX.

vii.

REVIEWS (con.)—	PAGE	PAGE	
Philips' Meteorological Calendar	99	Der tägliche Gang der Temperatur in der äusseren Tropenzone, von Dr. Julius Hann ...	241
The Observer's Handbook	132	Medaltal och extremer af Lufttemperaturen i Sverige, 1856-1907, af H. E. Hamberg	242
La Foudre et les Arbres. Etudes sur les Foudroiements d'Arbres constatés en Belgiques, 1884-1906, par E. Vanderlinden	133	Report on the Administration of the Meteorological Department of India in 1907-8.....	242
Third Annual Report of the Meteorological Committee	133	Comparaisons graphiques des principaux éléments météorologiques 1906, par G. Eiffel	243
Colony of Mauritius. Annual Report of the Director of the Royal Alfred Observatory for 1907	155	Atlas météorologique pour 1907, par G. Eiffel	243
Aspirations Psychrometer Tafeln	171	Practical Exercises in Physical Geography, by W. M. Davis...	243
Climate considered especially in relation to Man, by R. de Courcy Ward	194	The Relation of Anticyclonic Weather to the prevalence of La Grippe and Pneumonia, by C. M. Richter, M.D.	244
To Klimates Ellados. To Klimaton Athenon & Attikes, upo Demetriou Aiginetou.....	195	Report of the International Conference at Innsbruck, September, 1905.....	244
The National Physical Laboratory. Report of the Observatory Department for 1907	196	Rainfall Map of Australia, by H. A. Hunt	244
Das Klima von Berlin, eine meteorologisch-hygienische Untersuchung, von Otto Behre	196	Hourly Readings at four Observatories in connection with the Meteorological Office	245
Barometric Gradient and Wind Force, by Ernest Gold, M.A....	197	Bericht über die Tätigkeit des Königlich Preussischen Meteorologischen Instituts, 1907 ...	245
Transvaal Meteorological Department, Annual Report to June 30th, 1907	218	Ceylon. Administration Reports, 1907. Meteorology ...	245
Is our Climate changing? by Sir J. W. Moore, M.A., M.D., D.Sc.	219	Report of Rainfall Registration in Mysore, 1907, by N. Venkatesa Iyengar, B.A.	246
Royal Commission on Sewage Disposal, Appendix V. Upon the Effects of Rainfall on the flow of Sewage, by Baldwin Latham and R. A. Tatton	219	Nedbriagttagelser i Norge, 1907	246
Handbuch der Klimatologie, von Dr. Julius Hann	237	Die tägliche Variation der Windstärke in Südindien, von Dr. J. Hann.....	246
The Rainfall of Kent, by Dr. H. R. Mill.....	237	Peruvian Meteorology, by Solon J. Bailey	246
Meteorological Atlas of the Indian Seas and the North Indian Ocean, by W. Dallas	238	Nautical Meteorological Annual, 1907	247
Solar Physics Committee. Mean Monthly Barometric Pressure, by Sir Norman Lockyer	239	Results of Meteorological Observations in Japan, 1876-1905...	247
Types of Weather in Madras, by R. Ll. Jones, M.A.	239	Mysore Meteorological Memoirs, by John Cook, M.A.	247
A new form of Pressure Anemometer, by H. A. Hunt	240	Recherches sur les courants de l'Atmosphère audessus de Paris, par F. Akerblom...	247
Skizze des Klimas der Heard-Insel, Von W. Meinardus.....	240	Richter, Dr. C. M., Relation of Anticyclonic Weather to prevalence of La Grippe (review).	244
Analysis of the Meteorological Elements of Rochdale, by J. R. Ashworth, D.Sc.	240	Rio de Janeiro Observatory, The..	199
	240	Rogers, H. K. G., Low September Temperature.....	153
	240	Rowland, Rev. J., s.j., Small Diurnal Range of Temperature	214

INDEX.

PAGE	PAGE
Russell, Spencer C., Barometric Oscillations, July 12th, 1908, 135 ; on the Colour of Lightning, 91 ; Some Observations on Mist, Fog, 37 ; Thunderstorms of April 3rd—5th, 1908 55	tember 29th—October 4th, 178 ; of the Autumn...193, 214, 215
Salter, Carle, The Rainfall of Java 227	Thames Valley, Monthly Rainfall of the.....34, 57
Scafell, The Rain Gauge at 97	Thunderstorms of April 3rd—5th 55
Scarlet Fever and Seasonal Influence in Scotland 217	Tornado in Bushey Park 153
September, Low Temperature in, 153 ; Weather of, by F. J. Brodie..... 177	Tristan d'Acunha, Meteorological Observations at 19
Shaw, Dr. W. N., F.R.S., On Meteorological Organization, 185, 206 ; The Black Bulb..... 7	Tyler, W. F., Psycho-Physical Aspect of Climate (review) ... 17
Shield, G. W. C. (obituary) 19	Typhoon of September 18th, 1906, The Hongkong... ... 130
Ship's Barometer Readings 27	Van Everdingen, Dr. E., Mortality of Infants and high temperatures (review) 15
Short and Mason, Messrs. 28	Van Rijckevorsel, Dr., Secondary Maxima and Minima in the yearly course of Meteorological Phenomena (review) 59
Single, S., Tornado in Bushey Park 153	Vanderlinden, E., Lightning and Trees (review) 133
Skottsberg, Dr. Carl, Observations in the Falkland Islands..... 39	Waldegrave, Earl, A Contrast in Rainfall 151
Snow, April, by W. F. Denning... — Rollers 96	Walker, A. O., Phenological Observations 215
Snowdonia, Heavy Rainfall in ... — August Floods 136	Walker, Dr. G. T., F.R.S., Meteorological Atlas of the Indian Seas (review)..... 238
Snowstorm of Easter, 1908, The... 65, 74	Ward, R. de Courcy, Climate considered especially in Relation to Man (review) 195
Spring of 1908, The Cold 92, 117	Watt, Andrew, on Climate, 19 ; on Meteorology 219
Strachey, Lt.-Gen. Sir Richard, G.C.S.I., F.R.S. (obituary) 25	Weather of the last days of 1908... — Prediction 233
Sunshine Cards 92	Whirlwind in North Hertfordshire on 4th June, by W. Hill 113
Symons, Gold Medal 5	White, Miss M., Electrical State of the Upper Atmosphere..... 216
Tarrant, H. Lester B., Avoiding a Thunderstorm 172	Wilson, Sydney, Great Diurnal Range of Temperature 79
Tatton, R. A., C.E., and Baldwin Latham, C.E., Rainfall and the Flow of Sewage (review) 219	Wireless Telegraphy from the Atlantic Ocean 235
Tawney, Miss E. M., The Easter Snowstorm of 1908 70	York, The Warm Autumn at 193, 215

...

LIST OF ILLUSTRATIONS.

The Mastery of the Air foreseen in 1804	<i>frontispiece</i>
Black Rain of October 8th—9th, 1907, in Ireland (map)	page 3
The Hygrodeik	" 28
Horticultural Hygrometer.....	" 29
Rainfall of the months of 1908, in the Thames Valley (maps) <i>face</i> pp. 34, 45, 65, 85, 105, 125, 145, 165, 185, 205, 227	
Rainfall of April 25th, 1908 (map)	<i>face</i> page 67
Whirlwind of June 4th, 1908 (map).....	" 114
Tree broken and twisted by Whirlwind near Quickswood	" 115
Oak Struck by Lightning	" 134
Barometric Oscillations, July 12th, 1908	" 135
Small Diurnal Range of Temperature (diagram)	" 213