

1383  
13

# INDEX.

	PAGE		PAGE
Abbe, Prof. Cleveland, The Relation between Climates and Crops (review) .....	172	Boys, Rev. H. A., Colour of Lightning, 108; The Summer Rainfall of 1906.....	211
Amir of Afghanistan on Rain .....	239	Bracke, A., Representation of Atmospheric Conditions (review) ..	15
Anemometer for Kites, Recording, by W. H. Dines, F.R.S. ....	24	British Association, Meteorology at the.....121, 141,	144
April, 1906, Rainfall of, 61; Weather of, 64; In New South Wales.....	109	<i>British Rainfall</i> , 1905 .....	145
Astronomical Observations, Influence of Temperature on... ..	45	Brodie, F. J., on Thunderstorms during 1881-1905.....	111
Atlantic Ice, Cold Weather and... ..	108	Brook, C. L., Audible Meteors ...	231
Atlas of India, Climatological (review) .....	181	Buchan, A., LL.D., F.R.S. and R. T. Omond, The Meteorology of Ben Nevis (review).....	35
Atmosphere, Dr. W. N. Shaw on Circulation of the... 54, 70, 85,	106	Buchan, The late Miss J. H. ....	45
August 2nd, 1906, Thunderstorm of..... 126, 133, 150,	228	Butler, W. B., The Great Heat ...	155
Aurora borealis .....	214	Cambridge and Huntingdonshire Rainfall Table .....	55
Backhouse, T. W., Continuous Rainfall, 92; Heavy Rainfalls ..	192	Campbell-Stokes' Sunshine Recorder, An Instrument for Adjusting .....	89
Bacon, T. W., A Contrast in Summer Rain .....	170	Canada, Rain-making in ..	115
Baden-Powell, Major B. F. S., The Science Year Book (review) ...	237	Carter, W. J., High Temperatures in March, 1906, 30; Thunderstorm of August 2nd .....	130
Baxendell, J., Fernley Observatory, Southport; Report for 1905 (review).....	174	Cave, C. J. P., Thunderstorm of August 2nd .....	131
Beaufort Scale of Wind Force, The.....	146	Chambers, C. P., Snow on Hill Sides .....	65
Bedford, H., Unusual Sky Colours ..	51	Cheshire, Heavy Rainfall in .....	63
Beira, Rainfall of .....	193	Chile Earthquake, Atmospheric Phenomena during the, by W. Gaw ..	226
Bentley, R., On Meteorology in Daily Life, 12; Thunderstorm of May 8th, 65; Unbroken Run of Days with Sunshine .....	169	Christy, W. M., Thunderstorm of August 2nd .....	131
Bigelow, F. Hagar, The Diurnal Periods in the Lower Strata of the Atmosphere (review) .....	194	Clayden, A. W., Cloud Studies (review) .....	51
Biggs, J. H. W., Nature's Revellée .....	233	Clayton, H. H. ....	115
Bland, F. H., The Great Heat ...	170	Climatological Tables for the British Empire 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 244	
Bonacina, L. C. W., Localization of Snow, 28, 48; On the Mode of Formation of Rain, 10; Storm at Weybridge on July 12th, 132; Storm Clouds on November 3rd, 192; Thunderstorms of August 2nd, 133; Treacherous Character of the English Spring.....	87	Cordeiro, F. J. B., Gyroscopes and Cyclones (review) .....	175
		Courtenay, Major G. H., The Green Flash .....	11, 91
		Curtis, J. A. ....	54
		Curtis, R. H., A Plea for the teaching of Meteorology, 184; Bright Sunshine in 1906 .....	221
		Cyclonic Distribution of Rainfall, The.....	31, 67

	PAGE		PAGE
De Bort, Teisserenc, on the Meteorology of the Free Atmosphere .....	113	Hann, Dr. Julius, Handbook of Meteorology (review) .....	35
Dechevrens, Rev. Marc, S.J., The Hydrothermodynamic Theory of Atmospheric Whirls (review) .....	15, 27	Harding, J. S. ....	54
Dines, W. H., F.R.S., Recording Anemometer for Kites, 24; Two New Light Meteorographs, 101; Typical Squall at Oxshott .....	112	Hawke, E. L., Thunderstorm of May 8th .....	65
Douglas, W. A. S., Fall of a Wireless Telegraphy Tower .....	201	Heat, The Great .....	153, 170
Drought in London, 62; in the South of England .....	149, 169	Hebron, Climate of .....	135
Durand-Greville, E., on The Law of Squalls and Thunderstorms .....	82	Hedges, K., Modern Lightning Conductors (review) .....	75
Earthquake Shock in South Wales — Atmospheric Phenomena during the Chile, by W. Gaw .....	226	Hellmann, Prof. Dr. G., Precipitation in the North German River Basins (review) .....	110
Eiffel, G. (reviews of works by) ...	111	Hepworth, Capt. Campbell, Cold Weather and Atlantic Ice .....	108
Electrical Resistance Thermometers .....	171	Hildebrandsson, Prof. H. H. ....	239
Eliot, Sir John, K.C.I.E., F.R.S. Climatological Atlas of India (review) .....	181	Hong-Kong, Typhoon at .....	171
Ewart, Miss M. A., Thunderstorm of August 2nd .....	131	Hooker, C. P., Rainfall Terminology .....	192
February and March, Cold in .....	50, 90	Hopkinson, J., Rainfall of January, 1906, 5; Thunderstorm of February 8th, 1906 .....	8
February 8th, 1906, Thunderstorm of .....	6, 90, 112	Horner, D. W., April Weather, 64; Drought in the South of England .....	149
Fireballs, Meteors and .....	191, 212	Hunt, H. M., April, 1906, in New South Wales .....	109
Fox, W. L., The Green Flash .....	234	Huntley, E., An Audible Meteor .....	190
Frankenfield, H. C., Floods of the Spring of 1903 in the Mississippi (review) .....	15	Hydrothermodynamic Theory ...	15, 27
Fritzsche, R., Precipitation, Run-off and Evaporation (review) .....	175	Hygrometer, Lambrecht's Polymeter and .....	151
Gaw, W., Atmospheric Phenomena during the Chile Earthquake .....	226	India, Climatological Atlas of .....	181
Godden, W., Thunderstorm of August 2nd .....	150	Instruments, The Packing of ...	9, 94
Golwin-Austin, Col. H. H., Thunderstorm of August 2nd .....	128	Jordan, J. B., Photographic Sunshine Recorders .....	168
Gold, E. ....	54	July 12th, Storm at Weybridge on .....	132
Green Flash in Fiction, The .....	68	June, 1906, Rainfall of .....	105
Green Flash on the Horizon, The .....	11, 21, 29, 41, 67, 68, 91, 150, 189, 209, 234	June 28—29, 1906, Rainfall of .....	102
Hall, W., Thunderstorm of February 8th, 1906 .....	8	Kite Committee, Report of the ...	144
Hahn, Dr. J., on The Influence of Temperature on Astronomical Observations .....	45	Kites, Recording Anemometer for, by W. H. Dines, F.R.S. ....	24
Hands, A., on So-called Vagaries of Lightning, 72; Lightning Research Committee, 93; On Lightning Conductors .....	230	Knoche, W., The Distribution of Heat (review) ...	53
		Lambrecht's Polymeter and Hygrometer .....	151
		Lander, A., Automatic Record of a Thunderstorm, 95; Photographic Sunshine Recorders ...	188
		Lectures, Meteorological, 54, 193, 215, 239	
		Lempfert, R. G. K., 54; Thunderstorm of February 8th ...	7, 90, 112
		Lightning, Colour of, 108; so-called Vagaries of .....	72
		— Conductors .....	230
		— Research Committee .....	93
		Line-Squalls and Thunderstorms ...	82
		Lippincott, R. C. C., The Green Flash .....	11, 29, 92, 190, 234
		Local Climatology and Orchard Sites, by A. O. Walker .....	205

# INDEX.

V.

	PAGE
Lunar Rainbow, Double...	214
Lyle, J., Radiation Phenomena in South Africa.....	166
Lyons, Captain H. G., Rains of the Nile Basin in 1905 (review)	195
MacDowall, A. B., Cold in February and March, 50, 90 ; The Sunspot Question.....	232
Machrihanish, Fall of the Wireless Telegraphy Tower at.....	201, 239
Maclear, Adm. J. P., Thunderstorm of August 2nd .....	126, 228
March, 1906, Cold in February and 50, 90 ; High Temperatures in	30
Margules, Max, On the Energy of Storms (review) .....	14
Marriott, W., Lectures by, 193, 215, 239 ; on the Abnormal Weather of the Summer of 1906, 207 ; Popular Meteorological Handbook (review) .....	238
Mascart, Professor .....	215
Masson, J., The Thunderstorm of February 8th, 1906 .....	9
Mathison, J., The Great Heat.....	155
Mawley, E., on Phenological Observations for 1905 .....	26
May, 1906, Rainfall of, 81 ; in Scotland.....	135
May 8th, Thunderstorm of.....	65, 94
McKendrick, Prof. J. G., F.R.S., The Green Flash .....	209
Mellish, H., Some Aspects of Meteorology (review), 54 ; The Great Heat .....	155
Meteorographs, Two New Light, by W. H. Dines, F.R.S. ....	101
Meteorological Breakfast, 1906, The — Committee, Report of the (review) .....	164
— Council, Report of the .....	73
— Discussions, Informal .....	215
— Exhibit for New Zealand, 115, 134 ; Exhibition .....	115
— Lectures .....	54, 193, 215, 239
— News and Notes, 13, 54, 115, 170, 193, 215, 239 ; Notes on the Months, 19, 39, 59, 79, 99, 119, 139, 159, 179, 199, .....	219, 243
— Society, Royal, 11, 26, 47, 72, 89, 111, 207, 228 ; Scottish .....	45, 135
Meteorology, A Plea for the Teaching of, by R. H. Curtis .....	184
— at the British Association .....	121, 141, 144
— in Daily Life .....	12
— Local Societies and .....	123, 141
— of the Free Atmosphere .....	113

	PAGE
Meteor, An Audible .....	190, 212, 231
Meteors and Fireballs .....	191, 212
Mill, Dr. H. R., On Absolute Drought in London. 62 ; On International Polar Congress, 207 ; On Local Societies and Meteorology, 123, 141 ; On " Rain," 171 ; On South Africa .....	48
Moore, A. R., Lunar Rainbow ...	214
Nash, W. R., Rainbows.....	214
New South Wales, April, 1906, in Nature's Reveille .....	109, 233
Newman, T. P., Rainfall of January, 1906, 5 ; Thunderstorm of May 8th, 94 ; Thunderstorm of August 2nd .....	129
Northumberland, Heavy Rainfall in .....	64, 92
November, 1906, Rainfall of .....	215
November 3rd, Storm Clouds on...	192
October, 1906, Rainfall of.....	187
Omond, R. T., On Temperature of Ben Nevis and Fort William, 46 ; and Dr. Buchan, The Meteorology of Ben Nevis (review) .....	35
Orchard Sites, Local Climatology and, by A. O. Walker .....	205
Oxshott, A Typical Squall at .....	112
Packing of Instruments, The .....	9, 94
Parson, Mrs., Rainfall of January, 1906.....	6
Paterson, Dr. A., on Climate of Hebron .....	135
Pearson, E., Heavy Rainfall in Cheshire.....	63
Pemba, Meteorological Observations at .....	47
Pennant, P. P., That's Why .....	232
Phenological Observations for 1905	26
Plenderleath, Commander W. C., Rainfall of January, 1906.....	5
Polar Congress, International	170, 207
Polymeter and Hygrometer, Lambrecht's .....	151
Preston, A. W., Thunderstorm of February 8th, 1906.....	8
Radiation Phenomena in South Africa, by J. Lyle .....	166
Rain, Mode of Formation of .....	10
Rainbows .....	214
Rainfall, Cyclonic Distribution of, 31, 67	
— Monthly, 17, 18, 37, 38, 57, 58, 77, 78, 97, 98, 117, 118, 137, 138, 157, 158, 177, 178, 197, 198, 217, 218, 241, 242 ; of South of England in January, 3 ; of April and of the first four	

	PAGE		PAGE
months of 1906, 61, 63, 64 ; of May and of the five months of 1906, 81 ; of May, 1906, in Scotland, 135 ; of June and the first half of 1906, 105 ; of June 28-29, 1906, 102 ; of the Summer Half-year, 1906, 161 ; of the Summer of 1906 in Wessex, 211 ; of October and of 1906, 187 ; of November, 1906, 215 ; of 1906 .....	223	REVIEWS ( <i>con.</i> )—	
— of Beira, 193 ; in Cheshire, 63 ; in Northumberland, 64, 92 ; at Sunderland .....	92, 192	Report of the Meteorological Council for the year ending 31st March, 1905.....	73
— Tables, The, 1 ; Cams and Hunts.....	55	Modern Lightning Conductors, by Killingworth Hedges .....	75
— Terminology.....	192	Die Niederschläge in den Nord-deutschen Stromgebieten, von Prof. Dr. G. Hellmann .....	110
Rainmaking in Canada, 115 ; and Sunshine .....	115	Dix Années d'Observations Météorologiques à Sèvres, 1892-1901, par G. Eiffel .....	111
Rambaut, Dr. A. A., F.R.S., The Green Flash on the Horizon ..	21, 41	Etudes pratiques de Météorologie et Observations comparées des Stations de Beaulieu, Sèvres et Vacquey, 1903, par G. Eiffel .....	111
REVIEWS :—		Types Généraux des Comparaisons Météorologiques appliquées à l'étude des Stations de Beaulieu-sur-Mer, Sèvres et Vacquey, 1905, par G. Eiffel ..	111
Travaux de la Station Franco-Scandinave des Sondages aériens à Hald, 1902-1903 .....	14	Les Observations Courantes en Météorologie et Comparaison des Stations de Beaulieu, Sèvres et Vacquey, par G. Eiffel .....	111
Ueber die Energie der Stürme, von Max Margules ..	14	A First Report on the Relations between Climates and Crops, by Cleveland Abbe.....	172
The State of the Ice in the Arctic Sea, 1904 .....	15	Memoirs of the Geological Survey. The Water Supply from Underground Sources of Lincolnshire, Suffolk and the East Riding of Yorkshire .....	173
The Floods of the Spring of 1903 in the Mississippi Watershed, by H. C. Frankenfield ..	15	Fernley Observatory, Southport. Report and Results of Observations for 1905, by Joseph Baxendell .....	174
La représentation des situations atmosphériques, par A. Bracke ..	15	The State of the Ice in the Arctic Seas, 1905 .....	174
La Théorie hydrothermodynamique des Tourbillons atmosphériques en face du problème des variations de la température de l'air, par R. P. Marc Dechevrens .....	15	National Physical Laboratory. Report of the Observatory Department for 1905 .....	175
Lehrbuch der Meteorologie von Dr. Julius Hann .....	35	Gyroscopes and Cyclones, by F. J. B. Cordeiro.....	175
The Meteorology of the Ben Nevis Observatories. Part III. Ed. by A. Buchan, LL.D., F.R.S., and R. T. Omond.....	35	Niederschlag, Abfluss und Verdunstung auf den Landflächen der Erde, von R. Fritzsche ..	175
Cloud Studies, by A.W. Clayden ..	51	Studies on the Diurnal Periods in the Lower Strata of the Atmosphere, by F. Hagar Bigelow ..	194
An Introduction to Practical Geography, by A. T. Simmons and Hugh Richardson .....	52	The Rains of the Nile Basin in 1905, by Captain H. G. Lyons ..	195
Ueber die räumliche und zeitliche Verteilung des Wärmegehalts der unteren Luftschicht, von Walter Knoche... ..	53	The Science Year Book. Ed. by Maj. B. F. S. Baden-Powell...	237
The Hygiene of the Zones, by R. De C Ward .....	53	The Life-History of Surface Air Currents, A Study of the Sur-	
Some Aspects of Meteorology, by H. Mellish .....	54		

	PAGE		PAGE
REVIEWS ( <i>con.</i> )—		Summer Rain, A Contrast in .....	170
face Trajectories of Moving		Sunshine in 1906, by R. H. Curtis .....	221
Air by W. N. Shaw, Sc.D.,		— Rain-making and .....	115
F.R.S., and R. G. K. Lempfert	237	— Recorders, Photographic... ..	168, 188
Popular Meteorological Hand-		— Run of Days with.....	169
book. Some Facts about the		Surrey Hills, Snow on the .....	48
Weather, by W. Marriott .....	238	Sunspot Question, The .....	232
Die meteorologische Äquator im		Sutton, J. R., The Packing of	
Stillen Ozean, von R. Wester-		Instruments .....	94
mann .....	238	Sydney Climatological Normals...	30
Richardson, Hugh, and A. T.		Symons Medal, The .....	12
Simmons, Practical Geography		Telegraphic delays .....	55
(review) .....	52	Temperature of Ben Nevis and	
Rogers, H. K. G., Thunderstorm		Fort William .....	46
of August 2nd .....	131	—, Monthly, 16, 36, 56, 76, 96, 116,	
Russell, Spencer C., Aurora bor-		136, 156, 176, 196, 216, 240; in	
realis, 214; The Great Heat,		March, 1906 .....	30
154; Thunderstorm of August		Terminology, Rainfall .....	192
2nd .....	130	Thunderstorm, Automatic Record	
Science Year Book, The .....	13	of a .....	95
Searle, G., The Great Heat .....	154	— of February 8th, 6, 90, 112; of	
Selby, B. P., Heavy Rainfall in		May 8th, 65, 94; of June 1st,	
Northumberland .....	64, 92	95; of August 2nd 126, 133, 150, 228	
Shaw, Dr. W. N., F.R.S., On Cir-		Thunderstorms during 1881—1905 .....	111
culation of the Atmosphere,		—, Line Squalls and .....	82
54, 70, 85, 106; The Life-His-		Thurburn, A., The Green Flash, 150, 210	
tory of Surface Air Currents		Typhoon, Severe.....	171
(review), 237; and Dr. G. C.		Udden, J. A., On the Cyclonic	
Simpson, on An Instrument for		Distribution of Rainfall.....	31, 67
Adjusting Campbell-Stokes		Vagaries of Lightning, So-called..	72
Sunshine Recorder .....	89	Waldegrave, Earl, The Drought... ..	169
Simmons, A. T., and H. Richard-		Walker, A. O., Local Climatology	
son, Practical Geography (re-		and Orchard Sites .....	205
view) .....	52	Ward, Prof. R. De C., The Hy-	
Simpson, Dr. G. C. .....	171	giene of the Zones (review) ...	53
(See also Dr. W. N. Shaw).		Watt, A., on Climate of Hebron,	
Sky Colours, Unusual .....	51	Syria, 135; on Rainfall of	
Smith, G. Michie, The Green Flash	91	May, 1906, in Scotland .....	135
Snow, Localization of.....	28, 48, 65	Weather Forecasts, Long Period... ..	55
Snowstorms of 1906, The Christmas	224	Weather Report, Weekly.....	13
South Africa as seen by a Meteoro-		Westermann, R., The Meteoro-	
logist .....	48	logical Equator in the Pacific	
— Radiation Phenomena in, by		Ocean (review).....	238
by J. Lyle .....	166	Weybridge, Storm at.....	132
Spring, Treacherous character of		Whitmell, C. T., The Green Flash	
the English, by L. C. W.		91, 189, 209	
Bonacina .....	87	Why? .....	211, 232
Squall at Oxshott, A Typical .....	112	Wilson-Barker, Capt. D., The	
Stevens, Miss C. O., on The Value		Green Flash .....	67
of a Projected Image of the		Wind-Force, The Beaufort Scale of	146
Sun for Meteorological Study	73	Wireless Telegraphy Tower, Fall	
Storm Clouds on November 3rd ...	192	of a, by W. A. S. Douglas 201, 239	
Strachey, Sir Richard.....	12	Wood, H. E. ....	54
Summer of 1906, Abnormal Wea-		Wood, J. G., Meteors and Fireballs	212
ther of the, 207; Rainfall of		Woods, J. W., Rainfall of January,	
the .....	161, 211	1906 .....	5

## LIST OF ILLUSTRATIONS.

Duration of Sunshine in 1906 (map) .....	<i>Frontispiece.</i>
Rainfall of January, 1906 (map) .....	Page 4
Registering Arrangement of Kite Anemometer .....	„ 24
Method of attaching Supplementary Kite .....	„ 25
Diagram of the Cyclonic Distribution of Rainfall ( <i>Fig. 1</i> ) .....	„ 32
„ „ „ „ ( <i>Fig. 2</i> ) .....	„ 33
Diagram explanatory of Green Flash.....	„ 41
Barogram of Line Squall .....	„ 84
Isobars showing two Line Squalls .....	„ 84
Automatic Record of a Thunderstorm .....	„ 95
The Dines' Light Meteorographs.....	„ <i>face</i> 101
Rainfall of June 28-29, 1906 (map).....	„ 103
Photographic Sunshine Records .....	„ 188
Wireless Telegraphy Tower at Machrihanish .....	„ 202
Concrete Block with Stays of ditto .....	„ 203
Foundation of ditto .....	„ 203
Rainbows .....	„ 214

