

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

- Abbey Church, Barnwell, 208
 Abbots Bromley, 157
 Abington, 5, 146
 height of Boulder Clay at, 161
 gravel of Lowest Terrace at, 217
 Park, Ancient River Gravels at, 194
 Age of
 Cambridge valley, 159
 March Gravel, 198
 Ancient River Gravels, 192
 Alaska, 169, 174
 Aldreth, Lower Greensand ridge near, 52
 Neolithic implements at, 239
 Altitude of
 Fenland, 7
 East Anglia in Glacial period, 172
 Amber in Cambridge Greensand, 103
 Ammonia, action of, 102
 Ampthill Clay, 10, 23
 characters and thickness, 24
 occurrence and exposures, 24
 economics, 26
 palæontology, 26
 thickness of Lower Greensand at, 49
 Analysis of
 phosphatic nodules, 61
 Red Chalk, 86
 Glauconite grains, 100
 phosphatic nodules, 101
 Ancient river-gravels, 191
 Anticlinal below valley of Ouse, 12, 18
 supposed to exist at Upware, 31
 at Burwell, 128
 Antiquity of
 drainage system, 5, 6, 7
 Cambridge valley, 160, 161
 Man, 237
 Aptian, 47, 64
 Arctic regions, ice-foot in, 164
 Arlesey, Gault at, 76
 Arrington, 124
 Ashdon, 155
 Ashwell, source of Rhee at, 4
 Gault at, 76, 79
 Totternhoe Stone at, 128
 Zone of *Bel. plena* at, 136
 Aspect of the Fenland, 223
 Atherfield Clay, 51, 57, 73
 Audley End, 161
 Babraham, 5
 Zone of *Rhynch. Cuvieri* at, 140
 Terebrat. gracilis, 142
 valley of Lin at, 161
 High Level Gravels near, 182
 Balsham, 146
 height of Boulder Clay, 159, 161
 Gravels of Ancient River System near, 194, 195
 Bargate Stone, 73
 Barkway, Chalk Rock at, 146
 Upper Chalk at, 151
 Barley, Chalk Rock at, 146
 Barnwell, Gault pits at, 81
 Abbey, 208
 Terrace, 205
 fossils of the, 210
 cut rib in, 237
 Barrington ridge, 80
 Chalk Marl at, 124, 125

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

265

- Barrington (*cont.*)
 gravels at, 205
 Palaeolithic implement at, 237
 Hill, Linton, loam on, 155
 Height of Boulder Clay on, 161
 High Level Gravel on, 183
 Bartlow, loam near, 155
 base of Boulder Clay at, 156
 supposed Middle Glacial beds at, 162, 163, 171
 gravels of Ancient River System at, 194
 gravel of Lowest Terrace at, 217
 Hills, Neolithic implements on, 239
 Barton ridge, Gault, south of, 80
 road, Gault pit on, 81
 Chalk Marl at, 124
 course of ancient river near, 194
 gravel ridge near, 207
 Hill, near Mildenhall, 200
 Mere, lake-dwelling in, 240
 Basement bed of Boulder Clay, 155
 Bedford, Oxford Clay at, 9
 Flint implements near, 238
 Bedfordshire, Lower Greensand in, 49, 51
 Gault of, 75
 Totternhoe Stone in, 128
 Belemnite Marls, 94, 135
 Biddenham, 237
 Blown sand near Mildenhall, 235
 Bluntisham, 6
 Oxford Clay at, 10, 12
 Elsworth Rock at, 16
 Clay, 23
 Amphill Clay near, 25
 height of Boulder Clay near, 161
 gravels near, 184, 197, 219
 water at, 240
 Bottisham on Chalk Marl, 124
 Fen, 221, 225, 239
 Boulders in Cambridge Greensand, 95, 103
 in Lower Greensand, 56
 in Boulder Clay, 154, 155
 Boulder Clay, 154
 characters and thickness, 154
 Boulder Clay (*cont.*)
 occurrence, 157
 contour of surface, 159
 mode of formation, 161
 in Roslyn Pit, 176
 water from, 242
 Bourn, the river, 5, 207
 Elsworth Rock at, 16
 Boulder Clay in valley of the, 161
 Intermediate Terrace of river, 214
 Lowest Terrace, 217
 Boxstones, 54
 Boxworth, Amphill Clay at, 25, 26
 Kimeridge Clay at, 40
 Lower Greensand near, 52
 Rock, 26
 Brandon, 238
 Creek, 222
 Brassil, 127, 129
 Bricks of
 Oxford Clay, 10, 11
 Amphill Clay, 26
 Kimeridge Clay, 40, 42
 Gault, 81
 Brickhill, 50, 52, 73
 Bridlington, 169
 Bronze Age, 240
 Buckinghamshire, Lower Greensand in, 48, 49, 51
 Totternhoe Stone in, 128
 Buckland, 98
 Building stone, Burwell Rock as, 127, 129
 Buried forests of the peat, 223, 225
 Burnt Fen, 232
 Burwell, Gault near, 77
 Rock, 93, 127, 85
 Chalk Marl at, 123, 124, 125
 Burwell Rock at, 128, 129
 Zone of *Hol. subglobosus* at, 133, 134
 Fen, peat of, 221, 231, 234
 Neolithic implements in, 237, 239
 Bury St Edmunds, 238, 240
 Butcher's Hill, Boulder Clay at, 158
 gravel at, 220
 Buttery Clay, 221, 229

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

266

INDEX.

- Calcite in septaria, 39
 Cam, the river, 4, 5, 6
 valley of, 158
 river system, terraces of, 187
 Cambridge, situation of, 2, 80
 gravels beneath town of, 215
 Railway Station, gravel near, 207
 Gault at, 76
 Greensand, 65, 77
 characters and thickness, 95
 occurrence, 98
 mode of formation, 99
 details of constituents, 100
 palæontology, 105
 exposures, 122
 in Roslyn Pit, 179
 valley, origin of, 159
 Capillary attraction, 86
 Carbonic acid, and phosphate of lime, 102
 Carstone, 50
 at Hunstanton, 83
 Casts, fossils as at Upware, 33, 64
 at Potton, 56
 in Lower Greensand, 73
 in Gault, 78
 of Foraminifera, 100
 Castle Hill, Chalk Marl at, 5, 125
 Ancient River Gravels on, 196
 Catworth, 181
 Causeway End Farm, Gault near, 80
 gravel at, 210
 Caxton, Lower Greensand and Ampthill Clay at, 25, 48
 Boulder Clay near, 156
 Cement Works at Mill Road, 122, 125
 Shepreth, 125
 Chalk, 93
 downs, 1
 erratics in Boulder Clay, 154
 Marl, 94, 122
 of erratic in Roslyn Pit, 178
 Chalk-pebbles in
 Boulder Clay, 154
 High Level Gravels, 182
 Ancient River Gravels, 192
 Chalk Rock, 93, 145
 characters, 145
 occurrence, 146
 Chalk Rock (*cont.*)
 palæontology, 146
 Chalky Boulder Clay, 154
 Chalkshire, 133
 Change in character of Lower Greensand, 49
 Chara, deposit formed by, 232
 Chatteris, Ancient River Gravels at, 192, 197
 Fen, Neolithic implements in, 239
 thermal springs at, 242
 Cherry Hinton Waterworks, 53, 241
 Chalk Marl at, 124
 Burwell Rock at, 127, 128, 129
 Zone of *Hol. subglobosus* at, 132, 133, 134
 Bel. plena at, 136
 Rhynch. Cuvieri at, 140
 Chert pebbles, 56
 Chesterford, 5
 Great, Boulder Clay near, 158
 Little, Boulder Clay near, 158
 old valley near, 161
 supposed Middle Glacial, 162, 164, 171
 loam at, 194
 Lowest Terrace at, 216
 Chesterton, Gault at, 80, 81
 Chalk Marl outlier at, 125
 Barnwell Terrace near, 208
 Intermediate Terrace, 215
 Common, Lowest Terrace on, 217
 Chettering Farm, Ampthill Clay at, 24
 Chettisham, 158
 Cheveley, Boulder Clay near, 159
 Ancient valley near, 200
 Chippenham Field, 220
 Chloritic Marl, 89, 98
 Chrishall Grange, Ancient River Gravel near, 193
 Christ's Piece, 215
 Classification of
 Jurassic beds, 9
 Chalk beds, 93
 Clays and Silts of the Fenland, 229
 Clayhithe, 81
 Clunch, 122
 Coates, 199
 Colne, gravels at, 197, 219

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

267

- Comberton, outlier of Chalk Marl at, 125
 gravel at, 207
 Common Cambridge Greensand fossils, 107
 Concretions, ironstone, 54
 Conger's Well, 146
 Conington, 158, 240
 Consequent rivers, 5
 Contemporaneous denudation, 16
 erosion in Lower Chalk, 133, 135
 Continental connection of England, 214
 fauna, immigration of, 189
 Contortions in Chalk, 173
 Copley Hill, 183
 Coprolites, definition of, 95
 see Phosphatic nodules
 Coral Rag at Upware, 32, 33
 Coral-reefs, 34
 Corallian rocks of Upware, 8, 29
 Coralline Oolite at Upware, 32, 33
 Coton, 5
 ridge, 80
 outlier of Chalk, 124
 Boulder Clay at, 158
 Neolithic implements at, 239
 Cottenham, Amphill Clay at, 24, 209
 Kimeridge Clay at, 40, 209
 Lower Greensand near, 52
 boundary of fenland near, 221
 Courses of ancient rivers, 193—200
 Coveney, 234
 Cretaceous beds, 47
 Crowland, 240
 Current action, 72, 136
 Curvilinear jointing, 132
 Cycles of denudation, 6
 De Freville Estate, 217
 Denny Abbey, 80
 Barnwell Gravel at, 209
 Intermediate Terrace near, 216
 Lowest Terrace near, 218
 boundary of fenland north of, 221
 Denudation, contemporaneous, 16, 135
 post-glacial, 7, 187
 pre-glacial, 6, 159
 Denver, 52
 Derivative fossils in
 Lower Greensand, 57, 58, 64, 69—71
 Cambridge Greensand, 105, 112
 Dersingham, 78, 127
 Diluvial theory, 174
 Diminution in thickness of Lower Chalk, 137
 Dip of beds at Upware, 31
 Ditton, 200
 Doddington, 198
 Donnington, 64
 Downham, 232
 Downing College, 214
 Drainage lines, pre-glacial, 6
 ancient, 191
 Dry Chalk valleys, 191, 200
 Dry Drayton, 158
 Dullingham, Chalk Rock at, 146
 Zone of *Hol. planus* at, 144
 Boulder Clay at, 156, 159
 gravels near, 200
 Dungate, 195
 Earith, 225
 Earth-movements, 174, 187—190
 East Road, 207
 Eastrey, 199
 Eaton Bray, 98
 Elsworth Rock, 15
 Boulder Clay at, 158
 Eltisley, 25
 Lower Greensand at, 48
 Ely, Isle of, 3, 225
 Kimeridge Clay at, 39, 40, 42
 Lower Greensand at, 52
 Gault fossils from, 81
 Boulder Clay, 158, 176
 Roslyn Pit, 176
 gravel at, 219
 Neolithic implements at, 239
 Eriswell, 200
 Erosion of Upper Gault, 75, 77
 Erratic in Roslyn Pit, 176
 Erratics in
 Cambridge Greensand, 103
 Boulder Clay, 154, 155
 Erratics transported by
 ice-burrows, 167
 ice-sheet, 170
 Escarpment, height of, 2

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

268

INDEX.

- Escarpment (*cont.*)
 face of, 7, 159
 Estuary of River Ouse, 222
 Eversden, outlier of Chalk near, 124
 Everton, Ampthill Clay at, 24
 Exning, 133
 gravel at, 200
 Extent of Chalky Boulder Clay, 157
 Extra-morainic lake theory, 167
- False bedding, 72
 Fault at Upware, 31
 Faults, supposed, 176
 Fellows' Gardens on the Backs, 217
 Fen Deposits, 221
 Fen Ditton, 5, 6
 Chalk Marl at, 124
 Ancient River Gravels at 196
 Fen Silt, 229
 Fenland, 2, 3, 7,
 formation of, 222
 Fenner's Ground, 215
 Fenny Drayton, 219
 Fenny Stanton, 219
 Fenny Stratford, 49
 Fenton, Ampthill Clay at, 24, 26
 Flexures in Gault, 96
 in Chalk, 146
 Flints, origin of, 149
 Floods, glacial, 168, 170, 174
 Foraminifera, casts of, 100
 Fordham, Lower Chalk at, 124, 128
 gravels at, 220
 boundary of fenland at, 221
 Forests, buried, 225
 Formation of
 phosphatic nodules, 102
 Boulder Clay, 161
 fenland, 222
 Fossils from
 Oxford Clay, 12
 Kimeridge Clay, 43
 Ampthill Clay, 27
 Lower Calcareous grit, 20
 Lower Greensand, 58, 65
 Coral Rag, 34
 Coralline Oolite, 38
 Gault, 81
- Fossils from (*cont.*)
 Red Chalk, 90
 Cambridge Greensand, 107, 109
 Chalk Marl, 126
 Burwell Rock, 129
 Zone of *Holaster subglobosus*, 134
Belemnites plena, 137
Rhynchonella Cuvieri, 140
Terebratulina gracilis, 142
Holaster planus, 144
 Chalk Rock, 147
 Upper Chalk, 151
 Ancient River Gravels, 200
 March gravels, 201
 Barnwell Terrace, 210
 Intermediate Terrace, 216
 Lowest Terrace, 218
 Peat, 227
 Buttery Clay, 230
 Fen Silt, 231
 Shell Marl, 232
 Fossil springs, 125
 Foxton, Lower Chalk at, 133, 136
 gravels at, 205
 Foulmire, 205
 Fulbourn, 6
 Chalk Marl at, 124
 Burwell Rock at, 128
 Zone of *Hol. subglobosus* at, 133
Ter. gracilis at, 142
 High Level Gravel near, 183
 gravels near, 218
- Gamlingay Clay, 24
 Bogs, Ampthill Clay at, 25
 Lower Greensand at, 48, 49
 base of Gault at, 81
 Gault, general remarks, 75
 characters and thickness, 75
 occurrence, 79
 economics, 81
 sections, 81
 palaeontology, 81
 of erratic in Roslyn Pit, 178
 superiour fossils in Cambridge Greensand, 106, 112
 Girton, 125
 gravels at, 197
 Glacial Drift, 154
 floods, 168, 184

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

269

- Glauconitic Marl, 77
 Glauconite, 95
 grains in Cambridge Green-sand, 100
 analysis, 100
 Godalming, Lower Greensand at, 73
 Godmanchester, Oxford Clay at, 11
 Gog Magog Hills, height of, 2
 synclinal beneath, 129
 middle chalk of, 140
 High Level Gravel on, 184
 Granta, the river, 4, 214, 216
 Grantchester, 5
 Chalk Marl at, 124
 Barnwell Gravel at, 207
 Intermediate Terrace at, 215
 Lowest Terrace at, 217
 Gravels, High Level, 181
 Hill, 181
 of the Ancient River-system, 191
 characters, 192
 of present river-system, 203
 near Wilbraham and Fulbourn, 218
 of the valley of the Ouse, 219
 of the tributaries of the Ouse, 220
 water in, 242
 Gravel Hill Farm, 196
 Great Chalky Boulder clay, 154
 Great Chesterford, Chalk Rock at, 146
 Boulder Clay boundary at, 158
 Great Gransden, Ampthill Clay near, 25
 Lower Greensand near, 48
 Great Ouse, valley of the, 238
 Great Wilbraham, Zone of *Hol. subglobosus* at, 133
 gravels at, 195, 196
 Grey Chalk, 94
 Grimston, Gault at, 77
 Chalk Marl beyond, 123
 Ground-moraine, 171, 173
 Guilden Morden, Gault at, 79
 Chalk Marl at, 123
 Haddenham, Kimeridge Clay at, 40
 Haddenham (*cont.*)
 Lower Greensand at, 52
 Hardwick, 124
 Harlington, 98
 Harlton, 79
 Harston, Chalk Marl at, 123, 124
 Burwell Rock at, 128
 Zone of *Bel. plena*, 136
 Ancient River Gravels at, 197
 Barnwell Gravel at, 205, 206
 Haslingfield, inlier of Gault at, 80
 Chalk Marl at, 124
 Burwell Rock at, 128
 Boulder Clay at, 158
 river near, 194
 Hauxton, 4
 Hauxton Mill, inlier of Gault at, 80
 Cambridge Greensand at, 122
 Chalk Marl at, 125
 Lowest Terrace at, 217
 Heacham, 50
 Height of Boulder Clay, 161, 172
 Height of Intermediate Terrace, 215
 Hertfordshire, Gault of, 75
 Totternhoe Stone in, 128
 Heydon, Chalk Rock at, 146
 Upper Chalk at, 151
 Heydon Grange, 193
 High Elm House, 209
 High Level Gravels, 181
 characters, 182
 distribution, 182
 origin, 184
 economics, 191
 Hill Gravels, 181
 Hildersham, High Level Gravels near, 183
 valleys near, 194
 Hilgay Fen, 225
 Hill's Farm, 183
 Histon, Ancient River Gravels around, 197
 Barnwell Gravel near, 209
 Hitchin, 76, 133
 Holderness Drift, 198
 Holywell, St Ives Rock at, 18
 Barnwell Gravel at, 219
 Homerton Training College, 124
 Horningsea, 5
 inlier of Gault at, 80

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

270

INDEX.

- Horningsea (*cont.*)
 Cambridge Greensand at, 122
 Chalk Marl at, 123, 124
 gravel near, 218, 219
 boundary of fen near, 221
- Hunstanton, 50, 64
 Red Chalk of, 83
 Lower Chalk at, 123, 127, 128, 133, 137
 marine gravels at, 199
- Huntingdon Road, 197
- Hythe Beds, 57, 73
- Ice-berg theory, 165
 Ice-foot theory, 163
 Ice-sheet theory, 169
 Ice-transported boulders, 104, 180
- Icklingham, 238
- Impington, brickyard near, 81
 trough of Boulder Clay at, 156
 gravels near, 209
- Indigenous fauna of Lower Greensand, 58, 65
 Cambridge Greensand, 108
- Inliers of Gault, 80
- Intermediate Terrace, 214
 fossils of, 216
- Intercrossing of erratics, 167, 173
- Ironstone, 50
 concretions, 54
- Islands in Fenland, 3
 of Boulder Clay, 158
- Isle of Wight, 73
- Isleham, 128
- Ivel, Lower Greensand escarpment on the, 49
- Jurassic beds, general remarks, 8
 succession of, 9
- Kellaways Rock, 9
- Kennett, gravels of the river, 200, 220
 Palæolithic implements at, 238
- Kent, Lower Greensand of, 73
- Kentford, gravels near, 200, 220
 Palæolithic implements near, 238
- Kimeridge Clay, 39
 characters and thickness, 39
 subdivisions, 40
 occurrence, 40
- Kimeridge Clay (*cont.*)
 economics, 43
 fossils, 43
 in Roslyn Pit, 177
 at Upware, 29
- Kingston, outlier of Chalk Marl near, 124
 Boulder Clay near, 158
- Knapwell, 25
 Kimeridge Clay at, 40
- Land-ice theory, 169
- Landbeach, 215
- Landwade, 200
- Lake, extra-morainic, 167-169, 185
- Lakenheath, gravels at, 200
 Palæolithic implements at, 232
- Lark, the river, 6
 valley of the, 220
 Palæolithic implements in valley of the, 239
- Lark's Hall, 195
- Leighton Buzzard, 51
- Lays School, 214
- Limestone in Oxford Clay, 10, 11, 12
 of Lower Calcareous grit, 15, 16
 of Upware, 29-38
 in Kimeridge Clay, 39
- Limonite, 64, 74
- Lin, the river, 5
 pre-glacial valley of the, 161
 Ancient Gravels of the, 193, 194
 river of Barnwell Terrace period, 206
 Intermediate Terrace of the, 214
 Lowest Terrace of the, 217
- Lincolnshire, Amptill Clay in, 25
 Kimeridge Clay in, 40
 erratics in, 181
 Wolds, 168
- Ling Hill, 200
- Linnet's Hall, 146
- Linton, 5
 Zone of *Rhynch. Cuvieri* at, 140
Hol. planus at, 144
 Boulder Clay at, 155, 158, 161
 High Level Gravel at, 183
 Ancient River Gravels near, 194

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

271

- Litlington, nodule bed at, 133
 Zone of *Bel. plena* at, 136
 Little Abington Grange, Zone of
 Ter. gracilis at, 142
 High Level Gravel at, 183
 Little Chesterford, 158
 Little Chishall, 151
 Little Ouse, the river, 6
 gravels of the, 222, 239
 Little Trees Hill, 183
 Little Wilbraham, 6
 Ancient gravels at, 196, 219
 Littleport, Kimeridge Clay near,
 40, 42, 43
 Boulder Clay at, 158
 gravel at, 220
 River Ouse above, 222
 Shell Marl near, 232
 Local glaciers, 172
 Lolworth, 158
 Long Meadow, 124
 Long Stanton, Ampthill Clay
 around, 25
 Boulder Clay near, 155, 156,
 159
 Ancient River Gravels at,
 197
 Longstowe, 156
 Lower Calcareous Grit, 15
 Palaeontology of, 19
 Lower Chalk, 94
 Lower Gault at Upware, 31
 Lower Glacial beds, absence of,
 162
 Lower Greensand, 47
 escarpment at Sandy, 10
 bounding Ampthill Clay, 25
 at Upware, 29
 relations, 48
 characters and thickness, 49
 occurrence, 51
 economics, 52
 special localities, 53
 fossils, 58-60, 65-71
 mode of formation, 72
 correlation, 72
 phosphatic nodules, 73
 in Roslyn Pit, 178
 Lower Kimeridge Clay, 25
 Lowest Terrace, 216
 Lydianite pebbles, 56, 72, 73
 Lynn Deep, 7, 235
 Madingley, 5
 Gault south of, 80
 Chalk Marl near, 125
 Boulder Clay near, 158
 Maids' Causeway, 215
 Malaspina Glacier, 169
 Mammalian remains at Barrington,
 206
 Manea, Boulder Clay at, 158
 Neolithic implement at, 239
 Marbled rock, 136
 Marham, 123
 Marine gravel at March, 198
 Hunstanton, 199
 March, 3
 Boulder Clay at, 158
 ancient estuary at, 192
 gravel at, 198
 Palaeolithic implement at, 238
 Melbourn
 Zone of *Hol. subglobosus* near,
 133
 Bel. plena at, 136, 137
 Rock, 93, 138
 occurrence, 139
 palaeontology, 139
 Merjelen Lake, 185
 Microscopic structure of nodules,
 101
 Middle Chalk, 138
 Glacial beds, 162, 171
 Sands of Cheshire, 184
 Midsummer Common, 237
 Mildenhall, 133
 Boundary of fenland near,
 221
 Palaeolithic implements at, 238
 Mill Road, 208
 Cement Works, 122, 125
 Milton, Intermediate Terrace at,
 215
 Fen, Lowest Terrace near, 218
 Road, Barnwell Terrace on,
 209
 Misleton Hill, 183
 Mollusca of Barnwell Terrace, 213
 Mount Pleasant, 196
 Mutlow Hill, 142
 Needingworth, 25
 gravel near, 219
 Nene, River, 223

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

272

INDEX.

- Neocomian, use of term, 48
 Neolithic man, advent of, 190
 celt in skull of *Bos*, 227, 239
 implements, 239
 New Yole Farm, 195
 Newmarket, 184, 195, 199, 239
 Zone of *Holaster subglobosus*
 near, 133
 Thickness of Lower Chalk at, 137
 Zone of *Rhynch. Cuvieri*, 140
 Newnham, 215
 Newnham Hall, 155
 Newport, 5
 Loams near, 193
 Newton, Zone of *Hol. subglobosus*
 at, 133, 134
 Nine Wells, 128
 Nodules, phosphatic, *see* Phosphatic nodules
 Nodule beds in Gault, 79
 Nodule bed of Cambridge Greensand, 96
 at Litlington, 133
 at Swaffham Bulbeck, 133
 Nodules in Melbourn Rock, 138
 Norfolk, thickness of Lower Greensand in S.W., 49
 Norfolk Gault, character of, 78
 North Hall, 193
 North Quarry, Upware, fossils from, 38
 Norwegian boulders, 104
 Oakington, 25
 Kimeridge Clay at, 40
 Lower Greensand near, 52
 Ancient River Gravels at, 197, 209
 Obsequent rivers, 4, 5, 6
 Observatory, Chalk Marl at, 125
 gravels near, 196, 197
 flint implement at, 237
 Old Croft river, 7, 222
 Old course of the Ouse, 219, 222
 Old North Road Station, 156
 Old pre-glacial channels, 156
 Old valleys, 161
 Old Welney River, 219, 222
 Oolitic limestone at Elsworth, 15
 at Upware, 31
 Origin of nodules in Cambridge Greensand, 102
 Origin of flints, 149
 Origin of Cambridge valley, 159
 Orwell, 80
 Cambridge Greensand at, 122
 Chalk Marl at, 124, 125, 205
 Ouse, the river, 4, 5, 6
 former course of, 7, 219, 222
 valley of the, 158
 gravels of the valley of the, 219
 Ousel, the river, 6
 Outliers of Upper Cretaceous, 124, 133
 Over, Ampthill Clay at, 24, 25
 Ancient River Gravels at, 197
 boundary of fenland at, 221
 Overlap of Gault, 49, 76
 Oxford Clay, 9
 characters and thickness, 10
 occurrence and exposures, 10
 palaeontology, 12
 Palaeolithic implements, 237
 Palaeozoic barrier, 49
 Pampisford, Zone of *Rhynch. Cuvieri* at, 140
 Ancient River Gravels at, 194
 Barnwell Gravel near, 207
 Hall, Zone of *Ter. gracilis* at, 142
 Papworth, Ampthill Clay near, 25
 Boulder Clay at, 158
 Parker's Piece, Barnwell Terrace on, 208
 Intermediate Terrace on, 215
 Peat, characters of the, 224
 thickness of the, 224
 divisions of the, 221, 224
 of the Fenland, 223
 Pebbles
 in Lower Greensand, 56, 62
 of High Level Gravels, 182
 of gravels of Ancient River system, 192
 Penelapin, 6
 Percentage of phosphate of lime, 101
 Peterborough, 9
 Phosphatic nodules in
 Ampthill Clay, 24
 Kimeridge Clay, 39, 41
 Lower Greensand, 50, 52, 56, 62, 63, 73

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

273

- Phosphatic nodules in (*cont.*)
 Gault, 78
 Cambridge Greensand, 95, 100
 Burwell Rock, 127
 High Level Gravels, 188
 Phosphatisation, 74
 Pidley, 184
 Pisolitic limestone at Upware, 81
 Plain of
 Gault, 79
 Jurassic Clays, 2
 Plants of the peat, 223
 Pleistocene deposits, 153
 Portland beds
 absence of, 9
 in Bucks, Lower Greensand
 resting on, 48
 Post-glacial denudation, 7
 Deposits, 187
 earth-movements, 187—190
 Potton, Lower Greensand at, 51, 53
 Pre-glacial determination of drain-
 age lines, 6
 origin of Cambridge valley, 159,
 161
 Present river-system, gravels of,
 202
 Purbeck beds
 absence of, 9
 in Bucks, Lower Greensand
 resting on, 48
 Pye Moor, 158
 Pyrites in
 Oxford Clay, 10
 Ampthill Clay, 24
 Gault, 79
 Quartz, pebbles of, 56, 85
 Quartzite pebbles, 56, 73, 103
 Quartz sand in Burwell Rock, 127
 Quendon, 4
 pre-glacial valley at, 161, 193
 Quy-cum-Stow, Chalk Marl at, 124
 Ancient River Gravels near,
 195, 196
 gravels near, 218
 Quy Mill, 218
 Rain-wash, 235
 Reach, Gault near, 77
 Chalk Marl at, 124
 Neolithic implements at, 239
 Recent Alluvium, 235
 Red Chalk, 83
 Clay of deep sea, 86
 Gault Marl, 78, 87
 Redland Hill, 194
 Reed, Chalk Rock at, 145, 146
 Upper Chalk at, 151
 Regions depending on geological
 structure, 1
 Rhee, the river, 4
 valley of the, 158, 205
 River Gravels, 187
 Rivers of Cambridgeshire, 4
 Rock-beds in the Chalk, 93
 Roslyn Hill
 Clay pit, Kimeridge Clay in, 41
 Erratic at, 176
 gravel near, 219
 Roydon, 77
 Royston, scenery near, 1
 Chalk Marl near, 125
 Zone of *Hol. subglobosus* near,
 133
Bel. plena near, 135, 137
Rhynch. Cuvieri near, 140
Ter. gracilis near, 142
 Upper Chalk near, 151
 Rugg stones, 79
 Saffron Walden, Boulder Clay
 near, 158, 161
 St Giles' Cemetery, 197
 St Ives, Oxford Clay at, 11
 Ampthill Clay at, 25
 Boulder Clay at, 158
 gravels at, 219
 St Ives Rock, 11, 16
 St Neots, Oxford Clay at, 11
 Rock, 11
 Sandgate beds, 73
 Sandringham, 50
 Sandy, scenery near, 2, 51
 Oxford Clay at, 10
 Lower Greensand at, 49, 51,
 53
 Santon Downham, 238
 Scandinavian ice-sheet, 167, 169,
 172
 Scenery of the Fenland, 223
 Scotch boulders, 104
 Scratches on saurian bone, 43
 Serobicularia Clay, 229

R.

18

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

274

INDEX.

- Sedge Fen, 232
 Selenite in
 Oxford Clay, 10
 Ampthill Clay, 24
 Kimeridge Clay, 39
 Septaria in
 Oxford Clay, 10
 Kimeridge Clay, 39
 Shanklin Sands, 73
 Shardelow's Well, 128
 Sharpen's Farm, 193
 Sheffield, 51
 Shelford, 5
 Chalk Marl at, 124
 Burwell Rock at, 128
 Zone of *Hol. subglobosus*, 133
 Bel. plena, 136, 137
 Intermediate Terrace at, 214
 Lowest Terrace at, 216
 Heath Farm, water at, 241
 Shell Marl of Fenland, 231
 Shepreth, Chalk Marl at, 125
 Burwell Rock at, 128
 Silicate of iron, 85
 Silicified wood, 64
 sponges, 144
 Silt of fenland, 222
 Silting up of the Wash, 3
 Six Mile Bottom, 195
 Slickensides in Roslyn Pit, 180
 Snailwell, 200
 Soham, Gault at, 77, 80
 Cambridge Greensand near,
 98
 Chalk Marl near, 123
 Mere, fenland of, 221
 Shell Marl of, 232
 Fen, Neolithic implements in,
 239
 Somersham, Ampthill Clay near,
 25
 Ancient River Gravel at, 197
 gravel north of, 219
 Source of phosphate, 102
 South Level, 232
 South Quarry, Upware, fossils
 from, 34
 Speeton, 72
 Sponge-bed at Hunstanton, 85,
 88
 Sponges as nodules, 101
 silicified, 144
 Springs from
 base of Chalk Marl, 125, 241
 Burwell Rock, 128, 242
 thermal, 242
 Stanmoor Hall, Zone of *Rhynch.*
 Cuvieri at, 140
 Ancient gravels at, 194
 Stapleford Windmill, 241
 Steeple Hill, pit at, 137
 Stetchworth, Chalk Rock at, 146
 Upper Chalk at, 151
 Stoke, the river, 6
 Stoke Ferry, Gault at, 76, 77, 80
 Chalk Marl at, 123
 Burwell Rock at, 127
 Stonea, 158
 Stow-cum-Quy, *see* Quy-cum-Stow
 Stretham Ferry, St Ives Rock at,
 18
 Stretham, Lower Greensand ridge
 near, 52
 Stretham Mere, 232
 Strike of Lower Greensand, 49
 Submergence in Glacial Period,
 163, 165, 166
 Subsequent rivers, 4, 5, 6
 Succession of forests in peat, 225
 Surrey, Lower Greensand of, 73
 Sutton, 12
 Boulder Clay at, 158
 Swaffham, 6
 Swaffham Bulbeck, Chalk Marl at,
 124
 nodule bed at, 133, 136
 fenland near, 221
 Swaffham Prior, Burwell Rock at,
 129
 Zone of *Hol. subglobosus* at, 133
 Swavesey, St Ives Rock at, 18
 Ancient River Gravels at, 197
 gravels of the Ouse at, 219
 Synclinal, supposed to exist at
 Upware, 31
 at Burwell, 128
 beneath Gog Magog Hills, 129,
 241
 Tetworth Clay, 23
 Teversham, 6
 Chalk Marl at, 124
 Tharfield, height of escarpment
 near, 2

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

INDEX.

275

- Tharfield (cont.)**
 Upper Chalk at, 151
 Boulder Clay at, 158, 159, 172
 High Level Loam at, 182
Theories of formation of Boulder Clay, 161—176
Thermal springs, 242
Thetford, 5, 6
 Norfolk, 238
Thickness of
 Burwell Rock, 127
 Boulder Clay, 156
Thinning of
 Gault, 76
 Lower Chalk, 187
 Totternhoe, Gault at, 76
 Totternhoe Stone, 93, 127, 128
 at Hunstanton, 85
Trail, 235
Transgression of Lower Greensand over older beds, 48
Transportation of erratics, 104, 167, 170, 171
Trees in the peat, 223
Tributaries of the Ouse, gravels of the, 220
Tring, 76
 Trinity College, gardens of, 215
Triploew, Zone of *Rhynch. Cuvieri* at, 140
 Ancient River Gravels near, 193
Trumpington, Barnwell Gravel near, 207
 Intermediate Terrace near, 214, 215
Unconformity between Lower Greensand and Oxford Clay, 10, 48, 55
 between Gault and Cambridge Greensand, 99
Underwood Hall, 146
Union of
 R. Granta with R. Lin, 5, 217
 R. Rhee with R. Cam, 4, 215, 217
Upper Gault, absence of, 75, 98
Upper Greensand, 87
 absence of, 98
 Upper Chalk, 149
Upware, inlier, 3
 height of fenland at, 7
Upware (cont.)
 Corallian beds, 29—38
 Lower Greensand at, 48, 49, 50, 62
 Gault near, 80
 Lowest Terrace near, 218
 Upwell, 222
Vale of Clwyd drift, 198
Valley of Rhee-Cam-Ouse river, 4
Via Devana, Lower Greensand on the, 52
 Vicar's Brook, 215
 Victoria Road, 208
 Vivianite in clay, 230
Vraconnian fossils in Cambridge Greensand, 106
Wadley Hall, 195
Wandlebury beds, 94, 142
Wardington Bottom, Chalk Rock in, 145, 146
 Ancient River Gravels in, 193
 stream from, 205
Warminster fossils in Cambridge Greensand, 106
Warp of the Fens, 229, 230
Warp, recent, 235
Wash, the, 3
 size of ancient, 199
 predecessor of the, 222
Water-bearing stratum, Burwell Rock as a, 129, 242
Water, in Lower Greensand, 53, 240
 Supply, 240
Waterbeach, 4, 5
 Gault near, 80
 Intermediate Terrace near, 215
 Lowest Terrace near, 218
 fenland near, 221
Weathering of Carstone, 83
Wells in Lower Greensand, 53, 241
Welney, 222
Wenden, 5
 loams near, 193
Wendy, 79
Wentworth, 158
West Dereham, Gault and Lower Greensand at, 49, 77, 79
Westley Waterless, Zone of *Hol. planus* at, 144
 Chalk Rock at, 146

Cambridge University Press

978-1-108-00239-4 - A Handbook to the Geology of Cambridgeshire: For the Use of Students

Frederick Richard Cowper Reed

Index

[More information](#)

276

INDEX.

- Westley Waterless (*cont.*)
 Upper Chalk at, 151
 Boulder Clay near, 184
 valleys near, 200
 Weston Colville, 195
 West Wratting, Upper Chalk at, 151
 Boulder Clay near, 159
 Whaddon, 79
 Wheatley, Oxon, 29
 Whittlesea, Ancient gravel at, 199
 lacustrine deposit at, 232
 Whittlesford, 5
 Zone of *Rhynch. Cuvieri* near, 140
 Ancient River Gravels etc. near, 192, 193, 194
 Lowest Terrace at, 216
 Wicken, Lower Greensand at, 49, 61
 Gault near, 80
 Chalk Marl at, 123
 Fen, 221
 Neolithic implements in, 239
 Wilbraham Fen, Chalk Marl of, 124
 River, source of, 128
 Ancient River Gravels near, 195
 Gravels near Fulbourn and, 218
 Wilburton, Lower Greensand ridge near, 52
 Willingham, Ampthill Clay at, 25
 Willingham (*cont.*)
 gravel near, 197
 fenland near, 221
 Wimblington, 198
 Wimpole, Gault at, 79
 Chalk Marl at, 124
 Winds, prevalent, 226
 Wisbech, 222
 Woburn, 49, 51
 Fuller's Earth at, 50
 Worlington, 220
 Worsted Lodge, 142
 Street, 183
 Wretham Mere, 240
 Yorkshire, Lower Calcareous Grit of, 19
 Zone of
Ammonites cordatus, 11
inflatus, 75
lautus, 75
ornatus, 11
varians, 122
Belemnitella plena, 135
Heteroceras reussianum, 145
Holaster planus, 144
subglobosus, 85, 127
Inoceramus labiatus, 138
Micraster cor-testudinarius, 151
Rhynchonella Cuvieri, 138
Terebratulina gracilis, 142