

Index

Bold type indicates when the topic is given special consideration. Text figures are indicated by a page-number and asterisk; the figure numbers are not given. *Passim* signifies scattered throughout. Photographs are referred to at the end of each entry by their individual plate numbers: thus Pl. 21, 32 . . . English plant names (and some animal names) have usually been given their Latin equivalents in parentheses. Indexed Latin names, however, are not accompanied by their English equivalents. Both Latin and English name entries carry the same page references.

The positions of all the more important sites and waterways are shown in the text figures cited in the index; grid-references, however, are given for all the less familiar Fenland localities.

- acidic mires, 13, 15–18, 20, 117, 182f, Pl. 8, 9, 31
see also peat, blanket bog, raised bog
- adder, 171
- Adelaide Bridge, Ely (TL 565 814), 60, Pl. 14
- Adventurers Fen, Wicken (TL 56 69), 60, 122f, 150, 163, 179, Pl. 39, 64
- ague, 157f
- air-photography, 47, 88f, 98, 109
- Alces alces* (elk), 165f, Pl. 52
- alder (*Alnus glutinosa*), 11, 14–39 *passim*, 56*, 103, 105, 128, 177, 182, Pl. 7, 24
- alder-buckthorn (*Frangula alnus*), 16f, 151, 176, 183, Pl. 5, 51, 64
- alkalinity of fen peat, 15, 72
- almond osier (*Salix triandra*), 152
- Andrew, Miss R., 57
- Andromeda polifolia*, 15, 169
- angelica (*Angelica sylvestris*), 16, 19, Pl. 10
- Anglo-Saxon period, 86, 89, 99, 135, 154
- Anopheles maculipennis*, 158
- aquatic plants, 10, 11, 16f, 171f**, 183, Pl. 3, 7, 48
- arctic plants, 164
- Artemisia*, 57
- artificial waterways, recognition of, 134
- ash (*Fraxinus excelsior*), 12, 18, 36, 39, 56*
- Astbury, A.K., 87, 129, 134
- Atlantic climatic period, 25, 50–9 *passim*, 104
- aurochs (*Bos primigenius*) 60f*, 165, Pl. 17
- autogenic succession, 19
- axes, prehistoric, 60f*
- Azolla filiculoides*, 9
- Babington, C.C., 176
- Barnack stone, 100
- Barnwell Station beds (TL 470 596), 164
- Barton Broad, Norfolk, 97, 116, Pl. 26
- Barway (TL 545 758), 75f, Pl. 20
- Bassenhally Fen (TF 290 005), 167
- beaked sedges (*Rhynchospora* spp.), 15, 170
- beam engines, 140
- 'bear's muck', 63
- beaver (*Castor fiber*), 166, Pl. 53
- becket, 115, 117–21**
- Bedford, Earls of, 136
- Bedford Levels, 81*, 85, 127, 129, 136*, 155, 184, Pl. 42
- Bedford Ouse, R., 137
- beech (*Fagus sylvatica*), 22*, 69, 98
- bell-heather, 169
- bench-marks, 132
- Benwick (TL 34 90), 87, 129
- Benwick Mere (TL 340 886), 71*, 91, 94
- Bettisfield, 15*
- Betula* spp., 11, 16, 19, 22*, 36, 41 *et passim*, Pl. 11
- Bevill's Leam, 137
- Bewick's swan, 184f
- bilberry (*Vaccinium myrtillus*), 169
- birch (*Betula* spp.), 11, 16, 19, 22*, 36, 41, *et passim*, Pl. 11
- birch woods, 41, 93, 103, 105, 184
- bison, 164
- bittern, 167
- black-tailed godwit, 184

Index

189

- black tern, 184
 blackberry, 42
 bladderwort, 150
 blanket bog, 13, 111, 113
 ‘blowing’ of banks and sluices, 137, 139, 141
 ‘blue buttery clay’, *see* Fen Clay
 Blytt and Sernander periods, 24f*
 bog-asphodel (*Narthecium ossifragum*), 170
 bog-bean (*Menyanthes trifoliata*), 172
 bog-myrtle (*Myrica gale*), 15, 71f, 169, 176, 183
 bog-oaks, 29*, 33–42, 113, 127f, Pl. 14, 38
 Boreal climatic period, 25f, 32, 50–9 *passim*, 103
 Borer, O., 47
Bos primigenius, 60f*, 165, Pl. 17
 Boston, 159, 162
Botrychium, 57
 Boulder Clay, 37, 43, 58, 69, 102
 brackish-water indicators, 51f, 62f, 105, Pl. 15
 Brandon, 100
 Brandon Creek (TL 607 918), 86f, 95
Brassica napus var. *arvensis*, 153f
 breast plough, 127
 Breckland, 38, 57f, 66f, 94
 Brick Mere (TL 233 860), 71*, 91, 93, 95*, 183
 brick making, 122
 brick pits, 13, 122, Pl. 48
 Bronze Age, 45, 68–78 *passim*, 105, 107, 114, 131*
 early, 50–9***, 65, 73, 106
 middle, 61*, 65*, 73f, 106
 late, 38, 61*, 73f*, 76f, 106, 156, Pl. 20, 21
 brown bear, 165
 buckthorn, *see* alder-buckthorn and purging
 buckthorn
 building stone, 100
 bulrush (*Scirpus lacustris*), 11, 96, 150f, Pl. 4, 48
 bur-reed (*Sparganium* spp.), 10, Pl. 3
 buried forests, 29*f*, 33–42, 165
 Burwell (TL 59, 67), 38, 60, 116f, 123, 166, Pl. 30
 Burwell Lode (TL 58 68), 87, 98, 163
 Bush and tree colonisation, 11, 14, 17f, 181, 183,
 Pl. 5, 6, 62, 63, 64
 ‘Buttery Clay’ *see* Fen Clay

 Caistor ware, 85
 calcareous marl, 30, 50*ff*, 70, 91–8, 130f*, Pl. 25
Calluna vulgaris, 15, 71ff, 169, Pl. 9
 Calthorpe Broad, 19f, 27, 30, Pl. 10
 Cam, R., 58, 87, 99*, 137, 164
 Camboritum (TL 707 885), 90
 Cambridge Greensand, 38
Cambridgeshire and Isle of Ely Naturalists’ Trust,
 184
 canals, 85, 90, 98f*, 130, 134
Cannabis sativa, 154–7*, 171

 Car Dyke, 87f
Cardium edule, 63, 65, 169
 carnation sedge (*Carex panicea*), 127, 181*
 carrots, 132
 Castle Hills Farm (TL 220 836), 61*, 74, 77
Castor fiber, 166, Pl. 53
 cat-tail, 11
 cattle, 89f, 104, 115
 causeways, 81*ff, 84*f
 celery, 132
Cerambyx cerdo, 66, 165
 Chalk, 69, 96, 99
Chara spp., 30, 91, 98
 Chatteris (TL 395 860), 117
 Chippenham Fen (TL 645 695), 40, 122
 chronological scales, 23–5, 44*
 Churchill, Dr D.M., 86
Cirsium palustre, 180
 Clare, John, 96
 Clark, Prof. J.G.D., 45f, 51, 53, 56, Pl. 16
Cladium mariscus, 11, 14, 17, 112, 145*–9, 177,
 180, 182, Pl. 5, 28, 43–7, 51
 Clayhithe (TL 502 644), 87
 Clifford, Dr M.C.H., 63f
 climatic indicators, 21, 23f, 66f, 165
 climatic periods, 25, 44*
 see also individual entries
 climax vegetation, 12
 Cnut’s Drain (TL 250 920), 100
 coal, 111, 116
 cockle (*Cardium edule*), 63, 65, 169
 codein, 156
 cole (rape) (*Brassica arvensis* var. *napus*), 153f
 collectors, 17, 177f, 180
 colza-oil, 154
 coprolites, 38, 60
 corn, 87, 90
 Cottenham (TL 455 675), 88, 152
 cotton-grass (*Eriophorum* spp.), 15, 70ff, 127,
 169f, 176, Pl. 8, 18
 county boundaries, 95
 Coveney (TL 490 823), 119
 cowberry (*Vaccinium vitis-idaea*), 169
 cranberry (*Vaccinium oxycoccus*), 15, 96f, 168ff,
 Pl. 55, 56
 crane, 167
 Crawford, O.G.S., 47
 creek patterns, 64*, 88, 92, 109f, Pl. 23, 25
 creeping willow (*Salix repens*), 16, 175
 cropping of vegetation, 18, 178f, 181*, Pl. 62
 Cross Bank, Shippea Hill (TL 660 836), 93
 Crosswater Staunch (TL 676, 856), 95
 cross-leaved heath (*Erica tetralix*), 15, 169, Pl. 9
 crowberry (*Empetrum nigrum*), 5, 169

Index

190

- Crowland Abbey (TF 242 103), 3, 108, 115
 Cut off Channel, 50*, 81*, 136*, 142f, Pl. 42
- Darby, Prof. H.C., 47, 114, 135f*, 160f
 'Darg', 63
 deflected succession, 180*
 Denver (TF 615 017), 65, 81*, 84f
 Denver Sluice (TF 590, 010), 137, 139, 142, Pl. 42
Deschampsia caespitosa, 127
 Devensian period, 164
 devil's-bit scabious (*Succisa pratensis*), 180f*
 diatoms, 63f, 167
 Dogger Bank, 25f*, 57, 103, 109
 dogwood (*Cornus sanguinea*), 42
 Domesday Survey, 91, 94f, 135, 160
 Doran, W.E., 47, 140
 drainage, 101, 107f, 124, 132f, 134–44*
 'Commissioners' Drains', 141
 consequences, 127–33, 137–41, 169, Pl. 36, 37
 'Engine Drains', 141
 perched water-ways, 141
 pumps, 138ff, Pl. 38–41
 Drayton, M., 155, 161
Drosera rotundifolia, 15, 169ff, 176, Pl. 54
 drug-plants, 155–8**
 dry-land phase of N. Sea, 25, 26*, 164
 duck decoys, 162, 814
 duck-gun, 162
 Duffey, Dr E.A., 171
 'dydal', 122
 dwarf birch (*Betula nana*), 25, 57
 dwarf willow (*Salix repens*), 16, 175
- Earith (TL 390 748), 87, 136f, 164
 East Anglian Water Authority, 143f
 East Fen, S. Lincs (TF 41 56), 96, 114
 ecclesiastical houses, 100, 108, 115, 135, 159, 161
 ecology, 4, 6, 9–20, 45, 177–86
 Edwards, W. (Will'En), 33, 77f, 117f, 122, 139
 eels, 161
 eel-spear (glaive), 161
 elk (*Alces alces*), 165f, Pl. 52
 elm (*Ulmus* spp.), 22*, 103f, Pl. 11
 Ely, 2f, 75f, Pl. 1
Empetrum nigrum, 169
Emys orbicularis, 165
 Enclosure Acts, 115
 Ennion, Dr E.A., 117, 123, 163, 166
Ephedra spp., 57
 Erdtman, G.E., 21
Erica cinerea, 169
Erica tetralix, 15, 169, Pl. 9
 ericoid plants, 15, 68f
- Eriophorum angustifolium*, 15, 127, 170, 176, Pl. 9,
 19
Eriophorum vaginatum, 15, 170, Pl. 9, 18
 estuary of the Fenland, 2*, 81f, 90, 107, 134
Eupatorium cannabinum, 148
 eustatic change in sea-level, 25ff, 57ff, 104ff*, 109f
 extinct waterways, 86
 see also old runs, old slades, roddons
- Fagus sylvatica*, 22*, 69, 98
 Farren, W.S., 178
 Feltwell Fen (TL 650 900), 66f
 fen-birch (*Betula pubescens*), 39, 41
 'fen-blows', 133
 fen carr, 12, 17–20, 28*, 32, 105, 181, Pl. 6, 7, 62
 Fen Clay, 5, 50–9 *passim*, 60–7, 68–75 *passim*, 92f,
 103*, 105f, 108ff, 131, 144, 167, 169, Pl. 25
 fen-margin economy, 152f
 fen oakwoods, 12f, 18ff, 27ff**, 30f, Pl. 10
 'fen slodger', 161, 163
 fen violet (*Viola stagnina*), 172
 fen woods, 12f, 18ff, 27f***, 30, 38–42, 105, 181
 Fenland Research Committee, 7, 34, 45–8, 55, 60,
 62, 68, 73, 82, 88, 108, 126, 184
 field patterns, 82*, 88f, Pl. 24
 fishing, 91, 94f, 100, 160f
 fish weirs, 161
 fisheries, 91, 94f, 100, 161
 Flagrass (TL 434 985), 81*, 84
 Flandrian Period, 22*, 24*, 43ff**, 102–10**, 165
 flax (*Linum usitatissimum*), 155f
 flooding, 142, 181, 184
 foraminifera, 27, 51f, 62f, 85, 167, 169, Pl. 15
 forest horizons, 29*, 30*
 Forty foot Drain, 137
 Fowler, Maj. Gordon, 29, 35, 45f, 50, 53, 79–83,
 86, 93, 95, 98, 124, 130, 134, Pl. 16
 Fox, Sir Cyril, 45, 73, 79
Frangula alnus, 16f, 151, 176, 183, Pl. 5, 51, 64
Fraxinus excelsior, 12, 18, 36, 39, 56*
 fringed water-lily (*Limnanthemum peltatum*), 172,
 185
 Friskney (TF 460 555), 97, 114
 frogbit (*Hydrocharis morsus-ranae*), 9, 172*, 185
 frost wedges, 164
- 'gatways', 16, 94*, Pl. 7
 Gault Clay, 102
 'Gentlemen Adventurers', 137
 geology, 12*–16 *et passim*
 German coastal deposits, 6*, 83
 giant Irish deer, 164f
 giant reed (*Phragmites communis*), 11, 28, 30, 63,
 96, 105, Pl. 2, 10

Index

191

- giant sedge, *see* sword sedge
 Glacial Period, 38, 102
 Glass Moor (TL 295 930), 40, 62f, 169
 Glastonbury, 159, 167
 'glastrum', *see* woad
 Glen, R., S. Lincs., 89
 goose keeping, 162
 grampus, 63
 Granta, R., 86f
 great fen ragwort (*Senecio paludosus*), 172f, Pl. 57
 Great Ouse, R., 81*, 86f, 91, 128f, 136, Pl. 36, 37, 42
 great water-dock (*Rumex hydrolapathum*), 175
 greater spearwort (*Ranunculus lingua*), 175
 Green Dyke, Lotting Fen (TL 245 863), 64*, 93, Pl. 15
 Greensand, 38, 102
 Grunty Fen (TL 510 800), 75
 guelder rose (*Viburnus opulus*), 16f, Pl. 47
 'gurgites' *see* fish weirs
 Guyhirne (TF 400 035), 64, 135
- hair-moss (*Polytrichum* sp.), 20
 hairy birch (*Betula pubescens*), 11
 Hallam, Dr S.J., 88f
 Harrimere (TL 535 745), 91
 hassock plough, 127
 hazel (*Corylus avellana*), 22*, 36f, 42, 103, Pl. 11
 heather (*Erica* spp., *Calluna vulgaris*), 63, 169
Helianthemum, 57
 hemp (*Cannabis sativa*), 154–7*, 171
 hemp-agrimony (*Eupatorium cannabinum*), 16, 148*
 'heneplood', 155
 Heron's Carr, Norfolk, 14, Pl. 6
 hides, 90
 high forest, 35ff, 60ff, 104, 165f, 182, Pl. 14
Hippuris vulgaris, 176, Pl. 61
 hoards, 61, 74f
 Hockham Mere, 67, 97
 Hockwold (TL 707, 885), 94
 Hockwold-cum-Wilton (TL 735 880), 50*, 90
 Holbeach, 157
 Holbeach St. John's (TF 34 17), 89, Pl. 24
 Holme Fen (TL 205 890), 72f, 105, 107, 112f, 122f, 130f*, 169, Pl. 25, 27
 Holme Fen post (TL 203 894), 124, 131*, 183f, Pl. 35
 hornbeam (*Carpinus betulus*), 22*, 69, 98
 Hoveton Broad, Norfolk, 16, 116, Pl. 7
 hulled barley, 89
 humification, 15*, 113
 'Hundeköd', 63
 'Hundred Foot River', 136
 Hunts. and Beds. Naturalists' Trust, 184
Hydrocharis morsus-ranae, 9, 172*, 185
Hydrocotyle vulgaris, 148*, 180f*
- indigo (*Indigofera tinctoria*), 160
 Iron Age, 79, 86, 107ff, 144, 159, 167
Isatis tinctoria, 158ff
 Isleham Fen (TL 630 765), 38, 60, 66, 119
- Jackson's Fen, Woodwalton (TL 23 84), 120
 Jennings, Prof. J.N., 56, 94, 96
 Jones, Prof. O.T., 24, 46
Juncus obtusiflorus, 181*
- Jurassic Clays, 37, 102, 124
- Kenny, Dr E.J.A., 82*
 Kimmeridge Clay, 37
 King's Delph (TL 240 954), 100
- 'lagg-stream', 177
 lagoon conditions, 52, 62, 105
 lake-muds, 11f
 Lakenheath, 94
 Lakenheath Lode (TL 847 680), 93
 Landbeach (TL 477 653), 152
 landscape quality, 2ff, Pl. 1, 2
 Large Copper butterfly (*Lycæna dispar*), 175
 Lark, R., 86, 137, 142
 'Late-glacial' period, 26*, 57f, 102, 164ff
 vegetation of, 57, 102
 laudanum, 156
Lathyrus palustris, 175, Pl. 60
 'laving' ('lecking'), 121, Pl. 34
 leaf-fodder, 104
 'leck', 121f, Pl. 34
 Leman and Ower bank, 26*
 lemming, 164
 Lethbridge, T.C., 46
 levées, *see* roddons
 lignite, 111
 Lime (*Tilia* spp.), 22*, 24*, 36f, 56* *et passim*, 66, 69, 104, 107
Limnanthemum peltatum, 172, 185
 Lincoln, 87
 linden, *see* Lime
 ling (*Calluna vulgaris*), 15, 68, 71f, 169, Pl. 9
Linum usitatissimum, 156f
Liparis weselii, 175f
 'litter' community, 181*f
 Little Ouse, R., 50–9***, 60, 82, 86f, 91, 93ff, 103, 107, 137, 142, Pl. 16, 22, 23
 Little Thetford (TL 532 763), 75f, Pl. 20
 Littleport (TL 566 870), 117, 128f

Index

192

- Lord Orford's voyage, 100f
 lost and vanishing species, 164–77
 Lotting Fen (TL 245 853), 33, 93, 122
 Lower Peat, 50–9* *passim*, 60–7, 93, 102–5*
 'loy' *see* becket
Lycæna dispar, 175
Lysimachia vulgaris, 16, 175, Pl. 60
 Lucas, Dr C., 130
Lycopodium sp., 57
Lycosa paludicola, 171
 Lynn Ouse, R., 86, 95, 142, Pl. 42
- 'mabs', 127, Pl. 18
 Macfadyen, Dr W.A., 27, 46, 167
 macrofossil plant remains, 27, 29, 39–42, 93, 113
 malaria, 157f
 mammoth, 164
 management of reserves, 178–85
 March, 65, 84
 mare's tail (*Hippuris vulgaris*), 176, Pl. 61
 Marginal Relief Channel, 81*, 136*, 143, 164, 167, Pl. 42
 marine deposits in Fenland, 1f*, 27* *et passim*
 marine transgression, 5f, 25f, 32, 38, 41, 60–68, 77, 79–90, 103–10** *et passim*
 marine regression, 5f, 32, 73, 105ff*
 market garden crops, 160
 marsh fleawort (*Senecio palustris*), 172
 marsh pea (*Lathyrus palustris*), 175, Pl. 60
 marsh pennywort (*Hydrocotyle vulgaris*), 148*, 180f*
 marsh sowthistle (*Sonchus palustris*), 172
 Marshall, W., 29, 71f, 169
 Marshland, 5, 87–90, 108, 129, 137*, 149, 155, 160, 169, Pl. 24
 meadow thistle (*Cirsium palustre*), 180
 medieval artefacts, 108, 135
Menyanthes trifoliata, 172
 meres, 71*, 91–101*, 108
 Mesolithic period and cultures, 26, 43, 45, 51–9* *passim*, 103, 166, Pl. 16
 Methwold (TL 733 948), 73, 94f, 137
 microliths, 51, 103
 Middle Ages, 88, 94f, 107f, 114, 122, 135, 144, 155, 158, 161, 165
 migratory birds, 184
 Mildenhall Fen (TL 665 780), 60, 74, 165
 milk parsley (*Peucedanum palustre*), 174f, Pl. 58, 59
 Miller, S.H. and Skertchly, S.B.J., 3, 29, 161
 mires, 13, 111
 'mixed-sedge' communities, 180*, Pl. 5
 Moberley, J.C., 178
Molinia caerulea, 127, 148*, 180f*
 mollusca as environmental indices, 55, 63, 65, 91, 169
 Monks' Lode, Sawtry (TL 212 858), 95*, 135
 Monk's Lode, Wicken (TL 565 700), 115, 135
 moorlog, 25f*, 58
 morphine, 156
 Morton, Bishop, 135
 Morton's Leam (TL 250 984), 135
 mosquito as vector of malaria, 158
 moth-collecting, 177–80, Pl. 62
Myrica gale, 15, 71f, 169, 176, 183
- Naias marina*, 67
 'Nancy', 65*, 68, 73
Narthecium ossifragum, 170
 National Trust, 151
 natural crops, 145–53
 Nature Conservancy, 183f
 Nature Conservancy Council, 184
 nature reserves, 178–85
 Nene, R., 82, 87, 91f, 94f, Pl. 25
 Neolithic Period and culture, 35, 37f, 45, 52–9** *passim*, 60f**, 104
 New Bedford River, 136*f, 169, Pl. 42
 New South Eau (TF 310 086), 137
 Nordelph (TF 558 010), 86f*, 105
 Norfolk Broads, 94, 96f, 114, 150, Pl. 10, 26
 'Norfolk reed', 146, 150
 North Fen, *see* Wood Fen
 North Sea, 25f*, 57, 102
Nuphar luteum, 10f, 176, Pl. 3, 61
Nymphaea alba, 10f, 150, Pl. 3, 4, 48
- oak (*Quercus* sp.), 12f, 18ff, 22*, 27*f*f*, 103, 105 *et passim*, Pl. 10, 11
 oil crops, 153–6, 158
 Old Bedford River, 136*f, Pl. 42
 Old Croft River, 81
 Old Decoy, Cambs. (TL 665 855), 56*f
 Old Nene River, 71*, 91f, 94f*, 134, Pl. 25
 'old runs', 68
 'old slade', 87, 98, 130
 Old West River (TL 500 710), 87
 oligotrophic mires, 15
 ombrotrophic mires, 15
 Opium poppy (*Papaver somniferum*), 156–8*
Orobancha ramosa, 171
 osiers, 152
 otter, 166f
 Ouse Wash Reserves, 184f
 Outwell (TF 513 036)
 'overkill', 166
 Oxford Clay, 37
 oxygen deficiency, 111, 125f, 146

Index

193

- palaeoecology, 6
Papaver somniferum, 156ff*
Papilio machaon, 173ff, Pl. 58, 59
 paring and burning of peat, 127
 paring plough, 127, 154
 Parish boundaries, 95*, 97, 124f
 Parsonage Drove, Wisbech (TF 390 090), 160
 Peacock's Farm, Shippea Hill (TL 628 847), 51, 56*, 65f, 73
 Peakirk Drain (TF 280 050), 137
 peat, 111–23 *et passim*
 acidification of, 12*, 15, 20, 30*f, 40, 68–73**, 93, 113, 123, 169, 181ff, Pl. 18, 19
 'black' and 'white', 15*, 113
 'cesses', *see* 'turves'
 cutting tools, 117f**
 differential contraction, 82, 98, 128–33*, 141, Pl. 36, 37
 digging, 17, 96ff, 111, 114–23**, 169, 176f, Pl. 8, 26, 29–32
 drying of cut, 115, 121f, Pl. 33, 34
 fen, 12*, 15, 111, 113 *passim*
 fires, 35, 127
 'hoddy', 118* ff
 loss, 124–33
 origin of, 5, 11f*, 58, 111
 'shrinkage' of, 82f, 124–33*, 139
 'Sphagnum', 12*, 15, 30*, 40, 70ff, 93, 96, 113, 165, Pl. 18, 19
 'turves', 114f, 118*–22, Pl. 29, 30
 types of, 12*, 70, 112f, Pl. 18, 27, 28
 wastage of, 63, 69, 78, 83, 90, 92, 94, 98, 109, 124–33, 139, 141, Pl. 36, 37
 water-transport of, 120
 pelican (*Pelicanus* sp.), 66, 167
Pencedanum palustre, 174f, Pl. 58, 59
 Peterborough, 81f, 87, 99, 135
 Phillips, C.W., 46, 85
Phragmites communis, 11, 14, 28, 30, 63, 96, 105, 146, 148*–50, 162, 181*, Pl. 2, 10, 48–50
 pine (*Pinus sylvestris*), 22, 29**f, 40f, 62, 69*, 77f, 105, Pl. 12
 pine (–birch) woods, 30*, 32, 40f, 78, 93, 103
 'piper', 162
 Plantation Farm, Shippea Hill (TL 642 847), 50*, 65, 73, Pl. 16
Pluv, 149
 polished stone axes, 60f**, 104, Pl. 17
 pollen analysis, 6, 21–32*** *et passim*, Pl. 11
 local factors affecting, 27ff**, 32, 63
 principles, 21
 zonation, 23, 25*, 56*, 58*
 pond tortoise (*Emys orbicularis*), 66f, 165
 pondweeds (*Potamogeton* spp.), 185
Polytrichum spp., 20
 'Poor's Pieces', Wicken, 115, 146, 148, 176
 Popham's Eau, 68, 136*
 Poplar Farm, March (TL 442 959), 81*, 83f*f
 'post-glacial', *see* Flandrian
 'poy-stick', 162
 Pre-boreal period, 25, 57
 Prickwillow (TL 597 825), 86f, 100
 primary succession, 13, 17ff, 179f*
 'primeval fenland', 177, 183
Pseudammicola confusa, 167
Pseudorca crassidens, 66
 'pure sedge' community, 17
 purging buckthorn (*Rhamnus cathartica*), 17, 42, 151f
 purple loosestrife (*Lythrum salicaria*), 16
 purple moor-grass (*Molinia caerulea*), 127, 148*, 180f*
 purple osier (*Salix purpurea*), 152
 Quaternary Epoch, 45
 Quaternary research, 44
 quays and staithe, 87, 99
 Queen Adelaide Bridge, Ely (TL 565 814), 60, Pl. 14
 Queen's Ground, Methwold (TL 689 930), 73
Quercus, 12f, 18ff, 22*, 27**f, 103, 105 *et passim*, Pl. 10, 11
 Quy (TL 516 599), 162
 radiocarbon dating, 25f, 36, 40, 44*, 48, 52*, 56*, 60ff, 65f, 76, 78, 85f, 93, 103*, 108, 165
 age-citation, 48f
 raised bog, 13, 15*, 20, 30, 32, 68–72, 77, 93, 96f, 105, 113, 123, 131*, 169ff, 183, Pl. 8, 9, 27, 31, 32, 33
 Ramsey Heights (TL 245 847), 77, 122
 Ramsey Mere (TL 310 890), 71*, 91, 94f, 108
 Ramsey St Mary's (TL 256 880), 130
Ranunculus lingua, 175
 rape (*Brassica napus* var. *arvensis*), 153f
 Raveley Drain, Woodwalton (TL 234 840), 120
 Ravensdale, J.R., 152
 Ray, John, 172, 176
 Reach Fen (TL 558 680), 69, 87, 123, 130
 Reach Lode (TL 555 680), 87, 98f*, 163
 'reaction' in vegetational succession, 10–12, 18, 32
 red deer, 165
 Red Mere (TL 670 840), 50*, 52*, 84*, 91, 94*f, 130
 reed (*Phragmites communis*), 11, 28, 30, 63, 96, 105, 146, 148*–50, Pl. 2, 10, 48–50
 reed-mace (*Typha* spp.), 11
 reed-swamp, 16f, 19, 96, 149f, Pl. 7

Index

104

- reed-warbler, 150
 reindeer, 164
 Relief Channel, Marginal, 81*, 136*, 143, 164, 167, Pl. 42
Rhamnus cathartica, 17, 42, 151f
 Rhododendron, 20
Rhyncospora alba, 15, 170
 roddons (rodhams), 50*–59 *passim*, 69*, 79–90, 94ff, 110, 126, 129f, 169, Pl. 22, 23
 origins of, 82ff*
 Rodham Farm, March (TL 460 981), 81*, 84, 94
 roebuck, 165
 Roman bridge, Nordelph (TF 573 004), 69*, 82f*
 Roman causeway, Denver–Peterborough, 81–5**
 Romano-British Period, 52*, 55, 68, 79–90, 107ff, 128, 130, 134f, 144, 182, Pl. 36, 37
 rose, 42
 Rothschild, the Hon. Charles, 183
Royal Society for the Protection of Birds, 184
Rumex spp., 57
Rumex hydrolapathum, 175
- Saddlebow (TF 408 157), 65f
 St Guthlac, 3, 108
 St German's (TF 590 148), 26ff**, 62f, 65, 68, 88
Salix cinerea, 11, 16f, 19, 29, 39, 104, 152, Pl. 5, 7
Salix purpurea, 152
Salix repens, 16, 175
Salix triandra, 152
Salix viminalis, 152
 sallow (*Salix cinerea*), 11, 16f, 19, 29, 39, 104, 152, Pl. 5, 7
 salt production, 90, 114, 122
 Salter's Lode (TF 585 017), 143, Pl. 42
 salt-marsh, 28, 64*, 88f, 93, 107f, Pl. 23, 24
 Salway, P., 89f
 Sam's Cut, 137
 Sawtry (TL 167 837), 95*, 100
Scheuchzeria palustris, 112, 170, Pl. 27
Scrobicularia piperita, 169
 sea-level changes, 1, 5, 6*, 24–8, 38, 52 *et passim*, 106*, 144
 sedge communities, 104, 146, 148*, Pl. 47
 sedge cropping, 115f, 145–9*, Pl. 44, 47
 sedge-warbler, Pl. 65
 seed viability, 172f
Senecio paludosus, 172f, Pl. 57
Senecio palustris, 172
 Seward, Sir A.C., 34, 45, Pl. 13
 sewers (drains), 135
 Shapwick Heath, Somerset, 120f, Pl. 33, 34
 sheep, 89
 shell-marl, 50*ff*, 70, 91–8, 130f*, 165, 182 Pl. 25
 Shippea Hill, Cambs. (TL 640 840), 26, 47, 50–59***, 60, 65, 73, 80, 84*, 93, 103f, Pl. 16, 22, 23
 Silt land, 2*, 5, 87–90, 108, 129, 137, 144, 155, 160, 169, Pl. 24
 Sixteen foot Drain, 137
 skating, 101
 Skertchly, S.B.J., 3, 29, 45, 50, 92, 117, 119, 122
 'slane', *see* becket
Society for Promotion of Nature Reserves, 183
 Soham Mere (TL 594 732), 91, 96
 Soil Survey maps, 64, 110
Sonchus palustris, 172
 South Level, 142f
 Southery (TL 622 946), 50*, 65*, 73
 Spalding, 156, 159
Sparganium simplex, 10
 spelt wheat, 89
Sphagnum moss, 15, 20, 30f, 40, 96, 113f, 169, Pl. 9, 55, 56
 Steers, Prof. J.A., 47
 stone axes, 38
 stratigraphy, 45, 48 *et passim*, 103*
Stratiotes aloides, 171f*
 Streatham Mere (TL 523 727), 91, 108, 130
 Stowbridge (TF 602 075), 86f
 Stuntney (TL 555 780), 61*, 74, Pl. 1
 submerged forests, 27*f*
 submerged peat-beds, 24–8* *passim*
 subsidence of banks, 129, 132f, 141
 of buildings, 128f, Pl. 36, 37
 of railways, 131f
 Sub-atlantic period, 25, 32, 107f
 Sub-boreal period, 25, 31, 68–78 *passim*, 105–7
 succession, *see* vegetational succession
Succisa pratensis, 180f*
 summer lime (*Tilia platyphyllos*), 22*, 26
 sundew (*Drosera* spp.), 15, 169–71, 176, Pl. 54
 Swaffham Engine drain (TL 540 695), 61, Pl. 41
 Swaffham Fen (TL 540 673), 115, 123, 162, Pl. 29
 swales, 36
 swans, 185
 Swansea Bay, 24f, 58
 swallow-tail butterfly (*Papilio machaon*), 175ff, Pl. 58, 59
 sweet gale (*Myrica gale*), 15, 71f, 169, 176, 183
 Switsur, R.A., 48
 sword sedge (*Cladium mariscus*), 11, 14, 17, 112, 145–9, 177, 180, 182, Pl. 5, 28, 43–7, 51
- Tansley, Sir Arthur, 9
Taxus baccata, 29, 33, 38ff, 73, 105, 166, Pl. 13
 Terrington St Clements (TF 552 205), 129
Thalictrum sp., 57

Index

195

- Thames estuary, 40, 144
 'thermal maximum', 66–7
 thermophilous organisms, 66–7, 165
 Three Holes Farm (TL 522 974), 82
 tidal action, 52, 63, 82–90 *et passim*, 94, 105, 107, 137, 139, 142–4, 169
 tidal model of Wash, 143
 tidal surges, 142
Tilia cordata, 22*, 66
Tilia platyphyllos, 22*, 66
 tilting of houses, 128f, Pl. 37
 topogenous mires, 15
 trackways, 75ff, 106, Pl. 20, 21
 'treacling' for moths, 178
 tree-pollen identification, 22*, Pl. 11
 tree-ring analysis, 39f
 Tregaron Bog, Cardigan, 17f, Pl. 8, 9
Trichophilous paludosum, 171
 Trundle Mere (TL 205 915), 71*, 91, 95*f, 123, 169
 tufted hair-grass (*Deschampsia caespitosa*), 127
 turbaries, 114
 turbary rights, 90, 114f
 'turf', *see* peat
 turf-knife, 118**f
 turf-spade, 118**f, 121, Pl. 29
 turves (cesses), 114f, 118*–22, Pl. 29, 30
 tussock sedge (*Carex paniculata*), 127
 Twenty foot River, 137
Typha angustifolia, 11

 Ugg Mere (TL 245 870), 40, 63f*, 70f*, 78, 91, 95*, 165, Pl. 15
 Upper Peat, 50–9** *passim*, 65, 68–78, 93, 103*, 105f
 Upper Silts, 108f
 Upware (TL 537 700), 9, 61, 87, 98, 100
 Upware Lode (TL 540 697), 87, 163
 'Upware Republic', 163
 Upwell (TF 505 027), 81

Vaccinium oxycoccus, 15, 96, 168–70, Pl. 55, 56
Vaccinium myrtillus, 15, 169
Vaccinium vitis-idaea, 169
 'varves', 44
 vegetational succession, 10–20*, 28*, 30ff, 38, 45, 92, 104, 111, 179
 Vermuyden, Cornelius, 124
 Verrall, G.H., 178
Viburnum opulus, 16f, Pl. 47
 Viking period, 43
 Vine, A., 93
Viola stagnina, 172
 viper (adder) *Viperus verus*, 171

 'wad', *see* woad
 Wadham, Sir Samuel, 179
 Wainfleet, 96, 114
 Walpole St Peter (TF 502 169), 129
 Wash, The, 107, 109, 143f
 'washes', 101, 137, 161, 184
 wastage of peat, *see* peat
 water-fowl, 160–3, 167, 179, 184
 water-milfoil (*Myriophyllum* spp.), 148
 water-soldier (*Stratiotes aloides*), 171f*
 water transport, 83, 85ff, 92, 100, 107, 116, 135, 148, 182, Pl. 44
 Waterbeach (TL 498 651), 87, 152
 weeds, 106, 171
 Welland, R., 87
 Wells, S., 71f, 169
 Wells, W., 91, 101, 124, 131
 Welche's Dam (TL 470 859), 137
 Welney (TL 526 940), 81f, 85f, 94, 107, 184
 Welney Washes (TL 531 935), 85f
 West Fen, S. Lincs. (TF 31 54), 96
 Westhay, Somerset, 77, Pl. 21
 whales, 63, 105, 167*
 white water-lily (*Nymphaea alba*), 10f, 150, Pl. 3, 4, 48
 Whittlesey (TL 270 970), 70f*, 82, 99f, 155
 Whittlesey Mere (TL 225 905), 63, 70f*, 82, 91–100 *passim*, 108, 124f, 130f*, 169, 171, 183, Pl. 25
 Whixall raised bog, 117, Pl. 31
 whortleberry (*Vaccinium myrtillus*), 15
 Wicken Fen (TL 553 704), 6, 9, 13f, 16ff, 39, 69, 98, 115, 120, 122, 146–52*, 163, 171–83, Pl. 3, 39, 40, 44, 46, 47, 61–4
 Wicken Lode, 10, 98, 146, 151, 176, 182, Pl. 3, 44, 49, 61, 64
 wild boar, 165
 wild horse, 164
 wildfowl as crop, 160–3
Wildfowl Trust, 184
 William the Conqueror, 75
 Willingham Mere (TL 403 733), 91
 Willis, E.H., 48
 willows, 29, 36, 105, 182
see also osiers, sallow
 Wilton Bridge, Cambs (TL 724 867), 55, 63, 69, 98
 wind-pumps (windmills), 138f, Pl. 38–40
 winter buds of aquatics, 171f*
 winter lime (*Tilia cordata*), 22*, 66
 Wisbech, 64, 81, 107, 135, 154, 157, 159
 Wisbech Ouse, R., 86
 Wissey, R., 137, 142
 Witham, R., 87
 woad (*Isatis tinctoria*), 185ff

Index

196

- wolf, 165
 wooden tub, Bronze Age, 75*
 Wood Fen (North Fen) (TL 550 850), 29*f*f*, 35,
 39f, 50*, 62, 65, 124f, 169, Pl. 12
 wood-peat, 39
 woodland clearance, 44*, 78, 106, 113, 131*
 Woodwalton Fen (TL 230 850), 40, 70–8 *et*
passim, 93, 120, 122f, 169, 172, 175f, 183
 wool, 90, 159f
 woolly rhinoceros, 164
 Wrangle, S. Lincs. (TF 425 509), 114
 Wretham Mere, 66f
 Wretton (TF 690 000), 164
 Wroxham Broad, Norfolk, 16, Pl. 7
 Yapp, R.H., 10, 13
 yellow loosestrife (*Lysimachia vulgaris*), 16, 175,
 Pl. 60
 yellow water-lily *Nuphar luteum*, 10, 176, Pl. 61
 yew (*Taxus baccata*), 29, 33, 38ff, 73, 105, 166, Pl.
 13
 zonation of vegetation, 13, 16, 19, Pl. 5–7
 Zwischenmoorwald, 30, 32