

Index

- Abathomphalus* 67, **Figs. 7.3, 9.13**
 Abrolhos reef 273
 abundance, diversity, dominance and equitability 89,
 112, 157–8, 181, 193, 207, 214, 222,
 244, 247
 abyssal environments, zones 83, **Figs. 4.1, 9.11**
 (see also deep marine)
Acarinina 69, **Figs. 7.5, 9.10, 9.13**
 accelerator mass spectrometry (AMS) 278
Acervulina 55, **Pl. 27**
 Acervulinidae 55, 79, 100
 Acheulian (artefacts) 290
 acmes 125
Adelosina 39, 243
Adercotryma 24, **Pls. 51, 52, Fig. 9.11**
Affinetrina 39, **Pl. 18**
Afrobolivina 110
Agathammina 37, **Pl. 16**
Agathamminoides 37
 agglutinated, agglutinating (wall structure) 16
 agglutinated, agglutinating Foraminifera 75,
 77, 96, 99, 120, 127–9, (see also *Astrorhizida*,
Lituolida)
 Akrotiri, Thera 277
 Al Huwaisah field 248
Alabamina 55, **Pls. 26, 43**
 Alabaminidae 55, 79, 82, 100
Alabaminoides 243
Alanwoodia 52
 Alaska 256, 271
 Aldingbourne 286
 Aldingbourne member 286
Alliatina 50, **Pl. 24**
Alliatinella 50, **Pl. 24**
 Alliatinidae 50
Allogromia 23
 Allogromiida 23, 96, **Fig. 6.1**
 Allogromiidae 23
 Allogromiidea 23
Allomorphina 57, 243, **Pl. 28**
Allomorphinella 57
 Almirante Camara fan 209
 Alps, Austrian, Swiss 194, 250
Alveolina 42, **Pl. 19, Figs. 7.4, 9.10**
Alveolinella 42, 85, **Pl. 19**
 Alveolinidae 42, **Fig. 9.5**
Alveolophragmium 24
Alveosepta 107
Alveovalvulina 103, 221, 246, **Pl. 56, Fig. 9.14**
Alveovalvulinella **Pl. 56**
 Amacuro member 246
Amijiella **Pl. 41, Fig. 9.3**
 amino acids, uptake of 15
 amino acid racemisation 278
Ammoastuta 80
Ammobaculites 24, 80, 102, **Pl. 4, Fig. 3.1**
 Ammodiscana 22
 Ammodiscidae 24, 107
 Ammodiscidea 23
Ammodiscoides 106, 243
Ammodiscus 24, 103, 106, 243, **Pls. 3, 51, 52,**
Figs. 3.1, 9.11
Ammocycloloculina 24, **Pl. 4**
Ammolagena 24, 106, **Pls. 3, 51, 52,**
Fig. 9.11
Ammomarginulina 24, 80, **Pl. 49, Fig. 9.11**
Ammomassilina 42
Ammonia 57, 80, 281, 284, 289–90, 292,
Pl. 29, Fig. 9.14
Ammonial/Elphidium or A/E Index 89
Ammopemphix 23
Ammosphaeroidina **Pl. 56**
Ammotium 24, 80, **Pl. 4**
Ammovertella 197
Amphicoryna 42, 243, **Pl. 20**
Amphimorphina 45
Amphisorus 39, 85, **Pl. 17**
Amphistegina 55
 analytical data acquisition 11, **Fig. 2.1**
Anaticinella 67

- Anchispirocyclina* 107
 Andimadam formation 187
 Andrew field 254
 Andrew formation 254
Androsina 39
 Anglian 285
 Angola 110, 156–7, **Figs. 7.2, 9.1**
Angulodiscorbis 52
Annulocibicides 55, **Pl. 27**
Anomalinella 55
 Anomalinidae 55, 79, 82, 100
Anomalinoides 55, 226, 241, 243, **Pls. 27, 60, 64, 70**
 anoxia, anoxic environments 76, 88, 194, 218
 (see also anthropogenically mediated eutrophication and anoxia)
 Antarctic Peninsula shelf 87
 anthropogenically mediated eutrophication and anoxia 271
 anthropogenically mediated global change ('global warming') 273
 aperture 13, 16
 Appalachians 256
Aragonella 69
 Aragonite 16
 Aragonite Compensation Depth 78, 83
Archaealveolina 108
 Archaeodiscidae 36
 Archaeodiscidea 36
 Archaeodiscina 36
Archaeodiscus 36, **Pl. 15**
Archaeoglobigerina 67
 archaeology 7
 archaeostratigraphy 278
Archaias 39, 85, **Pls. 17, 45**
 Ardyne 288–9
 Ardyne formation 288–9
 Ardyne Point member 289
 areal (aperture) 16
Arenobulimina 30, **Pl. 10**
Arenomeandrospira 24, 84, 154, 158, **Pl. 3**
Arenoparrella 24, 80, **Pl. 6**
 Areo formation 219, **Fig. 9.13**
Argillotuba 24
 Argyll 288, 289
 Arkansas 224
Arnaudella 60
 Arne field 254
 artificial neural networks (ANN) and self organising maps (SOM) 90
 Ashtart field 155
 Aso-kai lagoon 104
 Assam, basin 186, 187
Assilina 60, **Pl. 31, Fig. 7.4, 9.10**
Astacolus 42, 288, 289, **Pls. 20, 68**
Asterigerina 198, **Pl. 50**
Asterigerinata **Pl. 26**
 Asterigerinidae 55
 Asterigerinidea 52
Asterocyclina 60, **Pl. 33**
Asterigerina 55
Asterigerinata 55
Asterocyclina 220
Asterophragmina 60
Asterorbis 60
Asterorotalia 80, 85
Astrammia 24
 astronomical tuning 131
Astrononion 57, 288, 289
Astrorhiza 15, 24
 Astrorhizida 23, **Figs. 4.1, 6.1**
 Astrorhizidae 24, 78, 87
Astrorotalia **Fig. 7.5**
Asymmetrina 50, **Pl. 24**
 Asymmetrinidae 50
 Ataxophragmiidae 30, 78, 99, 107
 Ataxophragmiidea 24
Ataxophragmium 30
 Atlantic **Fig. 13.1**
Aubignyna 80, 281, 284, 285, 290, 291
 Austral realm 106, 107, 127
 Austin Chalk 224
 Australia 273
Austrotrillina 42, **Pl. 45**
 automated species identification 7
 Aveley Interglacial 286
 Azerbaijan 256, 267
 AZTI Marine Biotic Index or AMBI 272

 Ba and Cd values 112
 Bab basin, source-rock 166, 248, **Fig. 9.8**
Baculogypsina 60, 85, **Pl. 29**
Baculogypsinoidea 60
 baffle (to fluid flow) 157, 255
Baggatel 45, **Pl. 22**
Baggina 52, **Pl. 25**
 Bagginidae 52
Bandyella 48
Bangiana **Fig. 7.4**
 Bangladesh 186, 187
 Barbados 3, 6, 218, 220, 221, **Fig. 9.13**
Barkerina 108
 Barmer basin 187
 Barranquin formation **Fig. 9.13**
 barrier (to fluid flow) 157, 255
 basal (aperture) 16
 Basco-Cantabrian basin 262
 bases (of ranges) 125
 basin analysis 160, 164
 basinward shifts (in facies) 140, 141
 Baska formation **Fig. 9.10**
 bathyal environments, zones **Figs. 4.1, 9.11**
 (see also deep marine)
 bathymetry, bathymetric distribution, ranges 5, 19, 74, 77, **Fig. 4.1**
 bathypelagic 21, 79, 80, 101

- Bathysiphon* 24, 106, 121, 243, **Pls. 2, 51, 52**,
Figs. 3.1, 9.11
Beella 68
 Beestonian 283
 Belderg 287
 Belderg formation 287
 Bembridge 284
 Benderloch 288, 289
 benthic (habit) 14
 Benthic Foraminiferal Oxygen Index (BFOI) 20, 88,
 89, 109, 110
 Benthic Quality Index or BQI 273
Biarrizina 57
 biases (taphonomic, sampling, processing,
 identification) 96, 119, 124
Bifarina 67
Bigennerina 24, **Pl. 5**
Biglobigerinella 67, **Fig. 9.13**
Biloculina 42, **Pl. 18**
Biloculinella 42
 biogeochemical proxies in palaeoenvironmental
 interpretation 111
 biogeography, biogeographic provinces, distributions
 of Foraminifera 5, 74, 86, **Figs. 4.2, 13.1**
 biology 13
 biomineralisation 16
Biorbulina 68
 bioremediation: *see* remediation
 biosteering 7, 252, 253, 254
 biostratigraphic and associated visualisation
 technologies 133
 biostratigraphic index or marker fossils: *see* index or
 marker fossils
 biostratigraphy, biostratigraphic correlation, zonation
 5, 124, 125, 126, 168, 180, 181, 188, 192, 195,
 205, 210, 214, 219, 221, 225, 243, 244, 246,
 248, 249, 250, 253, 254, 263, 264, 266, 267,
 277, **Figs. 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 9.3**,
9.10, 9.13
Biplanispira 60
 biserial (chamber arrangement) 16
 Bissex Hill formation **Fig. 9.13**.
 Black Rock member 286
 Black Sea 88, 256, 267
Bolivina 48, 80, 89, 106, 110, 146, 198, 241,
 243, 272, 281, 291, **Pls. 50, 64, 65, 69**,
Figs. 9.14, 9.16
Bolivinita 48, 243, **Pl. 23**.
 Bolivinitidae 48
 Bolivinitidea 48
Bolivinoidea 48, **Pl. 23**
Bolliella 69
 Bombay or Mumbai basin 186, 187, 189
 Bombay High field 189
 Boreal realm 106, 107, 127
Borelis 42, 85, 181, **Pls. 19, 45**
Botellina 24
 ‘Boulder Patch’ kelp community, Stefansson Sound 271
 Bourri field 155
 Boxgrove 284, 290
 Brady 1, 21, 87, **Box 1**
Bradyina 31, **Pl. 12**
 Brasso formation **Fig. 9.13**
 Brazil 150, 160, 209, 210, 273
 Brent delta, group 246
 Bridlington 288
 Bridlington Crag, member 288
 British Geological Survey 124, 194
 British Isles 124, (*see also* Great Britain, United
 Kingdom)
Brizalina 48, **Pls. 23, 69**
Broeckina 39
 Broughton Bay 288
Brunsiina 31
Buccella 52, 291, 287, 288, 289, **Pl. 25**
Bulbobaculites 24
Bulimina 45, 83, 89, 106, 198, 226, 243, 272,
 281, 286, 290, **Pls. 22, 50, 55, 60, 62, 66, 69**,
Fig. 9.16
Buliminella 45, 103, 110, 221, 226, 247, **Pls. 22, 61**,
Fig. 9.14
Buliminellita 48
 Buliminida 22, 45, 76, 78, 98, 100, 121, 127,
Figs. 4.1, 6.1
 Buliminidae 45
 Buliminidea 45
Buliminoides 48, **Pl. 22**
Bullalveolina 42, **Pl. 19, Fig. 7.4**
Bullopora 45, **Pl. 21**
 Burtle formation 287
Buzasina 24, **Pls. 51, 52, Fig. 9.11**
 Cabo de Gata Lagoon, Almeria 268
 calcareous (wall structure) 16
 calcareous benthic Foraminifera 20, 76, 78, 97, 100,
 106, 121, 127, 243 (*see also* Buliminida,
 Fusulinida, Miliolida, Nodosariida, Robertinida,
 Rotalliida)
Calcarina 60, 85, **Pl. 29**
 Calcarinidae 60
 calcification 16
 calcite 16
 Calcite Compensation Depth (CCD) 83,
 91, 97
Calcitornella 37, **Pl. 16**
Calcituba 39, **Pl. 16**
Calcivertella 37
 California 6, 84, 274
 Calleva Atrebatum 278
 Cambay basin 186, 188
 Cambay Shale formation 187
 Cameroon 210
 Campeche trend 224
 Campos basin 150
 Canada 112, 268
Cancellina 34, **Pl. 14**

- Cancris* 52, 226, 281, **Pls. 25, 58**
Cancrisidae 52
Candeina 68, 80
 cap-rocks (seals), capacity, micropalaeontological
 characterisation of, stratigraphic controls on
 development of 156, 168, 187, 195, 209, 219,
 224, **Figs. 9.1, 9.2**
 Carapita formation 219, **Fig. 9.13**
 Caratas formation **Fig. 9.13**
 carbon dioxide sequestration 274
 carbonate cycle 87, 109
 Cardigan Bay 286, 288, 290
 Caribbean 159
 Carpathians, Polish 6, 194, 250
 Carpenter 4
Carpenteria 57
 Caspian Sea 256, 267
Cassidella 45
Cassidulina 48, 83, 86, 89, 106, 198, 226, 284, 285,
 286, 287, 288, 289, 291, **Pls. 23, 50, 53, 55, 58,**
 69, Fig. 9.16
Cassidulinidae 48, 75, 266
Cassidulinidea 48
Cassidulinoides 48, 243, **Pls. 23, 69**
Cassigerinella **Fig. 9.13**
Catapsydrax 68, **Pls. 39, 53, Figs. 7.6, 9.13**
Caucasella 68
Caucasina 48
Caudammina 24
 Cauvery basin 186, 187
 caving (contamination) 10, 125
 cells 13
Cellanthus 57
 CellTracker Green 14
 Cenozoic 108, 110, 120, 127, 128, 129, 174, 189, 197,
 210, 219, 225, **Figs. 6.1, 9.11, 9.13, 9.14**
 (see also Neogene, Palaeogene, Quaternary)
Centropyxis **Fig. 9.14**
Ceratobulimina 50, 106, **Pl. 24**
Ceratobuliminidae 50
Ceratobuliminidea 50
Ceratocancris 50, **Pl. 24**
Ceratolamarckina 50, **Pl. 24**
Cerobertina 50
 Chalk (rock type, rock unit) 155, 194, 254, 262, 263,
 264, 265, 266, 267
Challenger, HMS, voyage of, *Report* of 3, 4, 5, 87
 chamber arrangement 16
 Channel tunnel 265
Chapmanina 57, **Pls. 29, 43**
Chapmaninidae 57
Charltonina 55, **Pl. 26**
 Chaudiere formation **Fig. 9.13**
 Chile 209
Chiloguembelina 67, **Pl. 38, Fig. 7.5**
Chiloguembelinella 67
Chiloguembelinidae 67
Chilostomella 57, 76, 83, 89, 106, 243, **Pl. 28**
Chilostomellidae 57, 79, 82, 100
Chilostomelloides 57
 Chimana formation **Fig. 9.13**
 Chitarwata formation **Fig. 9.10**
Choffatella 24, 107, 108, **Pl. 47, Figs. 9.5, 9.13**
 chronostratigraphic diagrams 143, 164
 chronostratigraphy 164
Chrysalidinidae **Fig. 9.5**
Chrysalidinella 48, **Pl. 22**
Chrysalogonium 42
Chubbina 42
Cibicides 55, 80, 87, 106, 110, 111, 198, 291,
 Pls. 27, 50
Cibicidina 55, 226, **Pl. 62**
Cibicoides 55, 84, 103, 106, 198, 225, 226, 243,
 Pls. 27, 50, 53, 55, 57, 59, 60, 61, 62, 63, 65,
 66, 70, Fig. 9.16
Cibicorbis 225, **Pl. 57**
 Cipero formation **Fig. 9.13**
Cisalveolina 42, 108
Citharina 42, **Pl. 20**
 classification, suprageneric 21
Clavigerinella 69
Clavihedbergella 64
Clavulina 26, **Pl. 8**
Clavulinoides 26
 clear-water Foraminifera 146
Climacammina 31, **Pl. 12**
 CLIMAP 6
 cluster analysis 91, 135
Colaniella 36, 181, **Pl. 15**
Colaniellidae 36
Colaniellidea 36
 cold (hydrocarbon) seeps 83, 103
Colonammina 23
 Colombia 218
 Columbus basin 113, 114, 142, 256, 271
 Common Risk Segment (CRS) – and Composite
 Common Risk Segment (CCRS) – maps 126,
 144, 160, 164
 Composite Common Risk Segment (CCRS) maps:
 see Common Risk Segment (CRS) maps
 Composite Standard, Composite Standard Units
 (CSUs) 137
 concurrent (overlapping) ranges 125
 condensed sections (CSs), characterisation of 141, 142,
 144, 157, 158, 244, 247, **Fig. 9.1**
Conglophragmium 24, **Pls. 51, 52, Fig. 9.11**
 Congo 272
Conicorbitolina **Pl. 42, Fig. 9.4**
Conicospirillina **Fig. 9.3**
Conoglobigerina 64, **Pl. 36**
Conorboides 50, **Pl. 24**
Conorboididae 50
Conorotalites 55
 Conset formation **Fig. 9.13**
 Constrained Optimisation (CONOP) 134
 contamination 10

378

'Continental School' 1
Contusotruncana 67
 Cooley Farm member 287
 Cool-Temperate province **Fig. 13.1**
 coral reef vitality 273
 core, conventional-, side-wall- 10, 161
Cornuspira 37, 80, 271, 281, **Pls. 16, 67**
Cornuspirella 37
 Cornuspiridae 37
Cornuspiroides 37
 correlation coefficient 114
 correspondence analysis 91, 135, **Fig. 7.2**
 Corton 285
 Corton member 285
 Corvish 289
 cosine-theta plots 114
Coskinolina 30, 181, **Pl. 11**
Coskinolinella 108
Coskinolinoides 30, 108, **Pl. 11**
 Cosmogenic chlorine-36 rock exposure 278
 Cotorra mudstone 219
 County Clare 194
 County Donegal 289
 County Down 289
 County Durham 286
 County Louth 287
Crenetella 42, **Pl. 18**
 Cretaceous **Figs. 5.2, 7.3, 9.4, 9.5, 9.7, 9.8, 9.13**
Cribrbulimina 26, **Pl. 8**
Cribroelphidium 57, 80
Cribrogenerina 34, **Pl. 12**
Cribrogloborotalia 52
Cribrogoesella 26, **Pl. 7**
Cribrohantkenina 69, **Fig. 7.5**
Cribrolenticulina 42
Cribrolinoides 42
Cribrononion 57
Cribropleurostomella 48
Cribropyrgo 42
Cribrorobulina 42
Cribrospira 31
Cribrospiroolina 39
Cribrostomoides 24, 87, 106, **Pls. 51, 52, 54, Fig. 9.11.**
Cribrostomum 34, **Pl. 12.**
 Cromer Forest-Bed formation 281, 283
 Cromerian 283
 cross-plots 19, 20, 85, 103, 106, 205, 243, 246, 250
Cruciloculina 42, **Pl. 18.**
 Cruse formation **Fig. 9.13.**
 Cuiche formation **Fig. 9.13.**
 cryptic species 22
Cuneolina **Fig. 9.5.**
 Cushman 1, 21
Cushmanella 50
Cuvillierina 60
Cyclammina 24, 103, 106, 198, 221, 247, **Pls. 4, 51, 52, 54, 56, Fig. 9.14**

Index

Cyclocibicides 55
 Cyclocypeidae 60
Cyclocypeus 60, **Pl. 31, Fig. 7.4**
Cycloforina 42
Cycloloculina 55
Cyclorbiculina 39
Cymbalopora 52, **Pl. 25**
Cymbaloporetta 52, **Pl. 25**
 Cymbaloporidae 52
Cystammina 24, 106, **Pls. 51, 52, Fig. 9.11**

Dainita 45, **Pl. 21**
 Dansgaard-Oeschger events 111
Daviesina 60
Deckerella 34, **Pl. 12**
Deckerellina 34, **Pl. 12**
 deep marine environments 82, 102 (*see also* abyssal, bathyal environments, submarine fans)
 Deep-Sea Drilling Project (DSDP) 6, 109
 Deep-Water Agglutinating Foraminifera (DWAfS) 86, 97, 103, 105, 106, 146, 192, 198, 243
 deepening-upward (bathymetric trends) 111, 181, 193, 207, 214, 223, 244
Delosina 45
 delta effect 99
 deltas, peri-deltaic sub-environments (delta-top, delta-front, prodelta) 19, 76, 80, 84, 97, 103, 143, 203, 221, 246, 247, **Figs. 9.14, 9.15**
Dendritina 39, **Pl. 45**
 dendrochronology 278
Dendrophrya 24, **Pl. 2, Fig. 3.1**
 denitrification (of intracellular nitrate stores) 15
Dentalina 42, 89, 98, 287, 289, **Pls. 20, 68**
 depth: *see* bathymetry.
 Derryogue member 287
 descriptive morphology and morphological description 16
 detritus-feeding or detritivory 14
 Devensian 287
 Devil's Hole 284, 285, 286
 Devon 287, 290
 Dhruma formation **Fig. 9.3**
Dhrumella **Fig. 9.3**
 Dhulaima field 248
Dicarinella 67, 196, 266, **Fig. 7.3**
Dictyoconoides 57, **Pls. 29, 43**
Dictyoconus 30
Dictyokathina 57
Dictyopsella 24
Dicyclina 24
 Dicyclinidae **Fig. 9.5**
 Dimlington 288
Diplotremina 50, **Pl. 24**
Discamminoides **Fig. 7.2**
Discocyclina 60, **Pl. 33, Fig. 7.4**
 Discocyclinidae 60
 Discorbidae 52, 79, 100
 Discorbidea 52

- Discorbinella* 52, **Pls. 25, 70, Fig. 9.16**
Discorbis 52, 80, **Pl. 25**
Discorbitura 52
Discorinopsis 80
Discospirina 39
 dissolved organic material (DOM) 15
 ditch-cuttings 10, 125, 161
 diversity **Figs. 4.1, 4.2** (*see also* abundance, diversity, dominance and equitability)
 Diyab basin, source-rock 166, **Fig. 9.6**
 Dog Mills 288
 Dog Mills member 288
 Dolphin field 113, 114, 221
 dominance: *see* abundance, diversity, dominance and equitability
 D'Orbigny 1, 15, 21
Dorothia 26, 106, **Pls. 7, 51, 52, Fig. 9.11**
 Dorset 256
 Dovey marshes 290
 Drammensfjord 104
 drilling, environment, mud, technologies 10, 11, 161
 Dundalk Bay 287
 Dunghan formation **Fig. 9.10**
 Dunlin delta, group 19, 103
Duoplanum 39
Duostomina 50, **Pl. 24**
 Duostominidae 50
 Duostominidea 50
Dusenburyina 26
Dycobicides 55, **Pl. 27**
Dyofrondicularia 45
 dysoxia, dysoxic environments 75, 76, 88, 89, 97, 98, 102, 104 (*see also* hypoxia)

 Eagle Ford formation 224, 256
Earlandia 31, **Pl. 12**
 Earlandiidae 31
Earlandita 34
 Earnley, Bracklesham Bay 285
 Early Eocene Climatic Optimum (EECO) 110
 Easington 286
 Easington formation 286
 East Grimstead quarry 264
 Eastern Venezuelan basin 128, 132, 214, **Figs. 9.13, 9.14, 9.15**
 Ebro delta 85
 ecological depression (of range tops) 126, 144
 Ecology, ecological tolerances, preferences, distributions, ranges 74, **Fig. 4.1**
 Ecuador 124
Edentostomina 39, **Pl. 16**
 Edwards formation 224
 'effective CCD' 97
Eggerella 26, 103, 221, 243, 247, **Pls. 9, 67, Fig. 9.14**
 Eggerellidae 26
Eggerellina 30, **Pl. 10**
Eggerelloides 30, 80
 Egypt 105, 256, 267, **Fig. 8.1**

Ehrenbergina 48, 106, 243, **Pl. 23**
 Eigenvector and multivariate techniques 91, 113
 El Cantil formation **Fig. 9.13**
 El Garia formation 155, 156
 El Huco fan 86
 Eldfisk field 254
 electron spin resonance (ESR) 254
Elhasella 48
Ellipsobulimina 48
Ellipsocristellaria 45, **Pl. 20**
Ellipsoglandulina 48, **Pl. 23**
Ellipsoidella 48
Ellipsolingulina 48, **Pl. 23**
Ellipsopolymorphina 48, **Pl. 23**
Elphidiella 57, 271, 285, 287, 288, 289, **Pls. 28, 71**
 Elphidiidae 57, 79, 100
Elphidium 57, 80, 85, 102, 198, 281, 283, 284, 285, 286, 287, 288, 289, 290, 292, **Pls. 28, 50, 71, 72**
 end-Cretaceous mass extinction 120, 121, 122
 end-Permian mass extinction 119, 121
Endothyra 31, **Pl. 12**
Endothyranella 31
Endothyranopsis 31
 Endothyridae 31
 Endothyridea 31
 engineering geology 7, 125
 English Civil War (archaeology) 278
 'English School' 1
Entzia 24, 80, 102, **Pl. 6, Fig. 3.1**
 environmental archaeology 278
 Environmental Impact Assessment (EIA) 256, 270
 environmental interpretation technologies 89
 environmental monitoring 271
 environmental science 7 (*see also* Environmental Impact Assessment (EIA), environmental monitoring)
 environmental stress 15, 89, 105, 112
 environmental stress gradient 263
Eoconuloides 220
Eoendothyranopsis 31
Eoguttulina 45, **Pl. 21**
Eoophthalmidium 39, **Pl. 16**
Eosigmolima 39, **Pl. 16**
Eostaffella 34
Eouvigerina 48, 110, **Pl. 23**
 Eouvigerinidae 48
Eoverbeekina 34, **Pl. 13**
 epifaunal (life position) 14
 epipelagic 20, 79, 80, 101
 Epistomariidae 79, 100
Epistomina 50, **Pl. 24**
Epistominella 22, 48, **Pl. 22**
 Epistominidae 50, 107, **Fig. 9.5**
Epistominita 50
Epistominoides 50, **Pl. 24**

- Eponides* 52, 106, 243, **Pl. 26**
Eponididae 52, 79, 100
 equitability: *see* abundance, diversity, dominance and equitability
Eratidus 24, **Pls. 4, 51, 52, Fig. 9.11**
 erosional hiatus 146
Eosyrinx 45, 281, 289, **Pl. 21**
 Espirito Santo basin 209
 estuaries, estuarine environments 81, 102
Eulepidina 64, **Pls. 35, 45**
 euphotic zone 80, 101
 European Marine Strategy Framework Directive (EMSFD) 7
 European Water Framework Directive (EWFD) 7, 272
 eurybathyal 75
 euryhaline 75
 eurythermal 75
 eutrophication: *see* anthropogenically-mediated eutrophication and anoxia
Everticyclammina 107, 181
Evolutinella 24, **Pls. 51, 52, 54, Fig. 9.11**
 evolutionary history (of Foraminifera) 119

 F/Ca ratios 111
Fabianina 52
Fabularia 42, **Pl. 18**
 facies discontinuities 113, 114
 facies fossils 95
 factor analysis 91
Fallotella **Fig. 7.4**
Fallotia 39
Falsogaudryinella 196, **Pl. 48**
 Far East: *see* south-east Asia
Faujasina 57, **Pl. 28**
Favocassidulina 48
Favusella 64, 181, **Fig. 9.13**
 feeding, feeding strategies 14, 17
Ferayina 57, **Pl. 29**
Feurtillia 24
 Fiji 5
Fijiella 48
 First Appearance Datums (FADs) 125
 First Down-hole Occurrences (FDOs) 125
 First Occurrences (FOs) 125
Fischerina 39, **Pl. 16**
 Fishbourne 278
Fissoelphidium 60, **Pl. 29**
Fissurina 45, 80, 106, 281, 292, **Pl. 21**
Flabellammina 24, **Pl. 4, Fig. 9.3**
Flabellamminopsis 24
Flabellinella 42, **Pl. 20**
 Flandrian 290
 Fleming field 113, 245
Flintia 42, **Pl. 18**
Flintina **Pl. 67**
 Florida 273
Flosculinella 42, 181, **Pl. 19**

 Flysch-type faunas: *see* Deep-Water Agglutinating Foraminifera (DWAfs)
Fohsella 69, **Pl. 53, Fig. 7.6**
 FORaminifera in Assessment and Monitoring, or FORAM, Index, or FI 273
 FORaminiferal Bio-Monitoring or FOBIMO 272
 Foraminifer-ea 21
 Forties field 250
 Forties formation 250
 fossil age-group plots (overlain on work-station seismic) 134
 Foz do Amazonas basin 210
 France 271
Francesita 243
Francuscia 243
Froncularia 42, **Pls. 20, 68**
Fronulina 34
 functional morphology 17, 189, 213
 (*see also* morphogroups)
 Furrial trend 218
Fursenkoina 45, 89, 106, 243
Fusarchaia 39
Fusulina 34, **Pl. 13**
Fusulinella 34, **Pl. 13**
 Fusulinida 30, 97, 100, 107, 119, 121, 127, 128, 174, 176, **Fig. 6.1**
 Fusulinidae 34
 Fusulinidea 34
 Fusulinina 30
 fuzzy C means (FCM) 113, 201
 fuzzy logic 113

Gabonita 110
 Gajulapadu formation 187
Gansserina **Fig. 7.3**
 Garau basin, source-rock **Figs. 9.7, 9.8**
Gaudryina 26, 198, 243, 281, **Pls. 9, 50**
 Gault clay 265
 Gautier formation **Fig. 9.13**
Gavelinella 52, 110, 196
Gavelinopsis 52, 79, 82, 100, 243
Geminospira 50, **Pl. 24**
 geochronological time-scale 130, 131
 Geographic Information System (GIS)
 technology 160
 geo-hazards 267, 268
 Ghawar field 167
 Ghazij formation **Fig. 9.10**
Glaboratella 52, 80, **Pl. 25**
 Glabratellidae 79, 100
 glacial 111
 Glamorgan 288
Glandulina 45, **Pl. 21**
 Glandulinidae 45
Glandulopleurostomella 45
 Glauconitic Marl member 278
 Glenrose formation 224
 Glenulra 287

- global change, 'global warming':
 see anthropogenically mediated global change ('global warming')
- Global Stratotype Sections and Points (GSSPs) 138
- Globanomalina* 69, **Pl. 39**, **Fig. 7.5**
- Globigerapsis* 68
- Globigerina* 68, **Pl. 40**, **Figs. 7.5, 7.6, 9.10, 9.13**
- Globigerinacea 266
- Globigerinatella* 68, **Figs. 7.6, 9.13**
- Globigerinatheka* 68, **Pl. 39**, **Figs. 7.5, 9.13**
- Globigerinella* 69
- Globigerinelloides* 67, 196, **Pls. 37, 48**, **Fig. 7.3**
- Globigerinida 22, 64, 120, 128, 176, **Fig. 6.1**
 (*see also* planktic Foraminifera)
- Globigerinidae 20, 68, 79, 80, 101, 131
- Globigerinidea 67
- Globigerinita* 68
- Globigerinoides* 68, **Pl. 53**, **Fig. 9.13**
- Globigerinoïta* 68
- Globobulimina* 45, 85, 89, 103, 106, 243
- Globocassidulina* 48, 106
- Globoconella* 69
- Globoconusa* 198
- Globoquadrina* 69, **Figs. 7.5, 7.6**
- Globorotalia* 69, **Pl. 53**, **Figs. 7.6, 9.10, 9.13**
- Globorotaliidae 21, 69, 101
- Globorotalites* 55, 266
- Globotruncana* 67, 181, 266, **Figs. 7.3, 9.13**
- Globotruncanella* 67, **Fig. 7.3**
- Globotruncanidae 67, 101, 110, 171
- Globotruncanita* 67, **Fig. 7.3**
- Globuligerina* 64, **Pl. 36**, **Fig. 7.3**
- Globulina* 45, 106, **Pl. 21**
- Globulotuba* 45, **Pl. 21**
- Glomalveolina* 42, **Pl. 19**, **Fig. 7.4**
- Glomospira* 24, 103, 106, 221, 243, 247, **Pls. 3, 51, 52, 54**, **Figs. 3.1, 9.11, 9.14**
- Glomospirella* 24, **Pls. 3, 49**
- Glyphostomella* 31
- Goldcliff 286
- Golden Lane trend 224
- Gonatosphaera* 45
- Gordiospira* 37, 281, 289, **Pl. 16**
- Gotnia basin 166
- granular (wall structure) 16
- graphic correlation 134, 135, 157, 168, 181, 205, 244, **Fig. 8.1**
- Gravellina* 26
- Great Barrier Reef 273
- Great Britain 271 (*see also* British Isles, United Kingdom)
- Great Yarmouth 284
- greenhouse 142
- Greylake 287
- Grigelis* **Pl. 68**
- Gross Depositional Environment (GDE) maps 126, 144, 160 (*see also* palaeogeographic and facies maps)
- growth 15
- Grzybowski 6
- Guayaguayare formation **Fig. 9.13**
- Gublerina* 67, **Pl. 38**
- Guembelitra* 68, **Pl. 39**
- Guembelitriella* 68
- Guembelitriidae 68
- Guembelitrioides* **Fig. 7.5**
- Gulf of Mexico 6, 99, 106, 113, 114, 128, 132, 142, 143, 160, 161, 223, **Fig. 9.16**
- Gullfaks field 246
- Guttulina* 45, 106, 271, 281, 288, 289, **Pl. 21**
- Gwent Levels 286
- Gypsina* 55, **Pl. 27**
- Gyroidina* 76, 89, 243, **Pl. 70**
- Gyroidinoides* 52, 106, 263
- Halkyardia* 52, **Pl. 43**
- Halyphysema* 24, **Pl. 2**, **Fig. 3.1**
- Hampshire 278
- Hampshire basin 104
- Hansenisca* 52, 76, 89, 106, 243, **Pls. 25, 55, 70**
- Hantkenina* 69, 288, **Figs. 7.5, 9.13**
- Hantkeninidae 69
- Hantkeninidea 69
- Hanzawaia* 55, 225, **Pls. 57, 61, Fig. 9.14**
- Haplophragmella* 31, **Pl. 12**
- Haplophragmium* 24
- Haplophragmoides* 24, 80, 102, 106, 196, 243, **Pls. 4, 56**, **Fig. 7.2**
- Happisburgh 283
- Hasdrubal field 156
- Hastigerinidae 69, 79, 80
- Hastigerinoides* 67
- Hastigerinopsis* 69
- Hauerina* 42
- Hauerinella* 39, **Pl. 16**
- Haurania* 39, **Pls. 17, 41**, **Fig. 9.3**
- Hawaii 273
- Hawke's Bay 268
- Hawkins field 113, 201
- Haynes 6, 21, 22, 23, 119, 120
- Haynesville formation 224
- Health, Safety and Environmental (HSE) issues (in the petroleum industry) 256
- Hebridean shelf 288, 289
- Hedbergella* 64, 99, 107, 196, 249, 266, **Pl. 37, Fig. 7.3**
- Hedbergellidae 64, 101, **Fig. 9.5**
- Hedbergellidea 64
- Heinrich events 111
- Helicolepidina* 64
- Helicorbitoides* 60, **Pl. 30**
- Helicostegina* 64, **Pl. 35**
- Helvetoglobotruncana* 67, **Fig. 7.3**
- Hemicyclammina* **Fig. 9.5**

- Hemigordiopsis* 37
Hemigordius 37, **Pl. 16**
 hemipelagic environments, sediments, hemipelagites
 20, 105, 157, 243, 251, 255, **Figs. 3.2., 9.1**
Hensonia 26
Heronallenia 52, 243
 Herrera formation **Fig. 9.13**
 Hertfordshire 263
Heterillina 42, **Pl. 18**
 Heterohelcidae 67, 110
 Heterohelicidea 67
Heterohelix 67, **Pl. 38**
Heterolepa 55, 225, **Pls. 27, 57, 70**
Heterostegina 60, 85, **Pls. 31, 45, Fig. 7.4**
Hippocrepina 24, **Pl. 2, Fig. 3.1**
Hoeglundina 50, 89, 98, 243, **Pls. 24, 55**
 Holderness formation 288
Homotrema 57, **Pl. 27**
 Homotrematidae 55
 Hope's Nose 287
Hopkinsina 48
Hormosina 24, 106, **Pls. 4, 51, 52, 54, Figs. 7.2, 9.11**
Hormosinella 24, **Pls. 51, 52, 54, Fig. 9.11**
Hormosinana 22
 Hormosinidae 87
Howchinia 36, **Pl. 15**
 Hoxnian 285
 human evolution, dispersal, activity, remains,
 associated artefacts, context for 277, 283,
 284, 290
 Huxley 4
Hyalinea 55, **Pl. 27**
Hyalinonetrion **Pl. 68**
 hydrocarbon seeps: *see* cold seeps
 hydrodynamic sorting 105, 106
 hydrothermal vents and nekton falls 84, 103
Hyperammia 24, 106, **Pls. 2, 51, 52, 54,**
 Fig. 9.11
 hypersalinity, hypersaline environments 76, 98
 hyposalinity, hyposaline environments 75, 76,
 98, 99, 104
 hypoxia, hypoxic environments 75, 76, 88, 96, 97, 104
 (*see also* dysoxia)

 ice volume 111
 ice-house 142
 Iceland 111
Ichthyolaria 42
Idalina 42, **Pl. 18**
Igorina **Fig. 7.5**
 illustration 17
 imaging technology 6
 index or marker fossils 124, 125
 India 153, 186, 187, 189, 192
 Indian Ocean 88
 Indian subcontinent 128, 132, 146, 159, 182, **Fig. 9.10**
 Indo-Pacific province 96, 108
 Indus basin 114, 186, 187, 192

 infaunal (life position) 14
 Infaunal Trophic Index or ITI 273
 integration, integrated studies 12, 113, 126, 144, 160,
 163, 180, 192, 205, 214, 221, 243, 245, 246, 247,
 248, 249, 251, **Fig. 2.1**
 interglacial 111
 Inter-governmental Panel on Climate Change (IPCC)
 273
 interiomarginal (aperture) 16
 International Commission on Stratigraphy
 (ICS) 138
 interpretation 12, **Fig. 2.1**
 interstadial 111
 Interturbiditic environments, sediments, interturbidites
 20, 251, 255, **Fig. 3.2**
Involvohauerina 42
Ioanella 79, 82, 100, 243
 IPS 113, 134
 Ipswich 267
 Ipswichian 286
 Iran 6, 146
 Ireland 194, 287, 289
 Irish Sea 288
Islandiella 48, **Pl. 23**
 Islandiellidae 48
 Isle of Man 288
 Isle of Wight 278, 284
 Iyo-nada Bay 268

 Jackfork group 224
Jaculella 24, **Pl. 2, Fig. 3.1**
Jadammina: *see* *Entzia*
 Jaisalmer basin 187
 Japan 104, 268
Jarvisella **Pl. 56**
 Jdeir formation 155
 Jenam formation 187
 Jurassic **Figs. 5.1, 9.6, 9.12**
Jurassorotalia 64

 'K' strategy, selection 14, 121, 122
Kalamopsis 24
Karaburunia 39
 Karamat formation **Fig. 9.13**
Karrieriella 26, **Pls. 9, 49, 51, 52, 67,**
 Fig. 9.11
Karrerulina 26, 243, **Pls. 9, 49, 51, 52, 54,**
 Figs. 7.2, 9.11
Katacycloclypeus 60
Kathina 57
 Kazhdumi basin, source-rock 166, **Fig. 9.8**
 Kerkennah field 156
 Kharaib formation 253
 Khuff formation 253
Kilianina 30
 Killard Point 289
 Killard Point formation 289
 Killellan member 288

- Kimmeridge Clay formation, source-rock 150, 194,
Fig. 9.12
 Kirmington 286
 Kirmington formation 286
 Kirthar formation **Fig. 9.10**
 Kirthar ranges 187
 Kommugedem formation 187
 Komoki 96
 Kopili formation 187
 Krishna-Godavari basin 153, 186, 187, 192
Kurnubia 30, 107, 181, **Fig. 9.3**
 Kutch basin 187
 Kyoto Protocol 273
Kypophyxa 45, **Pl. 20**
- La Luna formation 218
 La Pica formation 219, 246, **Fig. 9.13**
 La Troya mine 262
Labyrinthina 107
Lacazina 42, 108
Lacazinella 42
Lachlanella 42
Laffiteina 57, **Fig. 7.4**
Lagena 42, 271, 281, 284, 286, 289, 291,
Pls. 20, 68
Lagenammina 23, **Pls. 51, 52, Fig. 9.11**
 Lagenida, Lagenina 36
 Lagoa Parda field 209
 Lake Agassiz and Lake Ojibway 112
Lamarckina 50
Lamarmorella 108
 land-slides 268
 landward shifts (in facies) 140, 141
Lankasterina 45, **Pl. 20**
 Larger Benthic Foraminifera (LBFs) 1, 14, 20,
 76, 78, 79, 85, 86, 97, 98, 101, 104, 107,
 108, 110, 124, 146, 152, 176, 188, 210,
 220, 249, 273, **Figs. 7.4, 9.3, 9.4,**
9.5, 9.10
 larger Miliolida 128, 129
 larger Rotaliida 57, 120, 122, 128, 129
Laryngosigma 45, 281, 288, 289, **Pl. 21**
 Lasiiodiscidae 36
Lasiodiscus 36
 Last Appearance Datums (LADs) 125
 Last Down-hole Occurrences (LDOs) 125
 Last Occurrences (LOs) 125
 Late Devonian mass extinction 121
Laticarinina 52, 79, 82, 100, 106, 243, **Pl. 25**
 Laurentide ice sheet 112
 Law of Strata Identified by Organised Fossils 124
 Lee 6, 21
 Leet Hill 285
 Leet Hill member 285
 Lekhwair field 248
 Lengua formation **Fig. 9.13**
Lenticulina 42, 89, 98, 106, 198, 243, **Pls. 20, 50, 68,**
Figs. 9.13, 9.16
- Lepidocyclina* 64, 181, **Pls. 35, 45**
 Lepidocyclinidae 64
Lepidorbitoides 60, **Pl. 30**
 Lepidorbitoididae 60
Lepidosemicyclina 60
Leupoldina 67, **Figs. 7.3, 9.13**
 Libya 155
 life activities 14
 life positions 17
 life strategies 14
 Lifeboat Station member 286
Lilliputianella 107
 Lincolnshire 286
Linderina 55, **Pl. 27**
 line of correlation (LOC) 134, 137
Lingulina 45, **Pls. 20, 68**
 Lingulinidae 45, 78, 82, 100
Lingulinopsis 45, **Pl. 20**
Lingulogavelinella 266
Lingulonodosaria 45
Lituola 24, **Pl. 4**
 Lituolida 24, **Figs. 4.1, 6.1**
 Lituolidae 24, 107, **Fig. 9.5**
 Lituolidea 24
Lituonella 30, **Pl. 11**
Lituotuba 24, **Pls. 51, 52, 54,**
Fig. 9.11
 Lituotubidae 99
 Lizard Springs formation **Fig. 9.13**
Lockhartia 57, **Pls. 29, 43,**
Fig. 7.4
 Loeblich & Tappan 6, 21,
 22, 119
Loeblichia 31, **Pl. 12**
Loftusia 24
 London 291
 Los Jabillos formation **Fig. 9.13**
 Louth formation 287
 Low Isles Reef 273
Loxostomum 110
Lunatriella 67
Lunucammina 36, **Pl. 15**
 Lunucamminidae 36
 Lyell 96
 lysocline 91
- magnetostratigraphy 130
 magnetic susceptibility 278
 Mahanadi-Bengal basin 187
Mangashtia 107
 Mannar basin 187
 mangrove swamps: *see* salt marshes and mangrove
 swamps
 Marcellus formation 256
 marginal marine environments 80, 102 (*see also* deltas,
 estuaries, lagoons, salt marshes and mangrove
 swamps)
Marginopora 39, 85, **Pl. 17**

- Marginotruncana* 67, 196, **Fig. 7.3**
Marginulina 42, **Pl. 20**
Marginulinopsis 42
 Maridale formation **Fig. 9.13**
 Marine Isotope Stage (MIS) stratigraphy 111, 278
Marsipella **Fig. 3.1**
Marssonella 26, 196, **Pl. 48, Fig. 9.5**
Martinottiella 26, 87, 106, 243, **Pls. 49, 51, 52, 56, 67, Figs. 9.11, 9.16**
Matanzia 226, **Pl. 61**
 maximum flooding surfaces (MFSs) 140, 141, 142, 144, 158, 181, 193, 205, 214, 222, 244
Meandropsina 39, **Pl. 46**
 Meandropsinidae 39
Meandropsira 37
 Medieval (archaeology) 291
 Mediterranean 155, 256, 267
 Mediterranean province 86, 108
Melonis 57, 79, 82, 100, 106, 243, **Pls. 28, 55**
Menardella 69, **Pl. 53, Fig. 7.6**
 Mesopelagic 79, 80, 101
Mesorbitolina 108, 181, 248, **Pl. 42, Fig. 9.4**
 Mesozoic 107, 120, 127, 128, 169, 188, 195, 210, 219, 225, **Fig. 6.1**
 Mesozoic–Cenozoic evolutionary biota 119
 Mexico 224
Micatuba 24
 microgranular (wall structure) 16
 Middle East 128, 132, 152, 159, 164, 245, **Figs. 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9**
 Middle Eocene Climatic Optimum (MECO) 111
 Middlezoey member 287
 Mid-Palaeocene Biotic Event (MPBE) 110
Migros 30, **Pl. 10**
 Mikhalevich 6, 21, 22
 Milankovitch cycles 111
Miliammia 22, 42, 80, 102, 103, 221, 247, 292, **Figs. 3.1, 9.14**
Miliola 42, **Pl. 18**
 Miliolata 22
 Miliolida 37, 76, 78, 98, 100, 121, 127, 174, **Figs. 4.1, 6.1**
 Miliolidae 39, **Fig. 9.5**
 Miliolidea 39
 milioline (chamber arrangement) 16
Miliolinella 42, 80, 271, 281, 287, **Pls. 18, 67**
Millerella 34
 Millettiidae 78, 100
 mineral geology 7, 125
Miniacina 57
 Minoan (archaeology) 277
Miogypsina 60, 181, **Pl. 30, Fig. 7.4**
 Miogypsinidae 60
Miogypsinoides 34, 181, **Pls. 30, 46, Fig. 7.4**
Miolepidocyclina 34
Mironovella 50
Miscellanea 60, **Pl. 29, Fig. 7.4**
 Miscellaneidae 57
Misellina 34, **Pl. 13**
 Mississippi delta 85, 89, 99, 243
 molecular biology 6, 22, 119
 molecular stratigraphy 278
Monspeliensisina 198, **Pl. 50**
 Monterey Bay, California 274
 Montrose group 250, 254
Morozovella 69, 288, **Figs. 7.5, 9.10, 9.13**
 morphogroups, morphotypes 15, 17, 19, 20, 158, 203, 205, 243, 246, 250, 251, 255, **Figs. 3.1, 3.2**
 (see also functional morphology)
 Mourne formation 287
 mud volcano flows 267
Multifidella 26, **Pl. 9**
 multilocular 16
Multiseptida 36
Multispirina 42
Murgella 108
 Nam Con Son basin 158
Nankinella 34
 Naokelekan basin, source-rock **Fig. 9.6**
 Naparima Hill formation 218, **Fig. 9.13**
 Nar member 285
 Nar Valley 285
 Nar Valley Clay 285
 Nar Valley formation 285
 Naricual formation 219, **Fig. 9.13**
 Nariva formation **Fig. 9.13**
Nautiloculina 39, **Fig. 9.3**
 Navet formation **Fig. 9.13**
 Nekton falls: see hydrothermal vents and nekton falls
Neobulimina 45, 110, **Fig. 9.13**
Neonoronbina 52
Neodiscocyclina 220
Neoponides 198, 226, **Pls. 50, 53, 60**
Neoflabellina 42
 Neogene **Fig. 7.6, 9.15**
Neogloboquadrina 69, 198, **Fig. 7.6**
Neoiragia 108
Neorbitolinopsis 108
 Neoproterozoic 119
Neoschwagerina 34, 181, **Pl. 14**
 Neoschwagerinidae 34
Neostaffella 34
Nephrolepidina 64, **Pls. 35, 46**
 neritic environments, zones 81, **Figs. 4.1, 9.11**
 (see also shallow marine)
Nevillina 42
 New Zealand 268
 Nezzazatidae **Fig. 9.5**
 Niger delta 143
 Nigeria 6
 Nile fan 86
 Ninian field 246
Nodobacularia 39, **Pl. 16**

- Nodophthalmidium* 39
Nodosarella 48, **Pl. 23**
Nodosaria 42, 89, 98, **Pls. 20, 68**
 Nodosariida 42, 76, 78, 98, 100, 121, **Figs. 4.1, 6.1**
 Nodosariidae 42
 Nodosariidea 42
Nodosinella 34, **Pl. 12**
 Nodosinellidae 34
Nonion 80, 103, 281, 284, 285, 286, 287, 288, 289, 291, 292, **Pl. 28**
Nonionella 243, 281, 286, 289, **Pls. 28, 70**
Nonionellina 198, 281, 287, 288, **Pls. 28, 50**
 Nonionidae 57, 79, 100, 271
 Nonionidea 57
 Norfolk 281, 283, 285
 North Africa 152, 159
 North Dome/South Pars field 167
 North Sea 19, 20, 103, 105, 113, 128, 142, 150, 155, 193, 245, 246, 250, 253, 254, 284, 285, 286, **Figs. 9.11, 9.12**
 North Sea Drift formation 285
 North Thatcher 287
 Norton member 286
 Norton Subcourse Quarry 284
 Norway, Norwegian sector (North Sea) 104, 246, 253
 Norwich Crag formation 281, 283
Notodendrodes **Fig. 3.1**
Nubecularia 39, **Pl. 16**
 Nubeculariidae 37
 Nubeculariidea 37
Nubeculina 39
Nubeculinella 39
 nucleus 13
Nummuloculina 42, 108, **Pl. 18**
 Nummulite banks, reservoirs 104, 155
Nummulites 1, 60, 181, **Pls. 31, 44, 46, Figs. 7.4, 9.10**
 Nummulitidae 60
 Nummulitidea 60
Nuttallides 106

Obandyella 69
Oberhauserella 64, **Pl. 36**
 Oberhauserellidae 22, 64, 127
 ocean acidification 274
 Ocean Drilling Program (ODP) 6, 109
 Oceanic Anoxic Events (OAEs) 109, 121, 122
 oceanic formation 3, **Fig. 9.13**
 oceanography 74, 87
Oculosiphon 24
 Oficina trend 218
 oligomerisation 22
 Oman 248
 Oman Mountains 166
Omphalocyclus 60, 181, **Pl. 34**
Oolina 45, 281, 286, 288, **Pls. 21, 68**
 Oolininae 243

Operculina 60, 85, 288, **Pl. 31**
Operculinella 60, 85, **Pl. 31**
Operculinoidea 60
 Ophthalmidiidae 39, 78, 82
 Ophthalmidiidea 39
Ophthalmidium 39, 281, 290, **Pl. 16**
 optically stimulated luminescence (OSL) 278
Orbitocyclina 60
Orbitoides 60, **Pl. 34, Fig. 7.4**
 Orbitoididae 60
 Orbitoididea 55
Orbitolina 30, 108, 181, **Pls. 11, 42, Fig. 9.4**
 Orbitolinidae 30, 146, 176, **Figs. 9.4, Fig. 9.5**
Orbitolinopsis 108
Orbitolites 39
Orbitopsella 107, 108
Orbulina 68, 181, **Fig. 7.6**
Orbulinoides 68, **Figs. 7.5, 9.10, 9.13**
 Oregon 84
 organic carbon cycle (and oxygenation) 87, 109
Oridorsalis 52, 76, 79, 82, 89, 100, 106, 243, **Pls. 26, 55**
 Orinoco delta 103, 221, 247
 ornamentation 16
Ornatononion **Fig. 7.4**
 Orrisdale formation 288
Orthokarstenia 110
Orthoplecta 48
Osangularia 106, 196, 243, **Pl. 48**
Osangulariella 55, 243
 Otago 268
 Otsuka plots 114
 outcrop geology 166, 186, 194, 209, 218, 224
Ovalveolina 42, 108, **Pl. 19**
 Oxfordshire 278
 oxia, oxic environments 88
 Oxygen Isotope Stage (OIS) stratigraphy: *see* Marine Isotope Stage (MIS) stratigraphy
 Oxygen Minimum Zones (OMZs) 76, 82, 88, 98, 101, 102, 109, 110
 oxygenation: *see* organic carbon cycle (and oxygenation)
Ozawia 57
Ozawainella 34
 Ozawainellidae 34

 Pab formation **Fig. 9.10**
 Pabdeh basin, source-rock 166 **Fig. 9.9**
Pachyphloia 36
 Pagham member 287
 paired ¹⁸O values and Mg/Ca ratios 111
 Pakefield 283
 Pakistan 114, 186, 187, 192, **Fig. 9.10**
 palaeobathymetry, palaeobathymetric distributions, ranges, trends 99, 113, 125, 146, 174, 176, 181, 192, 193, 201, 207, 213, 214, 221, 223, 241, 244, **Fig. 9.5, 9.11, 9.16**
Palaeobigenerina 34, **Pl. 12**

- palaeobiogeography 106, 192, 214, 221, **Figs. 5.1., 5.2., 5.3**
 palaeobiology: *see* palaeoecology and palaeoenvironmental interpretation
 palaeoceanography 109
 Palaeocene–Eocene Thermal Maximum (PETM) 110, 274
 Palaeoclimatology, palaeoclimatic interpretation 110, 277
Palaeodictyoconus 108, 181, **Pl. 47**
 palaeoecology and palaeoenvironmental interpretation, palaeoecological distributions, ranges, technologies 95, 96, 99, 112, 113, 125, 146, 164, 174, 181, 189, 201, 207, 212, 220, 241, 246, 247, 248, 249, 250, 277, **Figs. 9.5, 9.11, 9.13, 9.14**
 palaeoenvironmental visualisation technologies 112
Palaeofusulina 34
 Palaeogene **Figs. 5.3, 7.4, 7.5, 9.10**
 palaeogeographic and facies maps 164, 181, 193, 207, 214, 223, 244, 246, 247, 251 (*see also* Gross Depositional Environment (GDE) maps)
 Palaeolithic (archaeology) 290
Palaeomiliolina 39, **Pl. 16**
 Palaeomiliolinidae 39
Palaeopalmula 34
 palaeo-productivity (nutrient level) 112
 palaeosalinity 111
Palaeospiroplectammina 34
 Palaeo-Tethys, Palaeo-Tethyan realm 106, 107, 127, 128, 188
Palaeotextularia 34, **Pl. 12**
 Palaeotextulariidae 31
 Palaeozoic 107, 119, 127, 128, 168, 188, **Fig. 6.1**
 Palakollu formation 187
Palmula 42, **Pl. 20**
Palorbitolina 108, 181, 249, **Pls. 42, 47, Fig. 9.4**
Palorbitolinoides **Fig. 9.4**
 Palo Seco field 247
 Panna formation 187
 Papua New Guinea 6
Paracoskinolina 107, 108
Parafissurina 48, **Pl. 23**
Parafusulina 34
Paragloborotalia 69, **Pl. 53, Figs. 7.5, 7.6**
Paralockhartia **Fig. 7.4**
Pararotalia 57, 85, **Pl. 29**
 parasitism 15
Parasubbotina **Fig. 7.5**
Parathurammina 31
 Parathuramminidae 31
Parathuramminidea 31
Paratikhinella 31
Paratrochammina 24, 106, **Pl. 6**
Paratrochamminoides **Fig. 7.2**
Paravalvulina **Pl. 47**
Parrellina 57
 partial ranges 125
Parurgonia 107
Parvigenerina 24
Parvularugoglobigerina **Fig. 7.5**
 Paston 281
 Paston member 281
 Pastonian 281
Patellina 52, 291, **Pl. 25**
 Patellinidae 52
Patellinoides 52
 path-finding or -slotting algorithms 137
Pavonina 48, **Pl. 22**
 Pavoninidae 48, 78, 100
 Pedernales field 218, 219, 246
 Pedernales member 219, 246
 pelagic environments 243
Pelosina **Fig. 3.1**
Peneroplis 39, 85, **Pls. 17, 46**
Periloculina 42
 peripheral (aperture) 16
Permodiscus 36
 petroleum exploration 126, 159, 163, 164
 petroleum geology 7, 125, 149, 167, 186, 194, 209, 218, 224
 petroleum systems, petroleum systems analysis, inputs into 137, 150, 164
Pfenderina 30, 107, 108, **Pl. 41, Fig. 9.3**
 photic zone 101
 photosymbiosis, photosymbionts, implications for distribution and interpretation 14, 75, 76, 79, 80, 101, 104, 176
Pilulina 15
 Pitstone quarry 263
Plagiostomella 50, **Pl. 24**
 planispiral (chamber arrangement) 16
Planispirinella 39
Planispirinoides 42
 planktic (habit) 14
 planktic Foraminifera 20, 76, 79, 99, 101, 107, 108, 109, 122, 127, 130, 169, 171, 174, 188, 210, 219, 225, 243, **Fig. 9.14** (*see also* Globigerinida)
 planktic:benthic (P:B) ratio 91, 114
Planoglobulina 67, 101, 110
Planogypsina 55
Planomalina 67, **Pl. 37, Fig. 9.13**
 Planomalinidae 67
Planorbulina 55, 291, **Pl. 27**
Planorbulinella 55
 Planorbulinidae 55, 79, 100
Planorotalites 69, 181, **Fig. 9.13**
Planularia 106
Planulina 55, 106, 198, 226, 241, 243, **Pls. 50, 53, 58, 61, 63, 64, 65, 70, Fig. 9.16**
Platsolenites 24, 120
 play fairway analysis or evaluation 126, 144, 160, 164, 181, **Fig. 2.1**
Plectinella 24

- Plectofrondicularia* 45, 198, 226, **Pls. 20, 50, 58**
Plectofrondiculariidae 45, 78, 82, 100
Plectotrochammina 26, **Pl. 9**
Pleurostomella 50, 243, **Pl. 23**
Pleurostomellidae 48, 78, 82, 100
Pliolepidina 64, **Pl. 35**
Plummerita 67
Po delta 91
Podolia 42
 Pointe-à-Pierre formation **Fig. 9.13**
 pollution 271
Polaskanella 64, **Pl. 36**
Polylepidina 64, **Pl. 35**
 polymerisation 22
Polymorphina 45, **Pl. 21**
 polymorphine (chamber arrangement) 16
Polymorphinidae 45, 100
Polymorphinidea 45
Polystomellina 57
Polytaxis 34
 polytopic vector analysis 91
Popovia 24
 porcelainous (wall structure) 16
Poroeponides 52
Portatrochammina **Fig. 7.2**
 Post-mortem transportation 96 (see also taphonomy)
 Potwar basin 186, 187
 Poza Rica trend 224
Praealveolina 42, 108, 181, **Pl. 19**
Praebulimina 45, 110
Praechrysalidina 249, **Pl. 47**
Praeglobobulimina 45, 106, **Pls. 22, 55, 69**
Praeglobotruncana 64, 266, **Pl. 37, Fig. 9.13**
Praegubkinella 64
Praekurnubia **Fig. 9.3**
Praemurica **Fig. 7.5**
Praeophthalmidium 39
Praeorbitolina **Pl. 42, Fig. 9.4**
Praeorbulina 68, **Pl. 53, Figs. 7.6, 9.13**
Praepeneroplis 39, **Pl. 17**
Praerhapydionina 39, 181, **Pl. 46**
Praerhapydioninidae 39
Praesphaerammina **Pl. 56**
 Principle of Uniformitarianism 96
 probabilistic correlation 134
 productivity 15
 Project Orwell 267
 project specification and management **Fig. 2.1**
 prospect evaluation **Fig. 2.1**
 proteinaceous Foraminifera 75, 77, 99, 127
 (see also Allogromiida)
Protobotellina 24
 protoplasm 13
 provenance (of materials used in the manufacture of
 pottery, mosaics and earthworks etc.) 277
 Prudhoe Bay field 256
Psammionopelta 39
Psammophonella 24
Psammospaera 23, **Pls. 1, 51, 52, Figs. 3.1, 9.11**
Pseudedomia 42
Pseudobolivina 30, **Pl. 10**
Pseudobulimina 50
Pseudochoffatella 108
Pseudoclavulina 26, 80
Pseudocyclammina 24, 108, **Pl. 47**
Pseudodoliolina 34, **Pl. 13**
Pseudoeponides 80
Pseudofabularia 42
Pseudofusulinella 34
Pseudogaudryina **Pl. 67, Fig. 9.16**
Pseudoglandulina 106
Pseudoglomospira 31
Pseudoguembelina 67, 101, 110, **Pl. 38**
Pseudohastigerina 69, **Figs. 7.5, 9.13**
Pseudohauerina 42
Pseudolituonella 30
Pseudomarssonella **Pl. 41, Fig. 9.3**
Pseudonodosaria 42
Pseudononion–Epistominella–Buliminella or PEB
 Index 89
Pseudophragmina 60, **Pl. 33**
 Pseudopodia 13, 14
Pseudopolymorphina 45, 281, 289, **Pl. 21**
Pseudorbitoides 60, **Pl. 32**
Pseudorbitoididae 60
Pseudorhipidionina 39, **Pl. 17**
Pseudorotalia 57, 85, **Pl. 29**
Pseudoschwagerina 34
Pseudosiderolites 60, **Pl. 29**
Pseudostaffella 34
Pseudotextularia 67
Pseudotextulariella 26, **Fig. 9.5**
Pseudotrochammina 243
Pseudouvigerina 48
Ptychomiliola 42
Pullenia 57, 243, **Pls. 28, 55, 70**
Pulleniatina 68, 80
Pulsiphonina 55
 Purfleet Interglacial 285
Pyramidina 45, 110
 Pyrenees, Spanish 105, 194, 250
Pyrgo 42, 87, 243, 281, 287, 288, 289, **Pls. 18, 67**
Pyrgoella 42, **Pl. 67**
Pyrulina 45, **Pl. 21**
Pyrulinoides 45, **Pl. 21**
Quasiendothyra 31
 Quaternary **Figs. 7.6, 9.14**
 Querecual formation 218, **Fig. 9.13**
Quinqueloculina 42, 80, 87, 281, 288, 289, **Pls. 18, 67,**
 Fig. 9.16
 Quiriquire field 218
 ‘r’ strategy, selection 14
Racemiguembelina 101, 110, **Figs. 7.3, 7.5**
 radial (wall structure) 16

- Radiocycloclypeus* 60
 radio-carbon dating 278
 Raghavapuram formation 187
Ramulina 45, **Pl. 21**
 Rance barrage 271
Ranikothalia 60
 ranking and scaling (RASC) 137
Rauserella 34, **Pl. 13**
 Ravva formation 153, 192
 Rayda/Salil basin, source-rock **Fig. 9.7**
 recovery interval 120
Rectobolivina 48, **Pl. 23**
Rectobulimina 45
Rectocibicides 55, **Pl. 27**
Rectoepionides 52
Rectuvigerina 48, 106, 225, 226, **Pls. 57, 58, 60, 61, 65, 66**
Recurvoidella 24
Recurvoides 24, 106, 196, 243, **Pls. 51, 52, Figs. 7.2, 9.11**
Redmondoides **Pl. 41, Fig. 9.3**
 reefs, peri-reefal sub-environments (back-reef, reef, fore-reef) 76, 85, 98, 104, 143, 174, 248, 253
 Reforma trend 224
Reinholdella 50, **Pl. 24**
 remediation 271
Remesella 30
Reophax 24, 80, 106, 243, **Pls. 4, 51, 52, Figs. 3.1, 7.2, 9.11**
 reproduction 15, 105
 reservoir characterisation 126, 245, 246, 248, 250, **Fig. 2.1**
 reservoir exploitation 7, 126, 162, 244, 245, 246
 reservoir modelling or simulation 126, **Fig. 2.1**
 reservoir-rocks, quality, stratigraphic controls on development of 143, 146, 154, 167, 176, 181, 187, 193, 194, 207, 209, 214, 218, 223, 224, 244, **Fig. 9.2**
 resolution 131
Reticulophragmium 24, 243, **Pl. 49, Fig. 7.2**
 (see also *Cyclammina*)
Reticulophragmoides 24, 198
Reussella 48, 196, **Pls. 22, 69**
 reworking 86, 125, 146
Rhabdammina 24, **Pls. 2, 51, 52, 54, Fig. 9.11**
Rhabdammina faunas: see Deep-Water Agglutinating Foraminifera (DWAFs)
Rhabdorbitoides 60
Rhapydionina 42
 Rhapydioninidae 42, **Fig. 9.5**
Rhipidionina: see *Rhapydionina*
Rhizammina 24, 106, **Pl. 2**
Rimulina 45, **Pl. 20**
Riveroina 42
Riyadhella **Pl. 41, Fig. 9.3**
Riyadhoides **Pl. 41, Fig. 9.3**
Robertina 50, **Pl. 24**
Robertinida 22, 50, 78, 98, 100, 121, 127, **Figs. 4.1, 6.1**
 Robertinidae 50
 Robertinidea 50
Robertinoides 50, **Pl. 24**
Robulus 42
 rock accumulation rate 137, 157, **Fig. 9.1**
 Rockall Bank 104
 Roman (archaeology) 278
Rosalina 52, 281, 286, 290, **Pls. 25, 70**
 Rose Bengal 14
Rotalia 57, 249, **Pls. 29, 43**
 Rotaliata 22
Rotaliatina 198, **Pl. 50**
Rotaliella 281
 Rotaliida 50, 76, 78, 98, 100, 176, **Figs. 4.1, 6.1**
 Rotaliidae 57, **Fig. 9.5**
 Rotaliidea 57
Rotalinoides 85
Rotalipora 67, 266, **Pl. 37, Figs. 7.3, 9.13**
 Rotaliporidae 67
Rugoglobigerina 67, 101, 110
Rugotruncana 67
 Runton member 283
Rupertina 57, **Pl. 27**
Rutherfordia 89
 Rzehakinidae 107
 Saalian Equivalent 285
Sabellovoluta 24
Saccammina 23, 106, **Pls. 1, 51, 52, Figs. 3.1, 9.11**
 Saccamminidae 23
Saccodendron **Fig. 3.1**
Saccorhiza 24, **Pl. 2**
Sagoplecta 45, **Pl. 21**
Sagrinella **Pl. 69**
 Saidova 6, 21
 Sajaa field 11, 253
Sakesaria 57, **Pl. 43**
 salinity 74
 salt marshes and mangrove swamps, environments 80, 102
 sample acquisition and processing **Fig. 2.1**
 San Antonio formation **Fig. 9.13**
 San Fernando formation **Fig. 9.13**
 San Juan formation **Fig. 9.13**
Sanderella **Fig. 9.3**
Saracenaria 42, **Pls. 20, 68**
Saracena 42
 Sarawak 6
 Sargelu basin, source-rock **Fig. 9.6**
Satorina 107
 Saudi Arabia 248, 253, **Fig. 9.3**
Schackoina 67, **Pl. 37**
 Schackoinidae 67
Scherochorella **Fig. 7.2**
Schlumbergeria 60

- Schlumbergerina* 42
Schwagerina 34, **Pl. 13**
 Schwagerinidae 34
 Scotland group 220
Scutuloris 42
 sea-level 142
 seals: *see* cap-rocks
 sediment accumulation rate: *see* rock accumulation rate
 sedimentary bodies 143
 sedimentary environment, substrate 19, 74, 103, 174, 203, 214, 221, 243
 seismic, data, facies, reflection patterns and terminations, stratigraphy 113, 140, 143 **Fig. 8.1**
 seismic hazard assessment 268
 Selsey 286
Semitextularia 34, **Pl. 12**
 Semitextulariidae 34
Septabrunsiina 31
Septatournayella 31
 sequences 140
 sequence boundaries 140, 141, 144, 180, 193, 205, 214, 222, 244
 sequence stratigraphy 113, 125, 137, 140, 143, 144, 164, 180, 192, 205, 214, 221, 243, **Figs. 8.1, 9.2, 9.10** (*see also* carbonate, clastic and mixed sequence stratigraphy)
 Serrania del Interior 218
 shale gas 255
 shallow marine environments 81, 102 (*see also* neritic environments, reefs)
 shallowing- or shoaling-upward (bathymetric trends) 146, 181, 193, 207, 214, 223, 244
 Shaybah field 248
 SHE analysis for Biozone Identification (SHEBI) 137
 Shilaif basin, source-rock 166, **Fig. 9.8**
 Shu'aiba formation 248, 253
Siderolites 60
 Sidestrاند member 281, 283
Sigmoidella 45, **Pl. 21**
Sigmoilina 42, 196, **Pls. 18, 67**
Sigmoilopsis 42, 243, **Pls. 18, 67**
Sigmomorphina 45, **Pl. 21**
Silicoloculina 22
Silicosigmoilina 247, **Fig. 9.14**
 similarity indices 91, 114
Simplalveolina 42
Simplorbites 60
Simplorbitolina 108
Sinuloculina 42
Siphogenerina 48, 106, **Pl. 69**
Siphogenerinoides 48, 98, **Pl. 23**
Siphoglandulina 45
Siphonides 55, **Pl. 26**
Siphonina 55, 106, 226, 241, 281, **Pls. 60, 64, 70**
Siphoninella 55
 Siphoninidae 55
Siphonodosaria 48, **Pl. 23**
Siphotextularia 243
Siphouvigerina 48, **Pl. 22, Fig. 9.16**
 Sistrakeel 287
 Sistrakeel formation 287
 site investigation 256, 265
 Siwalik (group) **Fig. 9.10**
 Sligo formation 224
 Slindon formation 290
 Slindon Sand member 284
 Slindon Silt member 284, 290
 slope environments: *see* bathyal environments
 Smackover formation 224
 smaller benthic Foraminifera 107, 108
 smaller Rotaliida 50, 121, 127
 Smith 124
 Snorre field 246
 Solent formation 284
 Somerset Levels 287
Sorites 39, 85, **Pl. 17**
 Soritidae 39
 Soritidea 39
Sorosphaera 23, **Fig. 9.11**
 source-rocks, palaeobiological controls on
 development of, palaeobiological de-risking of
 presence of 143, 149, 152, 153, 167, 181, 186, 193, 194, 207, 209, 214, 218, 223, 224, 244, **Figs. 9.2, 9.6, 9.7, 9.8, 9.9, 9.12**
 South Africa 209
 South Atlantic salt basins 128, 132, 160, 161
 South Caspian 143
 south-east Asia 146, 159
 Spain 262, 268
Sphaeroidina 48, 106, 243, **Pls. 23, 55, 69, Fig. 9.16**
Sphaeroidinella 68
Sphaeroidinellopsis 68
Spirillina 52
 Spirillinata 22
 Spirillinidae 52
 Spirillinidea 50
Spiralocornulus 107
Spirobolevina 48
Spirobuliminella 48
Spiroclypeus 60, **Pls. 31, 46**
Spirofrondicularia 45
Spirolina 39
Spiroloculina 42
Spirophthalmidium 39, **Pl. 16**
Spiroplectammina 24, 106, 198, **Pls. 5, 49**
Spiroplectella 24, **Pl. 5**
Spiroplectinata 26, **Pl. 7**
Spiroplectinella 24, 285, 287, **Pl. 5**
Spiropsammina 24
Spirosigmoilina 42
Spirosigmoilinella 106, **Pl. 49**
Sporadogenerina 45
 Sr isotope ratios 111
 Sri Lanka 187
 stable isotope (record, stratigraphy) 111
 stadial 111

- Staffella* 34, **Pl. 13**
Stainforthia 45, 80, 281, **Pl. 22**
 Start Bay 290
 Statfjord field 246
Steinekella **Fig. 9.3**
 stenobathyal 75
 stenohaline 75
 stenothermal 75
Stensioeina 55, 196, **Pl. 50**
 Steyne Wood member 284
Stilostomella 48, 89
 Strait of Juan de Fuca, Vancouver Island 268
 stratigraphic breaks 137
 stratigraphic discontinuities 113, 114
 stratigraphic ranges of Orders of Foraminifera **Fig. 6.1**
 stratigraphy to seismic (StS)TM 134
Streptalveolina 42
 streptospiral (chamber arrangement) 16
 strontium isotope stratigraphy 130
Subalveolina 42
 Subarctic–Arctic province **Fig. 4.2, 13.1**
Subbotina 68, **Fig. 7.5**
 sub-euphotic zone 80, 101
 submarine fans, submarine fan sub-environments
 (channels, levees, overbanks) 19, 20, 205, 243,
 250, 254, **Fig. 3.2**
 suboxia, suboxic environments 76, 88, 89, 98
 Suffolk 267, 283
Subreophax 24, **Pls. 51, 52, Fig. 9.11**
Suggrunda 89
 Sulaiman ranges 186, 187, 192
 Sulaib basin, source-rock **Fig. 9.7**
Sulcoperculina 60, **Pl. 31**
Sulcorbitoides 60
Sumatrana 34
 suprageneric classification 21
 Surma basin 186
 Surmeh formation 146
 suspension-feeding 14
 symbiosis 14
 systematics 21
 systems tracts 113, 141, 144, 146, 181,
 193, 207, 214, 223, 244 (*see also* high-stand, low-
 stand, shelf-margin and transgressive systems
 tracts)
 Tangmere 286
 taphonomy 105 (*see also* biases)
 Tappan: *see* Loeblich & Tappan
Tappanina 198
Tawitawia 24
 Taylor Chalk 224
 taxonomy 4, 119 (*see also* biases)
Technitella 23, **Pls. 51, 52, Fig. 9.11**
 tectonic evolution 125
 Temblador trend 218
 temperature 74
 Temperate Province **Figs. 4.2, 13.1**
 terminal (aperture) 16
 test 13
 Tethys, Tethyan realm 106, 107, 108, 110, 127,
 128, 129
 Tetrataxidae 34
 Tetrataxidea 34
Tetrataxis 34, **Pl. 12**
 Texas 256
Textularia 24, 80, 102, 272, **Pls. 5, 49, 56, 67,**
 Figs. 7.2, 9.16
 Textulariana 22
Textulariella 26, **Pl. 67, Fig. 9.16**
 Textulariidae 24, **Fig. 3.1**
 Thamama group 245, 248, 253
 Thames barrier 266
 Thatcher Stone member 287
 thermoluminescence (TL) 278
 Thistle field 246
Tholosina 23
Thuramina 23, **Pl. 1, Fig. 9.11**
Ticinella 67, **Pl. 37, Fig. 7.3**
 time-scales 126, 137, **Figs. 7.3, 7.4, 7.5, 7.6**
 time-slices 164, 181, 246, 247, 251
 Timor 125
 Tinajitas formation **Fig. 9.13**
Tiptotrocha 26, 80, 102, **Pl. 6**
 Toco formation **Fig. 9.13**
Tolypamina 24, 243, **Pl. 3, Fig. 9.11**
 tops (of ranges) 125
 Tor formation 254
 Torbay formation 287
Toriyamaia 34, **Pl. 13**
Torreina 60
Tortonella 42
Tosaia 243
 Total ranges 125
Tournayella 31, **Pl. 12**
 Tournayellidae 31
 Toward member 289
 transfer functions 114
 transition metal concentrations 112
Transversigerina 106
 traps 158, 168, 195, 209, 219, 224
 triangular plots: *see* cross-plots
Trichohyalus 281, 288
Trifarina 48, 83, 87, 272, 281, 284, 286, 288, 289,
 291, **Pl. 22**
Triloculina 42, 271, 281, 289, **Pls. 18, 67**
 Trinidad 113, 114, 142, 218, 247, 256, 271, 272,
 Fig. 9.13
Trinitella 67
Triplasia 24, **Pl. 4**
 triserial (chamber arrangement) 16
Tristix 42
Tritaxia 26, 196, **Pls. 7, 48**
Tritaxis 26, **Pl. 6**
Tritaxilina 30
Triticites 34, **Pl. 13**
Trochammina 26, 80, 102, 103, 106, 221, 247, 292,
 Pls. 6, 49, Figs. 3.1, 9.14

- Trochamminidae 24, 78, 100, 107
Trochamminita 80
Trochamminoides 24, **Pl. 4**
Trochamminopsis **Pls. 51, 52, Fig. 9.11**
Trocholina 196, **Pl. 41, Fig. 9.3**
 trochospiral (chamber arrangement) 16
 Trocholinidae **Fig. 9.5**
 Trumley Copse 284
Truncorotalia 69, **Fig. 7.6**
Truncorotaloides 69, **Figs. 9.10, 9.13**
Tubulogenerina 48
 Tunisia 155, 156
 turbid water Foraminifera 146
 turbiditic environments, sediments, turbidites 20, 105,
 157, 243, 250, **Figs. 3.2, 9.1**
Turborotalia 68, **Figs. 7.5, 9.13**
 Turkey 256, 267
Turrilina 48, **Pl. 22**
 Turrilinae 45, 78, 100
Turrispirillina 52
Turritella 24, **Pls. 3, 51, 52, Fig. 9.11**
 Tyre, Phoenicia (Bronze Age to Byzantine) 278
- umbilical (aperture) 16
 unconformities 140
 unconventional petroleum geology 255
 unilocular 16
 uniserial (chamber arrangement) 16
 United Arab Emirates 253
 United Kingdom, United Kingdom (UK) sector
 (North Sea) 246, 250, 254, 263, 264, 265,
 266, 267 (*see also* British Isles, Great Britain,
 North Sea)
 United States Geological Survey 224
 uplift 125
 upwelling 87, 109, 110, 218
 uranium-series dating 278
Usbekistania 24, **Pls. 51, 52, 54, Fig. 9.11**
Uvigerina 48, 87, 106, 146, 198, 226, 243,
Pls. 22, 50, 53, 58, 62, 65, 66, 69,
Figs. 9.14, 9.16
Uvigerinella 48, **Pl. 22**
 Uvigerinidae 48
- Vadaparru formation 187
Vaginulina 42
Vaginulinopsis 42, **Pls. 20, 68, Fig. 9.16**
Valdanchella 108
 Valdoe 284, 290
 Valhall field 253
Valserina 108
Valvulammina 26
Valvulina 26, **Pls. 8, 56**
Valvulinella 34
Valvulineria 52, 243, **Pls. 25, 70**
 Valvulinidae 26
Vandenbroeckia 39
Varidentella 42
- Vaughanina* 60, **Pl. 32**
Veleroninoides 24, 106, 243, **Pls. 51, 52, 56,**
Figs. 3.1, 9.11
 Venezuela 218, 246, **Fig. 9.13**
Ventilabrella 67, **Pl. 38**
Verbeekina 34, **Pl. 13**
 Verbeekinae 34
Verneuilina 26, **Pl. 7**
 Verneulinidae 26, 78, 82, 99
Verneulinoides 26, 102, 196, **Pls. 48, 49**
Verneuilinella 26, **Pls. 51, 52, 67, Fig. 9.11**
Vidalina 37
 Vidono formation **Fig. 9.13**
 Vietnam 158
Virgulina **Fig. 9.3**
Virgulinella 45, **Pl. 22**
 visualisation technologies 112, 133
Vulvulina 24, **Pl. 5**
- wall structure 16
 Wallingford Castle 278
 Warm–Temperate province **Fig. 13.1**
 Washington 103
 water-masses 87, 109
 water quality 271
Webbina 39
Webbinella 45
Wedekindellina 34, **Pl. 13**
 well-log data 113
 well-site operations 7, 163, 251, 252, 257, **Fig. 2.1**
 West Melbury Marly Chalk formation 278
 West Runton 283
 West Sussex 284, 286, 290
 West Sussex Coast formation, group 284, 286,
 287, 290
 Wessex basin 194
 West Africa 158, 160, 210
 Western Interior Seaway 102
 Western Irish Sea formation 288
 Weybourne Crag 283
 Weybourne Hope 281
Wheelerella 50, **Pl. 23**
Whiteinella 181, 266, **Fig. 7.3**
 Wiltshire 264
Wondersella 64, 181
 Woodbine formation 224
 Woolpit 285
 Woolpit beds 285
 work-flow **Fig. 2.1**
 work-station 113
 Wyth Farm field 256
- Yabeina* 34, **Pl. 14**
Yangchienia 34
 Yibal field 248
 Yorkshire 288
- Zagros Mountains 146, 166, 167