

TAXONOMIC INDEX

Algal genera and higher taxa are in CAPITALS, recognized species and infraspecific taxa in roman type, and synonyms in *italic* type. Page numbers are in **bold** type where a genus, subgeneric taxon or other taxonomic category is described, in *italic* type where illustrated and in roman type where simply mentioned.

- ACANTHOCERAS 350
 ACANTHOCOCCUS 369, 419
Acanthococcus aciculiferus 412, 419
Acanthococcus asper 498
Acanthococcus reticularis 498
Acanthoica schilleri 280
 ACHNANTHES 349, 351
Achnanthes bijuga 421
Achnanthes dimorpha 421
Achnanthes obliquus 421
 ACHNANTHIDIUM 351
Achnanthidium minutissimum 149
Acrocladium cuspidatum Pl. 5A
 ACHROMATIUM 4
 ACROCHAETIALES 160
 ACTINASTRUM 372, 475
Actinastrum hantzschii 423, 475
Actinastrum hantzschii var. *fluviatile* 475
Actinastrum hantzschii var. *subtile* 475
 ACTINELLA 350
 ACTINOCHLORIS 370, 411
Actinochloris sphaerica 411
Actinochloris terrestris 411, 412
 ACTINOCYCLUS 350
 ACTINOTAENIUM 365, 634, 636, 638
Actinotaenium adelochondrum 637
Actinotaenium capax var. *minus* 637
Actinotaenium clevei 637
Actinotaenium clevei var. *crassum* 637
Actinotaenium colpopelta 626, 636
Actinotaenium crassiusculum 637
Actinotaenium cruciferum 637
Actinotaenium cucurbita 624, 636
Actinotaenium cucurbitinum 624, 636
Actinotaenium curtum 624, 636, 637
Actinotaenium diplosporum 636, 637, 736
Actinotaenium diplosporum fo. *maius* 626, 637
Actinotaenium didymocarpum 637
Actinotaenium gelidum 637
Actinotaenium habeebense 637
Actinotaenium inconspicuum 637
Actinotaenium lagenarioides 637
Actinotaenium minutissimum 637
Actinotaenium minutissimum var. *suboctangulare* 637
Actinotaenium mooreanum 637
Actinotaenium obtusum 637
Actinotaenium perminutum 638
Actinotaenium phymatosporum 638
Actinotaenium rufescens 626, 636, 637
Actinotaenium silvae-nigrae 637
Actinotaenium spinospermum 637
Actinotaenium subglobosum 637
Actinotaenium subpalangula 637
Actinotaenium subtile 637
Actinotaenium truncatum 637
Actinotaenium turgidum 626, 636, 637
Actinotaenium viride 636
Actinotaenium wollei 637
 ACUTODESMUS 373, 419, 420, 422, 468, 469
Acutodesmus acuminatus 419, 420, 423, 468
Acutodesmus acutiformis 419, 421, 444
Acutodesmus acutiformis var. *costatus* 421
Acutodesmus dimorphus 419, 420, 421, 422, 444, 468
Acutodesmus incrassatus 468
Acutodesmus obliquus 419, 420, 421, 444, 468
Acutodesmus pectinatus 419, 420, 421, 444, 458, 468
Acutodesmus pectinatus var. *bernardii* 419, 422, 444
Acutodesmus raciborski 419, 422, 423
Acutodesmus wisconsinensis 419, 422, 423
 ADLAFIA 352, 353
 AEGAGROPILA 557, 560
Aegagropia linnaei 534, 560, 568
 Aesculus 399
 Agloe 305, 307, 309, 382
 AGMENELLUM 35
 alder 282
 Alnus glutinosa 282
 AMMATOIDEA 80, 81, 84
Ammatoidea normannii 80, 81, 85
 Amoebae 4
 AMPHICAMPA 351
 AMPHICHRYISIS 281, 282
Amphichrysis compressa 282, 284
 AMPHIDINIUM 251, 252, 259
Amphidinium aeschrum 260
 'Amphidinium'
 amphidinioides' 254, 259, 260
Amphidinium elenkinii 259
Amphidinium geitleri 260
Amphidinium gyrinum 259
Amphidium lacustre 259
Amphidinium larvale 259
Amphidinium tenagodes 259
 AMPHIKRIKOS 379, 475
Amphikrikos minutissimus 449, 475
Amphikrikos nanus 449, 475
 AMPHIPLEURA 350, 351
 AMPHIPRORA 351
 AMPHITHRIX 81
Amphithrix violacea 81
Amphitropis aequiciliata 403
 AMPHORA 351, 353
 ANABAENA 31, 32, 38, 39, 80, 106, 108, 119, 125, 130, 149, 379
Anabaena aequalis 120, 121
Anabaena affinis 120
Anabaena aphanizomenoides 149
Anabaena augstumalis 120
Anabaena augstumalis var. *incrassata* 120, 121
Anabaena augstumalis var. *marchica* 120, 121
Anabaena catenula 119, 120, 121, 124
Anabaena crassa Pi. 7D, 119, 122
Anabaena catenula var. *affinis* 120, 123
Anabaena catenula var. *intermedia* 120
Anabaena catenula var. *solitaria* 120
Anabaena circinalis Pl. 7D, 119, 120, 122, 123
Anabaena circinalis var. *macrospora* 120, 121
Anabaena compacta 119, 122
Anabaena confervoides 119, 122
Anabaena cylindrica 119, 120, 121, 122, 124
Anabaena delicatula 120, 122
Anabaena ellipsoidea 120
Anabaena elliptica 119, 122, 123
Anabaena flos-aquae 119, 120, 122
Anabaena flos-aquae var. *gracile* 126
Anabaena inaequalis 120, 122, 123
Anabaena lemmermanni 119, 122, 123
Anabaena macrospora 119, 121, 124
Anabaena mendotae 119, 124
Anabaena nygaardhi 119
Anabaena orthogona 124
Anabaena oscillarioides 119, 123, 124

- Anabaena planctonica* 119, 123, **124**
Anabaena reniformis 148
Anabaena sphaerica 119, **124**
Anabaena solitaria 120, 124
Anabaena spiroides 119, **124**
Anabaena spiroides var. *crassa* 123, **124**
Anabaena subcylindrica 121, 122, 124
Anabaena torulosa 119, 121, **124**
Anabaena variabilis 119, 121, **125**
Anabaena verrucosa **125**
Anabaena viguieri 119, 120, 123, **150**
 ANABAENOPSIS 118, **125**
Anabaenopsis elenkinii 123, **125**
Anacanthoica ornata 280
 ANACYSTIS 35
 ANEUMASTUS 351, 353
 ANISONEMA 182, **234**
Anisonema acinus **234**
Anisonema decoloratum 229
Anisonema hexagonum 238
Anisonema sulcatum 236
 ANKISTRODESMUS 374, **422**, 452, 456
Ankistrodesmus acicularis 458
Ankistrodesmus angustus 458
Ankistrodesmus arcuatus 458
Ankistrodesmus bibraianus 460
Ankistrodesmus biplexus 424
Ankistrodesmus braunii 429
Ankistrodesmus braunii var. *pusilla* 460
Ankistrodesmus closterioides 466
Ankistrodesmus contortus 458
Ankistrodesmus convolutus 458
Ankistrodesmus cucumiformis 424
Ankistrodesmus curvulus 458
Ankistrodesmus densus **422**, 423, 424
Ankistrodesmus falcatus 422, **423**, **424**
Ankistrodesmus falcatus var. *acicularis* 424, 458
Ankistrodesmus falcatus var. *duplex* 458
Ankistrodesmus falcatus var. *mirabilis* 460
Ankistrodesmus falcatus var. *spirale* 458
Ankistrodesmus falcatus var. *spirilliformis* 458
Ankistrodesmus falcatus var. *tumidus* 478
Ankistrodesmus fasciculatus 422, **423**, **424**
Ankistrodesmus fusiformis 422, **423**, **424**
Ankistrodesmus genevensis 431
Ankistrodesmus gracilis 470
Ankistrodesmus longissimus 478
Ankistrodesmus lunulatus 460
Ankistrodesmus minutissimus 460
Ankistrodesmus mirabilis 460
Ankistrodesmus nannoselene 424
Ankistrodesmus obtusus 460
Ankistrodesmus pfitzeri 466
Ankistrodesmus pseudobraunii 461
Ankistrodesmus pseudomirabilis 458
Ankistrodesmus pseudomirabilis var. *spiralis* 457
Ankistrodesmus rotundus 455
Ankistrodesmus sabrinensis 458
Ankistrodesmus selenastrum 424
Ankistrodesmus setigerus 470, **485**
Ankistrodesmus spiralis 422, **423**, **424**
Ankistrodesmus spiralis var. *fasciculatus* 422
Ankistrodesmus spirotaenia 538
Ankistrodesmus stipitatus 424
Ankistrodesmus subcapitatus 455
Ankistrodesmus tortilis 461
 ANKYRA 369, **425**
Ankyra ancora **425**, 457
Ankyra judayi **425**, 457
 ANOMOENSIS 351
 APATOCOCCUS 367, 500, **525**, 529, 530
Apatococcus lobatus **525**, 558
Apatococcus vulgaris 525
 APHANIZOMENON 119, **125**, 126, 149
Aphanizomenon aphanizomenoides 119, 125, 126, 148, 149
Aphanizomenon bergei 126
Aphanizomenon flexuosa 126
Aphanizomenon flos-aquae Pl. 8A, 125, **126**, 133
Aphanizomenon flos-aquae fo. *gracile* 126
Aphanizomenon flos-aquae var. *klebahnii* 126
Aphanizomenon gracile 122, 125, 126, 133
Aphanizomenon issatschenkoi 119, 125, 126, 130
Aphanizomenon klebahnii 126
Aphanizomenon minderi 126
Aphanizomenon ovalisporum **126**
 APHANOCAPSA 21, 39, **40**, 44, 81
Aphanocapsa conferta 41
Aphanocapsa delicatissima 43
Aphanocapsa elachista **41**, **42**, 43
Aphanocapsa elachista var. *conferta* 41
Aphanocapsa elachista var. *planctonica* 41
Aphanocapsa endolithica 44
Aphanocapsa endolithica var. *rivulorum* 44
Aphanocapsa flava 43
Aphanocapsa fusco-lutea **41**
Aphanocapsa grevillei 40, **41**, 42, 44
Aphanothece holsatica **41**, 73
Aphanocapsa incerta **41**, 43, 73
Aphanocapsa litoralis 40, **42**, **43**
Aphanocapsa marina 40, **43**
Aphanocapsa minuta **43**
Aphanocapsa muscicola 41, **43**, 113
Aphanocapsa orae 43
Aphanocapsa parietina 41, **43**
Aphanocapsa planctonica 41, **43**, 44
Aphanocapsa reinboldii **43**
Aphanocapsa rivularis 41, **44**
Aphanocapsa testacea 41, **43**, **44**
 APHANOCHAETE 7, 371, 372, **525**
Aphanochaete confervicola 526
Aphanochaete globosa 564
Aphanochaete globosa var. *depressa* 565
Aphanochaete magna **525**, 527
Aphanochaete pilosissima **525**, 526, 527
Aphanochaete polychaete 525, **526**, 527
Aphanochaete polytricha 566
Aphanochaete repens 525, **526**, 527
 APHANOTHECE **44**, 49, 109
Aphanothece bachmannii **44**
Aphanothece castagnei **44**, 46
Aphanothece clathrata **42**, **44**
Aphanothece clathrata var. *brevis* 44
Aphanothece conferta 45
Aphanothece elabens **44**, **45**
Aphanothece endophytica **44**, **45**
Aphanothece microscopica 42, 44, **45**, **46**
Aphanothece membranacea 63
Aphanothece minutissima **44**, **45**
Aphanothece mooreana **46**
Aphanothece nidulans 44, **45**
Aphanothece nidulans var. *endophytica* 45
Aphanothece pallida 44, **46**, 73
Aphanothece piscinalis 46
Aphanothece saxicola 44, **46**, 73
Aphanothece saxicola fo. *nidulans* 45
Aphanothece stagnina 42, 44, 45, **46**
Aphanothece subachroa 46
 APIOCYSTIS 374, 376, 379, 426
Apiocystis brauniana 376, 380
 APISTONEMA **282**
Apistonema pyrenigerum **282**, 307, 355, 357
 APODOCHLORIS 367, **411**, 426
Apodochloris dinobryonis **411**, 459
Apodochloris polymorpha 426
 APONA 175
Arthrodesmus bulnheimii 722
Arthrodesmus convergens 722
Arthrodesmus crassus 722
Arthrodesmus impar 733
Arthrodesmus incus 723
Arthrodesmus incus var. *extensus* 723
Arthrodesmus incus var. *indentatus* 724
Arthrodesmus incus var. *sellatus* 724
Arthrodesmus incus var. *subtriangularis* 726
Arthrodesmus incus var. *validus* 726
Arthrodesmus octocornis 733
Arthrodesmus phimus var. *hebridarum* 724
Arthrodesmus ralfsii 724
Arthrodesmus serratus 446
Arthrodesmus subulularis 726
Arthrodesmus triangularis 726
Arthrodesmus trispinatus 329
 ARTHROSPIRA **81**, 115
Arthrospira jenneri **81**
 ASCOGLENA 181, 183
 ash 573
 Asplenium 570
 ASTARTIELLA 352
Astasia comma 227, **228**, 229
Astasia curvata 227, **228**, 230
Astasia cylindrica 227, **228**, 230
Astasia dangeardii 227, **228**, **230**
Astasia fritschii 231
Astasia fustis 227, **228**, 230
Astasia gomphonema 227, **228**, 230
Astasia granulata 227, **228**, 230
Astasia hallii 231
Astasia harrisii 182, **228**, 230
Astasia klebsii 182, 227, **228**, 229, 230
Astasia longa 227, **228**, 230
Astasia pertyi 231
Astasia proteus 231
Astasia quartana 232
Astasia solea 232
Astasia torta 227, **230**
 ASTERICIUM 472
Astericum caudatum 473
 ASTERIONELLA 350, 377
Asterionella formosa 210, 297
 ASTEROCOCCUS 375, 376

834 TAXONOMIC INDEX

- Asterococcus korschikoffii* 376
Asterococcus limneticus 376, 380
Asterococcus siderogloeus 379
Asterococcus superbus 376, 380, 450
Asterococcus terrestris 411
ASTEROCYTIS 163
Asterocytis ramosa 163
Asterocytis smargadina 163
Atractonema tortuosa 233
ATTHEYA 350
AUDOUINELLA 159, 160, 161, **165**, 357
Audouinella boweri 167
Audouinella chalybea 167
Audouinella compacta 167
Audouinella hermannii 160, 164, 166, **167**
Audouinella leibleinii 167
Audouinella pygmaea 166, **167**
Audouinella violacea 167
AULACOCHELAMYS 361
AULACOMONAS 399
Aulacomonas submarina 388, **399**
AULACOSEIRA 350
Azolla 14, 553
Azolla filiculoides 38
- BACILLARIA** 351
BACILLARIOPHYTA 29, **348**
BALBIANIA 159, 161, **167**
Balbiania investiens 160, 166, **167**, 168,
BALBIANIALES 167
bamboo 570
BAMBUSINA 159, 366, 616, **734**
Bambusina borrieri **734**, 735
Bambusina brebissonii 734
BANGIA 159, 161, **165**
Bangia atropurpurea Pl. 2C, 160, 164, **165**
Bangia calophylla 547
BANGIALES 160, **165**
BANGIELLA 165
BANGIOPHYCEAE 165
BASICHLAMYS 368, **381**, 399
Basichlamys sacculifera **381**, 404
BATRACHOSPERMACEAE 161
BATRACHOSPERMALES 160, 161, **167**, 171,
BATRACHOSPERMELLA 167
BATRACHOSPERMUM 159, 161, **167**, 168, 169, 171, 528
Batrachospermum alpestre 174
Batrachospermum arcuatum 168, 169, **171**
Batrachospermum atrum 161, 169, **171**, **175**
Batrachospermum bombusinum 175
Batrachospermum boryanum 169, 170, **171**
- Batrachospermum*
bruzeiense 174
Batrachospermum confusum 170, 171, **174**
Batrachospermum corbula 174
Batrachospermum crouanianum 174
Batrachospermum decaisneanum 174
Batrachospermum densum 174
Batrachospermum distensum 174
Batrachospermum ectacarpoideum 171
Batrachospermum fruticulosum 174
Batrachospermum gallaei 171
Batrachospermum gelatinosum 171, 172, **174**
Batrachospermum gelatinosum fo. spermatoinvolucrum 171, 172, **174**
Batrachospermum glomerata 530
Batrachospermum graibussoniense 174
Batrachospermum gulbenkianum 174
Batrachospermum helminthosum 161, 171, 172, 173, **174**
Batrachospermum involutum 161
Batrachospermum keratophytum 174, 175
Batrachospermum ludibundum var. *confusum* 174
Batrachospermum ludibundum var. *pulcherrimum* 174
Batrachospermum ludibundum var. *stagnale* 174
Batrachospermum moniliforme 175
Batrachospermum moniliforme var. *chlorosum* 174
Batrachospermum moniliforme var. *rubescens* 174
Batrachospermum moniliforme var. *scopula* 174
Batrachospermum moniliforme var. *typicum* 174
Batrachospermum orthostichum 171
Batrachospermum proliferum 175
Batrachospermum pulcherimum 175
Batrachospermum pygmaeum 174
Batrachospermum pyramidale 174
- Batrachospermum radians* 174
Batrachospermum reginense 174
Batrachospermum rubrum 175
Batrachospermum sertularia 171
Batrachospermum setigerum 174
Batrachospermum sirodotii 174
Batrachospermum stagnale 175
Batrachospermum suevorum 174
Batrachospermum testale 174
Batrachospermum turfosum 173, **174**, 175
Batrachospermum vagum 174
Batrachospermum virgatum 174
Batrachospermum viride 174
beech 573
BERNARDINELLA 414
Bernardinella bipyramidatum 414
BIECHELERIA 251, **252**
Biecheleri pseudopalustris 252, 254
Binatella incus 723
BINUCLEARIA 371, **526**
Binuclearia tatrana 526
Binuclearia tectorum **526**, 561
BIPEDINOMONAS 361
Birch 574
BITRICHIA 306
Bitrichia chodatii **306**, 307
Bitrichia longispina **306**, 307
Bitrichia skujai 288
bladderwort 376
blanket weed 563
Blechnum 571
Blennothrix brebissonii 84
Blennothrix glutinosa 84
Blennothrix heterotricha 86
Blennothrix lyngbyacea 86
BLUE-GREEN ALGA(E) 1–9, 11, 12, 15, 17–19, 21, 22, 27, 28, 31–39, 43, 45–47, 59, 63, 67, 75, 76, 82, 84, 93, 95, 97, 105, 116, 118, 137, 149, 152, 372, 379, 411, 477, 560
Bodanella lacustris 355
BOHLINIA 483
BORGEA 418
BORGHIELLA 252, **260**
Borghielli tenuissima 259, **260**
Borzia endophytica 111
Borzinema rupicola 149
BOTRYDIALES 319
Botrydiopsisidae 318
BOTRYDIOPSIS 319, **321**
Botrydiopsis anglica 321
Botrydiopsis arrhiza **321**, 323
BOTRYDIUM 319, **319**
Botrydium granulatum 320
BOTRYOCOCCUS 6, 12, 29, 375, **499**
Botryococcus braunii Pl. 2I, 448, **499**, 500
Botryococcus calcareus 448, **499**
Botryococcus neglectus **499**, 500
Botryococcus protuberans 448, 499, **500**
Botryococcus sudeticus 410
Botryococcus terribilis 500
BOTRYOSPHAERA 411
Botryosphaera sudetica 410, 428
BOTRYOSPHAERELLA 375, **411**
Botryosphaerella sudetica **411**, 448
BRACHIOMONAS 368, **382**, 395, 399, 403
Brachiomonas simplex **382**, 396
Brachiomonas submarina **382**, 396
Brachiomonas westiana 382
Brachionococcus chlorelloides 481
BRACHYSIRA 351, 353
BRACHYTRICHIA 152
Brachytrichia balani 153
Brachytrichia quoyi 150, 152, **153**
BRACTEACOCCLUS 367, **425**
Bracteacoccus anomalus 412, **425**
Bramble(s) 571
BREBISSONIA 351
Brochidium parvulum 330
BROWN ALGAE 2, 29, 354
Bryophyte 5, 384
BULBOCHAETE 372, **500**, 501, 505
Bulbochaete angulosa **501**, **503**
Bulbochaete borealis **501**, 502, 503
Bulbochaete brebissonii 501, **502**,
Bulbochaete crassiuscula 504
Bulbochaete elatior 501, **502**, 503
Bulbochaete ellipsospora 504
Bulbochaete gigantea 501, **502**, 503
Bulbochaete imperialis 503
Bulbochaete imperialis var. *regalis* 501, **502**
Bulbochaete insignis 501, **502**
Bulbochaete intermedia **502**
Bulbochaete intermedia var. *depressa* **502**
Bulbochaete minor 501, **502**, 503
Bulbochaete mirabilis 501, **502**, 503, 504
Bulbochaete mirabilis var. *gracilis* 501, **504**
Bulbochaete nana 501, 503, **504**
Bulbochaete nordstedtii 502
Bulbochaete obliqua 501, 502, 503, **504**

- Bulbochaete polyandria 502, 504
 Bulbochaete pygmaea 501, 503, **504**
 Bulbochaete quadrata 501, **504**
 Bulbochaete rectangularis 501, 503, **504**
Bulbochaete regalis 502
 Bulbochaete repanda 501, 503, **504**
 Bulbochaete sessilis 501, 503, **504**
 Bulbochaete setigera 501, **503, 504**
 Bulbochaete subintermedia 502
 Bulbochaete tenuis 504
 Bulbochaete varians 502
 Bulbochaete varians var. subsimplex 502
Bulbocoleon endophytica 532
 BUMILLERIA 319, **333, 334**
Bumilleria exilis 334
Bumilleria pumila 329
Bumilleria sicula **333, 335**
 BUMILLERIOPSIS **321, 329**
Bumilleriopsis brevis 322, **325**
Bumilleriopsis petersiana **321, 322**
Bursaria hirundinella 262
Byssus aureus 573
Byssus jolithus 573
- CAESPITELLA 547
Callitriche aquatica 525
 CALONEIS 351
 CALOTHRIX 32, 34, 38, 78–80, 83, 119, **126, 128, 134, 136, 142, 143**
Calothrix aeruginea **128, 129**
Calothrix aeruginosa 128
Calothrix balearica 83
Calothrix braunii **128**
Calothrix caespitosa 83
Calothrix confervicola **128, 129**
Calothrix contarenii **128**
Calothrix cottonii 128
Calothrix crustacea **128**
Calothrix epiphytica 127, **129**
Calothrix fasciculata 128
Calothrix fusca 127, **129**
Calothrix juliana 83
Calothrix litoralis 128
Calothrix lutescens 91
Calothrix meneghiniana 134
Calothrix parasitica 128, **129, 151**
Calothrix parasitica 129
Calothrix parietina 127, **129, 136, 151**
Calothrix pulvinata 127
Calothrix rubra 83
Calothrix scopulorum 105, 128, **129, 151**
Calothrix stagnalis 127, **129**
Calothrix vignuieri **129**
Calothrix vivipara 128
Calothrix westiana 134
- CALYPTROBACTRON 414
 CAMPYLODISCUS 351
Campylodiscus reflexa 246
 CAMPYLOMONAS 240, 241, 242, 245
 CARDIOMONAS 360
Cardiomonas caeca 360
 Carex 623
 Carpet blanketweed 560
 CARTERIA 368, **382**
Carteria acidicola **383, 404**
Carteria arenicola **383, 404**
Carteria cordiformis 362
Carteria dubia 361
Carteri fornicata 382, **383, 388**
Carteria incisa 384
Carteria iyengarii 382, **383, 388**
Carteria globosa 382, **383, 404**
Carteria globulosa 382, **383, 388**
Carteria klebsii 382, **383, 404**
Carteria micronucleolata **383, 404**
Carteria multifilis **383, 404**
Carteria obtusa 382, **383, 404**
Carteria oliveri 384
Carteria ovata 382, **384, 404**
Carteri pascheri 382, **383, 388**
Carteria peterhofiensis **383, 404**
Carteria radiosa 382, **384, 404**
Carteria regularis 384
Carteria stellifera 384
 CARTERIOPSIS 382
 CATENA 371, **526**
Catena viridis **526, 561**
 CAVINULA 351
 CECIDOCHLORIS 374, **376**
Cecidochloris adnata 377, 380
Cecidochloris sessilis 377
Cecidochloris stichogloea 377
 CELLONIELLA 310
 CENTRIC DIATOMS 346, 350, 353
 CENTRITRACTUS 319, **321**
Centritractus belonophorus **321, 323**
 CENTRONELLA 350
 CEPHALEUROS 371, 570
Cephaleuros endophyticus 568, **570**
Cerasteria pleuronectes 212
 CERATIUM 250, 251, **261**
Ceratium carolinianum 260, **261, 263**
Ceratium cornutum **261, 263**
Ceratium curvirostre 261
Ceratium furcoides 261, **262, 263**
Ceratium hirundinella 261, **262, 263**
Ceratium hirundinella var. *furcoides* 262
Ceratium hirundinella var. *gracile* 262
Ceratium hirundinella typus *scotticum* 262
Ceratium tetraceros 262
 CERATONEIS 349, 350
 CERATOPHYLLUM 477
- Cercaria viridis* 197
 Ceterach 571
 CHAETOCEROS 350
 CHAETOMORPHA 371, **560**
Chaetomorpha aerea 560, 563
Chaetomorpha linum **560, 562**
Chaetomorpha sutoria 560, 563
 CHAETONELLA 563
Chaetonella goetzei 535, **563**
 CHAETONEMA 372, **526**
Chaetonema irregulare 527, **528**
 CHAETOPELTIS 371, **377**
Chaetopeltis megalocystis 377
Chaetopeltis orbicularis 377, 380, 567
 CHAETOPHORA 7, 109, 371, **528**
Chaetophora cornu-danae 528
Chaetophora elegans **528, 536**
Chaetophora endiviaefolia 528
Chaetophora incrassata 357, **528, 536**
Chaetophora pisiformis **528, 536**
Chaetophora tuberculosa **528, 549,**
524, 525, 530, 534, 543, 546, 554, 566
 CHAETOSPHAERIDIUM 367, **564**
Chaetosphaeridium globosum 552, **564**
Chaetosphaeridium globosum var. *depressum* 552, **565**
Chaetosphaeridium pringsheimii 552, **565**
Chaetothypbla armata 217
 CHAMAECALYX 46, **58**
Chamaecalyx leibleiniae 46, 73
 CHAMAEPINNULARIA 352
 CHAMAESIPHON 19, 39, **46, 49, 50, 76, 81, 357**
Chamaesiphon britannicus 47, 48, 50
Chamaesiphon confervicolus 47, 48, 49, 50
Chamaesiphon curvatus 47, 49
Chamaesiphon ferrugineus 49
Chamaesiphon fuscus 47, 48, **49, 50**
Chamaesiphon geitleri 47, 48, **49**
Chamaesiphon incrustans 47, 48, **49**
Chamaesiphon marinus 47
Chamaesiphon minutus 47, **49**
Chamaesiphon minutus var. *maior* 49
Chamaesiphon polonicus 47, 48, **49**
Chamaesiphon polymorphus 47, 48, **50**
Chamaesiphon pseudopolymorphus 47, 48, **50**
Chamaesiphon regularis 47, 50
- Chamaesiphon rostafinskii* 47, **50**
Chamaesiphonopsis regularis 47
 CHANTRANSIA 160, 161, 165, 167, 171, 175, 178
Chantransia compacta 167
Chantransia investiens 167
Chantransia pygmaea 167
 CHARA 23, 144, 365, 484, 525, 566, 653, 742, 743, **744, 754, 756**
Chara aculeolata 744, 747, **748, 753**
Chara aspera 744, 746, 747, **748, 751, 754, 755**
Chara aspera var. *subinermis* 748
Chara baltica 742, 747, 750, 755, 765
Chara braunii 744, 747, **756, 757**
Chara canescens 742, 747, **748, 753, 754, 765**
Chara capillaris 762
Chara connivens 742, 747, **748, 752, 754**
Chara contraria 745, 747, **748, 749, 754, 755, 763**
Chara contraria var. *hispidula* 754
Chara coronata 756
Chara curta 742, 746, 747, 748, 751, 754
Chara delicatula 748, 755
Chara denudata 744, 747, **754, 757**
Chara desmacantha 754
Chara flexilis 760
Chara foetida 755
Chara fragifera 747, **752**
Chara fragilis 754
Chara globularis 745, 747, 748, 751, 754, 755, 763
Chara glomerata 763
Chara gracilis 760
Chara hispida Pl. 2E, 6, 9, 744, 746, 747, 748, 750, **754, 755**
Chara hispida var. *major* 755
Chara hispida var. *rudis* 755
Chara hyalina 763
Chara intermedia 474, 747, 752, 755
Chara intricata 763
Chara major 744
Chara mucronata 760
Chara mucosa 742
Chara obtusa 763
Chara opaca 762
Chara papulosa 756
Chara pedunculata 747
Chara polyacantha 747
Chara prolifera 765
Chara socotrensis 747, 757
Chara rudis 745, 747, 750, 755
Chara socotrensis 744, **756, 757**
Chara syncarpa 762
Chara tenuissima 762
Chara tomentosa 747, 753, 755

836 TAXONOMIC INDEX

- Chara translucens* 762
Chara virgata 745, 747, 751, 754, 755
Chara virgata var. *annulata* 755
Chara vulgaris 745, 747, 748, 749, 755, 756
Chara vulgaris var. *denudata* 754
Chara vulgaris var. *longibracteata* 749, 756
Chara vulgaris var. *papillata* 749, 756
CHARACIOCHLORIS 366, 411, 412, 426
Characiochloris apiculata 413, 427
Characiochloris characioides 413, 427
Characiochloris sessilis 413, 427
CHARACIOPSIS 319, 321, 326, 334, 425
Characiopsis acuta 324, 325
Characiopsis avis 324, 325
Characiopsis curvata 324, 325
Characiopsis cylindrica 326
Characiopsis longipes 324, 325
Characiopsis minor 324, 325
Characiopsis minuta 324, 325
Characiopsis naegelii 324, 325
Characiopsis ovalis 347
Characiopsis pyriformis 324, 325, 326
Characiopsis saccata 324, 325, 326
Characiopsis subulata 324, 325, 326, 426
Characiopsis turgida 324, 325, 326
CHARACIUM 366, 367, 413, 425
Characium acutum 324
Characium ambiguum 324
Characium ancora 425
Characium angustum 426, 427
Characium apiculatum 426
Characium curvatum 324
Characium ensiforme 426
Characium falcatum 426
Characium gracilipes 456
Characium longipes 324
Characium michailovskense 456
Characium minutum 324
Characium naegeli 324, 426
Characium obtusum 465
Characium ornithocephalum 426
Characium ornithocephalum var. *harpochytriforme* 426, 427
Characium ornithocephalum var. *pringsheimii* 426, 427
Characium ovum 465
Characium pringsheimii 426
Characium pseudopyriforme 426, 427
Characium pyriforme 426
Characium setigerum 470
Characium sieboldii 426, 427
Characium subulatum 324, 328, 426
Characium tenue 324
Characium westianum 426, 427
CHARALES 3, 29, 365, 566, 742
CHAROPHYCEAE 358, 364, 363, 554
CHAROPHYTE(S) 1, 6, 14, 19, 22, 23, 363, 742, 743, 744, 754, 755, 760, 764
CHAROSPERMUM 169
cherry 573
CHILOMONAS 240, 241, 242, 244
Chilomonas curvata 384, 244
Chilomonas paramaecium/paramecium 243, 244, 249
CHLAMYDELLA 385
CHLAMYDOBOTRYS 405
Chlamydotryps gracilis
Chlamydotryps stellata 405
CHLAMYDOCAPSA 374, 377
Chlamydocapsa ampla 377, 380
Chlamydocapsa bacillus 377
Chlamydocapsa planctonica 377
CHLAMYDOCOCCUS 384, 399, 406
Chlamydococcus fluviatilis 406
CHLAMYDOMONADACEAE 377
CHAMYDOMONADALES 425
CHLAMYDOMONAS 368, 374, 381, 382, 384, 385, 392, 395, 397, 401, 407, 413, 528
Chlamydomonas acidophila 386, 387, 390
Chlamydomonas acuta 392
Chlamydomonas acutata 392
Chlamydomonas altera 392
Chlamydomonas angulosa 385, 386, 388
Chlamydomonas angustissima 392
Chlamydomonas annulata 392
Chlamydomonas anticontata 385, 386, 387
Chlamydomonas anticontata var. *perforata* 386
Chlamydomonas applanata var. *acidophila* 386
Chlamydomonas astigmata 389
Chlamydomonas asymmetrica 386, 388
Chlamydomonas bipapillata 392
Chlamydomonas botryopara 392
Chlamydomonas bourrelleyi 392
Chlamydomonas braunii 385, 386, 387, 390
Chlamydomonas britannica 385, 386, 388
Chlamydomonas calcicola 393
Chlamydomonas callosa 392
Chlamydomonas capitata 392
Chlamydomonas carpatica 392
Chlamydomonas characioides 413
Chlamydomonas cienkowskii 392
Chlamydomonas cingulata var. *seligeriensis* 392
Chlamydomonas clathrata 393
Chlamydomonas coccifera 393
Chlamydomonas communis 391
Chlamydomonas crassa 385, 386, 394
Chlamydomonas cribrum 392
Chlamydomonas debaryana 385, 386, 387
Chlamydomonas debaryana var. *atactogama* 389
Chlamydomonas debaryana var. *micropapillata* 389
Chlamydomonas depauperata 392
Chlamydomonas dinobryonis 387, 389
Chlamydomonas ehrenbergii 385, 387, 389
Chlamydomonas elegans 392
Chlamydomonas elliptica 385, 388, 389
Chlamydomonas elliptica var. *britannica* 389
Chlamydomonas excavata 385
Chlamydomonas flos-aquae var. *minor* 392
Chlamydomonas foveolarum 392
Chlamydomonas gallica 392
Chlamydomonas gigantea 392
Chlamydomonas globosa 385, 387, 389
Chlamydomonas gloeocystiformis 406
Chlamydomonas gloeogama 392
Chlamydomonas gloeopara 385, 387, 389
Chlamydomonas gloeophila 392
Chlamydomonas gordalensis 385, 388, 389
Chlamydomonas gracile 392
Chlamydomonas grovei 385, 394, 389
Chlamydomonas hebes 392
Chlamydomonas humiphilos 393
Chlamydomonas incerta 392
Chlamydomonas inflexa 392
Chlamydomonas insignis 392
Chlamydomonas intermedia 392
Chlamydomonas inversa 393
Chlamydomonas isogama 392
Chlamydomonas iyengarii 391
Chlamydomonas kasakii 394
Chlamydomonas kleinii 392
Chlamydomonas klinobasis 392
Chlamydomonas kniepii 392
Chlamydomonas komarekei 392
Chlamydomonas korschikoffii 392
Chlamydomonas kuwadae 392
Chlamydomonas latifrons 392
Chlamydomonas leiostraca 392
Chlamydomonas longistigma 392
Chlamydomonas lundii 386, 387, 389
Chlamydomonas macroplastida 392
Chlamydomonas macrostellata 386, 387, 389
Chlamydomonas maculata 392
Chlamydomonas media 392
Chlamydomonas metastigma 392
Chlamydomonas mexicana 392
Chlamydomonas micropapillata 392
Chlamydomonas microscopica 392
Chlamydomonas microsphaera 392
Chlamydomonas microsphaerella 389
Chlamydomonas minuta 392
Chlamydomonas minutissima 392
Chlamydomonas mirabilis 385, 394, 390
Chlamydomonas mirabilis var. *minor* 390
Chlamydomonas moewusii 392
Chlamydomonas monadina 385, 386, 387, 390
Chlamydomonas mucosa 407
Chlamydomonas multifilis 383
Chlamydomonas multitaeniata 392
Chlamydomonas muriella 385, 388, 390
Chlamydomonas mutabilis 386, 387, 390
Chlamydomonas nivalis 385, 387, 390
Chlamydomonas obergurglii 392
Chlamydomonas oblongella 386, 388, 390
Chlamydomonas oxyphila 385, 386, 388

- Chlamydomonas palatina* 392
Chlamydomonas parietaria 392
Chlamydomonas parvula 392
Chlamydomonas perpusilla 392
Chlamydomonas pertusa 386, 387, **391**
Chlamydomonas pertyi 392
Chlamydomonas peterfi 392
Chlamydomonas pisum 392
Chlamydomonas planktogloea 392
Chlamydomonas planoconvexa 393
Chlamydomonas platyrhyncha 386, 387, **391**
Chlamydomonas platystigma 385, 386
Chlamydomonas pluristigma 391
Chlamydomonas polypyrenoides 392
Chlamydomonas pomiformis 392
Chlamydomonas primoveris 392
Chlamydomonas proboscigera 388, **391**
Chlamydomonas proboscigera var. *conferta* 391
Chlamydomonas proboscigera var. *minor* 391
Chlamydomonas protracta 392
Chlamydomonas pseudoelegans 386, 388, **391**
Chlamydomonas pseudoelegans var. *minor* **391**
Chlamydomonas pseudogloeogama 392
Chlamydomonas pseudomacrostigma 392
Chlamydomonas pseudomutabilis 392
Chlamydomonas pseudopertusa 391
Chlamydomonas pseudotarda 392
Chlamydomonas pulvisculus 389
Chlamydomonas pyramidalis 385, 388, **391**
Chlamydomonas quadrilobata 385
Chlamydomonas quiescens 392
Chlamydomonas rapida 392
Chlamydomonas reinhardtii 384, 385, 387, **391**
Chlamydomonas reinhardtii var. *minor* 389
Chlamydomonas reisiigii 392
Chlamydomonas reticulata 392
Chlamydomonas sagittula 392
Chlamydomonas scherfelii 376
Chlamydomonas segnis 392
Chlamydomonas sessilis 413
Chlamydomonas similis 392
Chlamydomonas snowiae 385, 387, **391**
Chlamydomonas snowiae var. *palmelloides* **392**
Chlamydomonas snowiae var. *pluristigma* **392**
Chlamydomonas sphaeroides 391
Chlamydomonas sphagnicola 387, **392**, 406
Chlamydomonas sphagnophila 392
Chlamydomonas spinifera 392
Chlamydomonas stipitata 379
Chlamydomonas subangulosa 392
Chlamydomonas subglobosa 391
Chlamydomonas subreticulata 392
Chlamydomonas subtilis 392
Chlamydomonas terricola 392
Chlamydomonas tetragama 395
Chlamydomonas tetras 392
Chlamydomonas ulvaensis 392
Chlamydomonas umbonata 392
Chlamydomonas variabilis 392
Chlamydomonas varians 385, 388, **392**
Chlamydomonas velata 407
Chlamydomonas vestita 407
Chlamydomonas vulgaris 392
Chlamydomonas westiana 392
CHLAMYDOMYXA 319, **333**
Chlamydomyxa labyrinthuloides 323, **333**, **392**
Chlamydonephris excavata 385
Chlamydonephris pomiformis 394, **392**
Chlamydonephris pomiformis fo. *submontana* 392
CHLORANGIELLACEAE 376
CHLORELLA 4, 367, 370, 413, 475, 488, 499, 530, 538, 547
Chlorella botryoides 476
Chlorella ellipsoidea 412, **476**
Chlorella ellipsoidea 476
Chlorella emersonii 412, **476**
Chlorella fusca 439
Chlorella miniata **476**
Chlorella minor 497
Chlorella minutissima 412, **476**
Chlorella protothecoides 476
Chlorella pyrenoidosa var. *duplex* 476
Chlorella saccharophila 412, **476**
Chlorella saccharophila var. *ellipsoidea* 476
Chlorella vulgaris 25, 412, **476**
CHLORELLALES 303, 410, 475, 525, 526
Chlorellidiopsis separabilis 323, 326
CHLORHORMIDIUM 555
CHLOROBOTRYS **346**
Chlorobotrys limneticus 327
Chlorobotrys regularis 343, **346**
CHLOROCHYTRIUM 367, **474**
Chlorochytrium bristolae 558
Chlorochytrium dinobryonis 411
Chlorochytrium facciolae **477**, 558
Chlorochytrium grande 477
Chlorochytrium knyanum 477
Chlorochytrium lemnae 15, **477**, 558
Chlorochytrium paradoxum 453, **477**
Chlorococcalean alga(e) 498, 614
CHLOROCOCCALES 7, 364, 377, 378, 379, 410, 450, 471, 525, 526, 528, 532, 545
CHLOROCOCCUM 367, 413, 498, 525, 530
Chlorococcum gigas 450
Chlorococcum humicolum 414
Chlorococcum humicolum var. *incrassata* 414
Chlorococcum hypnosporum 412, 413
Chlorococcum infusionum 412, 413, 414,
Chlorococcum minutum 412, 413
Chlorococcum regulare 346
CHLORODENDRALES **361**
Chlorodesmus hispidus 315
CHLOROGLOEA **50**
Chlorogloea conferta 50
Chlorogloea microcystoides **50**
Chlorogloea tuberculosa **50**
Chlorogoniella 307, 368, 385
CHLOROGONIUM 384, 385, **392**, 403
Chlorogonium acus 393
Chlorogonium elegans **393**, 394
Chlorogonium elongatum **393**, 394
Chlorogonium euchlorum **393**, 394
Chlorogonium fusiforme **393**, 394
Chlorogonium kasakii 392
Chlorogonium minimum **393**, 394
Chlorogonium tetragamum 393, 394, **395**
CHLOROKYBOPHYCEAE 364
CHLOROLOBION 367, 369, 424, **426**, 429, 462, 485, 496
Chlorolobion braunii **429**, 457
Chlorolobion tatrae 429
CHLOROMONADIDA 275
CHLOROMONADOPHYTA 28
CHLOROMONAS 368, 384, 385, 275
Chloromonas acidophila 390
Chloromonas crassa 386
Chloromonas cryophila 395, 497
Chloromonas grovei 389
Chloromonas mirabilis 390
Chloromonas mucosa 407
Chloropeltis hispidula 210
Chloropeltis ovum 200
CHLOROPHYCEAE 364, 361, 410
CHLOROPHYTA 2, 29, 275, 318
CHLOROPHYTE(S) 3, 303, 358, 364
Chlorophysema 376
Chlorophysema adnata 377
Chlorophysema sessilis 377
CHLORORHABDION 416
CHLOROSACCUS 319, **324**
Chlorosaccus concarnensis 326
Chlorosaccus fluidus **326**, 323
Chlorosaccus ulvaceus 326
Chlorosphaeropsis lemnae 477
CHLOROTETRAEDRON 369, **429**
Chlorotetraedron incus **429**, 489
Chlorothecium saccharophilum 476
CHLOROTHORAKUS 397
Chlorotylum incrustans 537
CHODATELLA 486
Chodatella breviseta 483
Chodatella ciliata 486
Chodatella ciliata var. *amphitricha* 483
Chodatella citrifformis 486
Chodatella chodatii 486
Chodatella genevensis 486
Chodatella longiseta 488
Chodatella quadriseta 486
Chodatella subsalsa 486
CHORICYSTIS 458
Choricystis minor 500
Choricystis minuta 458
Choricystis obtusus 368
CHROMATIUM 4
CHROMOPHYTON 282, **306**
Chromophyton rosanoffii 282, **306**, 307
CHROMULINA 281, **282**
Chromulina aerophila **282**, 284
Chromulina ferrea **282**, 283
Chromulina nebulosa **282**, 283
Chromulina ovalis **282**, 283
Chromulina placentula **282**, 283
Chromulina rosanoffii 306
Chromulina sporangifera **282**, 283

838 TAXONOMIC INDEX

- Chromulina wislouchiana **282, 283**
 CHROMULINALES 281, 282
 CHROOCOCACEAE 60
 CHROOCOCCALES 35, 37–40, 47, 60, 142
 CHROOCOCCOPSIS 51, 76
 Chroococcopsis amethystea 51
 Chroococcopsis
 chroococcoides **51, 77**
 Chroococcopsis fluviatilis **51, 71, 72**
 CHROOCOCCUS 31, 40, **51, 75**
Chroococcus calcicola 52
Chroococcus cohaerens 51, **52**
Chroococcus dispersus **52, 53**
Chroococcus dispersus var. *minor* 54
Chroococcus distans **52**
Chroococcus giganteus 51, **52, 53**
Chroococcus helveticus **52**
Chroococcus limneticus **52, 53**
Chroococcus limneticus var. *distans* 52
Chroococcus membraninus 54
Chroococcus minimus **52, 54**
Chroococcus minor **52, 54**
Chroococcus minor var. *dispersus* **52, 54**
Chroococcus minutus 51, **52, 53, 54**
Chroococcus minutus var. *minimus* 54
Chroococcus pallidus **52, 54**
Chroococcus planctonicus 52
Chroococcus
 schizodermaticus **52, 54**
Chroococcus turicensis 51, **55**
Chroococcus turgidus Pl. 6D, 51, 52, 53, **54, 55**
Chroococcus varius 51, 53, **55**
 CHROODACTYLON 159, 161, **162, 163**
Chroodactylon halophila 163
Chroodactylon ornatum 160, 162, **163**
Chroodactylon ramosum 163
Chrooderma endophytica 570
Chroolepus abietinum 573
Chroolepus calamicola 574
Chroolepus lageniferum 571, 573
Chroolepus umbrinum 574
 CHROOMONAS 240, 242, **244**
Chroomonas acuta **243, 244**
Chroomonas baltica **243, 244, 245**
Chroomonas coerulea **243, 244, 245**
Chroomonas nordstedtii **243, 244, 245**
Chroomonas rosenbergii **243, 244, 245**
Chroomonas species **243, 244, 245**
 CHROOTHECE 159, 161, **163**
Chroothece richteriana 162, **163**
 CHRYSAMOEBIA 282, **283**
Chrysamoeba radians **283, 300**
Chrysamoeba scherffellii 283
Chrysastridium 285
 CHRYSIDIASTRUM 282, **285**
Chrysidiastrum catenatum **285, 300**
 CHRYSOCAPSA 282, **285**
Chrysocapsa epiphytica **285, 287**
Chrysocapsa pascheri 285
Chrysocapsa planctonica 285
 CHRYSOCAPSELLA 282, **285**
Chrysocapsella paludosa **285, 287**
Chrysocapsella planctonica **285, 287**
Chrysochaete britannica 301
 CHRYSOCHROMULINA 277, **279**
Chrysochromulina breviturrita 279
Chrysochromulina inornamenta 279
Chrysochromulina laurentiana 279
Chrysochromulina parva **278, 279**
Chrysochromulina polylepis 279
 CHRYSOCOCCUS 281, **285**
Chrysococcus biporus 286, 316
Chrysococcus cordiformis **286, 293**
Chrysococcus cystophorus **286**
Chrysococcus cystophorus fo. *astigmatus* **286, 293**
Chrysococcus diaphanus 293
Chrysococcus minutus 286, 316
Chrysococcus punctiformis **286, 293**
Chrysococcus rufescens **286, 293**
Chrysococcus rufescens fo. *tripora* 286, 293
Chrysococcus spiralis 316
Chrysococcus tessellatus **282, 293**
Chrysococcus triporus 286
Chrysoglena verrucosa 283
 CHRYSOLEPIDOMONAS 282, **286**
Chrysolepidomonas anglica **286, 300**
 CHRYSOLYKOS 282, **288**
'Chrysoikos skujai' 288
Chrysoikos gracilis 288
Chrysoikos planktonicus **288, 293**
Chrysoikos skujae **288, 293**
 CHRYSONEBULA 308
Chrysonnebula holmesii 287, 310
 CHRYSOPHYCEAE 92, 107, 108, 275, 281, 302, 303
 CHRYSOPHYTA 2, 14, 27, 28, 30, 277, 281, 355
 CHRYSOPHYTES 4, 11, 23, 281, 357
 CHRYSOPYXIS 306
Chrysopyxis ampullacea 308
Chrysopyxis globosa **306, 307**
Chrysopyxis macrotrachela 398
Chrysopyxis stenostoma **306, 307**
 CHRYSOPHAERA 282, **288, 308**
Chrysophaera magna 288, 308
Chrysophaera paludosa **288, 307**
 CHRYSOPHAERELLA 282, **288**
Chrysophaerella brevispina **288, 300**
Chrysophaerella
 coronacircumspina **288, 314**
Chrysophaerella longispina **288, 314**
Chrysophaerella solitaria 288
 CHRYSOSTEPHANOSP-HAERA 282, **290**
Chrysostephanosphaera globulifera 287, **290**
 CHRYSOTILA 277, **279**
Chrysotila lamellosa 278, **279**
 Cladocera 83, 184
 CLADOPHORA 7, 5, 15, 82, 83, 163, 342, 357, 371, 372, 376, 532, 533, 534, 537, 560, **563, 564, 767**
Cladophora aegagropila 560
Cladophora canicularis 563
Cladophora crispata 563
Cladophora fracta 563
Cladophora glomerata 1, Pl. 1C, 11, 82, 342, 505, 465, 496, 532, 560, **563, 564, 568**
Cladophora holsatica 534, 560
Cladophora sauteri 560
 CLADOPHORALES 557
Cladophorella calcicola 564
 CLASTIDIUM 47, 55
Clastidium rivulare 47, 55
Clastidium setigerum 55, 75
Clastidium setigerum var. *rivulare* 55
Clathrocystis holsatica 41
 CLOSTERIACEAE 616
 CLOSTERIINEAE 576, 616
 CLOSTERIOPSIS 369, **478**
Closteriopsis acicularis 457, **478**
Closteriopsis longissima 457, **478**
Closteriopsis longissima var. *acicularis* 478
Closteriopsis longissima var. *tropica* **478**
 CLOSTERIUM 12, 365, 611, **616**
Closterium abruptum 617, **618, 621**
Closterium abruptum var. *brevius* 618
Closterium acerosum 618, **620, 621**
Closterium acerosum var. *elongatum* 617, **620**
Closterium aciculare 617, 619, **620**
Closterium aciculare var. *subpronum* 620
Closterium acutum 617, 619, **620**
Closterium acutum var. *linea* 619, **620**
Closterium acutum var. *variabile* 619, **620**
Closterium anguineum 633
Closterium angustatum 617, **620, 624**
Closterium angustatum fo. *sculptum* 633
Closterium angustatum var. *sculptum* **620**
Closterium archerianum 618, **620, 736**
Closterium archerianum var. *pseudocynthia* 633
Closterium arcus 633
Closterium attenuatum 617, 621, **622**
Closterium baillyanum 617, 621, **622**
Closterium baillyanum var. *alpinum* 612, **622**
Closterium calosporum 618, **622, 629**
Closterium calosporum var. *brasiliense* 619, **622, 626**
Closterium calosporum var. *maius* 633
Closterium closterioides 616, 619, **622**
Closterium closterioides var. *intermedium* 619, **623**
Closterium cornu 617, 619, **623**
Closterium cornu var. *lundellii* 633
Closterium costatum 617, 621, **623**
Closterium costatum var. *borgei* 633
Closterium costatum var. *erectum* **623, 626**
Closterium costatum var. *westii* 633
Closterium cynthia 527
Closterium cynthia var. *jenneri* 527
Closterium cynthia var. *latum* 527
Closterium decorum 633
Closterium delpontei 633
Closterium decedens 603
Closterium dianae 618, 619, 622, **623**

- Closterium dianae* var. *brevius* 633
Closterium dianae var. *compressum* 633
Closterium dianae var. *minus* 619, 623
Closterium dianae var. *pseudodiana* 619, 623
Closterium didymotocum 617, 625, 626
Closterium didymotocum var. *alpinum* 622
Closterium didymotocum var. *baillyanum* 622
Closterium didymotocum var. *delpontei* 625
Closterium directum 617, 624, 625
Closterium directum var. *oligocampylum* 633
Closterium directum var. *recurvatum* 633
Closterium eboracense 633
Closterium eboracense var. *achillense* 633
Closterium ehrenbergii 618, 621, 625
Closterium ehrenbergii fo. *malinvernianum* 633
Closterium ehrenbergii var. *malinvernianum* 525, 633
Closterium exiguum 633
Closterium exile 633
Closterium gracile 616, 621, 625
Closterium gracile var. *elongatum* 625
Closterium griffithii 457
Closterium hibernicum 633
Closterium idiosporum 617, 619, 625
Closterium incurvum 618, 619, 625, 633
Closterium intermedium 617, 627, 736
Closterium intermedium var. *hibernicum* 626, 627
Closterium jenneri 618, 621, 627
Closterium juncidum 617, 621, 627
Closterium juncidum var. *brevius* 627
Closterium juncidum var. *elongatum* 627
Closterium juncidum var. *robustius* 627
Closterium kuetzingii 617, 621, 627, 632
Closterium kuetzingii var. *vittatum* 627
Closterium lanceolatum 633
Closterium lanceolatum var. *parvum* 633
Closterium lagoense 633
Closterium laterale 633
Closterium leibleinii 617, 619, 627
Closterium leibleinii var. *boergesenii* 628
Closterium limneticum 617, 626, 627
Closterium linea 620
Closterium lineatum 617, 627, 736
Closterium littorale 617, 621, 627
Closterium littorale var. *crassum* 633
Closterium lunula 617, 621, 628
Closterium lunula var. *giganteum* 633
Closterium macilentum 633
Closterium malinvernianum 625
Closterium moniliferum 618, 621, 628, 625
Closterium moniliferum var. *submoniliferum* 628
Closterium monotaenium 633
Closterium navicula 616, 619, 628
Closterium navicula var. *crassum* 633
Closterium navicula var. *granulatum* 629
Closterium nematodes 618, 629
Closterium nematodes var. *proboscideum* 626, 629
Closterium nilssonii 618
Closterium nordstedtii 616, 626, 629
Closterium nordstedtii var. *polystictum* 633
Closterium nylandicum 663
Closterium obtusum 614
Closterium parvulum 618, 619, 622, 629, 633
Closterium parvulum var. *angustum* 629
Closterium parvulum var. *maius* 629
Closterium porrectum 633
Closterium porrectum var. *angustatum* 633
Closterium praelongum 617, 629
Closterium praelongum fo. *brevior* 629
Closterium praelongum var. *brevius* 621, 629
Closterium pritchardianum 618, 629, 736
Closterium pritchardianum var. *angustum* 630, 630
Closterium pronum 617, 633
Closterium pronum var. *longissima* 478
Closterium pseudodiana 623
Closterium pseudolunula 633
Closterium pseudospirotaenium var. *variabile* 620
Closterium pusillum 633
Closterium pusillum var. *maius* 633
Closterium pygmaeum 633
Closterium ralfsii 631
Closterium ralfsii var. *hybridum* 618, 621, 631
Closterium regulare 617, 630, 631
Closterium rostratum 617, 621, 631
Closterium rostratum var. *brevirostratum* 630, 631
Closterium setaceum 617, 621, 627, 631
Closterium siliqua 627
Closterium sphaerosporum 633
Closterium strigosum 633
Closterium strigosum var. *elegans* 633
Closterium striolatum 617, 621, 632
Closterium striolatum var. *subtruncatum* 633
Closterium sublaterale 618, 630, 632
Closterium subscoticum 617, 630, 632
Closterium subtile 633
Closterium subulatum 633
Closterium tortum 633
Closterium toxon 633
Closterium toxon var. *validum* 633
Closterium tumidulum 633
Closterium tumidum 633
Closterium turgidum 617, 632, 736
Closterium turgidum var. *giganteum* 628
Closterium ulna 625
Closterium variabile 633
Closterium venus 618, 619, 632, 629
Coccolithophorids 277
Coccomonas aeruginosa 58
Coccomonas grevillei 41
Coccomonas muscicola 43
Coccomonas stagnina 46
Coccomonas lunzensis 395
Coccomonas orbicularis 395, 396
Coccomonas platyformis 395, 396
Coccomonas 368, 395, 402, 407
Coccomyxa confluens 428, 429, 430
Coccomyxa dispar 429
Coccomyxa lacustris 435
Coccomyxa simplex 496
Coccomyxa solorinae 430
Coccomyxa subellipsoidea 430
Coccomyxa subglobosa 429, 453
Cocconeis 351
Coelastrella oocystiformis 434, 449
Coelastropsis 373, 430
Coelastropsis costata 430, 453
Coelastrum 12, 372, 430, 433
Coelastrum astroideum 431, 432
Coelastrum cambricum 431
Coelastrum costatum 430
Coelastrum cubicum 431
Coelastrum microporum 430, 431, 432
Coelastrum microporum fo. *astroidea* 430
Coelastrum morus 431
Coelastrum proboscideum 431, 432
Coelastrum pseudomicroporum 430, 431, 432
Coelastrum pulchrum 431, 432
Coelastrum reticulatum 451
Coelastrum schizodermaticum 433
Coelastrum sphaericum 431, 432
Coelastrum verrucosum 431, 432, 433
COELOMORON 40, 55
Coelomoron pusillum 56, 73
COELOSPHAERIUM 40, 56, 75, 77, 379, 380
Coelosphaerium kuetzingianum 56, 65
Coelosphaerium minutissimum 56, 73
Coelosphaerium naegelianum 77
Coelosphaerium pusillum 56
COENOCHLORIS 375, 418, 434, 466
Coenochloris fottii 418, 428, 434, 466
Coenochloris korsikovii 444
COENOCOCCUS 375, 433, 466, 468
Coenococcus fottii 433
Coenococcus planktonicus 428, 434
Coenococcus polycoccus 428, 433
COENOCYSTIS 375, 431, 433, 434
Coenocystis obtusa 428, 434
Coenocystis planktonica 428, 434
Coenogonium rigidulum 574
coffee 570
Cohniella staurogeniaeformis 474
COLACIUM 181, 183
Colacium arbuscula 184

840 TAXONOMIC INDEX

- Colacium epiphyticum **184**, 211
 Colacium vesiculosum 182, **184**, 211
 Colacium vesiculosum fo. arbuscula **184**, 211
 Colacium vesiculosum fo. cyclopicola **184**, 211
 COLEOCHAETALES 564
 COLEOCHAETE 371, 377, 565, 566
 Coleochaete irregularis 527, 565
 Coleochaete nitellarum 565, **565**
 Coleochaete orbicularis 527, **565**
 Coleochaete pulvinata 527, 535, **565**
 Coleochaete scutata 535, **565**
 Coleochaete scutata var. soluta 566
 Coleochaete soluta 535, 565, **566**
 COLEOCHAETOPHYCEAE 364
 COLEODESMIUM **130**
 Coleodesmium wrangelii **130**, 146
 Collodictyon triciliatum 399
 COMPSOPOGON 159, 161, **165**
 Compsopogon aeruginosus 165
 Compsopogon chalybeus 165
 Compsopogon coeruleus 159, 162, 164, **165**
 Compsopogon corinaldii 165
 Compsopogon hookeri 165
 Compsopogon lusitanicus 165
 Compsopogon oishii 165
 COMPSOPOGONALES 159, 160, **163**
 COMPSOPOGONOPHYCEAE 163
 COMPSOPOGONOPSIS 165
 Compsopogonopsis leptocladus 165
 Conferva abbreviata 539
 Conferva aegagropila 560
 Conferva affinis 334
 Conferva amoena 539
 Conferva amoena fo. gracilis 540
 Conferva atra 171
 Conferva atropurpurea 165
 Conferva bombycina 334
 Conferva bombycina fo. minor 334
 Conferva bombycina var. utriculosum 334
 Conferva bursata 342
 Conferva canicularis 337, 338
 Conferva capillare 508
 Conferva coerulea 165
 Conferva decima 593
 Conferva dichotoma 338
 Conferva dillwynii 338
 Conferva fluviatilis 175
 Conferva foetida 310
 Conferva fontinalis 155, 338, 564
 Conferva frigida 341
 Conferva gelatinosa 174
 Conferva genuflexa 583
 Conferva glomerata 530
 Conferva hermannii 167
 Conferva hispida 180
 Conferva jugalis 595
 Conferva linum 560
 Conferva lubrica 550
 Conferva minor 334
 Conferva mucosa 739
 Conferva nanum 550
 Conferva nidifica 765
 Conferva nitida 597
 Conferva obsoleta 334
 Conferva ornata 163
 Conferva pachyderma 540
 Conferva porticalis 598
 Conferva protensum 500
 Conferva reticulatum 451
 Conferva setiformis 600
 Conferva setigera 504
 Conferva stictica 586
 Conferva subsecundum 500
 Conferva tenerrima fo. stagnorum 540
 Conferva torulosa 178
 Conferva tumidula 521
 Conferva undulata 521
 Conferva utriculosa 334
 Conferva wittrockii 541
 Conferva zonata 554
 Conjugata condensata 592
 Conjugata cruciata 605
 Conjugata inflata 595
 Conjugata longata 595
 Conjugata pectina 606
 Conjugata stellina 607
 CONOCHAETE 367, **566**
 Conochaete comosa 552, **566**
 Conochaete polytricha 552, **566**
 Copepoda(s) 184
 Corbiera 382
 Corcontochrysis noctivaga 277
 CORONASTRUM 373, **478**
 Coronastrum anglicum 478
 Coronastrum ellipsoideum 436, **478**
 CORVOMYENIA 346
 Cosmaridium ovale 658
 COSMARIUM 8, 365, 366, **639**, 695, 734
 Cosmarium abbreviatum 640, **646**
 Cosmarium abbreviatum var. germanicum 674
 Cosmarium abbreviatum var. planctonicum **646**, 664
 Cosmarium abruptum 674
 Cosmarium adoxum 674
 Cosmarium alpestre 674
 Cosmarium amoenum 645, **646**, 669
 Cosmarium amoenum var. mediolaeve 674
 Cosmarium anceps 642, **646**, 659
 Cosmarium anceps var. crispulum 674
 Cosmarium anisochondrum 674
 Cosmarium annulatum 645, **646**
 Cosmarium annulatum var. elegans **646**, 669
 Cosmarium arctoum 674
 Cosmarium arctoum var. taticum 674
 Cosmarium arnellii 674
 Cosmarium asphaerosporum **646**, 674
 Cosmarium asphaerosporum var. corribense 630, 640, **646**
 Cosmarium asphaerosporum var. strigosum 674
 Cosmarium basilicum 674
 Cosmarium binum 643, **646**, 669
 Cosmarium bioculatum 640, **646**, 659
 Cosmarium bioculatum var. depressum **647**, 659
 Cosmarium bioculatum var. hians 646, 674
 Cosmarium bipapillatum 674
 Cosmarium bipunctatum 674
 Cosmarium biretum 645, **647**, 669
 Cosmarium biretum var. trigibberum 674
 Cosmarium bitriangulum var. bitrapezoidale 674
 Cosmarium blyttii 643, **647**, 665
 Cosmarium blyttii var. novae-sylvae 630, **647**
 Cosmarium boeckii 643, **647**, 669
 Cosmarium botrytis 644, **647**, 669
 Cosmarium botrytis var. depressum 674
 Cosmarium botrytis var. emarginatum 674
 Cosmarium botrytis var. gemmiferum 674
 Cosmarium botrytis var. mediolaeve **647**, 669
 Cosmarium botrytis var. paxillosporum 674
 Cosmarium botrytis var. subtumidum 674
 Cosmarium botrytis var. tumidum 674
 Cosmarium brebissonii 645, **468**, 665
 Cosmarium broomei 674
 Cosmarium caelatum 645, **648**, 654, 665
 Cosmarium caelatum var. hexagonum 674
 Cosmarium caelatum var. spectabile 674
 Cosmarium calcareum 674
 Cosmarium calcareum var. spetsbergense 674
 Cosmarium cambricum 673
 Cosmarium canaliculatum 674
 Cosmarium candianum 674
 Cosmarium capitulum 674
 Cosmarium capitulum var. groenlandicum 674
 Cosmarium carinthiacum 630, 645, **648**, 690
 Cosmarium carinthiacum var. acutum 574
 Cosmarium circulare fo. minor 674
 Cosmarium clepsydra 674
 Cosmarium coarctatum 674
 Cosmarium commissurale 643, **648**, 665
 Cosmarium commissurale var. acutum 674
 Cosmarium commissurale var. crassum 674
 Cosmarium confusum var. regularis 655
 Cosmarium connatum 642, **648**, 664
 Cosmarium conspersum 645, **648**
 Cosmarium conspersum var. latum **648**, 669
 Cosmarium conspersum var. rotundatum 674
 Cosmarium conspersum var. subrotundatum 674
 Cosmarium contractum 640, **648**, 659
 Cosmarium contractum var. cracoviense 674
 Cosmarium contractum var. ellipsoideum **649**, 659
 Cosmarium contractum var. gartanense 674
 Cosmarium contractum var. incrassatum 630, **649**
 Cosmarium contractum var. minutum 674
 Cosmarium contractum var. rotundatum **649**, 659
 Cosmarium contractum var. subglobosum 630, 641, 642, **649**
 Cosmarium controversum 674
 Cosmarium corbula 674
 Cosmarium coronatum 674
 Cosmarium corribense 674
 Cosmarium corriense 646, 674
 Cosmarium costatum 674
 Cosmarium crenatum 645, **649**, 669
 Cosmarium crenatum var. bicrenatum 674
 Cosmarium crenulatum 642, **649**, 659
 Cosmarium cristatum 674
 Cosmarium cucumis 641, **649**, 659

- Cosmarium cucumis* var. *helveticum* 674
Cosmarium cucumis var. *magnum* 649, 659
Cosmarium cucurbita 636
Cosmarium cucurbitinum 636
Cosmarium curtum 637
Cosmarium cyclicum 643, 649
Cosmarium cyclicum var. *arcticum* 650, 659
Cosmarium cyclicum var. *nordstedtianum* 674
Cosmarium cylindricum 674
Cosmarium cymatium 674
Cosmarium cymatonotophorum 630, 645, 650, 674
Cosmarium cymatonotophorum fo. *ornata* 648
Cosmarium cymatonotophorum var. *granulatum* 650
Cosmarium cymatopleurum 630, 641, 650
Cosmarium debaryi 641, 650, 664
Cosmarium decedens 642, 650
Cosmarium denotarisi 674
Cosmarium dentiferum 674
Cosmarium depressum 640, 641, 650, 659
Cosmarium depressum var. *achondrum* 650, 659
Cosmarium depressum var. *intermedium* 650, 651
Cosmarium depressum var. *minor* 674
Cosmarium depressum var. *planctonicum* 640, 652, 659
Cosmarium depressum var. *reniforme* 674
Cosmarium depressum var. *sinuosum* 674
Cosmarium didymochondrum 643, 662, 669
Cosmarium didymoprotupsum 644, 651, 652
Cosmarium difficile 642, 652, 664
Cosmarium difficile var. *minutissimae* 673
Cosmarium difficile var. *sublaeve* 651, 652
Cosmarium diplosporum var. *maius* 637
Cosmarium distichum 674
Cosmarium dovrense 674
Cosmarium dybowski 645, 651, 652
Cosmarium eductum 674
Cosmarium eichlerianum 674
Cosmarium elegantissimum 674
Cosmarium entochondrum 674
Cosmarium etchachanense 674
Cosmarium excavatum 645, 653
Cosmarium excavatum var. *duplo-maius* 651, 653, 674
Cosmarium exiguum 674
Cosmarium exiguum var. *pressum* 674
Cosmarium fastidiosum 674
Cosmarium fictopraemorsum 674
Cosmarium flavum 674
Cosmarium fontigenum 641, 653, 659
Cosmarium formosulum 644, 653, 669
Cosmarium formosulum var. *nathorstii* 674
Cosmarium furcatospermum 674
Cosmarium galeritum 641, 653, 659
Cosmarium garrolense 674
Cosmarium gayanum 674
Cosmarium gayanum var. *eboracense* 674
Cosmarium geminatum 674
Cosmarium geometricum 674
Cosmarium goniodes 653, 674
Cosmarium goniodes var. *subturgidum* 640, 651, 653
Cosmarium goniodes var. *variolum* 674
Cosmarium granatum 641, 653, 659
Cosmarium granatum var. *elongatum* 674
Cosmarium granatum var. *grunowii* 674
Cosmarium granatum var. *nordstedtii* 674
Cosmarium grantii 674
Cosmarium granulatum 674
Cosmarium granulosculum 663
Cosmarium gravatum 674
Cosmarium hammeri 643, 651, 653
Cosmarium hammeri var. *homaloderum* 674
Cosmarium hammeri var. *protuberans* 674
Cosmarium helcangulare 674
Cosmarium hexalobum 674
Cosmarium hexalobum var. *minus* 674
Cosmarium hibernicum 674
Cosmarium holmiense 654, 664
Cosmarium holmiense var. *attenuatum* 674
Cosmarium holmiense var. *integrum* 641, 654, 664
Cosmarium holmiense var. *undatum* 674
Cosmarium humile 643, 654, 665
Cosmarium humile var. *danicum* 674
Cosmarium humile var. *glabrum* 674
Cosmarium humile var. *striatum* 674
Cosmarium humile var. *substriatum* 674
Cosmarium impressulum 641, 649, 654, 664
Cosmarium impressulum var. *suborthogonum* 651, 654
Cosmarium inconspicuum 674
Cosmarium incrassatum 654
Cosmarium incrassatum var. *schmidlei* 641, 651, 654
Cosmarium intermedium 674
Cosmarium isthmium 674
Cosmarium isthmium var. *horizontale* 674
Cosmarium isthmochondrum 643, 651, 654
Cosmarium isthmochondrum var. *decussiferum* 674
Cosmarium isthmochondrum var. *pergranulatum* 674
Cosmarium jenisejense 674
Cosmarium klebsii 642, 651, 655
Cosmarium kjellmani 674
Cosmarium kjellmani var. *grande* 674
Cosmarium kjellmani var. *ornatum* 674
Cosmarium kotilainense 648
Cosmarium laeve 642, 655, 664
Cosmarium laeve var. *cymatium* 674
Cosmarium laeve var. *depressum* 674
Cosmarium laeve var. *octangulare* 674
Cosmarium laeve var. *westii* 674
Cosmarium latifrons 674
Cosmarium lepidum 674
Cosmarium lobatosporum 674
Cosmarium logiense 675
Cosmarium lundellii 675
Cosmarium lundellii var. *corruptum* 675
Cosmarium lundellii var. *ellipticum* 675
Cosmarium luxuriosum 675
Cosmarium maamense 645, 651, 655
Cosmarium margaritatum 645, 655, 669
Cosmarium margaritatum fo. *subrotundatum* 675
Cosmarium margaritifera 644, 655, 661, 665
Cosmarium margaritifera var. *reniforme* 668
Cosmarium melanosporum 675
Cosmarium meneghinii 642, 655, 664
Cosmarium meneghinii fo. *octangulare* 655
Cosmarium meneghinii var. *nanum* 675
Cosmarium meneghinii var. *simplicissimum* fo. *reinschii* 654
Cosmarium messikommer 648
Cosmarium microsphinctum 675
Cosmarium microsphinctum var. *maius* 675
Cosmarium microsphinctum var. *parvulum* 675
Cosmarium minimum 675
Cosmarium moerlianus 563, 651, 656
Cosmarium moniliforme 642, 656, 664
Cosmarium moniliforme fo. *elongatum* 675
Cosmarium moniliforme var. *limneticum* 675
Cosmarium moniliforme var. *panduriformis* 675
Cosmarium moniliforme var. *subpyriforme* 675
Cosmarium monochondrum 675
Cosmarium monomazum 656, 675
Cosmarium monomazum var. *polymazum* 644, 656, 665
Cosmarium morsum 675
Cosmarium nagelianum 675
Cosmarium nasutum 675
Cosmarium nasutum var. *asperum* 675
Cosmarium nitidulum 675
Cosmarium norimbergense 675
Cosmarium norimbergense var. *depressum* 675
Cosmarium norimbergense var. *sublobatiforme* 675
Cosmarium notabile 675
Cosmarium notabile var. *transiens* 675
Cosmarium novae-semiliae 675
Cosmarium novae-semiliae var. *granulatum* 675
Cosmarium nuttallii 675
Cosmarium nymannianum 642, 656, 659
Cosmarium obliquum 642, 651, 656
Cosmarium obliquum var. *ovale* 675
Cosmarium obliquum var. *tatricum* 675
Cosmarium obliquum var. *trigonum* 675
Cosmarium oblongum 675
Cosmarium obsoletum 675
Cosmarium obtusatum 675
Cosmarium obtusatum var. *beanlandii* 675
Cosmarium ocellatum 675
Cosmarium ocellatum var. *incrassatum* 675

842 TAXONOMIC INDEX

- Cosmarium ochthodes* 643, 656, 657
Cosmarium ochthodes var. *amoebum* 675
Cosmarium ochthodes var. *subcirculare* 675
Cosmarium oligogongrus 675
Cosmarium orbiculatum 661, 675
Cosmarium ordinatum 643, 657, 658
Cosmarium ornatum 644, 658, 665
Cosmarium ornatum var. *perornatum* 675
Cosmarium orthogonum 675
Cosmarium orthostichum 645, 657, 658
Cosmarium orthostichum var. *compactum* 675
Cosmarium orthostichum var. *pumilum* 675
Cosmarium ovale 641, 658, 669
Cosmarium ovale var. *subglabrum* 675
Cosmarium pachydermum 642, 658, 659
Cosmarium pachydermum var. *aethiopicum* 657, 658
Cosmarium parvum 675
Cosmarium paragranatoides 641, 657, 660
Cosmarium perforatum 642, 657, 660
Cosmarium perforatum var. *skujae* 657, 660
Cosmarium pericymatium 642, 657, 660
Cosmarium pericymatium var. *corrugatum* 657, 660
Cosmarium pericymatium var. *eboracense* 675
Cosmarium perpusillum 675
Cosmarium phaseolus 675
Cosmarium phaseolus var. *achondrum* 650
Cosmarium phaseolus var. *elevatum* 675
Cosmarium phaseolus var. *skujae* 675
Cosmarium plicatum 675
Cosmarium plicatum var. *hibernicum* 675
Cosmarium pokornyanum 641, 657, 660
Cosmarium pokornyanum var. *taylorii* 675
Cosmarium polygonum 675
Cosmarium polymazum 656
Cosmarium portianum 645, 561, 665
Cosmarium portianum var. *nephroideum* 675
Cosmarium praegrande 645, 657, 661
Cosmarium praemorsum 645, 661, 665
Cosmarium prominulum 650, 670
Cosmarium promontorium 675
Cosmarium propinquum 652
Cosmarium protractum 644, 657, 661
Cosmarium protractum var. *basigranulatum* 644, 661, 662
Cosmarium protuberans 675
Cosmarium pseudamoenum 645, 661, 675
Cosmarium pseudamoenum var. *basilare* 661, 662
Cosmarium pseudarctoum 675
Cosmarium *pseudatlantoideum* 675
Cosmarium *pseudobiremum* 675
Cosmarium pseudobroomei 675
Cosmarium pseudobroomei var. *convexum* 675
Cosmarium pseudoconnatum 642, 661, 664
Cosmarium pseudoconnatum var. *constrictum* 675
Cosmarium pseudoconnatum var. *ellipsoideum* 675
Cosmarium pseudoexiguum 642, 652, 662, 663
Cosmarium pseudonitidulum 641, 642, 662, 663
Cosmarium pseudonitidulum var. *validum* 641, 662, 663
Cosmarium pseudoornatum 644, 662, 663
Cosmarium *pseudoprotuberans* 675
Cosmarium *pseudoprotuberans* var. *alpinum* 675
Cosmarium *pseudopyramidatum* 641, 663, 664, 666
Cosmarium *pseudopyramidatum* var. *carniolicum* 675
Cosmarium *pseudopyramidatum* var. *lentiferum* 675
Cosmarium *pseudopyramidatum* var. *maximum* 675
Cosmarium pulcherrimum 675
Cosmarium punctulatum 644, 663, 665
Cosmarium punctulatum var. *granusculum* 675
Cosmarium punctulatum var. *mesoleium* 675
Cosmarium punctulatum var. *rotundatum* 675
Cosmarium punctulatum var. *subpunctulatum* 644, 663, 665
Cosmarium pusillum 675
Cosmarium pycnochondrum 675
Cosmarium pygmaeum 642, 663, 664
Cosmarium pyramidatum 641, 664, 666
Cosmarium pyramidatum var. *angustatum* 675
Cosmarium pyramidatum var. *pseudocucumis* 663
Cosmarium pyramidatum var. *stenonotum* 662, 666
Cosmarium quadrangulatum 647
Cosmarium quadratum 675
Cosmarium quadratum var. *subimpressulum* 675
Cosmarium quadratum 642, 664
Cosmarium quadratum var. *angustatum* 675
Cosmarium quadratum var. *willei* 675
Cosmarium quadridentatum 675
Cosmarium quadrifarium 643, 666
Cosmarium quadrifarium var. *hexastichum* 665, 666
Cosmarium quadrifarium var. *octastichum* 662, 666
Cosmarium *quadrimamillatum* 675
Cosmarium quadrum 645, 662, 667, 675
Cosmarium quasillus 675
Cosmarium quaternarium 675
Cosmarium quinarium 644, 665, 667
Cosmarium radiosum 675
Cosmarium ralfsii Pl. 2G, 641, 659, 667
Cosmarium ralfsii var. *montanum* 641, 659, 667
Cosmarium ralfsii var. *rotundatum* 675
Cosmarium rectangulare 642, 662, 667
Cosmarium rectangulare var. *cambrense* 675
Cosmarium rectangulare var. *hexagonum* 675
Cosmarium rectangulum 675
Cosmarium regnellii 642, 644, 667
Cosmarium regnellii var. *minimum* 675
Cosmarium regnellii var. *pseudoregnellii* 675
Cosmarium regnesii 644, 650, 664, 667
Cosmarium regnesii var. *montanum* 675
Cosmarium regnesii var. *polonicum* 667, 670
Cosmarium regnesii var. *tritum* 675
Cosmarium reinschii 675
Cosmarium reinschii var. *eboracense* 675
Cosmarium reniforme 645, 665, 668
Cosmarium reniforme var. *apertum* 675
Cosmarium reniforme var. *compressum* 665, 668
Cosmarium reniforme var. *elevatum* 675
Cosmarium repandum 675
Cosmarium repandum var. *minus* 675
Cosmarium retusifforme 675
Cosmarium retusum 675
Cosmarium retusum var. *angustatum* 675
Cosmarium scenedesmus 650
Cosmarium *schliephackeanum* 663
Cosmarium scopulorum 675
Cosmarium scoticum 675
Cosmarium sexangulare 675
Cosmarium sexangulare var. *minus* 675
Cosmarium sexnotatum 675
Cosmarium sexnotatum var. *tristriatum* 675
Cosmarium simii 675
Cosmarium sinostegos 675
Cosmarium sinostegos var. *obtusius* 675
Cosmarium slewdrumense 675
Cosmarium smolandicum 675
Cosmarium smolandicum var. *angustatum* 675
Cosmarium solidum 675
Cosmarium speciosissimum 675
Cosmarium speciosissimum var. *validius* 675
Cosmarium speciosum 643, 668, 669
Cosmarium speciosum var. *biforme* 675
Cosmarium speciosum var. *incrassatum* 675
Cosmarium speciosum var. *rostaffinskii* 668, 669
Cosmarium speciosum var. *simplex* 675
Cosmarium sphaeroideum 645, 665, 668
Cosmarium sphagnicola 642, 668, 670
Cosmarium sphalerostichum 645, 665, 668
Cosmarium sportella 671
Cosmarium sportella var. *subnudum* 644, 665, 671
Cosmarium subalatum 675
Cosmarium subarctoum 675
Cosmarium subarctoum var. *punctatum* 675
Cosmarium subaversum 675
Cosmarium subbroomei 675
Cosmarium subcapitulum 676
Cosmarium subcontractum 676

- Cosmarium subcostatum* 644, 669, **671**
Cosmarium subcostatum var. *beckii* 676
Cosmarium subcostatum fo. *minor* 676
Cosmarium subcrenatum 644, 669, **671**
Cosmarium subcrenatum var. *divaricatum* 676
Cosmarium subcucumis 640, 670, **671**
Cosmarium subcylindricum 676
Cosmarium subdanicum 676
Cosmarium subexcavatum 676
Cosmarium subexcavatum var. *ordinatum* 676
Cosmarium subgranatum 676
Cosmarium subgranatum var. *borgei* 676
Cosmarium subimpersulatum 676
Cosmarium subnotabile 676
Cosmarium subprotumidum 676
Cosmarium subprotumidum var. *gregorii* 676
Cosmarium subpunctulatum 663
Cosmarium subquadrans 640, 670, **671**
Cosmarium subquadrans var. *minus* 671, 676
Cosmarium subquadratum 676
Cosmarium subraciborskii 676
Cosmarium subreinschii 676
Cosmarium subreniforme 676
Cosmarium subretusiforme 676
Cosmarium subspeciosum 676
Cosmarium subspeciosum var. *validius* 676
Cosmarium subtrinodulum 676
Cosmarium subtumidum 642, 670, **671**
Cosmarium subtumidum var. *groenbladii* 676
Cosmarium subtumidum var. *klebsii* 655
Cosmarium subtumidum var. *minor* 676
Cosmarium subturgidum 676
Cosmarium subundulatum 641, 659, **671**
Cosmarium succissum 676
Cosmarium succissum var. *hians* 676
Cosmarium synthlibomenum 676
Cosmarium tatricum 676
Cosmarium tatricum var. *novizelandicum* 676
Cosmarium tatricum var. *spheruliferum* 676
Cosmarium taxichondriforme 676
Cosmarium tenue 676
Cosmarium tetrachondrum 643, 670, **672**
Cosmarium tetragonum 643, 672, 676
Cosmarium tetragonum var. *elegans* 676
Cosmarium tetragonum var. *heterocrenatum* 676
Cosmarium tetragonum var. *intermedium* 676
Cosmarium tetragonum var. *lundellii* 676
Cosmarium tetragonum var. *ornatum* 670, **672**
Cosmarium tetraophthalmum 646, 669, **672**
Cosmarium tetricum var. *sphaeruliferum* 679
Cosmarium thwaitesii 676
Cosmarium thwaitesii var. *penioides* 676
Cosmarium tinctum 640, 659, **672**
Cosmarium tinctum var. *intermedium* 676
Cosmarium tinctum var. *subretusum* 676
Cosmarium tinctum var. *tumidum* 676
Cosmarium trachydermum 676
Cosmarium trachypleurum 676
Cosmarium trachypleurum var. *minus* 676
Cosmarium trafilgaricum 676
Cosmarium trilobulatum 676
Cosmarium truncatellum 676
Cosmarium tuberculatum 676
Cosmarium tumens 676
Cosmarium tumidum 639, 670, **672**
Cosmarium turgidum 637
Cosmarium turneri 676
Cosmarium turpinii 644, 652, **672**
Cosmarium turpinii var. *eximium* 670, **672**, 673
Cosmarium turpinii var. *podolicum* 644, 665, **673**
Cosmarium umbilicatum 676
Cosmarium undulatum 642, 659, **673**
Cosmarium undulatum var. *crenulatum* 649
Cosmarium undulatum var. *minutum* 676
Cosmarium undulatum var. *wollei* 676
Cosmarium ungerianum 676
Cosmarium ungerianum var. *subtriplicatum* 676
Cosmarium variolatum 640, 664, **673**
Cosmarium variolatum var. *cataractarum* 676
Cosmarium variolatum var. *skujae* 664, **673**
Cosmarium venustum 641, 649, 664, **673**
Cosmarium venustum var. *excavatum* 664, **673**
Cosmarium venustum var. *hypohexagonum* 676
Cosmarium venustum var. *majus* 676
Cosmarium vexatum 676
Cosmarium vexatum var. *lacustre* 676
Cosmarium vexatum var. *rotundatum* 676
Cosmarium viride 636
Cosmarium vogesiacum 676
Cosmarium woloszynskae 641, 670, **673**
Cosmarium wittrockii 676
Cosmarium zonatum 641, 670, **673**
COSMIONEIS 351
COSMOCLADIUM 366, **676**
Cosmocladium constrictum 676
Cosmocladium perissum 676
Cosmocladium pulchellum 676
Cosmocladium pusillum 686
Cosmocladium saxonicum 676, 735
Cosmocladium tuberculatum 676
Craterospermum laetevirens 583
CRATICULA 351, 353
Cricotopus 141
CRINALIUM 79, **81**
Crinalium endophyticum **81**
Crinalium epiammum **81**
CRUCIGENIA 373, **434**, 435, 473, 478
Crucigenia alternans 498
Crucigenia apiculata 435, 479
Crucigenia apiculata var. *truncata* 479
Crucigenia appendiculata 456
Crucigenia cruciata 479
Crucigenia crucifera 479
Crucigenia fenestrata **435**, 436, 479
Crucigenia irregularis 479
Crucigenia lauterbornii **435**, 436
Crucigenia minima 474
Crucigenia multiseta 488
Crucigenia pulchra 479
Crucigenia quadrata 474
Crucigenia quadrata fo. *octagona* 474
Crucigenia rectangularis 479
Crucigenia tetrapedia **435**, 436
Crucigenia tetrapedia 'forma *asymmetrica*' 435
Crucigenia truncata 479
CRUCIGENIELLA 373, 435, **478**
Crucigeniella apiculata 436, 478, **479**
Crucigeniella crucifera 436, **479**
Crucigeniella irregularis 436, **479**
Crucigeniella pulchra 479
Crucigeniella rectangularis 436, **479**
Crucigeniella truncata 453, 478, **479**
Crucigeniella wilhelmii 453, **479**
Crumenula playfairiana 200
Crumenula texta 203
Crustacea(ns) 19, 184, 366, 413, 456
CRYPTOCHLORIS 240
CRYPTOGLENA 182, 183, **184**
Cryptoglena angulosa 405
Cryptoglena cordiformis 284
Cryptoglena pigra **184**
Cryptoglena skujae 184, **185**, 201
CRYPTOMONADS 228, 240, 241, 244, 245, 247
CRYPTOMONAS 240, 241, 242, 244, **245** 246,
Cryptomonas anomala **246**, 248
Cryptomonas coerulea 245
Cryptomonas curvata 245, **246**, 248
Cryptomonas cylindracea **246**, 248
Cryptomonas dubia 361
Cryptomonas erosa 245, **246**, 248
Cryptomonas erosa var. *reflexa* 246
Cryptomonas lenticularis 403
Cryptomonas marssonii **246**, 248
Cryptomonas obovata 247, 248
Cryptomonas ovata 245, **246**, 248
Cryptomonas platyuris 246, **247**, 248
Cryptomonas pyrenoidifera 246, **247**, 248
Cryptomonas reflexa 245
Cryptomonas richei 246, **247**, 248
Cryptomonas socialis 399
Cryptomonas stigmatica 246, **247**, 248
Cryptomonas tetrapyrenoidosa 246, **247**, 248
CRYPTOPHYTA 2, 27, 28, 30, 240, 275
CTENOCLADALES 410
CTENOPHORA 350
CUSPIDOTHRIX 119, 126, 130
Cuspidothrix issatschenkoi **130**, 133

844 TAXONOMIC INDEX

- CYANOBACTERIA Pl. 7, 4, 8, 20, 24, 27, 28, 31, 34, 57, 367, 573
- CYANOBIUM 75
- CYANOCYSTIS 56, 58
- Cyanocystis aquae-dulcis 56, 65
- Cyanocystis hemisphaerica 56, 73
- Cyanocystis olivacea 56, 73
- Cyanocystis prasina 59
- Cyanocystis sphaeroidea 58
- Cyanocystis violacea 57
- CYANODERMATIUM 57
- Cyanodermatium fluminense 57, 74
- CYANODICTYON 57
- Cyanodictyon iac 57, 74
- Cyanodictyon imperfectum 57
- Cyanodictyon reticulatum 57, 65
- Cyanomonas baltica 245
- CYANONEPHRON 57
- Cyanonephron styloid 57
- CYANOPHORA 766
- Cyanophora paradoxa 766
- CYANOPHYCEAE 36
- CYANOPHYTA 2, 27, 29, 31
- CYANOTHECE 35, 58, 75
- Cyanotheca aeruginosa 34, 58, 70, 75, 76
- Cyanotheca major 58
- CYATHOMONAS 241, 242, 247
- CYCLIDIOPSIS 183
- CYCLONEXIS 281, 290
- Cyclonexis annularis 289, 290
- Cyclonexis erinus 289, 290
- Cyclonexis uraliensis 289, 290
- Cyclops 184
- CYCLOSTEPHANOS 350, 353
- CYCLOTELLA 350, 353
- CYLINDROCAPSA 371, 471, 529
- Cylindrocapsa conferta 529, 562
- Cylindrocapsa geminella 529
- Cylindrocapsa geminella var. minor 529, 562
- Cylindrocapsa involuta 529, 562
- CYLINDROCYSTIS 366, 609, 611, 614
- Cylindrocystis acanthospora 609, 600
- Cylindrocystis brebissonii 609, 612
- Cylindrocystis brebissonii fo. curvata 609, 610
- Cylindrocystis brebissonii fo. turgida 610
- Cylindrocystis brebissonii var. curvata 609
- Cylindrocysts brebissonii var. jeneri 610
- Cylindrocystis brebissonii var. minor 610
- Cylindrocystis brebissonii var. turgida 609, 610, 612
- Cylindrocystis crassa 609, 610, 612
- Cylindrocystis crassa var. elliptica 610
- Cylindrocystis cushleackae 609, 610, 612
- Cylindrocystis debaryi 609, 610
- Cylindrocystis diplospora 637
- Cylindrocysts diplospora subsp. maior 637
- Cylindrocystis gracilis 609, 610, 612
- Cylindrocystis jeneri 609, 610
- Cylindrocystis obesa 609, 610
- CYLINDROSPERMOPSIS 126
- Cylindrospermopsis raciborskii 126
- CYLINDROSPERMUM 32, 38, 39, 130
- Cylindrospermum alatosporum 130, 131
- Cylindrospermum catenatum 130, 131
- Cylindrospermum catenatum var. marchicum 131
- Cylindrospermum licheniforme 130, 131, 132
- Cylindrospermum majus 130, 131
- Cylindrospermum marchicum 130, 131
- Cylindrospermum minutissimum 130, 131, 132
- Cylindrospermum muscicola 130, 131, 132
- Cylindrospermum stagnale 130, 131, 132
- CYLINDROTHERCA 351
- CYMATOCOCCUS 419
- CYMATOPLEURA 351
- CYMBELLA 349, 351
- CYMBELLONITZSCHIA 359
- CYMBELLOPSIS 351, 353
- CYMBOPLEURA 351, 353
- Cystococcus humicola 414, 500
- CYSTODINIUM 251, 252, 257, 271
- Cystodinium brevipes 271
- Cystodinium cornifax 271, 273
- Cystodinium iners 271
- Cystodinium steinii 271
- Dactylococcopsis irregularis 460
- Dactylococcopsis montana 75
- Dactylococcopsis planctonica 74
- Dactylococcopsis smithii 74
- Dactylococcus 485
- Dactylococcus bicaudatus 485
- Dactylococcus bicaudatus var. exilis 485
- Dactylococcus bicaudatus var. subramosus 485
- Dactylococcus caudatus var. bicaudatus 429
- Dactylococcus dispar 485
- Dactylococcus infusionum 458
- Dactylococcus lacustris 435
- Dactylococcus raphidioides 485, 486
- Daphnia 19, 456
- Daphnia pulex 83
- DEBARYA 370, 526, 577, 579
- Debarya calospora 587
- Debarya cruciata 607
- Debarya desmidioides 607
- Debarya glyptosperma 577, 578
- Debarya laevis 583
- Debarya smithii 586
- DECUSSATA 352, 353
- DENTICULA 276, 351
- Derepyxis ampullacea 308
- Derepyxis macrotrachela 308
- DERMATOCHRYISIS 282, 290, 302
- Dermatochrysis pseudofenestrata 287, 290
- DERMOCARPA 35, 46, 56, 58, 59
- Dermocarpa aquae-dulcis 56
- Dermocarpa enteromorphae 58
- Dermocarpa hemisphaerica 56
- Dermocarpa kernerii 77
- Dermocarpa leibleiniae 46
- Dermocarpa olivacea 56
- Dermocarpa violacea 57
- Dermocarpa rosea 77
- Dermocarpa sphaerica 75
- Dermocarpa sphaeroidea 58
- Dermocarpa violacea 57, 77
- DERMOCARPELLA 59, 73
- Dermocarpella gilleyae 77
- Dermocarpella leibleiniae 46
- Dermocarpella prasina 59, 73
- DESMATRACTUM 369
- Desmatriactum bipyramidatum 412, 414
- DESMID(S) 2, 3, 7–12, 22, 529, 532, 576, 608–611, 615, 616, 620, 632, 636, 638, 653, 677, 680, 683, 687, 691, 727, 734, 739
- DESMID(S): PLACODERM 576, 615,
- DESMID(S): SACCODERM 480, 510
- DESMIDIACEAE 10, 634, 697
- DESMIDIAE 9
- DESMIDIINEAE 576, 615, 636
- DESMIDIALES 364
- DESMIDIUM 366, 734
- Desmidium aptogonum 735, 737
- Desmidium aptogonum var. acutius 738
- Desmidium aptogonum var. ehrenbergii 738
- Desmidium baileyi 738
- Desmidium borreri 737
- Desmidium coarctatum 738
- Desmidium coarctatum var. cambricum 738
- Desmidium cylindricum 737
- Desmidium graciliceps 737
- Desmidium grevillei 735, 737
- Desmidium occidentale 738
- Desmidium pseudostreptonema 735, 737
- Desmidium quadrangulatum 738
- Desmidium quadratum 738
- Desmidium quadratum var. graciliceps 737
- Desmidium swartzii 735, 737
- Desmidium swartzii var. amblyodon 738
- DESMOCOCCUS 367, 419, 468, 525, 530
- Desmococcus olivaceum 530, 558
- Desmococcus vulgaris 530
- DESMODESMUS 373, 420, 435, 469, 500
- Desmodesmus abundans 420, 439, 440, 446
- Desmodesmus aculeolatus 437, 439, 440
- Desmodesmus armatus 420, 437, 438, 439, 441, 444
- Desmodesmus armatus var. bicaudatus 420, 438, 441
- Desmodesmus arthrodesmiformis 420, 437, 438, 441
- Desmodesmus asymmetricus 439, 440, 441
- Desmodesmus bicaudatus 438, 439, 441
- Desmodesmus bicellularis 437, 441, 453
- Desmodesmus brasiliensis 420, 437, 441
- Desmodesmus caudato-aculeolatus 437, 438, 442
- Desmodesmus communis 420, 439, 440, 442, 445
- Desmodesmus costato-granulatus 437, 442, 443
- Desmodesmus denticulatus 437, 440, 442
- Desmodesmus dispar 437, 438, 442
- Desmodesmus flavescens 438, 439, 443
- Desmodesmus grahneisii 437, 443, 443
- Desmodesmus granulatus 437, 443, 443
- Desmodesmus hystrix 438, 437, 443, 443
- Desmodesmus insignis 439, 440, 443
- Desmodesmus intermedius 437, 440, 443

- Desmodesmus
intermedius var.
acutispinus 440, **445**
- Desmodesmus intermedius
var. balatonicus 440, **445**
- Desmodesmus kissii 438,
440, **445**
- Desmodesmus magnus 438,
439, **445**
- Desmodesmus microspina
439, 440, **445**
- Desmodesmus opoliensis 438,
439, **445**
- Desmodesmus opoliensis var.
carinatus 440, **445**
- Desmodesmus opoliensis var.
mononensis 440, **446**
- Desmodesmus pannonicus
439, 440, **446**
- Desmodesmus perforatus
445, **446**
- Desmodesmus protuberans
439, 440, **446**
- Desmodesmus serratus 437,
443, **446**
- Desmodesmus subspicatus
420, 439, **446**
- Desmodesmus subspicatus
var. bicaudatus **446**
- DESMONEMA 130
- DESMOSIPHON 152, **153**
- Desmosiphon incrustans **153**
- Desmosiphon maculans **153**
- Desmosiphon vivieri **153**
- DIACANTHOS 488
- Diacanthos belenophorus*
480, 488
- DIACRONEMA 277
- Diacronema vlkianum 278, **279**
- DIADESMIS 351
- DIATOMA 350
- DIATOMACEAE 9, 348
- DIATOMELLA 351
- DIATOM(S) 1–3, 6, 9–12, 15,
23–25, 29, **348**, 349, 350,
352, 353, 357
- DIATOMS: CENTRIC 348,
350, 353
- DIATOMS: PENNATE 348, 350
- DICELLULA 369, **480**
- Dicellula geminata 459, **480**
- Dicellula inermis* 482
- Dicellula planktonica 480
- Diceras chodatii* 306
- Diceras longispina* Pl. 7A, 306
- Diceras skujai* 288
- DICHOTHRUX Pl. 3D, 38, 83,
131, 134, 143
- Dichothrix baueriana Pl. 8B,
132, **134**, 135
- Dichothrix baueriana var.
minor **134**
- Dichothrix calcarea 135
- Dichothrix gypsophila Pl. 5A,
132, **134**, 135
- Dichothrix interrupta **134**
- Dichothrix meneghiniana **134**
- Dichothrix nordstedtii* 83
- Dichothrix orsiniana Pl. 5A,
83, 132, **134**, 135
- DICHOTOMOCOCCUS
373, 414
- Dichotomococcus curvatus
414, 436
- Dichotomococcus*
elongatus 414
- DICRANELLA 106
- DICRANOCHAETALES 566
- DICRANOCHAETE 366, **566**
- Dicranochaete britannica
552, **566**
- Dicranochaete reniformis
552, **566**
- Dicranochaete reniformis* var.
laevis 566
- DICTYOCHLORIS 367, **415**
- Dictyochloris fragrans 412,
415
- DICTYOCOPHYCEAE
281, 310
- DICTYOCOCCUS 325, 367,
370, 415
- Dictyococcus varians 412, 415
- Dictyosphaeriopsis* 417
- DICTYOSPHAERIUM 373,
480
- Dictyosphaerium anomalum
480
- Dictyosphaerium
chlorelloides 417, 432, 480,
481
- Dictyosphaerium
ehrenbergianum 448, **481**
- Dictyosphaerium granulatum
448, 480, **481**
- Dictyosphaerium*
minutum 481
- Dictyosphaerium planctonica*
416
- Dictyosphaerium pulchellum
448, 480, **481**
- Dictyosphaerium pulchellum
var. minutum 481
- Dictyosphaerium pulchellum*
var. ovatum 481
- Dictyosphaerium reniforme*
447
- Dictyosphaerium simplex 349
- Dictyosphaerium subsolitaria
480
- Dictyosphaerium terrestre **481**
- Dictyosphaerium
tetrachotomum 448, 480,
481
- Didymidium braunii* 655
- Didymocladon furcigerus 703
- Didymocladon longispinum*
712
- Didymocladon sexangulare*
716
- DIDYMOCYSTIS 373, **482**
- Didymocystis bicellularis* 441
- Didymocystis grahneisii* 433
- Didymocystis inconspicua* 442
- Didymocystis inermis 459,
482
- Didymocystis lineata* 442
- Didymocystis planktonica*
466
- Didymocystis tuberculata 482
- DIDYMOGENES 373, **482**,
488
- Didymogenes anomala 459,
482, 488
- Didymogenes palatina 459,
482
- Didymoprium grevillei* 737
- DIDYMOSPHENIA 351
- DILABIFILUM 372, 530
- Dilabifilum arthropryreniae 530
- Dilabifilum printzii 527, **530**
- DIMORPHOCOCCUS 373,
446
- Dimorphococcus lunatus **447**,
448
- DINOBYRYON 11, 14, 282,
290, 295, 297, 367, 377, 386,
387, 411, 459
- Dinobryon acuminatum 316
- Dinobryon alpinum* 291
- Dinobryon bavaricum **291**, 293
- Dinobryon bavaricum var.
vanhoeffenii **291**, 293
- Dinobryon borgei **290**, **291**, 293
- Dinobryon calyciforme **290**,
291, 293
- Dinobryon condensatum* 295
- Dinobryon crenulatum **290**,
291, 293
- Dinobryon cylindricum **291**,
293
- Dinobryon cylindricum var.
alpinum **291**, 293
- Dinobryon cylindricum var.
cylindricum 292
- Dinobryon cylindricum var.
palustre **292**, 294
- Dinobryon cylindricum* var.
pediforme 191
- Dinobryon cylindricum* var.
schauinslandii 292
- Dinobryon divergens **291**, **292**,
294, 411
- Dinobryon divergens var.
divergens 292
- Dinobryon divergens* var.
pediforme 292
- Dinobryon divergens var.
schauinslandii **292**, 294
- Dinobryon eurystoma* 297
- Dinobryon eurystoma* var.
proteus 297
- Dinobryon korshikovii 316
- Dinobryon pediforme **291**,
292, 294
- Dinobryon proteus* 297
- Dinobryon protuberans* 292
- Dinobryon protuberans* var.
pediforme 292
- Dinobryon schauinslandii* 292
- Dinobryon sertularia **291**, **292**,
294
- Dinobryon sertularia* var.
alpinum 291
- Dinobryon sertularia* var.
protruberans 292
- Dinobryon sertularia* var.
schauinslandii 292
- Dinobryon sociale **291**, **292**,
Dinobryon sociale fo.
stipitatum 292
- Dinobryon sociale var.
americanum **292**, 294
- Dinobryon sociale* var.
bavaricum 291
- Dinobryon sociale var.
stipitatum **292**, 294
- Dinobryon stipitatum* 292
- Dinobryon stipitatum* var.
americanum 292
- Dinobryon stipitatum* ssp.
bavaricum 291
- Dinobryon stipitatum* var.
bavaricum 291
- Dinobryon succicium **291**,
293
- Dinobryon succicium var.
longispinum 291, 316
- Dinobryon tabellariae* 297
- Dinobryon tubulosum* 297
- Dinobryon undulatum* 299
- Dinobryon utriculus* 298
- Dinobryon utriculus* var.
acutum 298
- Dinobryon utriculus* var.
tabellariae 297
- Dinobryon vanhoeffenii* 291
- Dinobryopsis undulata* 299
- DINOCOCCUS 251, 252, **271**
- Dinococcus oedogonii **271**, **273**
- DINOFLAGELLATE(S) 2, 4, 5,
28, **250**, 251, 259, 260, 272,
419, 498
- DINOPHYTA 2, 27, 28, 29,
250, 251, 275
- Diplochaete lamellosa* 567
- Diplochlois lunata 415
- Diplocystis novaceki 69
- Diplocystis viridis 69
- Diplocystis wesenbergii 69
- DIPLONEIS 351
- Diplonema rupicola 149
- Diplonemids 181
- DIPLOSPHAERIA 530
- DIPLOSTAUROON 368, **395**,
401
- Diplostauron elegans 396, **397**
- Diplostauron elephas **397**
- Diplostauron haccardii 397
- Diplostauron panduriforme
395, 396, **397**, **401**
- Diplostauron pentagonium
396, **397**
- Diplostauron platyrhynchum
396, **397**
- DISCOSTELLA 350
- Dispora wilhelmii* 479
- DISTIGMA 182, **232**
- Distigma proteus 182, 229, **232**
- Distigma sennii 229, **232**
- DISTIGMOPSIS 232
- DISTRIONELLA 350

846 TAXONOMIC INDEX

- DOCIDIUM 365, 676,
Docidium baculum 624,
 676, 677
Docidium coronatum 696
Docidium ehrenbergii 696
Docidium minutum 686
Docidium nodosum 696
Docidium nobile 676
Docidium tridentulum 697
Docidium truncatum 697
Docidium undulatum 676,
 676, 736
Docidium undulatum var.
perundulatum 676
DOLICHOSPERMUM 119
Douglas-fir 570
DRAPARNALDIA 7, 372, 379,
 530
Draparnaldia acuta 530
Draparnaldia glomerata Pl. 2F,
 530, 549
Draparnaldia mutabilis 530
Draparnaldia mutabilis var.
pulchella 530
Draparnaldia plumosa 530
Drilosiphon julianus 148
Dryopteris 571
Duckweed(s) 15, 253, 413,
 477, 529, 532, 558
DYSMORPHOCOCCUS 368,
 397, 407
Dysmorphococcus coccifer
 398, 404
Dysmorphococcus fritschii 398
Dysmorphococcus variabilis
 398, 404
Dysphinctium annulatum 464

ECBALLOCYSTIS 415
Ecballocystis fluitans 415, 427
Echinosphaerella limnetica
 418
ECTOCARPALES 354, 355
ECTOCARPUS 355
Ectocarpus sessilis 342
ECTOCHAETE 531
Ectochaete endophyticum 532
ECTOSPERMA 336
Ectosperma clavata 344
Ectosperma cruciata 338
Ectosperma geminata 341
Ectosperma racemosa 342
ELAKATOTHRIX 374,
 529, 531
Elakatothrix acuta 531, 559
Elakatothrix gelatinosa
 531, 559
Elakatothrix gelatinosa var.
aplanospora 531, 559
Elakatothrix genevensis 531
Elakatothrix lacustris 468
ELLERBECKIA 350
ELLIPSOIDION 319, 326
Ellipsoidion acumdatum 347
Ellipsoidion stichococcoides
 322, 326
Elodea 477
Emiliania huxleyi 277
ENALLAX 373, 421, 447
Enallax acutiformis var.
costatus 421
Enallax costatus 444, 447
Enchelys deses 189
Enchelys viridis 197
ENCYONEMA 351, 353
ENCYONOPSIS 351, 353
ENDOCOLONIUM 551
Endoclonium chroolepiforme
 511
Endoclonium rivulare 551
ENDODERMA 531
Endoderma cladophorae
 532
Endoderma jadinianum 532
ENTEROMORPHA 58, 76,
 370, 575
Enteromorpha flexuosa 1
Enteromorpha flexuosa subsp.
pilifera 575
Enteromorpha intermedia 575
Enteromorpha intestinalis
 575
Enteromorpha pilifera 575
Enteromorpha pilosa 575
Enteromorpha prolifera 575
ENTOCLADIA 372, 531
Entocladia cladophorae
 532, 536
Entocladia endophytica 532,
 536
Entocladia polymorpha 532
ENTOMONEIS 351
ENTOPHYSALIS 59
Entophysalis conferta 50
Entophysalis granulosa 59, 73
ENTOSIPHON 182, 236
Entosiphon polyaulax 236,
 237, 238
Entosiphon sulcatus 182, 236,
 237
ENTOTHRIX 175
ENTRANSIA 554
EOLIMNA 352
Epichrysis paludosa 288
EPICLADIA 531
EPIPYXIS 282, 292
Epipyxis anglica 295, 296
Epipyxis calyciformis 291
Epipyxis condensata 295, 296
Epipyxis diplostoma 295, 296
Epipyxis eurystoma 297
Epipyxis gracilis 295, 296
Epipyxis kenaiensis 295, 296
Epipyxis kodiakensis 295, 296
Epipyxis lauterbornii 295, 296
Epipyxis lauterbornii var.
mucicola 295, 296, 297
Epipyxis polymorpha 295, 296,
 297
Epipyxis proteus 295, 296, 297
Epipyxis ramosa 295, 296, 297
Epipyxis singoalikensis 295,
 296, 297
Epipyxis sinuosa 295, 296, 297
Epipyxis tabellariae 295, 296,
 297
Epipyxis tubulosa 295, 297 296
Epipyxis turgida 295, 296, 298
Epipyxis utriculus 292, 296,
 298,
Epipyxis utriculus var. *acuta*
 295, 296, 298
EPITHEMIA 351
Equisetum 742
EREMOSPHAERA 370, 482
Eremosphaera eremosphaeria
 483
Eremosphaera gigas 449, 482
Eremosphaera gigas fo.
incrassata 483
Eremosphaera gigas fo.
minor 483
Eremosphaera viridis 449, 482,
 483
Eriophorum 44
Erkenia subaequiciliata 279
ERRERELLA 488
Errerella bornhemiensis 488
Erythroclathrus rivularis 180
Ettlia alveolaris 477
EUCAPSIS 59
Eucapsis alpina Pl. 6A, 59,
 65, 79
Eucapsis alpina var. *minor* 59
Eucapsis minor 59
EUASTROPSIS 372, 447
Euastropsis richteri 447, 459
EUASTRUM 366, 447, 677
Euastrum aboense 685
Euastrum amoenum 680
Euastrum ampullaceum 624,
 678, 679
Euastrum ansatum 624,
 678, 679
Euastrum ansatum var.
dideltiforme 679
Euastrum ansatum var.
simplex 679
Euastrum bidentatum 678,
 679, 684
Euastrum bidentatum var.
glabrum 679
Euastrum bidentatum var.
speciosum 679, 684
Euastrum binale 678, 679,
 680, 684
Euastrum binale fo.
gutwinski 679
Euastrum binale var.
gutwinskii 679, 684
Euastrum binale var.
insulare 681
Euastrum binale var. *sectum*
 685
Euastrum boldtii 685
Euastrum brevisinuosum 685
Euastrum brevisinuosum var.
dissimile 685
Euastrum celatum 654
Euastrum cornubiense 685
Euastrum crassangulatum 685
Euastrum crassangulatum var.
ornatum 685
Euastrum crassicolle 685
Euastrum crassum 678, 680,
 684
Euastrum crassum var.
scrobiculatum 680
Euastrum crispulum 685
Euastrum cuneatum 624, 678,
 680
Euastrum denticulatum 678,
 680, 684
Euastrum denticulatum var.
granulatum 680
Euastrum didelta 624, 678, 680
Euastrum divaricatum 685
Euastrum dubium 678, 680,
 685, 736
Euastrum dubium var.
anglicanum 686
Euastrum dubium var.
cambrese 686
Euastrum dubium var.
ornatum 680, 682, 686
Euastrum elegans 678,
 680, 684
Euastrum elegans var.
inermis 681
Euastrum elegans var.
ornatum 683
Euastrum elegans var.
pseudelegans 686
Euastrum elegans var.
speciosum 679
Euastrum elobatum 686
Euastrum elobatum var.
subelobatum 686
Euastrum erosum 679, 681, 686
Euastrum erosum var.
granulosum 681, 682
Euastrum gayanum 678,
 681, 682
Euastrum gemmatum 678,
 681, 682
Euastrum groenbladii 686
Euastrum humerosum 686
Euastrum humerosum var.
affine 686
Euastrum inermis 678, 681, 736
Euastrum insigne 678,
 681, 736
Euastrum insulare 678, 681,
 736
Euastrum insulare var.
parvum 686
Euastrum intermedium 686
Euastrum jenneri 686
Euastrum lacustre 686
Euastrum laticolle 686
Euastrum montanum 686
Euastrum obesum 686
Euastrum oblongum 678, 683,
 684
Euastrum oblongum var.
cephalophorum 683
Euastrum oblongum var.
depauperatum 683
Euastrum pectinatum 679,
 683, 684
Euastrum pectinatum var.
inevolutum 683

- Euastrum pictum* 686
Euastrum pingue 678, 682, **683**
Euastrum pinnatum 678, **683**, 684
Euastrum pulchellum 678, 682, **683**
Euastrum richteri 447
Euastrum sendtnerianum 686
Euastrum sinuosum 686
Euastrum subalpinum 686
Euastrum subalpinum var. *crassum* 686
Euastrum sublobatum 686
Euastrum turneri 678, 682, **683**
Euastrum validum 678, 682, **685**
Euastrum validum var. *glabrum* 685
Euastrum ventricosum Pl. 2L, 678, **685**, 736
Euastrum venustum 673
Euastrum verrucosum 678, 684, **685**
Euastrum verrucosum var. *alatum* 682, **685**
Euastrum verrucosum var. *coarctatum* 686
Euastrum verrucosum var. *planctonicum* 684, **685**
EUCAPSIS 59
Eucapsis alpina Pl. 6, 59
Eucapsis alpina var. *minor* 59
Eucapsis minor 59
Eucarteria 383
EUCOCCONEIS 351
EUDORINA 368, 381, **398**, 410
Eudorina charkowiensis 402
Eudorina elegans **398**, 408
Eudorina peripheralis 398
Eudorina pluricocca 398
Eudorina stagnale 398
Eudorina unicocca 388, **398**
Eudorina unicocca var. *peripheralis* 398
Eudorina unicocca var. *unicocca* 398
EUGLENA 183, 185, 205, 206, 213, 214, 227, 231
Euglena acus 187, 198
Euglena acus fo. *mutabilis* 194
Euglena acus var. *rigida* 198
Euglena acutissima 198
Euglena adhaerens 186, **187**, 192
Euglena agilis 185, **187**, **188**
Euglena agilis var. *circumsulcata* 187
Euglena agilis var. *praexcisica* 187
Euglena agilis var. *pyrenoidea* 187
Euglena agilis var. *varians* 187
Euglena anabaena 186, **187**, **188**
Euglena anabaena var. *minima* 187
Euglena anabaena var. *minor* 187
Euglena caudata 186, **187**, 189, 191, 194
Euglena caudata var. *minor* 187
Euglena chlamydotheca 185, 186, **187**, 188
Euglena clara 186, **187**, 188
Euglena clavata 186, **189**, 193
Euglena communis 186, **189**, 191
Euglena contabrica 186, **189**, 192
Euglena cuneata 186, **189**, 192
Euglena cyclopicola 184
Euglena deses 186, **189**, 192
Euglena deses fo. *intermedia* 186, **189**
Euglena deses fo. *klebsii* 186, **189**, 192
Euglena ehrenbergii 185, 188, **190**
Euglena ehrenbergii var. *africana* 190
Euglena ehrenbergii var. *minor* 190
Euglena elastica 186, **190**, 192
Euglena elongata 185, 188, **190**
Euglena fronsundulata 203
Euglena fusca 198
Euglena fusca var. *marchica* 198
Euglena fusiformis 198
Euglena geniculata 181, 186, **190**, 192
Euglena geniculata var. *terricola* 186, **190**, 192
Euglena gigas 200
Euglena gracilis 182, **190**, 191
Euglena granulata 186, 189, 191, **194**
Euglena granulata var. *polymorpha* 195
Euglena haematodes 195
Euglena heimii 190
Euglena helicoidus 155
Euglena hemichromata 185, 188, **194**
Euglena hispidula 210
Euglena intermedia 189
Euglena intermedia var. *klebsii* 189
Euglena klebsii 189
Euglena laciniata 186, 193, **194**
Euglena lata **198**
Euglena limnophila 185, **194**, 199
Euglena limnophila var. *minor* 194
Euglena limnophila var. *swirenkoi* 185, **194**, 199
Euglena longicauda 210
Euglena longissima 198
Euglena magnifica 186, 191, **194**
Euglena mutabilis 182, 190, 192
Euglena nana 187
Euglena oblonga 186, 191, **195**
Euglena obtusa 186, 191, **195**
Euglena ovum 200
Euglena oxyuris 195, 200
Euglena oxyuris var. *helicoidea* 200
Euglena oxyuris fo. *maior* 200
Euglena oxyuris var. *maior* 200
Euglena phacoides 196
Euglena pisciformis 187
Euglena pisciformis var. *fallax* 187
Euglena pisciformis var. *lata* 187
Euglena pisciformis var. *mucronata* 187
Euglena pisciformis var. *obtusa* 187
Euglena pisciformis var. *procera* 187
Euglena pisciformis var. *striata* 187
Euglena polymorpha 186, 191, **195**
Euglena proxima 185, 188, **195**
Euglena pseudospiroides 203
Euglena pyrum 204
Euglena quartana 232
Euglena repulsans 185, 186, 188, **195**
Euglena rubra 195
Euglena sanguinea 186, 191, **195**
Euglena schmitzii 190
Euglena sociabilis 186, 193, **196**
Euglena smulkowskiana 212
Euglena spathirhyncha 193, 196
Euglena spirogyra 181, 19, 200
Euglena spirogyra var. *fusca* 196, 198
Euglena splendens 186, 191, **196**
Euglena stellata 186, 193, **196**
Euglena subehrenbergii 190
Euglena swirenkoi 194
Euglena tatrix 187
Euglena terricola 190
Euglena texta 203
Euglena torta 203
Euglena tripteris 203
Euglena triquetra 213
Euglena tristellata 186, 193
Euglena trisulcata 203
Euglena variabilis 185, 188, **196**
Euglena velata 186, 191, **196**
Euglena velata var. *granulata* 194
Euglena viridis 186, 192, **197**
Euglena viridis var. *sanguinea* 195
EUGLENALES 182, 183
EUGLENAMORPHA 239
EUGLENAMORPHALES 182, **239**
EUGLENIDA 181
EUGLENOIDS 3, 28, 181
EUGLENOPHYTA 2, 27, 29, **181**, 275
EUGLENOPHYTE(S) 2, 5, 15, 16, 21, 23, 27, 181, 183
EUGLENOPSIS 183
EUNOTIA 361
Eunotia bilunaris 349
EUSTIGMATALES 346
EUSTIGMATOPHYTA 2, 28, 30, **346**
EUSTIGMATOPHYTES 358
EUTETRAMORUS 433
Eutetramorus fottii 433
Eutetramorus planktonicus 434
Eutetramorus polycoccus 434
EUTREPTIA 182, **232**
Eutreptia viridis 199, **232**
EUTREPTIALES 182, 183, **232**
EUTREPTIELLA 182, 232
FALCOMONAS 244
FALLACIA 351
Fern(s) 15, 371, 553, 571
FERNANDINELLA 367, 427, **447**
Fernandinella alpina var. *semiglobosa* 447
Fishera muscicola 153
FISCHERELLA 153, 155
Fischerella laminosus 153, 156
Fischerella muscicola **153**
FISTULIFERA 352, 353
Flexibacteria 95, 99
FLORIDIOPHYCEAE 159
Fontinalis 15
fox-tails stonewort 757
FRAGILARIA 349, 350
FRAGILARIFORME 350
FRANCEIA 369, 480, **483**
Franceia amphitricha **483**, 487
Franceia breviseta **483**, 487
Franceia droescheri 483
Franceia elongata 483
Franceia geminata 480
Franceia ovalis **483**, 487
Franceia radians 483
Franceia tenuispina 497
Franceia tuberculata 480
FRUSTULIA 351
FUCOPHYTA 29
FUCUS 136
FUNGUS 367
FURCILLA 368, **398**
Furcilla stigmatophora 396, **399**
GAYELLA 541
Gayella polyrhiza 541
GEISSLERIA 352, 353
GEITLEREA 152
GEITLERINEMA 79, 95
Geitlerinema acutissimum 95
Geitlerinema amphibium 95
Geitlerinema splendidum 100
Geitlerinema unigranulatum 95
GELATINARIA 167

848 TAXONOMIC INDEX

- GEMELLYCYSTIS* 378
Gemellycystis lundii 378
GEMINELLA 371, **532**, 542
Geminella interrupta 532, 559
Geminella minor 533, 559
Geminella monospora 533
Geminella mutabilis 533, 559
Geminella ordinata 533, 559
Geminella paradoxa 557
Geminella protogenita 533
Geminella spiralis 546, 547
GEMINELLOPSIS 542
GENICULARIA 365, **633**
Genicularia elegans 633, 736
Genicularia spirotaenia 633
Geochrysis turfosa 298
Geosiphon pyriforme 38
GLAUCOCYSTIS 766
Glaucozystis duplex 767
Glaucozystis nostochinearum 27, 42, 766
Glaucozystis oocystiformis 767
GLAUCOPHYTA 2, 27, 29, 766
Glaucothrix gracillima 107
Glaucosphaera vacuolata 766
GLENODINIOPSIS 250, 252, 262
Glenodiniopsis steinii 262
Glenodiniopsis uliginosa 262, 273
GLENODINIUM 250–252, 262, 265
Glenodinium aciculiferum 266
Glenodinium apiculatus 265
Glenodinium borgei 265
Glenodinium cinctum 258, 264
Glenodinium cornifax 271
Glenodinium eurystomum 253
Glenodinium foliaceum 264
Glenodinium helicozoster 264
Glenodinium inaequale 264
Glenodinium leptodermum 264
Glenodinium limos 264
Glenodinium lomnickii 270
Glenodinium neglectum 261
Glenodinium oculatum 266
Glenodinium pulvisculus 264, 273
Glenodinium punctulatum 264
Glenodinium uliginosum 262
GLOCHIOCOCCUS 498
GLOEBOTRYS 319, **328**
Gloeobotrys coenococcoides 322, **328**
Gloeobotrys limneticus 323, **328**
GLOEOCAPSA 37, **59**, 60
Gloeocapsa alpina 60, 61, 62
Gloeocapsa ambigua 60
Gloeocapsa atrata 60
Gloeocapsa caldariorum 60
Gloeocapsa chroococcoides 60
Gloeocapsa compacta 60, 62
Gloeocapsa confluens 429
Gloeocapsa crepidinum 60, 62
Gloeocapsa helvetica 52
Gloeocapsa limneticus var. *distans* 52
Gloeocapsa magma 32, 60, 62
Gloeocapsa nigrescens 62
Gloeocapsa polydermatica 60, 450
Gloeocapsa polydermatica 60, 61, 62
Gloeocapsa punctata 60, 62
Gloeocapsa ralfsii 62
Gloeocapsa sanguinea Pl. 5C, 60, 61, 62, 137
GLOEOCAPSOPSIS 59, 60
Gloeocapsopsis chroococcoides 60
Gloeocapsopsis crepidinum 62, 71
Gloeocapsopsis magma 62
GLOEOCHAETE 374, 766, 767
Gloeochaete wittrockiana 380, 767
GLOEOCHRYSIS 282, **298**
Gloeochrysis turfosa 287, **298**
GLOEOCYSTIS 374, 375, 377, 447
Gloeocystis ampla 356
Gloeocystis gigas 450
Gloeocystis infusionum 376, 414, 450
Gloeocystis polydermatica 450
Gloeocystis rupestris 450
Gloeocystis vesiculosa 450
Gloeocystopsis limneticum 491
GLOEODINIUM 272
Gloeodinium montanum 272, 273
GLOEOMONAS 384, 407
GLOEOTAENIUM 372, **483**
Gloeotaenium loitlesbergerianum 428, 483
GLOEOTHECE Pl. 3A, Pl. 5A, 62
Gloeothece confluens 63, 73
Gloeothece dubia 63, 73
Gloeothece fusco-lutea 63
Gloeothece linearis Pl. 6E, 61, 62, 63
Gloeothece membranacea 62, 63
Gloeothece palea 63
Gloeothece rupestris 46, 63, 73
Gloeothece subtilis 62, 63
GLOEOTILA 371, **533**
Gloeotila contorta 546
Gloeotila monospora 533, 559
Gloeotila mucosa 533
Gloeotila pelagica 547
Gloeotila protogenita 533, 559
Gloeotila scopulina 556
Gloeotila spiralis 546
Gloeotila spiroides 546
Gloeotila subconstricta 533, 559
Gloeotila tectorum 526
GLOEOTILOPSIS 538
GLOEOTRICHIA 34, 130, 135, 372
Gloeotrichia echinulata Pl. 7F, 135, 146
Gloeotrichia natans 135, 146, 551
Gloeotrichia pisum 135, 146, 357
Gloeotrichia punctulata 135, 146
GOLDEN(-BROWN) ALGAE 2, 28, 281
GOLENKINIA 369, **450**, 488
Golenkinia botryoides 488
Golenkinia brevispina 4
Golenkinia chlorelloides 484
Golenkinia longispina 484
Golenkinia minutissima 484
Golenkinia parvula 484, 488
Golenkinia paucispina 450, 487
Golenkinia punctifera 497
Golenkinia radiata 450, 487
Golenkinia radiata var. *brevispina* 450
Golenkinia radiata var. *longispina* 450
GOLENKINIACEAE 425
GOLENKINIOPSIS 369, **484**, 488, 490
Golenkiniopsis chlorelloides 484, 487
Golenkiniopsis longispina 484, 487
Golenkiniopsis minutissima 484
Golenkiniopsis parvula 484, 488
GOMONTIA 76, 371, **533**
Gomontia aegagropila 527, 533
Gomontia codiolifera 534
Gomontia perforans 7
GOMPHOCYMBELLA 351
GOMPHOCYMBELLOPSIS 351, 353
GOMPHONEIS 351
GOMPHONEMA 351, 353
GOMPHOSPHAERIA 40, 64
Gomphosphaeria aponina 61, 64
Gomphosphaeria aponina var. *delicatula* 64
Gomphosphaeria lacustris 75
Gomphosphaeria pusillum 56
Gomphosphaeria salina 64
Gomphosphaeria virieuxii 64
GOMPHOSPHAERIOIDEAE 40
GOMPHOSPHEMIA 351
GONATOBlaste 525
Gonatoblaste rostrata 526
Gonatonema boodlei 580
Gonatonema ventricosum 586
GONATOZYGON 365, 616, 633
Gonatozygon aculeatum 633, 634, 682
Gonatozygon aculeatum var. *groenbladii* 634
Gonatozygon brebissonii 612, 634
Gonatozygon brebissonii var. *kjellmanii* 634
Gonatozygon brebissonii var. *laeve* 633
Gonatozygon brebissonii var. *minutum* 612, 634
Gonatozygon brebissonii var. *vulgare* 633
Gonatozygon kinahanii 612, 633, 634
Gonatozygon minutum 634
Gonatozygon monotaenium 612, 634
Gonatozygon monotaenium var. *pilosellum* 634
Gonatozygon pilosum 634
GONGROSIRA 372, **534**, 544
Gongrosira debaryana 7, 534, 535
Gongrosira fluminensis 534, 535, 537
Gongrosira incrustans 84, 534, 535, 537
Gongrosira papuasica 534, 535, 537
Gongrosira pseudoprostrata 534, 537
Gongrosira schmidlei 534, 535, 537
Gongrosira sclerococcus 537
Gongrosira scourfieldii 534, 535, 537
Gongrosira stagnalis 534, 535, 538
Gongrosira terricola 543
Gongrosira viridis 537
GONIOCHLORIS 319, **328**, 332
Goniochloris fallax 320, 328, 472
Goniochloris mutica 320, 328
Goniochloris sculpta 320, 328
Goniochloris smithii 320, 328
GONIOMONAS 241, 242, 247
Goniomonas truncata 243, 244, 247
GONIUM 368, 381, **399**
Gonium pectorale 399, 404
Gonium sacculifera 381
Gonium sociale 399, 404
Gonium tetras 399
GONYAULACALES 250, **261**
GONYAULAX 271
GONYCLADON 175
GONYOSTOMUM 275, 276
Gonyostomum semen Pl. 2H, 275, 278
GRANULOCYSTIS 491
GRANULOCYSTOPSIS 375, 484, 491
Granulocystopsis coronata 484
Granulocystopsis decorata 449, 484, 485
Granulocystopsis pseudocoronata 484, 485
GREEN ALGA(E) 2, 7, 9, 11, 12, 19, 21, 22, 35, 29, 364, 365, 410, 505

- Green Bacteria 5
GROENBLADIA 366, 734, 738
Groenbladia neglecta 738, 740
Groenbladia undulata 738, 740
Groenbladia undulata var. *kriegeri* 738
Groenbladia undulata var. *perundulata* 682, 738
Gungnir kasakii 393
Gunnera manicata 38
GYMNODINIALES 250
GYMNODINIUM 250, 252, 259, 264, 271
Gymnodinium aeruginosum 251, 253, 254
Gymnodinium
amphidinioides 260
Gymnodinium blax 257
Gymnodinium chiasmoporum 253, 254
Gymnodinium cneoides 253, 254
Gymnodinium colymbeticum 252, 253, 254
Gymnodinium coronatum 260
Gymnodinium discoidale 253, 254
Gymnodinium excavatum 252
Gymnodinium fungiforme 257
Gymnodinium fuscum 253, 253, 254
Gymnodinium helveticum 257
Gymnodinium
hippocastanum 256, 267,
Gymnodinium impar 256
Gymnodinium inversum 253, 255, 256
Gymnodinium neglectum 261
Gymnodinium palustre 252, 253, 256, 267
Gymnodinium paradoxum 255, 256
Gymnodinium paradoxum var. *major* 256
Gymnodinium
pseudopalustre 252
Gymnodinium rotundatum 256, 257
Gymnodinium rufescens 256, 257
Gymnodinium saginatum 253, 256, 267
Gymnodinium tenuissimum 260
Gymnodinium triceratum 253, 255, 256
Gymnodinium tylotum 261
Gymnodinium uberrimum 253, 255, 256
Gymnodinium vorticella 195
Gymnozyga moniliformis 734
GYRODINIUM 251, 252, 257
Gyrodinium helveticum 252, 255, 257
Gyromitus disomatus 280
Gyropaigne kosmos 181
GYROSIGMA 351
HAEMATOCOCCUS 29, 368, 399, 407
Haematococcus droebakensis 394, 400
Haematococcus droebakensis var. *fastigatus* 400
Haematococcus lacustris 400
Haematococcus pluvialis Pl. 2B, 25, 282, 394, 400
Haematococcus sanguineus 62
HAFNIOMONAS 368, 400
Hafniomonas botryodes 400
Hafniomonas reticulata 400, 404
HALLASIA 579
HANNAEA 349, 350
HANTZSCHIA 351
HAPALOSIPHON Pl. 8C, 38, 152, 153, 155
Hapalosiphon fontinalis 154, 155
Hapalosiphon hibernicus 154, 155
Hapalosiphon intricatus 154, 155
Hapalosiphon laminosus 156
HAPLOTAENIUM 365, 686, 695
Haplotaenium minutum 624, 686
Haplotaenium minutum var. *crassum* 682, 686
Haplotaenium rectum 624, 686
Haplotaenium rectum var. *foesteri* fo. *elongatum* 686
Haplotaenium rectum var. *rectissimum* 686
HAPTOPHYCEAE 279
HAPTOPHYTA 2, 28, 30, 277
HARIOTINA 451
Hariotina reticulatum 432, 451
HASLEA 277
Hassallia byssoidea 149
Hedera helix 476
HEGEWALDIA 484, 488
Hegewaldia parvula 484, 488
HEGNERIA 239
HEIMANSIA 366, 686
Heimansia pusilla 686, 732
‘*HELICODICTYON*’ 371, 372
‘*Helicodictyon planctonicum*’ 538
HEMIDINIUM 251, 252, 272
Hemidinium nasutum 272, 273
HEMISELMIS 240
HEMITOMA 368, 400, 402
Hemitoma meandrocystis 400, 404
HERIBAUDIELLA 355, 357
Heribaudiella fluviatilis 354, 355, 356, 357
HERIBAUDIELLALES 355, 357
HERPOSTEIRON 525
Herposteiron globosum 564
Herposteiron pilosissima 525, 526
Herposteiron polychaete 526
Herposteiron repens 526
Herposteiron repens var. *gracilis* 526
HETEROCHLAMYDOMONAS 368, 401
Heterochlamydomonas rugosa 388, 401
HETEROCOCCUS 318, 328
Heterococcus chodatii 335, 328
Heterococcus viridis 335, 328
HETEROLAGYNIUM 308
Heterolagynium oedogonii 308
HETEROLEIBLEINIA 36, 79, 81, 86, 90
Heteroleibleinia epiphytica 82, 90
Heteroleibleinia infixa 82, 83
Heteroleibleinia kossinskajae 82, 98
Heteroleibleinii kuetzingii 82, 89, 91
Heteroleibleinia pusilla 82, 83, 98
Heteroleibleinia rigidula 82, 83, 98
Heteroleibleinia thornensis 82, 83
HETEROMASTIX 361, 368
Heteromastix angulata 361
HETERONEMA 182, 236, 238
Heteronema acus 237, 238
Heteronema acutissima 229, 238
Heteronema hexagonum 237, 238
Heteronema scaphurum 229, 238
Heteronema sulcata 236
HETERONEMATALES 182, 183, 236
HETEROTHRIX 318, 334
Heterothrix exilis 334
Heterothrix quadrata 334
HIBBERDIA 288, 306, 308
Hibberdia magna 307, 308
HIBBERDIALES 160, 281, 282, 306
Hierella boryana 460
HILDENBRANDIA 5, 159, 160, 161, 180
Hildenbrandia rivularis 19, 179, 180, 357
HILDENBRANDIALES 161, 180
HILDENBRANDTIA 180
HILLEA 240
HIPPODONTA 349, 352, 353
Hippuris 484
HOFMANIA 435, 456
Hofmania appendiculata 456
Hofmania lauterbornii 435
holly 571
HOLOPEDIDIUM 68
Holopedium irregulare 68
HOMOEOTHRIX 34, 36, 78, 80, 81, 83, 84
Homoeothrix balearica 83
Homoeothrix balearica var. *tenuis* 83
Homoeothrix caespitosa 80, 83, 135
Homoeothrix crustacea 84, 85
Homoeothrix fusca 84, 85
Homoeothrix juliana 84, 85
Homoeothrix rubra 83, 84, 85
Homoeothrix varians 84, 85
HORMIDIELLA 554
HORMIDIUM 555
Hormidium crenulatum 555
Hormidium nitens 557
Hormidium mucosum 556
Hormidium rivulare 557
Hormidium scopulinum 556
Hormiscia aequalis var. *cateniformis* 553
Hormiscia moniliforme 553
Hormiscia subtilis var. *variabilis* 553
Hormiscia zonata 554
HORMOSPORA 532
Hormospora interrupta 532
Hormospora minor 532
Hormospora mutabilis 532
Hormospora ordinata 532
Hormospora pellucida 66
HORMOTILA 374, 415
Hormotila mucigena 416, 427
HORSETAIL 742
HYALOBRACHION 382
Hyalobrachion omphalatos 382
Hyalobryon diplostomum 295
Hyalobryon decipiens 208
Hyalobryon lauterbornii 295
Hyalobryon lauterbornii var. *mucicola* 297
Hyalobryon mucicola 297
Hyalobryon polymorphum 297
Hyalobryon ramosum 297
HYALODISCUS 350
HYALOGONIUM 293
Hyalogonium fusiforme 293
Hyalophacus ocellatus 210
HYALOTHECA 366, 734, 738
Hyalotheca dissiliens 735, 738, 739
Hyalotheca dissiliens var. *hians* 739
Hyalotheca dissiliens var. *tatrica* 739
Hyalotheca indica 739
Hyalotheca mucosa 735, 738, 739
Hyalotheca neglecta 738
Hyalotheca undulata 738
Hyalotheca undulata var. *perundulata* 738
HYDRA 367

850 TAXONOMIC INDEX

- Hydra viridis 475
 HYDRIANUM 366, 416
Hydrianum acutum 324
Hydrianum coronatum 416, 427
Hydrianum pyriforme 326
 HYDROCOCCUS 64
Hydrococcus cesatii 64, 73
Hydrococcus marinus 64
Hydrococcus rivularis 64, 65
 HYDROCOLEUM 84
Hydrocoleum brebissonii 84, 87
Hydrocoleum glutinosum 84, 98, 86
Hydrocoleum heterotrichum 84, 86, 87
Hydrocoleum lynbyaceum 84, 86, 87
 HYDROCORYNE 136
Hydrocoryne spongiosa 132, 136
 Hydrodictyaceae 460
 HYDRODICTYON 14, 372, 451, 472
Hydrodictyon africanum 451
Hydrodictyon indicum 451
Hydrodictyon major 451
Hydrodictyon patenaeforme 451
Hydrodictyon pentagonum 451
Hydrodictyon reticulatum Pl. 2], 427, 451
Hydrodictyon utriculatum 451
Hydrococcus 560
 HYDROSERA 350
 HYDRURALES 281, 308
 HYDRURUS 308, 310
Hydrurus foetidus 309, 310
 HYELLA 66
Hyella balanii 66, 72
Hyella caespitosa 66, 72
Hyella fontana 66, 72
 HYGROPETRA 352
 HYMENOMONAS 279, 280, 282
Hymenomonas danubiensis 280
Hymenomonas flava 280
Hymenomonas preantii 280
Hymenomonas roseola 278, 280
Hymenomonas roseola fo. *glabra* 280
Hymenomonas scherffellii 280
Hymenomonas stagnicola 280
 HYMENOPHYLLUM 570
 HYPNUM 477
 HYSGINUM 399

Ineffigiata neglecta 499
 INTERFILUM 557
Interfilum paradoxum 557
Interfilum paradoxum var. *reticulatum* 557, 558
 ISACTIS 136, 143
Isactis plana 1136, 146
Isochrysis maritima 279

Isococcus 384
Isococcus sphagnicola 392
 ISTHMOCHLORON 319, 329
Isthmochloron lobulatum 322, 328, 472
Ismochloron trispinatum 322, 328, 344
 ivy 570

Jaaginema metaphyticum 97
Jaaginema subtilissimum 100
 JAGIELLA 530
 JANETOSPHAERA 409
Janetosphaera aurea 409
 JOHANNESBAPTISTIA 66
Johannesbaptistia pellucida 66, 73
 JURANYIELLA 375, 484
Juranyiella javorkae 449, 484

 KARAYEVIA 351
 KATODINIUM 250, 251, 252, 257, 264
Katodinium campylops 258, 257
Katodinium fungiforme 258, 257
Katodinium hyperxanthoides 257
Katodinium hyperxanthum 258, 257
Katodinium molopicum 258, 257
Katodinium ptyrticum 259
Katodinium tetragonops 258, 257
Katodinium vorticella 258, 257
 KENTROSPHAERA 477
Kentrosphaera bristolae 477
Kentrosphaera facciolae 477
Kentrosphaera grandis 447
 KEPHYRION 282, 298
Kephyrion boreale 299, 316
Kephyrion cupuliforme 299, 316
Kephyrion elegans 299, 316
Kephyrion ellipsoideum 298
Kephyrion littorale 298, 300
Kephyrion littorale var. *constricta* 299, 300
Kephyrion moniliferum 298, 299, 300
Kephyrion rubri-claustri 298, 299, 300
Kephyrion skujae 316
Kephyrion spirale 316
 KEPHYRIOPSIS 298
Kephyriopsis elegans 316
Kephyriopsis ellipsoidea 299
Kephyriopsis ovum 299
Kephyriopsis ruttneri 299
 KERATOCOCCUS 367, 429, 456, 485, 496
Keratococcus bicaudatus 459, 485
Keratococcus bicaudatus var. *exilis* 485
Keratococcus bicaudatus var. *subramosus* 485
Keratococcus braunii 429
Keratococcus dispar 459, 485
Keratococcus dybowskii 458
Keratococcus raphidioides 485, 486
Keratococcus suecicus 453, 485
 KHAWKINEA 145, 182, 183
Khwakinea fritschii 193
Khwakinea pertyi 193
Khwakinea quartana 193
 KIRCHNERIA 451
Kirchneria contorta 452
Kirchneria contorta var. *gracillima* 452
Kirchneria irregularis 455
Kirchneria rotunda 455
Kirchneria subcapitata 455
 KIRCHNERIELLA 375, 451, 452, 460, 490, 491
Kirchneriella aperta 452, 454
Kirchneriella contorta 452, 454
Kirchneriella danubiana 432, 452
Kirchneriella elongata 452
Kirchneriella gracillima 452
Kirchneriella incurvata 452, 454, 455
Kirchneriella intermedia 455
Kirchneriella irregularis 452, 454, 455
Kirchneriella javorkae 485
Kirchneriella lunaris 452, 454, 455
Kirchneriella lunaris var. *irregularis* 454
Kirchneriella obesa 452, 454, 455
Kirchneriella obesa var. *aperta* 452
Kirchneriella obesa var. *contorta* 452
Kirchneriella obesa var. *pygmaea* 452
Kirchneriella obtusa 434
Kirchneriella rotunda 432, 452, 455
Kirchneriella subcapitata 432, 452, 455
Kirchneriella subsolitaria 491
 KLEBSIELLA 183
 KLEBSORMIDIALES 525, 546, 554
 KLEBSORMIDIPHYCEAE 364, 554
 KLEBSORMIDIUM 371, 555
Klebsormidium crenulatum 555, 556, 561
Klebsormidium dissectum 555, 561
Klebsormidium flaccidum 555, 556, 561
Klebsormidium fluitans 555, 556
Klebsormidium klebsii 556, 557, 561
Klebsormidium mucosum 555, 556, 561
Klebsormidium nitens 556, 557
Klebsormidium rivulare 557, 561, 564
Klebsormidium subtile 555, 556, 561, 564
Klebsormidium subtilissimum 556
 KOBAYASIA 352
 KOBAYASIELLA 352
 KOLBESIA 351
 KOLIELLA 371, 538, 539
Koliella longiseta 538, 559
Koliella sempervirens 424, 425
Koliella spiculiformis 538, 561
Koliella spirotaenia 538
 KOMAREKIA 373, 435, 456
Komarekia appendiculata 436, 456
Komarekia lauterbornii 435
 KOMMA 244
Komma caudata 244
 KOMPHOVORON 95
Komvophoron schmidlei 108
 KORSHIKOVIELLA 366, 425, 456
Korshikoviella judayi 425
Korshikoviella *michailovskoensis* 456, 457
 KRASKELLA 350
 KHAWKINEA 231
Khwakinea fritschii 231, 193
Khwakinea hallii 231
Khwakinea pertyi 231, 193
Khwakinea quartana 232, 193
Khwakinea solea 232
 KUMANOA 171
 KYRTUTHRIX 152
Kyrtuthrix dalmatica 152

 LAGERHEIMIA 369, 469, 486
Lagerheimia amphitricha 483
Lagerheimia chodatii 486, 487
Lagerheimia ciliata 486, 487, 488
Lagerheimia citrififormis 486, 487, 488
Lagerheimia genevensis 486, 489
Lagerheimia longiseta 486, 488, 489
Lagerheimia quadriseta 486
Lagerheimia subsalsa 486, 488, 489
Lagerheimia wratislaviensis 486, 488, 489
Lagerheimia wratislavensis var. *trisetigera* 488
 LAGYNIUM 306, 308
Lagynium ampullaceum 307, 308
Lagynium macrotrachelum 307, 308
Lagynium scherffellii 307, 308
Lambertia judayi 425

- Lambertia michailovskiensis* 456
- LAMPROTHAMNIUM 365, 742, 743, 756
- Lamprothamnium papulosum 742, 756, 758
- LAMPROTHAMNUS 742
- Laurel 571
- Leda capucina* 580
- Leguminosae 452
- Leibleinia (subgenus) 81
- LEIBLEINIA 86
- Leibleinia agardhii* 90
- Leibleinia epiphytica* 93
- Leibleinia meneghiniana* 92
- Leibleinia nordgaardhii* 82, 92
- LEMANEA 159, 160, 161, 175, 357
- Lemanea corallina* 175
- Lemanea fluviatilis* 175, 176
- Lemanea fucina* 175, 177
- Lemanea mamillosa* 175
- Lemanea rigida* 175
- Lemanea subtilis* 175
- Lemanea torulosa* 178
- LEMANEACEAE 169
- LEMANELLA 175
- Lemna 15, 159, 253, 477, 529, 554, 558
- Lemna minor 413, 477, 532
- Lemna trisulca 477
- LEMNICOLA 351
- LEPOCINCLIS 182, 183, 197, 206
- Lepocinclis acicularis 197, 198, 202
- Lepocinclis acus 198, 199
- Lepocinclis caudata 197, 198, 201
- Lepocinclis fusca 196, 198, 199
- Lepocinclis fusiformis 197, 198, 200, 201
- Lepocinclis globosa 197, 198, 202
- Lepocinclis marssonii 197, 198, 202
- Lepocinclis ovata* 204
- Lepocinclis ovum 197, 200, 201
- Lepocinclis oxyuris 195, 198, 199, 200
- Lepocinclis oxyuris fo. major 198, 199
- Lepocinclis playfairiana 197, 200, 201
- Lepocinclis pseudo-ovum 197, 200, 202
- Lepocinclis salina 197, 200, 202
- Lepocinclis sphagnophila* 198
- Lepocinclis spirogyroides 182, 196, 198, 199, 200
- Lepocinclis steinii 197, 201, 203
- Lepocinclis steinii var. suecica 197, 201, 203
- Lepocinclis teres 197, 201, 203
- Lepocinclis texta 196, 197, 199, 203
- Lepocinclis tripteris 196, 198, 199, 203
- Lepraria infusionum 414
- Lepraria olivacea* 530
- Leptocystinema kinahanii 634
- LEPTOLYNGBYA 36, 80, 86, 105, 106
- Leptolyngbya angustissimum* 101
- Leptolyngbya battersii* 107
- Leptolyngbya boryana* 107
- Leptolyngbya calothrichoides* 107
- Leptolyngbya ectocarpus* 103
- Leptolyngbya foveolarum* 103
- Leptolyngbya fragilis* 103
- Leptolyngbya gracillima* 107
- Leptolyngbya golenkiniana* 107
- Leptolyngbya lagerheimii* 91
- Leptolyngbya laminosa* 104
- Leptolyngbya lurida* 104
- Leptolyngbya mucicola* 109
- Leptolyngbya norvegica* 107
- Leptolyngbya nostocorum* 108
- Leptolyngbya notata* 108
- Leptolyngbya ochracea* 91
- Leptolyngbya tenuis* 105
- Leptolyngbya terebrans* 108
- LEPTOSIRA 372, 539, 542, 543
- Leptosira mediciana 535, 539, 543
- Leptosira terrestris* 539, 543
- Leptosira terricola* 543
- LEPTOSIROPSIS 539
- Lepraria infusionum* 414
- Lichen(s) 2, 4, 5, 6, 17, 38, 60, 137, 357, 367, 475, 500, 574, 579
- Limnaea 534
- Limnaea peregra 538
- Limnococcus 51
- LIMNOTHRIX 36, 79, 80, 95
- Limnothrix amphigranulata 95
- Limnothrix meffertae 80
- Limnothrix obliqueacuminata 111
- Limnothrix redekei* 80, 95, 109
- Liverworts 5
- Lithoderma fluviatile* 357
- Lithoderma fontanum* 357
- Lithoderma zonatum* 357
- Littorella 113
- LOBOCHLAMYS 381
- LOBOCYSTIS 373, 416
- Lobocystis dichotoma* 416
- Lobocystis planctonica* 416, 448
- Lobocystis planktonica* var. *mucosa* 416
- LOBOMONAS 368, 395, 401
- Lobomonas ampla 396, 401
- Lobomonas ampla var. *okensis* 396, 401
- Lobomonas denticulata 410
- Lobomonas francei 396, 401
- Lobomonas gracilis 388, 401
- Lobomonas pentagonia* 397
- Lobomonas piriformis* 401
- Lobomonas rostrata 396, 401
- LUTICOLA 352
- LYCHNOTHAMNUS 742, 743, 744
- LYNGBYA 31, 35, 36, 39, 78, 79, 81, 84, 86, 92, 93, 106, 107, 108, 114, 115
- Lyngbya aeruginea-coerulea* 88
- Lyngbya aestuarii* 79, 88, 89, 91, 99
- Lyngbya agardhii* 88, 90, 91
- Lyngbya birgei* 86
- Lyngbya bipunctata* 90
- Lyngbya bornetii* 86, 117
- Lyngbya cliarensis* 93
- Lyngbya confervoides* 88, 90
- Lyngbya contorta* 88, 89, 90
- Lyngbya diguetii* 88, 89, 90, 93
- Lyngbya epiphytica* 82, 88, 89, 90
- Lyngbya epiphytica* 109
- Lyngbya gracilis* 88, 89, 90, 91
- Lyngbya infixia* 82
- Lyngbya kossinskajae* 82
- Lyngbya kuetzingii* 82, 91
- Lyngbya lagerheimii* 88, 89, 91
- Lyngbya limnetica* 91
- Lyngbya lutea* 88, 89, 91
- Lyngbya lutescens* 88, 91
- Lyngbya nordgaardhii* 92
- Lyngbya maior* 89, 91
- Lyngbya majuscula* 86, 88, 89, 91
- Lyngbya martensiana* 89, 92
- Lyngbya meneghiniana* 88, 91, 92
- Lyngbya nigra* 92
- Lyngbya nordgaardii* 82
- Lyngbya ochracea* 88, 89, 92
- Lyngbya purpurea* 86
- Lyngbya pusilla* 83
- Lyngbya putealis* 93
- Lyngbya rigidula* 83
- Lyngbya rivulariarum* 88, 92
- Lyngbya semiplena* 88, 89, 92, 93
- Lyngbya sordida* 88, 93
- Lyngbya spirulinoides* 89, 93
- Lyngbya taylorii* 86
- Lyngbya thornensis* 83
- Lyngbya vandenberghenii* 88, 89, 93
- Lyngbya versicolor* 88, 93
- Macrochloris dissecta* 411
- MALLOMONAS 310
- Mallomonas acaroides 313
- Mallomonas acaroides* var. *crassisquama* 311
- Mallomonas adamas 313
- Mallomonas akrokomos 309, 311
- Mallomonas alata 313
- Mallomonas allorgei 313
- Mallomonas alpina 313
- Mallomonas anglica 313
- Mallomonas annulata 313
- Mallomonas calceolus 313
- Mallomonas caudata* 309, 311
- Mallomonas clavus 313
- Mallomonas costata 313
- Mallomonas crassisquama* 311, 314
- Mallomonas cratis 313
- Mallomonas doignonii 313
- Mallomonas eoa 313
- Mallomonas flora 313
- Mallomonas hamata* 309, 311
- Mallomonas heterospina* 309, 311
- Mallomonas insignis* 309, 310, 311
- Mallomonas intermedia 313
- Mallomonas leboimeii* 311, 313, 314
- Mallomonas lelymene 313
- Mallomonas limnicola 313
- Mallomonas longiseta 313
- Mallomonas lichenensis 313
- Mallomonas majorensis 315, 317
- Mallomonas mangofera 313
- Mallomonas mangofera* var. *foveata* 313
- Mallomonas matvienkoae 313
- Mallomonas multiunca 311, 312, 313
- Mallomonas ouradion 313
- Mallomonas oviformis 313
- Mallomonas papillosa 313
- Mallomonas papillosa* var. *ellipsoida* 313
- Mallomonas papillosa* var. *monilifera* 313
- Mallomonas parvula 313
- Mallomonas paxillata 313
- Mallomonas peronoides 313
- Mallomonas phasma 313
- Mallomonas pillula 313
- Mallomonas pillula* fo. *exannulata* 313
- Mallomonas pillula* fo. *valdiviana* 313
- Mallomonas pugio 313
- Mallomonas pumilio 313
- Mallomonas pumilio* var. *silvicola* 313
- Mallomonas punctifera 312, 313
- Mallomonas reeuwykiana 317, 331
- Mallomonas reginae* 311, 313
- Mallomonas schwemmlei 315
- Mallomonas splendens 315
- Mallomonas striata 315
- Mallomonas striata* var. *serrata* 315
- Mallomonas teilingii* 311, 312, 313
- Mallomonas tolerans 315
- Mallomonas tonsurata* 311, 312, 313
- Mallomonas transsylvanica 313, 314
- MAMIELLALES 360

852 TAXONOMIC INDEX

- MARTYANA 350
 MARVANIA 490
 Marvania coccoides 490
 Marvania geminata 490
 Massartia campylops 257
Massartia hyperxantha 257, 259
Massartia hyperxanthoides 257, 259
Massartia molopica 259
Massartia pyrtica 259
Massartia tetragonops 259
Massartia vorticella 259
 MASTIGOCCLADUS 155
 Mastigocladus laminosus 153, 155, 156
 MASTIGOCOLEUS 156
 Mastigocoleus testarum 156
 MASTOGLOIA 351
 MAYAMAEA 352, 353
Melodinium uberrimum 256
 MELOSIRA 350
 Melosira italica 10
 MENOIDIUM 182, 233
 Menoidium bacillatum 233
 Menoidium bibacillatum 235
Menoidium bipartitum 234
Menoidium costatum 234
Menoidium incurvum 234
 Menoidium intermedium 233, 235
Menoidium longum 234
 Menoidium obtusum 233, 235
 Menoidium pellucidum 182, 233
Menoideum seminularis 234
 Menoideum tortuosum 233, 235
 Mentha aquatica 525
 MERIDION 350
 MERRILLOSPHAERA 409
Merillosphaera tertia 409
 MERISMOPEDIA 4, 32, 39, 66, 68
 Merismopedia convoluta 67
 Merismopedia elegans Pl. 5D, 53, 67
Merismopedia geminata 68
 Merismopedia glauca 53, 67, 68
 Merismopedia punctata 67
Merismopedia revoluta 67
 Merismopedia tenuissima 67
 Merismopedia trolleri 67
Merismopedium irregulare 68
Merismopedium subulicolum 68
 Merismopedia warmingiana 68
Mesocarpus angustus 580
Mesocarpus depressus 583
Mesocarpus nummuloides 583
Mesocarpus ovalis 585
Mesocarpus parvulus 585
Mesocarpus recurvus 585
Mesocarpus scalaris 585
 MESOSTIGMA 358, 363, 369
 Mesostigma grandis 363
 Mesostigma viride 359, 363
 MESOSTIGMATALES 363
 MESOSTIGMATOPHYCEAE 364
 MESOTAENIACEAE 576, 609
 MESOTAENIUM 365, 610
Mesotaenium braunii 611
 Mesotaenium caldariorum 611, 612
 Mesotaenium
 chlamydosporum 611, 612
 Mesotaenium
 chlamydosporum var. violascens 611
 Mesotaenium degreyi var. breve 611
 Mesotaenium degreyi fo. major 611
 Mesotaenium degreyi fo. tenuis 611
 Mesotaenium endlicherianum 611
Mesotaenium
 endlicherianum var. *caldariorum* 611
 Mesotaenium endlicherianum var. grande 611
 Mesotaenium kramstae 611
 Mesotaenium macrococcum 611, 612
Mesotaenium macrococcum var. *micrococcum* 611
 Mesotaenium macrococcum var. minus 611
 Mesotaenium mirificum 611
 Mesotaenium truncatum 611
Mesotaenium violascens 611
 MICRACTINIUM 373, 484, 488
 Micractinium belenophorum 480, 487, 488
 Micractinium bornhemiense 453, 488
Micractinium eriense 490
Micractinium parvulum 484, 488
Micractinium paucispinosum 450
 Micractinium pusillum 25, 488, 489
Micractinium pusillum var. *longisetum* 490
Micractinium pusillum var. *mucosa* 490
 Micractinium quadrisetum 474, 488, 489, 490
Micractinium radiatum 450
 MICRASTERIAS 12, 366, 488, 687
 Micrasterias americana 684, 687, 688
 Micrasterias americana var. boldtii 695
 Micrasterias apiculata 688, 688, 689
 Micrasterias apiculata var. fimbriata 691
 Micrasterias brachyptera 688, 688, 689
 Micrasterias conferta 688, 689, 691
 Micrasterias crenata 695
 Micrasterias crux-melitensis 687, 690, 691
 Micrasterias denticulata 688, 690, 691, 693
 Micrasterias denticulata var. angulosa 695
Micrasterias denticulata var. *notata* 693
Micrasterias falcatus 424
 Micrasterias fimbriata 688, 690, 691
 Micrasterias fimbriata var. spinosa 688, 695
 Micrasterias furcata 687, 689, 691
 Micrasterias furcata var. dichotoma 695
 Micrasterias furcata var. evoluta 695
 Micrasterias furcata var. pseudo-crux 695
 Micrasterias jenneri 687, 690, 691
 Micrasterias
 mahabuleshwarensis 687, 692
 Micrasterias
 mahabuleshwarensis var. dichotoma 692, 695
 Micrasterias
 mahabuleshwarensis var. europaea 692, 695
 Micrasterias
 mahabuleshwarensis var. wallichii 687, 692, 740
 Micrasterias oscitans 684, 687, 692
 Micrasterias oscitans var. mucronata 695
 Micrasterias papillifera 688, 690, 692
 Micrasterias papillifera var. glabra 695
 Micrasterias pinnatifida 684, 687, 692
Micrasterias radiata 691
 Micrasterias radiosa 688, 690, 692, 740
 Micrasterias radiosa var. elegantior 689, 692
 Micrasterias radiosa var. murrayi 695
 Micrasterias radiosa var. ornata 695
Micrasterias radiosa var. *ornata* fo. *elegantior* 692
 Micrasterias rotata 687, 693
 Micrasterias rotata fo. maius 695
Micrasterias sol 692
Micrasterias tetras 465
 Micrasterias thomasiana 688, 690, 691, 693
 Micrasterias thomasiana fo. maius 695
 Micrasterias thomasiana var. notata 688, 690, 693
 Micrasterias truncata 684, 687, 693
 Micrasterias truncata var. bahusienis 689, 693
 Micrasterias truncata var. crenata 695
 Micrasterias truncata var. neodamensis 695
 Micrasterias truncata var. semiradiata 695
 Micrasterias verrucosa 688, 693, 694
Micrasterias wallichii 692
 MICROCHAETE 136
 Microchaete aeruginea 136
 Microchaete calothrichoides 136
 Microchaete diplosiphon 132, 136
 Microchaete diplosiphon var. cambrica 136
 Microchaete diplosiphon var. cumbrica 136
 Microchaete tenera 132, 137
 MICROCOLEUS Pl. 7C, 93
 Microcoleus acutirostris 94
 Microcoleus acutissimus 94
 Microcoleus chthonoplastes 92, 94
 Microcoleus delicatulus 94
 Microcoleus lacustris 87, 94
 Microcoleus subtorulosus 94
 Microcoleus tenerimus 87, 94
 Microcoleus vaginatus 87, 93, 94
 Microcoleus vouki 94
 MICROCROCIS 32, 39, 68
 Microcrocis geminata 68, 70
 Microcrocis irregularis 68
 Microcrocis subulicola 68
 MICROCYSTACEAE 60
 MICROCYSTIS 31, 34, 37, 40, 45, 75, 68, 109, 111
 Microcystis aeruginosa Pl. 4C, 11, 38, 53, 69
Microcystis delicatissima 41
Microcystis elachista 41
Microcystis flos-aquae 53, 69
Microcystis grevillei 41
Microcystis hansgiriana 41
 Microcystis ichthyolabe 69
Microcystis incerta 41
Microcystis litoralis 43
Microcystis marina 43
Microcystis microscopica 45
Microcystis minuta 43
Microcystis muscicola 43
 Microcystis novacekii 69
Microcystis parietina 43
Microcystis pulvereae fo. *delicatissima* 41
Microcystis pulvereae fo. *elachista* 41

- Microcystis pulvere* var. *incerta* 41
Microcystis reinboldii 43
Microcystis viridis 69
Microcystis wesenbergii 52, 69
Microglena butcheri 281, 284
MICROSPORA 14, 334, 370, 539
Microspora abbreviata 539, 562
Microspora aequabilis 541
Microspora amoena 334, 539, 541, 562
Microspora amoena var. *crassior* 540
Microspora amoena var. *gracilis* 539, 540
Microspora amoena var. *irregularis* 540
Microspora amoena var. *minor* 540
Microspora crassior 539, 562
Microspora elegans 540
Microspora floccosa 539, 540, 541, 562
Microspora fontinalis 564
Microspora fugacissima 541
Microspora irregularis 539, 540, 562
Microspora loefgrenii 540
Microspora pachyderma 539, 540, 562
Microspora palustris 541
Microspora quadrata 541
Microspora stagnorum 539, 540, 541, 562
Microspora tumidula 539, 540, 562
Microspora willeana 541
Microspora wittrockii 539, 541, 568
MICROSPORALES 28, 524
MICROTHAMNIALES 410, 541
MICROTHAMNION 372, 541, 542
Microthamnion
kuetzingianum 541, 552
Microthamnion strictissimum 541
Microthamnion vexator 541
MISCHOCOCCALES 321
MISCHOCOCCUS 319, 329
Mischococcus confervicola 323, 329
Mollusc(s) 15, 108, 152, 371, 530, 533
MONALLANTHUS 319, 329
Monallanthus brevicylindrus 322, 329
Monas semen 275
Monas truncata 247
MONODUS 346
Monodus ovalis 347
Monodus subterraneus 343, 347
MONOMASTIX 360
Monomastix minuta 359, 360
Monomastix opisthostigma 361, 391, 394
MONOMORPHINA 182, 183, 203
Monomorphina aenigmatica 201, 204
Monomorphina atractoides 204
Monomorphina cochleata 204
Monomorphina costata 204, 209
Monomorphina megalopsis 204
Monomorphina mirabilis 204
Monomorphina nordstedtii 204, 209
Monomorphina ovata 204
Monomorphina pseudonordstedtii 204
Monomorphina pulcherrima 204
Monomorphina pyrum 204, 209
Monomorphina pyrum var. *costata* 204
Monomorphina pyrum var. *pseudonordstedtii* 204
Monomorphina rudicola 204
Monomorphina splendens 204
Monomorphina striata 204
Monomorphina strongyla 204
MONORAPHIDIUM 369, 422, 424, 452, 456, 485, 496
Monoraphidium affixum 460
Monoraphidium arcuatum 457, 458, 470
Monoraphidium braunii 429
Monoraphidium contortum 457, 458, 460
Monoraphidium convolutum 456, 457, 458
Monoraphidium convolutum var. *pseudosabulosum* 458
Monoraphidium dybowskii 456, 458
Monoraphidium griffithii 424, 457, 458, 460
Monoraphidium irregulare 457, 458, 460
Monoraphidium litorale 457, 459, 460
Monoraphidium komarkovae 456, 457, 460
Monoraphidium minutum 457, 459, 459
Monoraphidium mirabile 453, 456, 458, 460
Monoraphidium obtusum 456, 459, 460
Monoraphidium pseudobraunii 461
Monoraphidium pusillum 456, 459, 460
Monoraphidium setiforme 460
Monoraphidium tortile 457, 458, 459, 460, 461
MONOSTROMA 370, 541, 542
Monostroma bullosum 542, 568
Monostroma membranaceum 542, 568
Monostroma oxyspermum 541, 542
moss(es) 5, 15, 17, 18, 44, 47, 49, 50, 51, 63, 76, 77, 82, 83, 86, 93, 94, 106, 113, 130, 139, 141, 142, 157, 158, 180, 573, 649, 702, 741, 767
MOUGEOTIA 7, 14, 27, 306, 334, 370, 526, 554, 576, 577, 579, 585, 602, 633
Mougeotia abnormis 579, 580, 582
Mougeotia adnata 586
Mougeotia angusta 579, 580, 581
Mougeotia boodlei 580, 580, 584
Mougeotia calcarea 579, 580, 582
Mougeotia calospora 586
Mougeotia capucina 579, 580, 584, 602
Mougeotia cyanea 579, 580, 582
Mougeotia depressa 579, 581, 583
Mougeotia elegantula 579, 583, 584
Mougeotia elegantula var. *microspora* 583
Mougeotia floridana 580
Mougeotia gelatinosa 579, 582, 583
Mougeotia genuflexa 579, 581, 583
Mougeotia glyptosperma 577
Mougeotia gracillima 580, 583, 584
Mougeotia laetivirens 579, 581, 583
Mougeotia laetivirens var. *varians* 586
Mougeotia laevis 579, 581, 583
Mougeotia mysorensis 586
Mougeotia nummuloides 579, 582, 583
Mougeotia oedogonioides 586
Mougeotia ovalis 579, 582, 585
Mougeotia paludosa 579, 582, 585
Mougeotia parvula 579, 581, 585
Mougeotia pawhuskiae 586
Mougeotia pulchella 579, 582, 585
Mougeotia quadrangulata 580, 584, 585
Mougeotia quadrata 585
Mougeotia recurva 579, 582, 585
Mougeotia recurva var. *scotia* 585
Mougeotia scalaris 579, 585
Mougeotia smithii 579, 582, 586
Mougeotia smithii 586
Mougeotia varians 579, 584, 586
Mougeotia ventricosa 580, 584, 586
Mougeotia virescens 580, 584, 586
Mougeotia viridis 580, 584, 586
MOUGEOTIOPSIS 370, 579, 596
Mougeotiopsis calospora 578, 586, 587
MUELLARIA 352
MURIELLA 367, 461
Muriella magna 412, 461
Muriella terrestris 412, 461
MYOCHLORIS 363, 369
Myochloris collorhynchus 359, 363
MYRIOPHYLLUM 15, 525, 554, 565, 703
Myriophyllum alterniflorum 602
Myriophyllum spicatum 6, 135
Myrtle 571
MYXONEMA 547
NAEGELIELLA 301
Naegeliella britannica 301
Naegeliella flagellifera 287, 301
Najas flexilis 760
Nannochloris coccoides 490
Nannochloris eucaryota 538
Nannochloris oculata 346
NAUTOCOCCUS 369, 416
Nautococcus caudatus 417
Nautococcus pyriformis 416, 417, 449
NAVICELLA 351
NAVICULA 349, 351–353
Navicula capitata 349
Navicula claytonii 352
NAVICULADICTA 352
NAVICYMBELLA 351, 353
NEGLECTELLA 282, 375, 490
Neglectella asterifera 487, 490
NEIDIOPSIS 352, 353
NEIDIUM 352
NEMALION 128
Neochloris alveolaris 477
NEONEMA 318, 329
Neonema pumilum 329, 335
NEPHROCHLAMYS 375, 460, 490
Nephrochlamys rostrata 432, 491
Nephrochlamys subsolitaria 491
NEPHROCYTIUM 375, 490, 491
Nephrocycium agardhianum 432, 491
Nephrocycium allantoideum 491

854 TAXONOMIC INDEX

- Nephrocytium closterioides* 466
Nephrocytium ecdysiscepanum 496
Nephrocytium limneticum 432, **491**
Nephrocytium lunatum 432, **491**
Nephrocytium naegelii 491
Nephrocytium obesum 496
 NEPHRODIELLA 319, **329**, 424
Nephrodiella lunaris 320, **329**
Nephrodiella nana 320, **329**
 NEPHROSELMIDALES 360
 NEPHROSELMIS 361, 363, 368
Nephroselmis angulata 361
Nephroselmis olivacea 359, **361**
 NETRIUM 366, **611**
Netrium digitus 611, 612, **613**
Netrium digitus var. *curtum* 614
Netrium digitus var. *lamellosum* 614
Netrium digitus var. *latum* **613**, 694
Netrium digitus var. *parvum* 614
Netrium digitus var. *rhomboideum* 614
Netrium interruptum 612, **613**
Netrium interruptum var. *minor* 614
Netrium interruptum var. *sectum* 614
Netrium naegelii 614
Netrium oblongum 611, 612, **613**
Netrium oblongum var. *angustatum* 614
Netrium oblongum var. *brevius* 614
Netrium oblongum var. *curvatum* 613
Netrium oblongum var. *cylindricum* 611, 612, **613**
Netrium oblongum var. *cylindricum* fo. *curvatum* 614
 NITELLA 365, 504, 566, 742, 743, 744, **756**, 762, 763
Nitella batrachosperma 760
Nitella capillaris 760, **762**
Nitella confervacea 760, 761
Nitella flexilis 759, **760**, 762
Nitella gracilis 759, **760**, 762, 763
Nitella gracilis var. *confervacea* 760
Nitella hyalina 760, **763**
Nitella mucronata 759, **760**, 762, 763
Nitella mucronata var. *gracillima* 759, 762
Nitella opaca 759, 760, **762**
Nitella opaca var. *attenuata* 762
Nitella spanioclema 760
Nitella syncarpa 757, 760, **762**
Nitella tenuissima 742, 756, 760, 761, **762**
Nitella translucens 760, 761, **762**, 765
 NITELLOPSIS 365, 742, 744, **763**
Nitellopsis obtusa 742, 755, 758, **763**
 NITZSCHIA 352, 353
Nitzschia palea 349
 NODULARIA 137, 175
Nodularia harveyana 137
Nodularia harveyana var. *sphaerocarpa* 137
Nodularia sphaerocarpa 137
Nodularia spumigena 137
 NOSTOC Pl. 3E, Pl. 7E, 32, 34, 38, 92, 119, **137**, 139, 357
Nostoc calcicola 138, 140
Nostoc carneum 138
Nostoc coeruleum 137, **138**, **139**
Nostoc coeruleum var. *planctonicum* 133, 138, **139**, 141
Nostoc commune Pl. 3B, 34, 38, 138, **139**, 141, 142
Nostoc commune var. *flagelliforme* 139
Nostoc cuticulare **138**, **140**
Nostoc cuticulare var. *ligericum* **140**
Nostoc ellipso sporum **140**
Nostoc entophyllum 138
Nostoc humifusum 138, **140**
Nostoc linckia **138**, **140**, 142
Nostoc macrosporium 140, 141
Nostoc microscopicum 138, **140**, 141
Nostoc minutum 137
Nostoc muscorum 138, **141**
Nostoc paludosum **138**, **141**
Nostoc parmelioides 137, 138, 141, 560
Nostoc piscinale **138**, 140, **141**
Nostoc planctonicum 139, 141
Nostoc pruniforme Pl. 3E, 137–139, **141**, 142
Nostoc punctiforme **141**
Nostoc rivulare 140
Nostoc sphaericum 137, **138**, 141, **142**
Nostoc sphaericum var. *planctonicum* Pl. 3E
Nostoc spongiaeforme **138**, **142**
Nostoc verrucosum Pl. 4B, 137, 138, 140, **142**
 NOSTOCACEAE 37, 118
 NOSTOCALES 37, 77, **118**
 NUPELLA 351
 oak 157, 611
 OCHROMONAS 4, 281, **301**, 302, 303
Ochromonas malhamensis 301, 302
Ochromonas ostreaeformis 289, **301**
Ochromonas pyriformis 289, **301**
Ochromonas tuberculata 289, 301
Ochromonas variabilis 289, **301**
Ochromonas verrucosa 293, **301**
 OCTACANTHIUM 329
Octacanthidium trispinatum 329
 OEDOCLADIUM 505
 OEDOGONIACEAE 505
 OEDOGONIALES 3, 29, 500
 OEDOGONIUM 6, 14, 27, 47, 90, 184, 295, 303, 308, 370, 415, 485, 500, 504, 526, 554
Oedogonium acrosporium 507, 523
Oedogonium ahlstrandii 507, 514
Oedogonium alternans 524
Oedogonium areschougii 505, **507**, **509**
Oedogonium borisianum 505, **507**, 522
Oedogonium boscii 505, **507**, 514
Oedogonium braunii 507, **508**, 522
Oedogonium calcareum 506, **508**, **516**
Oedogonium capillare 506, **508**, **516**
Oedogonium capilliforme 506, **508**, **516**
Oedogonium capitellatum 505, **508**, 509
Oedogonium cardiacum 506, **508**, **516**
Oedogonium cardiacum var. *carbonicum* **508**
Oedogonium ciliatum 507, **510**, 523
Oedogonium cleveanum 506, **510**, 513, 519
Oedogonium concatenatum 506, **510**, 519
Oedogonium concatenatum var. *hutchinsiae* **510**, 519
Oedogonium concatenatum var. *rectangulare* **510**, 519
Oedogonium contortum 507, **510**, 523
Oedogonium crassipellitum 515
Oedogonium crassiusculum 507, **510**, 522
Oedogonium crassiusculum var. *idioandrosporium* 515
Oedogonium crassum 506, **510**, 515, 516
Oedogonium crenulato-costatum **511**, 514
Oedogonium crispum **511**, 514
Oedogonium crispum fo. *obesum* **511**, 514
Oedogonium cryptoporum 505, **511**, 512
Oedogonium cryptoporum var. *vulgare* 511
Oedogonium curtum 505, **511**, 512, 524
Oedogonium curvum 505, 506, **511**, 512
Oedogonium cyathigerum 506, **511**, 519
Oedogonium cymatosporum 505, 512, **513**
Oedogonium decipiens 507, **513**, 523
Oedogonium decipiens var. *bernardense* 513
Oedogonium depressum 524
Oedogonium echinospermum 506, **513**, 519
Oedogonium excisum 506, **513**, 514
Oedogonium flavescens 507, **513**, 522
Oedogonium flexuosum 524
Oedogonium fragile 506, 512, **513**, 524
Oedogonium fragile var. *robustum* **513**
Oedogonium gallicum 524
Oedogonium giganteum **513**, 514
Oedogonium grande 515, 525
Oedogonium hexagonum 521
Oedogonium hirnii 505, 512, **515**
Oedogonium hutchinsiae 510
Oedogonium hystrix 506, **515**, 519
Oedogonium idioandrosporium 507, **515**, 522
Oedogonium inermis 524
Oedogonium irregulare 524
Oedogonium itzigohnii 506, 514, **515**
Oedogonium itzigohnii var. *minus* 514, **515**
Oedogonium landsboroughii 506, 515, 516
Oedogonium landsboroughii fo. *gemelliparum* 515
Oedogonium lautumnarium 506, **515**, 516
Oedogonium londinense 524
Oedogonium longatum 524
Oedogonium longicolle var. *senegalense* 524
Oedogonium lundellii 521
Oedogonium macrandrium 507, **517**, **523**
Oedogonium macrospermum 507, **517**, 523
Oedogonium magnusii 524
Oedogonium microgonium 505, 509, **517**
Oedogonium minus 505, 509, **517**

- Oedogonium moniliforme* 524
Oedogonium multisporum 507, **517**, 522
Oedogonium nobile 506, 514, **517**
Oedogonium nodulosum 505, 509, **517**
Oedogonium obesum 511
Oedogonium oblongum 514, **518**
Oedogonium obsoletum 505, 512, **518**
Oedogonium obtruncatum 504, 509, **518**
Oedogonium oviforme 524
Oedogonium paludosum 507, 524
Oedogonium petri 514, **518**
Oedogonium pilosporum 524
Oedogonium pisanum 506, **518**, 519
Oedogonium platygnum 505, 509, **518**
Oedogonium pluviale 507, **518**, 523
Oedogonium princeps 506, 516, **520**
Oedogonium pringsheimii 506, 519, **520**
Oedogonium pringsheimii var. *nordstedtii* 519, **520**
Oedogonium pseudoboscii 524
Oedogonium punctatostriatum 505, 509, 517, **520**
Oedogonium pusillum 514, **520**
Oedogonium pyrulum var. *obesum* 511
Oedogonium rectangulare 510
Oedogonium reinschii 505, 509, **520**
Oedogonium richterianum 524
Oedogonium rivulare 506, 516, **520**
Oedogonium robustum 513
Oedogonium rothii 507, **521**, **523**
Oedogonium rufescens 516, **521**
Oedogonium rufescens var. *lundellii* **521**
Oedogonium rugulosum 524
Oedogonium rupestre 524
Oedogonium sexangulare 507, **521**, 522
Oedogonium sociale 524
Oedogonium sphaerandrum 524
Oedogonium subcetaceum 524
Oedogonium suecicum 514, **521**
Oedogonium suecicum fo. *australe* 514, **521**
Oedogonium tapeinosporum 514, **521**
Oedogonium tenellum 524
Oedogonium tumidulum 506, 519, **521**
Oedogonium undulatum 505, 509, **521**
Oedogonium undulatum var. *moebiusii* 524
Oedogonium urbicum 506, 512, **524**
Oedogonium vaucherii 506, 512, **524**
Oedogonium vernale 511, 518
Oedogonium vesicatum 524
Oedogonium vulgare **511**, **512**
Oedogonium zigzag 505, 511, **524**
Oedogonium zigzag var. *robustum* 513
Oenanthe fluviatilis 525
 OLIGOCHAETOPHORA 367, **567**
Oligochaetophora simplex 552, **567**
 ONCOBYRSA 64, 560
Oncobyrsa britannica 47
Oncobyrsa cesatiana 64
Oncobyrsa rivularis 464
 ONYCHONEMA 366, 734, **739**
Onychonema filiforme 735, **739**
Onychonema laeve 739
Onychonema laeve var. *latum* 739
 OOCARDIUM 366, 608, **695**
Oocardium stratum **695**
 OOCHLAMYS 381
 OOCYSTECLA 391
Oocystella lacustris 93
Oocystella natans 493
Oocystella parva 493
 OOCYSTACEAE 397
 OOCYSTIS 375, 472, **491**
Oocystis apiculata **492**, **494**, 495
Oocystis asterifera 490
Oocystis asymmetrica **492**, **494**, **495**
Oocystis borgei **492**, 494
Oocystis ciliata 483, 486
Oocystis ciliata var. *amphitricha* 483
Oocystis ciliata var. *radians* 483
Oocystis coronata 484
Oocystis crassa 495
Oocystis crassa var. *marssonii* 493
Oocystis decorata 485
Oocystis elliptica **492**, 494
Oocystis elliptica fo. *minor* 492, **493**
Oocystis eremosphaeria 483
Oocystis geminata 495
Oocystis gigas 482
Oocystis gigas fo. *minor* 496
Oocystis lacustris **492**, **493**, 494
Oocystis marssonii **492**, **493**, 494
Oocystis naegelii **492**, **493**, 494
Oocystis natans **492**, **493**, 494
Oocystis nodulosa 495
Oocystis novae-semlicae fo. *major* 495
Oocystis novae-semlicae var. *maxima* 495
Oocystis ornata 497
Oocystis panduriformis **492**, **493**, 494
Oocystis panduriformis fo. *major* 493
Oocystis panduriformis var. *pachyderma* 493
Oocystis parva **492**, **493**, 494
Oocystis pseudocoronata 484
Oocystis pusilla **494**, **495**
Oocystis solitaria **487**, **492**, **495**
Oocystis solitaria fo. *major* 495
Oocystis solitaria fo. *solitaria* 495
Oocystis solitaria var. *notabile* 495
Oocystopsis coronata 484
Oocydidium ovale 495
Oodesmus doederleinii 303
 OONEPHRIS 375, 491, **495**
Oonephris obesa **494**, **496**
 OPEPHORA 350
 OPHIOCYTIUM 316, 326, **329**
Ophiocytium arbusculum **329**, **330**, 331
Ophiocytium bicuspidatum **330**, 331
Ophiocytium bicuspidatum fo. *longispina* 330
Ophiocytium breve 321
Ophiocytium capitatum **330**, 331
Ophiocytium cochleare **330**, 331
Ophiocytium majus **331**, **330**
Ophiocytium parvulum **330**, 331
 OPHRYDIUM 4, 319, 475
Ophrydium versatile 4, 557
 ORTHOSEIRA 350
 OSCILLATORIA 33, 37, 39, 78, 79, 80, 81, 86, 91, **95**, 105, 117, 126, 128, 130
Oscillatoria acutissima 95
Oscillatoria agardhii 12, 95, 105, 106, 130
Oscillatoria agardhii var. *isothrix* 106
Oscillatoria amoena **95**, 98
Oscillatoria amphibia **95**
Oscillatoria amphigranulata 80, 109
Oscillatoria anguina **97**
Oscillatoria angusta **97**, 100, 101
Oscillatoria angustissima **97**, 100
Oscillatoria animalis **97**, 98
Oscillatoria bonnemaisonii **97**, 98
Oscillatoria bornetii 78, 97, 98, 117, 118
Oscillatoria bourrellyi 97, 118
Oscillatoria brevis **96**, **97**, **99**, 100
Oscillatoria chalybea **97**
Oscillatoria corallinae **97**
Oscillatoria cortiana **96**, **97**, **99**
Oscillatoria decolorata 118
Oscillatoria formosa **96**, **97**, 98, 99
Oscillatoria granulata **33**, **99**
Oscillatoria hamelii **99**
Oscillatoria irrigua **98**, **99**
Oscillatoria lacustre 117
Oscillatoria laetevirens **97**, **98**, **99**
Oscillatoria limnetica **96**, 109
Oscillatoria limosa **96**, **99**, 100
Oscillatoria margaritifera **99**
Oscillatoria mougeotii 106
Oscillatoria nidulans var. *endophytica* 111
Oscillatoria nigra **99**
Oscillatoria nigro-viridis **99**
Oscillatoria okeni **100**
Oscillatoria princeps 79, **100**
Oscillatoria redekei 12, 80, 109, 111
Oscillatoria rosea 95
Oscillatoria rubescens 100, 106
Oscillatoria sancta **96**, **100**
Oscillatoria splendida **98**, **100**
Oscillatoria splendida var. *attenuata* 100
Oscillatoria subbrevis **96**, **98**, **100**
Oscillatoria subtilissima 95, 97, **100**
Oscillatoria subuliformis **100**, 105
Oscillatoria tenuis **101**
Oscillatoria tenuis var. *limosa* 99
Oscillatoria terebriformis **101**
Oscillatoria thiebautii 117
 OSCILLATORIAEAE Pl. 6, 33, 79
 OSCILLATORIALES 33–38, **78**, **79**, **80**, 81
 OXYNEIS 350
 PALATINUS 252, **265**, 266, 271
Palatinus apiculatus **265**, 266, 269
Palatinus pseudolaevis **265**, 266, 269
Palmella castagnei 44
Palmella hirta 498
Palmella rupestris 63
Palmella tuberculosa 51

856 TAXONOMIC INDEX

- Palmellococcus*
saccharophilus 476
Palmellocystis planktonica 418
 PALMODACTYLON 461
Palmodactylon
subramosum 461
Palmodactylon varium 461
 PALMODICTYON 374, **461**
Palmodictyon
subramosum 461
Palmodictyon varium 427, **461**
Palmodictyon viride 427, **461**
Palmogloea
chlamydospora 611
Palmogloea macrococca 611
 PANDORINA 368, 398, **402**
Pandorina charkowiensis 388, **402**
Pandorina morum **402**, 408
 PANNUS 71
Pannus spumososus 61, 71
 PARALEMANEA 159, 161, **175**
Paralemanea torulosa 177, **178**
 PARALIA 350
 PARAMECIUM 4
Paramecium bursaria 475
 PARAPHYSOMONADA-CEAE 281
 PARAPHYSOMONAS 282, **301**
Paraphysomonas imperforata 301
Paraphysomonas vestita **301**, 314
 PARLIBELLUS 352
 PARVODINIUM 266
Parvodium africanum **268**
Parvodium inconspicuum **268**
Parvodium umbonatum **270**
Pascheriella tetras 402
 PASCHERINA 367, **402**
Pascherina tetras **402**, 408
 PAULSCHULZIA 375, **377**, 378, 379
Paulschulzia elegans 377
Paulschulzia pseudovolvox 377, 378, 380
Paulschulzia tenera **377**, 380, 381
Pavlova granifera 277
Pavlova noctivaga 277
 PAVLOVALES 277
 PAVLOVOPHYCEAE 277
 PEDIASTRUM 12, 373, 461, 463, 472
Pediastrum angulosum 462, 463
Pediastrum araneosum 463
Pediastrum bidentulum 463
Pediastrum biradiatum
 Pl. 3M, 462, **463**, 467
Pediastrum biradiatum var.
longecornutum 460
Pediastrum boryanum 430, 462, **463**
Pediastrum boryanum var.
brevicorne 463
Pediastrum boryanum var.
cornutum 462, 463, **464**
Pediastrum boryanum var.
granulatum 464
Pediastrum boryanum var.
longicorne 462, **469**
Pediastrum boryanum var.
perforatus 464
Pediastrum boryanum var.
productum 464
Pediastrum braunii **465**
Pediastrum clathratum 465
Pediastrum constrictum 463
Pediastrum duplex 460, 462, 463, **464**
Pediastrum duplex var.
cornutum 464
Pediastrum duplex var.
gracillimum 462, **464**
Pediastrum duplex var.
rugulosum 462, **464**
Pediastrum duplex var.
subgranulatum 462, **464**
Pediastrum enoplum 465
Pediastrum ehrenbergii 465
Pediastrum glanduliferum 464
Pediastrum gracile 464
Pediastrum integrum 460, 462, **464**
Pediastrum integrum var.
privum 465
Pediastrum integrum var.
scutum 465
Pediastrum kawraiskyi 462, 463, **464**
Pediastrum napoleonis 464
Pediastrum pertusum 464
Pediastrum privum 453, 463, 465
Pediastrum rotula 463
Pediastrum simplex **462**, 463, **465**
Pediastrum simplex var.
sturmii 464
Pediastrum sturmii 464
Pediastrum tetras 373, 462, 463, **465**
Pediastrum tricornutum 465
 PEDINELLA **310**
Pedinella hexacostata 309, **310**
 PEDINELLALES 310
 PEDINOMONADALES **358**
 PEDINOMONAS **358**, 368
Pedinomonas major **358**, 359
Pedinomonas minor **358**, 359
 PEDINOPHYCEAE **358**, 360
 PENIUM 365, **634**
Penium brebissonii 609
Penium closterioides 622
Penium cucurbitinum 636
Penium curtum 637
Penium cylindrus 634, **635**,
Penium cylindrus var.
cuticulare 636
Penium didymocarpum 637
Penium digitus 613
Penium exiguum 634, **635**, 736
Penium interruptum 613
Penium jenneri 636
Penium libellula 622
Penium libellula var.
intermedium 623
Penium margaritaceum 612, **635**
Penium minutum 686
Penium navicula 628, 629
Penium oblongum 613
Penium polymorphum 634, 636
Penium rufescens 637
Penium spirostriolatum 612, 634, **635**
Penium spirostriolatum var.
amplificatum **635**, 694
Penium suboctangulare 636
 PENNATE DIATOMS 346, 350
 PERANEMA 182, 236, **238**
Peranema kupffervii 235, **238**
Peranema macromastix 182
Peranema trichophorum 182, 237, **238**
Peranema truncatum 235, **239**
 PERICYSTIS 165
 PERIDINIALES 250, **262**
 PERIDINIOPSIS 250, 251, 252, **265**
Peridiniopsis borgei **265**, 273
Peridiniopsis cunningtonii **266**, 267
Peridiniopsis elpatiewskyi 266, 272
Peridiniopsis oculatum **266**, 273
Peridiniopsis penardiforme 266, 272
Peridiniopsis polonicum 266, 272
Peridiniopsis raciborskii 266
 PERIDINIUM 250, 251, 252, 265, **266**
Peridinium aciculiferum **266**, 269
Peridinium africanum 266, **268**, 269
Peridinium anglicum 265, 267, 271, **271**
Peridinium apicularis 271
Peridinium bipes 266, **268**, 269
Peridinium bipes fo.
tabulatum 268
Peridinium bipes fo.
travectum 268
Peridinium bipes var. *excisum* 268
Peridinium borgei 265
Peridinium cinctum 266, **268**, 269
Peridinium cinctum fo.
irregulatum 268
Peridinium cinctum fo.
regulatum 268
Peridinium cinctum fo. *westii* 268
Peridinium cinctum var.
lemmermannii 268
Peridinium carolinianum 261
Peridinium cornutum 261
Peridinium cunningtonii 266,
Peridinium fuscum 253
Peridinium inconspicuum 266, 267, **268**
Peridinium limbatum 266, 267, **268**
Peridinium lomnickii 266, 269, **270**
Peridinium lomnickii var.
wierzejskii 269, **270**
Peridinium marssonii 265
Peridinium minimum 268
Peridinium palatinum 265
Peridinium pseudolaeve 265
Peridinium pulvisculus 264
Peridinium pusillum 270
Peridinium raciborskii 274
Peridinium suttoni 266
Peridinium tabulatum 268
Peridinium tabulatum
contactum var. *excavatum* 268
Peridinium uberrima 256
Peridinium umbonatum 266, 269, **270**, 271
Peridinium umbonatum var.
inaequale **270**
Peridinium umbonatum var.
umbonatum **270**
Peridinium volzii 266, 267, **270**
Peridinium volzii var. *australe* 270
Peridinium vorticella 259
Peridinium westii 268
Peridinium wierzejskii 270
Peridinium willei 266, 269, **270**
Peridinium willei fo. *stagnale* 271
 PERONIA 352
 PERSONIELLA 553
 PETALONEMA 145
Petalonema alatum 145
 PETALOMONAS 182, 234, **236**
Petalomonas cantuscygni **236**, 237
Petalomonas mediocanellata **236**, 237
Petalomonas pusilla **236**, 237
Petalomonas sphagnophila **236**, 237
 PETRAVENELLA 163
 PETRONEIS 352
 PHACOTUS 22, 368, 395, **402**, 403
Phacotus angulosus 405
Phacotus angustus 388, **402**
Phacotus lendneri 403
Phacotus lenticularis 402, **403**
 PHACUS 183, 203, **204**
Phacus acuminatus 201, 205, **206**
Phacus acuminatus var.
acuticauda 202, 205, **206**

- Phacus acuminatus* fo. *minor* 212
Phacus acutus **206, 207**
Phacus aenigmatica 204
Phacus agilis 185
Phacus alatus **206, 207, 212**
Phacus alatus var. *latviensis* 202, 205, **206**
Phacus anomalus 205, **206, 207**
Phacus applanatus 206, **208, 209**
Phacus atractoides 204
Phacus brevicaudata 208
Phacus brevicaudatus 202, 205, **208**
Phacus caudatus 205, **208, 209**
Phacus caudatus var. *hyalina* 208
Phacus circumflexus 206, 207, **208**
Phacus cochleatus 204
Phacus corculeum 201, 205, 208
Phacus costatus 204
Phacus curvicauda 205, 207, **208**
Phacus curvicauda fo. *anomalus* 206
Phacus elegans 206, 207, **208**
Phacus granum 201, 205, **208**
Phacus hamelii 205, 207, **210**
Phacus helicoides 202, 206, 207, **210**
Phacus hispidula 210
Phacus hispidulus 205, 209, **210**
Phacus hispidulus fo. *suecicus* 210
Phacus hispidulus var. *steinii* 210
Phacus inconspicuous 204
Phacus longicauda 206, 207, **210**
Phacus longicauda fo. *vixtorta* 208
Phacus longicauda var. *maior* 210
Phacus longicauda var. *ovata* 206
Phacus longicauda var. *torta* 208, 213
Phacus longicauda var. *torta* fo. *helicoides* 210
Phacus macrostigma 206
Phacus megalopsis 204
Phacus mirabilis 204
Phacus monilatus 210
Phacus monilatus var. *suecicus* 20, 209, **210**
Phacus nordstedtii 204
Phacus ocellatus 210, 182
Phacus orbicularis 205, 209, **210**,
Phacus oscillans 182, 201, 205, **212**
Phacus ovum 200
Phacus parvulus 201, 205, **212**
Phacus parvulus var. *pusillus* 212
Phacus pleuronectes 205, 209, **212**
Phacus pleuronectes var. *brevicaudata* 208
Phacus pleuronectes var. *hamelii* 210
Phacus pleuronectes var. *hyalinus* 210
Phacus pleuronectes var. *prunoides* 202, 206, **212**
Phacus prunoides 212
Phacus pseudonordstedtii 204
Phacus pulcherrimus 204
Phacus pusilla 212
Phacus pusillus 201, 205, **212**
Phacus pyrum 204
Phacus pyrum fo. *pulcherrima* 204
Phacus pyrum var. *ovata* 204
Phacus pyrum var. *rudicola* 204
Phacus raciborskii 206
Phacus rudicola 204
Phacus skujae 201, 205, **212**
Phacus smulkowskianus 202, 206, **212**
Phacus similes 212
Phacus spiralis 201, 206, **213**
Phacus splendens 204
Phacus stokesii 201, 205, **213**
Phacus striatus 204
Phacus strongylus 204
Phacus subsalsus 212
Phacus suecica 210
Phacus teres 203
Phacus tortuosa 206
Phacus torta 206, 207, **213**
Phacus torta var. *tortuosa* 210
Phacus tripteris 203
Phacus triqueter 205, 207, **213**
PHAEASTER 282, **302**
Phaeaster pascheri 287, **303**
Phaeocapsa paludosa 288
Phaeococcus paludosus 285
Phaeococcus planktonicus 285
PHAEOCYSTIS 277
PHAEODERMATIUM 308, **310**
Phaeodermatium rivulare 309, **310**
PHAEOPHYTA 2, 29, 30, 302, 354, 355
PHAEOPHYTE 354, 355
Phaeoschizochlamys delicatula 303, 496
PHAEOSPHAERA 282, **302**
Phaeosphaera gelatinosa **302, 307**
PHAEOTHAMNION 281, 282, **302, 303**
Phaeothamnion confervicolum **302, 307**
Phaeothamnion confervicolum var. *britannica* **302, 307**
PHAEOTHAMNIOPHYCEAE 281, 302, 303
Phagodinium tridentatum 313
Phialonema cyclostomum 239
Phormidiochaete balearica 83
Phormidiochaete fusca 84
Phormidiochaete nordstedtii 83
PHORMIDIUM Pl. 4D, 35, 79, 80, 86, 95, 116, 478
Phormidium acutissimum 95
Phormidium aerugineo-coerulea 88
Phormidium ambiguum **101, 102**
Phormidium amphibium 95
Phormidium angustissimum **101**
Phormidium animale 97
Phormidium autumnale 34, 78, **101, 102, 103, 106**
Phormidium calcareum **103, 104**
Phormidium chalybeum 97
Phormidium cincinnatum **103**
Phormidium cliarense 93
Phormidium corium 102, **103**
Phormidium cortianum 97
Phormidium diguetii 90
Phormidium cf. *ectocarpi* 79
Phormidium ectocarpi **103, 110**
Phormidium favosum 102, **103**
Phormidium formosum 97
Phormidium foveolarum 47, 102, **103**
Phormidium foveolarum fo. *maior* 103
Phormidium fragile 102, **103, 104**
Phormidium gracile 90
Phormidium hamelii 99
Phormidium incrustatum 102, **104**
Phormidium inundatum 102, **104**
Phormidium laetevirens 99
Phormidium laminosum 102, **104, 112**
Phormidium lucidum 102, **104**
Phormidium luridum 102, **104**
Phormidium lutescens 91
Phormidium minnesotense 101
Phormidium minutum 101
Phormidium molle 103
Phormidium molle fo. *tenuior* 103
Phormidium monile 101
Phormidium mucicola 104, 109
Phormidium nigro-viride 99
Phormidium nigrum 99
Phormidium okenii 100
Phormidium papyraceum 103
Phormidium persicinum **104**
Phormidium retzii 102, **104**
Phormidium splendens 100
Phormidium subfuscum 102, **104, 105**
Phormidium submembranaceum **105**
Phormidium submembranaceum fo. *minor* 105
Phormidium subsalsum 101, 103
Phormidium subuliforme 105
Phormidium tenue 101, 102, **105**
Phormidium tenue **105**
Phormidium terebriforme 101
Phormidium tergestinum 105
Phormidium uncinatum 101, 103
Phormidium valderianum **105**
Phragmites 355, 565
Phragmites communis 565
Phycastrum crenulatum 705
Phycastrum denticulatum 706
PHYCOPELTIS 371, **570**
Phycopeltis arundinacea 568, **570, 571, 572**
Phycopeltis epiphyton 568, 570
Phycopeltis expansa 570, 571
Phycopeltis novae-zeelandiae 570
Phycopeltis umbrina 574
Phyllactidium arundinaceum 570
Phyllitis 571
PHYLLOCARDIUM 369, 385, 403
Phyllocardium complanatum 388, **403**
PHYSOCYTIUM 374, **378**
Physocytium confervicola **378, 380**
Physocytium indicum 378
Physomonas vestita 301
Physolinum monile 571, 574, 575
Phythelios ovalis 483
Phytoconis purpurea 163
PHYTODINIALES 250, **271**
Pilinia stagnalis 538
 pine 570
PINNULARIA 352, 353
Pithiscus klebsii 383
Pithophora oedogonia 563
Pithophora oedogonia var. *polyspora* 564
PLACODERM DESMIDS 576
PLACONEIS 349, 352, 353
Placynthium nigrum 134
PLAGIOSELMIS 240, 242, 244, **249**
Plagioselmis nannoplanctica 242, 243, **249**
PLANCTONEMA 371, **542**
Planctonema lauterbornii **542**
Planctogloea 378
Planctogloea lundii 378

858 TAXONOMIC INDEX

- Planktoglea planctonica* 378
PLANKTOLYNGBYA 86
Planktolyngbya bipuntata 90
Planktolyngbya contorta 90
Planktolyngbya limnetica 91
PLANKTOSPHAERIA 375, 418, 465, 468
Planktosphaeria gelatinosa 428, 433, 465, 465
PLANKTOTHRIX 36, 105, 125
Planktothrix agardhii 79, 95, 96, 105, 106, 130
Planktothrix isothrix 95, 105, 106
Planktothrix mougeotii 106
Planktothrix prolifica 95, 105, 106
Planktothrix rubescens 95, 100, 105, 106
Planktothrix suspensa 105
PLATESSA 351
PLATYCHLORIS 384
PLATYMONAS 361, 368
Platymonas bichlora 361
Platymonas cordiformis 361
Platymonas fontiana 362
PLECTONEMA 35, 79, 86, 106, 108
Plectonema battersii 106, 107
Plectonema boryanum 83, 107
Plectonema calothrichoides 107
Plectonema carneum 106
Plectonema gracillimum 106, 107, 108
Plectonema golenkinianum 107
Plectonema norvegicum 107
Plectonema nostocorum 107, 108
Plectonema notatum 107, 108
Plectonema roseolum 106
Plectonema tenue 106, 108
Plectonema terebrans 106, 108
Plectonema tomasinianum 106, 107, 108
PLEODORINA 398
Pleodorina illinoisensis 398
PLEURASTRALES 538, 542
PLEURASTROPHYCEAE 364, 538
PLEURASTRUM 372, 538, 542
Pleurastrum insigne 536, 542
Pleurastrum terrestre 543
Pleurastrum terricola 535, 542, 5432
PLEUROCAPSA 71
Pleurocapsa amethystea 51
Pleurocapsa cohaerens 52
Pleurocapsa crepidinum 71, 72
Pleurocapsa entophysaloides 71
Pleurocapsa fluviatilis 51, 71
Pleurocapsa fuliginosa 71
Pleurocapsa minor 71, 72
Pleurocapsa minuta 71
Pleurocapsa polonica 75
PLEUROCAPSALES 40
Pleurochloris anomalus 425
PLEUROCLADIA 354, 355, 357
Pleurocladia lacustris 355, 356
Pleurocladia ralfsioides 355
PLEUROCOCCUS 525, 529
Pleurococcus angulosus 530
Pleurococcus cohaerens 52
Pleurococcus lobatus 525
Pleurococcus miniatus 476
Pleurococcus naegelii 530
Pleurococcus nimbatus 468
Pleurococcus superbus 376
Pleurococcus vulgaris 530
PLEUROGASTER 319, 322, 330
Pleurogaster lunaris 322, 330
PLEUROSIGMA 352
PLEUROTAENIUM 365, 686, 695
Pleurotaenium coronatum 624, 696
Pleurotaenium coronatum var. *fluctuatum* 696
Pleurotaenium coronatum var. *robustum* 624, 696
Pleurotaenium coronatum var. *nodulosum* 696
Pleurotaenium crenulatum 697
Pleurotaenium ehrenbergii 624, 695, 696
Pleurotaenium ehrenbergii var. *curtum* 697
Pleurotaenium ehrenbergii var. *elongatum* 697
Pleurotaenium ehrenbergii var. *undulatum* 697
Pleurotaenium eugeneum 697
Pleurotaenium hutchinsonii 697
Pleurotaenium maximum 697
Pleurotaenium minutum 686
Pleurotaenium minutum var. *crassum* 686
Pleurotaenium nodosum 694, 695, 696
Pleurotaenium nodosum var. *borgei* 697
Pleurotaenium nodulosum 694, 696
Pleurotaenium rectum 686
Pleurotaenium rectum var. *rectissimum* 686
Pleurotaenium trabecula 624, 695, 696
Pleurotaenium trabecula fo. *clavata* 697
Pleurotaenium trabecula var. *crassum* 697
Pleurotaenium trabecula var. *rectum* 686
Pleurotaenium trabecula var. *robustum* 697
Pleurotaenium trabecula var. *rectum* 686
Pleurotaenium tridentulum 694, 695, 697
Pleurotaenium tridentulum var. *capitatum* 697
Pleurotaenium truncatum 695, 697, 736
Pleurotaenium truncatum var. *crassum* 697
Pleurotaenium truncatum var. *farquharsonii* 697
Pleurotaenium truncatum var. *granulatum* 697
Pleurothamnion papuasicum 537
PODOHEDRA 366, 429, 496
Podohedra bicaudata 429
Podohedra falcata 463, 496
PODOHEDRIELLA 346, 452, 496
Podohedriella falcata 459, 496
POLYCHAETOPHORA 367, 372, 567
Polychaetophora lamellosa 552, 567
Polychaetophora simplex 567
Polycoccus punctiformis 141
POLYCOMA 178
Polycystis reticulata 57
POLYDRIELLA 347
Polydriella helvetica 343, 347
POLYDRIOPSIS 369, 466
Polydriopsis spinulosa 466, 489
Polyedrium caudatum 473
Polyedrium lobulatum 329
Polyedrium minimum 473
Polyedrium muticum 328
Polyedrium pentagonum 473
Polyedrium schmidlei 418
Polyedrium schmidlei var. *euryacanthum* 418
Polyedrium spinulosum 465
Polyedrium spinulosum var. *exavatum* 466
Polyedrium tetradricum 473
Polyedrium trigonum var. *setigerum* 418
Polycystis reticulata 57
POLYGONIOCHLORIS 319, 328, 330
Polygoniochloris circularis 322, 332
POLYLEPIDOMONAS 282, 302
Polyepidomonas vacuolata 302
POLYSPERMA 175
POLYTAENIA 615
Polytaenia alpina 615
Polytaenia luetkemuelleri 615
POLYTOMA 385, 399
Polytoma caudatum 385
Polytoma granuliferum 385
Polytoma cf. *obtusum* 385
Polytoma uvella 385
POLYTOMELLA 382
Polytomella agilis 382
Polytomella magna 382

- Polytomella papillata* 382
Polytomella parva 382
Pontosphaera stagnicola 280
PORPHYRA 165
PORPHYRIDIALES 163
PORPHYRIDIOPHYCEAE 163,
PORPHYRIDIUM 159, 161, 163
Porphyridium aerugineum 162, 163
Porphyridium cruentum 163
Porphyridium purpureum 162, 163
Porphyrosiphon martensianus 92
PORTERINEMA 355, 357
Porterinema fluviatile 356, 357
POTERIOCHROMONAS 282, 301, 302
Poteriochromonas malhamensis 300, 302
Poteriochromonas nutans 300, 303
Potamogeton 647, 672
PRASINOCHELORIS 362, 368
Prasinocloris sessilis 359, 362
PRASINOPHYCEAE 358, 360, 363
 'PRASINOPHYTA' 2, 29, 292, 358, 381, 400
PRASINOPHYTES 361, 567
PRASIOLA 370, 567, 569
Prasiola calophylla 567, 569, 572
Prasiola crispa 567, 568, 572, 569
Prasiola furfuracea 567, 572
PRASIOLOALES 410
PRESTAURONEIS 352
PRINTZINA 571
Printzina lagenifera 571, 573, 575
PROCHLOROTHRIX 37, 80
Prochlorothrix hollandica 60
Prochlorothrix scandica 80
Prolifera borisiana 507
Prolifera bosicii 507
Prolifera floccosa 540
Prolifera rivularis 520
Prolifera rothii 521
Prolifera vaucherii 524
PROSOAULAX 250, 251, 259
Prosoaulax lacustris 259
Proteomona sulcata 241
PROTOCOCCUS 525, 529
Protococcus magna 62
Protococcus minor 54
Protococcus minutus 54
Protococcus turgidus 54
Protococcus viridis 530
PROTODERMA 371, 543
Protoderma beesleyi 536, 543
Protoderma frequens 11, 536, 537, 543
Protoderma viride 536, 543
Protoperidinium limbatum 268

- PROTOTHECA 475
 Protozoa 11
 PROVASOLIELLA 382
Provasoliella ovata 384
 Prunus laurocerasus 570
 PRYMNESIALES 279
 PRYMNESIOPHYCEAE 279
 PRYMNESIOPHYTA 277
 PRYMNESIOPHYTES 282
 PRYMNESIUM 278, **280**
Prymnesium parvum 278, **280**
Prymnesium patelliferum 280
Prymnesium saltans 280
 PSAMMODICTYON 352
 PSAMMOTHIDIUM 351
Psammothidium abundans 353
 PSEUDANABAENA 33, 36, 79, 80, 95, **108**, 111
Pseudanabaena amphigranulata 80, 98, **109**
Pseudanabaena brevis 108
Pseudanabaena catenata 108, **109**, 110
Pseudanabaena endophytica 10, **109**, 111
Pseudanabaena galeata **109**
Pseudanabaena limnetica 108, **109**
 'Pseudanabaena obliqueacuminata' 111
Pseudanabaena mucicola 104, 108, **109**, 111
Pseudanabaena redekei 79, 80, 96, 108, **109**, 111
Pseudanabaena schmidlei 108
Pseudanabaena westiana 108, **111**
Pseudagloe 382
 PSEUDENDOCOLONIUM 372, 543, **544**
Pseudendoclonium akinetum 544
Pseudendoclonium basiliense 544
Pseudendoclonium basiliense var. *brandii* 536, **544**
Pseudendoclonium laxum **544**
Pseudendoclonium laxum var. *deminutum* 544, **545**
Pseudendoclonium laxum var. *laterale* 544, **545**
Pseudendoclonium prostratum 543, 544, **545**
Pseudendoclonium prostratum var. *pseudoprostratum* 544, **545**
Pseudendoclonium prostratum var. *radiatum* 536, 544, **545**
Pseudendoclonium submarinum 544
Pseudendoclonium printzii 530
 PSEUDOCARTERIA 384
 PSEUDOCHAETE 545, 547
Pseudochaete gracilis 545, 552
 PSEUDOCHARACIOPSIS 346, **347**
Pseudocharaciopsis ovalis 343, **347**
 PSEUDOCHARACIUM 366, 367, **466**
Pseudocharacium obtusum 427, **466**
 PSEUDOCOCCOMYXA 367, 370, **496**
Pseudococcomyxa simplex 427, **496**
Pseudococcomyxa adhaerens 496
 PSEUDODICTYOSPH-AERIUM 373, 417, 480
Pseudodictyosphaerium scoticum 417, 448, 480, 481
 PSEUDODIDYMOCYSTIS 466, 482
Pseudodidymocystis inconspicua 442
Pseudodidymocystis planctonica 423, **466**
Pseudofurcilla lobosa 399
 PSEUDOKEPHYRION 282, **298**, 298
Pseudokephyrion ellipsoideum 298, **299**, 300
Pseudokephyrion entzii 317
Pseudokephyrion klarinetii 298, **299**, 300
Pseudokephyrion ovum 298, **299**, 300
Pseudokephyrion pseudospirale 298, **299**, 300
Pseudokephyrion ruttneri 298, **299**, 300
Pseudokephyrion tortosaccatum 298, **299**, 300
Pseudokephyrion undulatum 298, **299**, 300
 PSEUDOKIRCHNERIELLA 451, 452
Pseudomallomonas anglica 313
 PSEUDONCOBYRSA 57, 74
Pseudoncobyrssa fluminensis 57, 74
 PSEUDOPEDIASTRUM 463
Pseudopediastrum boryanum 460
Pseudopediastrum kawraiskyi 464
 PSEUDOPEDINELLA 312
Pseudoperanema trichophorum 238
 PSEUDOPLEUROCOCCUS 530
Pseudopleurococcus printzii 530
 PSEUDOPHORMIDIUM 106, 107
Pseudophormidium battersii 107
Pseudophormidium golenkinianum 107
Pseudophormidium tenue 108
 PSEUDOQUADRIGULA 375, **466**, 466
Pseudoquadrigula britannica 454, **467**
 PSEUDOSCHROEDERIA 470
 PSEUDOSPHAEROCYSTIS 375, 377, 378
Pseudosphaerocystis lacustris **378**, 380
Pseudosphaerocystis neglecta 378
Pseudosphaerocystis planktonica 378
 PSEUDOSTAURASTRUM 319, 329, **332**
Pseudostaurastrum circulare 332
Pseudostaurastrum enorme 322, **332**, 472
Pseudostaurastrum hastatum 322, **332**, 472
Pseudostaurastrum jovetti **332**
Pseudostaurastrum lobulatum 329
Pseudostaurastrum muticum 328
Pseudostaurastrum sculpta 328
Pseudostaurastrum smithii 328
 PSEUDOSTAUROSIRA 350
 PSEUDOTETRASTRUM 373, **467**
Pseudotetrastrum punctatum 438, **466**
 PTERIDIUM 571
 PTEROMONAS 368, **403**
Pteromonas aculeata 396, **403**
Pteromonas aequiciliata 396, **403**
Pteromonas alata 405
Pteromonas angulosa 396, **405**
Pteromonas chodatii 405
Pteromonas danubialis 403
Pteromonas protracta 403
Pteromonas spinosa 396, **405**
Pteromonas takedana 405
Pteromonas tenuis 396, **405**
Pteromonas varians 403
Pteromonas vexilliformis 403
 PULCHELLA 352
 PUNCTASTRIATA 350
 PUNCTICULATA 350, 353
 Purple sulphur bacteria 4
Pyramichlamys cordiformis 362
 PYRAMIMONADALES 362
 PYRAMIMONAS 362, 368, 392, 400
Pyramimonas delicatula 363
Pyramimonas inconstans 359, **362**
Pyramimonas reticulata 400
Pyramimonas tetrarhynchus 359, 362, **363**
 PYRENOCOLLEMA 60
 PYRENOMONAS 240
 PYROBOTRYS 367, 398, 402, **405**, 410
Pyrobotrys casinoensis **405**, 408
Pyrobotrys gracilis 405
Pyrobotrys stellata **405**, 408
 PYRROPHYTA 28
 QUADRICOCCUS 373, 416
Quadricoccus laevis 417
Quadricoccus verrucosus 417, 436
 QUADRIGULA 375, 452, **467**
Quadrigula chodatii 466
Quadrigula closterioides 454, **467**
Quadrigula fasciculata 424
Quadrigula korshikovii 453, **467**
Quadrigula lacustris 466, 468
Quadrigula pfitzeri 454, **467**
Raciborskia oedogonii 271
 RADAISIA 71
 RADIOCOCCACEAE 433
 RADIOCOCCUS 375, 378, **468**
Radiococcus dissecta 411
Radiococcus nimbatus 428, **468**
Radiococcus planktonicus 428, **468**
 RADIOCYSTIS 74
Radiocystis geminata 57, 73, **74**
 RADIOFILUM 371, **545**
Radiofilum apiculatum 545
Radiofilum conjunctivum 545, 558
Radiofilum flavescens 545, 558
Radiofilum paradoxum 545, 557
Radiofilum paradoxum var. *reticulatum* 557
 RADIOSPHAERA 411
Radiosphaera dissecta 411
Radiosphaera sphaerica 411
Ralfsia fluviatilis 357
 RALFSIALES 355, 357
Raphanella urbica 197
 RAPHIDIOPSIS 118, 126
Raphidium braunii 338, 429
Raphidium convolutum var. *lunare* 455
Raphidium convolutum var. *minutum* 460
Raphidium minutum 460
Raphidium pfitzeri 466
Raphidium polymorphum var. *mirabile* 458
Raphidium polymorphum var. *spirale* 457
Rhaphidium pyrenogerum 478
Raphidium spirale 424
 RAPHIDOCELIS 375, 451, 452
Raphidocelis contorta 452
Raphidocelis danubiana 452
Raphidocelis rotunda 455
Raphidocelis subcapitata 455
 RAPHDONEMA 371, 538, **546**
Raphidonema nivale 546, 559

860 TAXONOMIC INDEX

- Raphidonema longiseta 538
Raphidonema spiculiforme 538
RAPHIDOPHYCEAE 275
RAPHIDOPHYTA 2, 28, 30, 275, 281
RAPHIDOPHYTES 358
RED ALGA(E) 2, 5, 19, 28, 357
REIMERIA 351
Reinschiella setigera 470
RHABDODERMA 74, 115
Rhabdoderma lineare 74
RHABDOGLOEA 74
Rhabdogloea planctonica 70, 74
Rhabdogloea smithii 70, 74
RHABDOMONADALES 182, 183, 233
RHABDOMONAS 182, 233, 234
Rhabdomonas bipartita 234, 235
Rhabdomonas costata 182, 234
Rhabdomonas incurva 182, 234, 235
Rhabdomonas spiralis 234, 235
RHEXINEMA 538
RHINOMONAS 240
RHIZOCHLORIDALES 333
RHIZOCLONIUM 82, 90, 101, 163, 357, 371, 532, 560, 564
Rhizoclonium hieroglyphicum 532, 564, 568
Rhizophydium oedogonii 271
RHIZOSOLENIA 350
RHODOCHORTON 136, 165
Rhododendron 571
Rhododendron ponticum 571
RHODOMONAS 240, 242, 249
Rhodomonas baltica 249
Rhodomonas lacustris 243, 249
Rhodomonas lacustris var. nannoplanctica 242, 243, 249
Rhodomonas lens 249
Rhodomonas minuta 249
Rhodomonas minuta var. nannoplanctica 249 242, 243, 249
Rhodomonas ovalis 249
RHODOPHYTA 2, 5, 28, 30, 159, 161, 766
RHODOPLAX 374, 378
Rhodoplax schinzii 378, 428
RHOICOSPHENIA 352
RHOPALODIA 352
RHOPALOSOLEN 326
Rhynchostegium 15
Rhynchostegium riparioides 167
Riccia 15
Ricciocarpus 15
RICHTERIELLA 488
Richteriella botryoides 488
Richteriella botryoides var. quadriseta 490
Richteriella quadriseta 490
RIVULARIA Pl. 4, Pl. 4A, Pl. 5A, 32, 34, 35, 49, 78, 84, 119, 128, 136, 142, 153, 357
Rivularia atra 143, 144, 145, 146, 151
Rivularia australis 143, 146
Rivularia beccariana Pl. 5A, 135, 143, 144
Rivularia biasolettiana 143, 144, 143, 151
Rivularia bullata Pl. 3C, 143, 144, 151
Rivularia dura 143, 144
Rivularia elegans 528
Rivularia haematites 143, 144
Rivularia mesenterica 144, 145
Rivularia minutula 143, 145
Rivularia nitida 143, 145
Rivularia pisiformis 528
Rivularia polyotis 143, 145
Rivularia tuberculosa 528
RIVULARIACEAE 37, 118, 134
Rhododendron 570
ROSENVINGIELLA 370, 553, 569
Rosenvingiella constricta 569
Rosenvingiella polyrhiza 569
Rozenvingiella radicans 553, 567, 569, 572
ROSSITHIDIUM 351
Rotifer(s) 184
ROYA 365, 576, 614
Roya anglica 612, 614
Roya cambrica 614
Roya cambrica fo. limnetica 614
Roya obtusa 612, 614
Roya obtusa var. anglica 614
Roya obtusa var. montana 612, 614
Roya pseudoclosterium 614
Roya pseudoclosterium fo. minor 614
Rubia peregrina 571
Rubiaceae 742
Rubus fruticosus 570
Ruppia 765
Ruttnera chadefaudii 279
Ruttnera spectabilis 279
SACCODERM DESMIDS 576, 609
SACHERIA 175
Sagittaria 525
Salsa palmate 570
SCENEDESMUS 27, 373, 419, 435, 468, 469
Scenedesmus abundans 439, 446
Scenedesmus abundans var. bicaudatus 446
Scenedesmus aculeotatus 439
Scenedesmus acuminatus 419, 421
Scenedesmus acuminatus var. bernardii 422
Scenedesmus acuminatus var. biseriatus 421
Scenedesmus acuminatus var. elongatus 419
Scenedesmus acuminatus var. tetradesmiformis 419
Scenedesmus acutiformis 421
Scenedesmus acutiformis fo. minor 441
Scenedesmus acutiformis var. bicaudatus 441
Scenedesmus acutiformis var. costatus 421
Scenedesmus acutiformis var. tricostratus 421
Scenedesmus acutus 421
Scenedesmus acutus var. dimorphus 421
Scenedesmus acutus var. obliquus 421
Scenedesmus alternans 469
Scenedesmus alternans var. apiculatus 469
Scenedesmus alternans var. platydiscus 469
Scenedesmus anomalus 482
Scenedesmus antennatus 421
Scenedesmus apiculatus 469
Scenedesmus arcuatus 423, 469
Scenedesmus arcuatus var. irregularis 498
Scenedesmus arcuatus var. platydiscus 453, 469
Scenedesmus armatus 441
Scenedesmus armatus var. bicaudatus 441
Scenedesmus arthrodesmiformis 441
Scenedesmus asymmetricus 441
Scenedesmus bernardii 422
Scenedesmus bicaudatus 441
Scenedesmus bicaudatus var. multiseta 446
Scenedesmus bicellularis 441
Scenedesmus bijugatus 421, 469
Scenedesmus bijugatus var. alternans 469
Scenedesmus bijugatus fo. arcuatus 469
Scenedesmus bijugatus var. arcuatus 469
Scenedesmus bijugatus var. bicellularis 441
Scenedesmus bijugatus var. costatus 421
Scenedesmus bijugatus var. granulatus 469
Scenedesmus bijugatus var. seriatus 469
Scenedesmus brasiliensis 441
Scenedesmus brasiliensis var. cinnamomeus 441
Scenedesmus carinatus 445
Scenedesmus caudato-aculeolatus 442
Scenedesmus caudatus fo. abundans 439
Scenedesmus chlorelloides 421
Scenedesmus circumfusus 441
Scenedesmus circumfusus var. bicaudatus 441
Scenedesmus columnatus 441
Scenedesmus columnatus var. bicaudatus 443
Scenedesmus communis 442
Scenedesmus costato-granulatus 442
Scenedesmus costatus 447
Scenedesmus costulatus 421
Scenedesmus cumbricus 472
Scenedesmus dactylococcoides 421
Scenedesmus decorus var. bicaudato-granulatus 443
Scenedesmus denticulatus 442
Scenedesmus denticulatus var. disciformis 442
Scenedesmus denticulatus var. linearis 439
Scenedesmus denticulatus var. linearis fo. granulatus 446
Scenedesmus denticulatus var. zig-zag 442
Scenedesmus dimorphus 421
Scenedesmus disciformis 469
Scenedesmus dispar 442
Scenedesmus dispar var. costato-granulatus 446
Scenedesmus dispar var. costulatus 446
Scenedesmus ecornis var. flexuosus 469
Scenedesmus elegans 442
Scenedesmus elegans fo. regularis 442
Scenedesmus ellipticus 424, 468
Scenedesmus falcatus 421
Scenedesmus flavescens 443
Scenedesmus flexuosus 469
Scenedesmus fuscus 439
Scenedesmus grahneisii 443
Scenedesmus granulatus 443
Scenedesmus granulatus fo. subfuscus 443
Scenedesmus granulatus var. verrucosa 469
Scenedesmus gutwinski 446
Scenedesmus gutwinski var. heterospina 446
Scenedesmus helveticus 441
Scenedesmus hystrix 443
Scenedesmus hystrix var. armatus 441
Scenedesmus hystrix var. regularis 446
Scenedesmus incrassatulus var. alternans 422
Scenedesmus incrassatulus var. mononae 422

- Scenedesmus inermis* 482
Scenedesmus insignis 443
Scenedesmus intermedius 443
Scenedesmus intermedius var. *balatonicus* 445
Scenedesmus intermedius var. *bicaudatus* 445
Scenedesmus kissii 445
Scenedesmus linearis 469
Scenedesmus longus 445
Scenedesmus longus var. *dispar* 442
Scenedesmus magnus 445
Scenedesmus magnus var. *naegeliai* 445
Scenedesmus maximus 445
Scenedesmus microspina 445
Scenedesmus naegeliai 445
Scenedesmus oahuensis 445
Scenedesmus obliquus 421, 458
Scenedesmus obliquus var. *dimorphus* 421
Scenedesmus obtusus 423, **469**
Scenedesmus obtusus var. *apiculatus* **469**
Scenedesmus obtusus fo. *alternans* 469
Scenedesmus opoliensis 445
Scenedesmus opoliensis var. *carinatus* 445
Scenedesmus opoliensis var. *mononensis* 446
Scenedesmus opoliensis var. *setosus* 445
Scenedesmus ovalternus 469
Scenedesmus pannonicus 446
Scenedesmus pectinatus 421
Scenedesmus pectinatus var. *bernardii* 422
Scenedesmus planctonicus 466
Scenedesmus platydiscus 469
Scenedesmus platydiscus fo. *minor* 469
Scenedesmus protuberans 446
Scenedesmus protuberans fo. *minor* 446
Scenedesmus protuberans var. *aristatus* 446
Scenedesmus pseudobernardii 422
Scenedesmus pseudogranulatus 441
Scenedesmus pseudohystrix 443
Scenedesmus quadricauda 442
Scenedesmus quadricauda var. *abundans* 439, 446
Scenedesmus quadricauda var. *acutispinus* 445
Scenedesmus quadricauda var. *asymmetricus* 441
Scenedesmus quadricauda var. *bicaudata* 441
Scenedesmus quadricauda var. *costata* 441
Scenedesmus quadricauda var. *dentatus* 442
Scenedesmus quadricauda var. *dispar* 442
Scenedesmus quadricauda var. *helveticus* 441
Scenedesmus quadricauda var. *insignis* 443
Scenedesmus quadricauda var. *maximus* 445
Scenedesmus quadricauda var. *oahuensis* 445
Scenedesmus quadricauda var. *setosus* 445
Scenedesmus quadrispina 442
Scenedesmus raciborskii 422
Scenedesmus reniformis 469
Scenedesmus semicristatus 441
Scenedesmus semipulcher 441
Scenedesmus sempervirens 439
Scenedesmus serratus 446
Scenedesmus serratus fo. *minor* 446
Scenedesmus spicatus 446
Scenedesmus spinosus 446
Scenedesmus subspicatus 446
Scenedesmus tenuispina 443
Scenedesmus velitaris 441
Scenedesmus transilvanicus 442
Scenedesmus verrucosus 420, 423, 443, **469**
Scenedesmus wisconsinensis 422
SCHERFFELIA 361, 368
Scherffelia dubia 359, **361**
Scherffelia opisthostigma 361
Scherffelia ovata 361
Scherffelia pelagica 361
SCHIZOCHLAMYDELLA 374, **496**
Schizochlamydeella delicatula 303, 379, 428, **496**
SCHIZOCHLAMYS 374, **378**
Schizochlamys delicatula 496
Schizochlamys gelatinosa **379**
Schizogonium murale 569
SCHIZOMERIS 370, **546**
Schizomeris leibleinii **546**, 562
Schizosiphon meneghiniana 134
SCHIZOTHRIX Pl. 4A, Pl. 5A, 79, 92, 111, 116
Schizothrix calcicola **112**
Schizothrix coriacea 87, 93, 104, **112**, 114, 134
Schizothrix coriacea var. *endolithica* 114
Schizothrix cresswellii **112**, 113
Schizothrix cuspidata 112, **113**
Schizothrix delicatissima 112, **113**
Schizothrix fasciculata 112, **113**
Schizothrix fasciculata fo. *semiglobosa* **113**
Schizothrix friesii 87, 112, **113**
Schizothrix fritschii 112
Schizothrix funalis 112, **113**
Schizothrix heufferi 112, **113**
Schizothrix lacustris 112, **114**
Schizothrix lardacea 112, 114
Schizothrix lateritia 87, 112, **114**
Schizothrix muelleri 87, 112, **114**
Schizothrix perforans 87, 112, **114**
Schizothrix pulvinata 113, **114**
Schizothrix rubella 112, 113, **114**
Schizothrix rubra 84
Schizothrix tinctoria 87, 112, **114**
Schizothrix vaginata 112, **114**
SCHROEDERIA 369, 425, **470**
Schroederia ancora 425
Schroederia judayi 425
Schroederia robusta 457, **470**
Schroederia setigera 457, **470**, 478
Schroederia setigera var. *ancora* 425
Schroederia judayi 425
SCHULZIELLA 377
Schulziella pseudovolvox 377
Sciadium arbuscula 330
SCOLIONEIS 352
Scotiella cryophila 395, 497
Scotiella fritschii 497
Scotiella nivalis 395, 497
Scotiella oocystiformis 444
SCOTIELLOCYSTIS 444
SCOTIELLOPSIS 367, 444
Scotiellopsis oocystiformis 444
Scotinosphaera paradoxa 477
SCOURFIELDIALES 360
SCOURFIELDIA 360, 363, 369
Scourfieldia caeca 359, **360**
Scourfieldia complanata 359, **360**
Scourfieldia cordiformis 359, **360**
Scourfieldia magnopyrenoidea 360
SCOURFIELDIALES **360**
SCYTONEMA 32, 34, 38, **145**
Scytonema **145**
Scytonema byssoideum 149
Scytonema cinnatum 145
Scytonema crispum **145**, 147
Scytonema crustaceum **148**
Scytonema figuratum 148
Scytonema hofmanni 147, **148**
Scytonema julianum **148**
Scytonema mirabile 147, **148**
Scytonema myochrous Pl. 5B, Pl. 8D, 141, 147, **148**
Scytonema ocellatum 147, **148**
SCYTONEMACEAE 37
SCYTONEMATACEAE 79, 118
SELENASTRACEAE 452
SELENASTRUM 374, 455, **470**
Selenastrum acuminatum 419
Selenastrum americanum 471
Selenastrum bibraianum 454, **470**
Selenastrum bifidum 460
Selenastrum capricornutum 455, 456
Selenastrum gracile 454, **470**
Selenastrum minutum 460
Selenastrum obesum **455**
Selenastrum westii 470
Selenochloris stigmatophora 399
Selenosphaerium americanum 471
SELLAPHORA 352, 353
Sellaphora pupula 349
SEMIORBIS 351
Sennia commutata 361
SIDEROCELIS 369, **497**
Siderocelis balatonica 497
Siderocelis minor 449, **497**
Siderocelis minutissima 475
Siderocelis ornata 449, **497**
SIDEROCYSTIS 497
Siderocystis fusca 497
SIDEROCYSTOPSIS 369, 483, **497**
Siderocystopsis fusca 497
Siderocystopsis punctifera 489, **497**
Siderocystopsis ornata 466
SIMONSENIA 352
SIPHONOCLADALES 557
SIPHONONEMA 75
Siphononema polonicum 48, 75
SIPHONOCLADALES 557
SIRODOTIA 159, 161, **178**
Sirodotia acuminata 178
Sirodotia fennica 178
Sirodotia suecica 173, 176, **178**
Sirodotia tenuissima 178
SIROGONIUM 370, **567**, 588
Sirogonium sticticum 578, **587**
Skadowskiella sphagnicola 315
SKELETONEMA 350
SKUJASTER 490
Slimy-fruited stonewort 726
Snail(s) 534, 538
SNOWELLA 40, 61, 75
Snowella lacustris Pl. 6C, 75
SOLINA 430
SORASTRUM 374, **471**
Sorastrum americanum 438, **471**
Sorastrum cornutum 471
Sorastrum crassispinosus 471
Sorastrum spinulosum 438, **471**
Sorastrum spinulosum var. *crassispinosum* 471
SPARGANIUM 355
SPERMATOZOPSIS 368, **405**
Spermatozopsis exsultans 394, **406**
Spermatozopsis similis **406**
SPHACELARIALES 354

862 TAXONOMIC INDEX

- Sphaenosiphon aquae-dulcis* 56
Sphaenosiphon leibleinia 46
Sphaenosiphon olivacea 56
Sphaenosiphon roseus 77
Sphaerastrum verrucosum 433
Sphaerella 399
Sphaerella lacustris 400
Sphaerella pluvialis 400
Sphaerella nivalis 390
Sphaerellocystis stellata 379
SPHAERELLOPSIS 368, 384, 385, 388, 392, 403, 406, 407
Sphaerellopsis fluviatilis 394, 406
Sphaerellopsis
 gloeocystiformis 394, 406
Sphaerellopsis lefevrei 394, 406
Sphaerellopsis montana 394, 406
Sphaerellopsis mucosa 394, 407
Sphaerellopsis spiralis 394, 407
Sphaerellopsis velata 394, 407
Sphaerellopsis vestita 407
SPHAEROBOTRYS 374, 417
Sphaerobotrys fluviatilis 417, 428
SPHAEROBRYON 282, 303
Sphaerobryon fimbriatum 300, 303
Sphaerocarpus angustus 580
Sphaerocarpus depressus 583
Sphaerocarpus nummuloides 583
Sphaerocarpus ovalis 585
Sphaerocarpus parvulus 585
Sphaerocarpus recurvus 585
SPHAEROCYSTIS 375, 378, 417, 433, 466, 468
Sphaerocystis planctonica 418
Sphaerocystis polycoeca 434
Sphaerocystis schroeteri 381, 418, 428, 433, 466
SPHAERODINIUM 264
Sphaerodinium cinctum 264
Sphaerogonium fuscum 49
Sphaerogonium incrustans 49
Sphaerogonium minutum 49
Sphaerogonium polonicum 49
SPHAEROPLEA 370, 471
Sphaeroplea annulina 472
Sphaeroplea annulina var. *soleirolii* 471
Sphaeroplea cambrica 471, 472
Sphaeroplea soleirolii 471, 472, 562
SPHAEROPLEALES 410, 419, 425, 460, 471
Sphaeroplethra soleirolii 471
SPHAEROSPERMUM 119, 126, 148
Sphaerospermum
 aphanizomenoides 126, 149
Sphaerospermum calcareum 580
SPHAEROZOSMA 119, 366, 734, 739
Sphaerozosma aubertianum 739
Sphaerozosma aubertianum var. *archeri* 739
Sphaerozosma excavatum 741
Sphaerozosma filiforme 739
Sphaerozosma granulatum 741
Sphaerozosma pulchrum var. *planum* 741
Sphaerozosma vertebratum 735, 739
Sphaerozosma vertebratum var. *latius* 739
Sphaerozosma vertebratum var. *punctulatum* 739
Sphaerozyga 119
Sphagnum 15, 17, 38, 54, 125, 155, 185, 190, 218, 233, 315, 319, 325, 333, 346, 360, 374, 375, 379, 382, 390, 393, 407, 411, 416, 422, 430, 460, 483, 491, 496, 526, 532, 539, 565, 566, 580, 585, 606, 608, 610, 613–616, 618, 620, 622, 623, 625, 627, 628, 631, 632, 634–638, 647–650, 652–656, 658, 660, 661, 663, 666–668, 672, 673, 676, 677, 679, 680, 681, 683, 688, 691–693, 696, 703–706, 709, 712–716, 718, 723, 724, 733, 737, 738, 767
Sphagnum cuspidatum 681
Sphagnum papillosum 390
Sphaleromantis tetragona 286
SPHENOMONADALES 182, 183, 234
SPINIFEROMONAS 282, 393
Spiniferomonas bourrellyi 300, 303
Spiniferomonas cornuta 303
Spiniferomonas serrata 303
Spiniferomonas trioralis 303
Spirodiscus cochlearis 330
SPIROGYRA Pl. 1D, 6, 14, 21, 27, 362, 370, 554, 563, 576, 577, 587, 603, 607, 615
Spirogyra adnata 593, 601
Spirogyra affinis 577, 588, 589, 590
Spirogyra arta var. *catenaeformis* 592
Spirogyra bellis 589, 594
Spirogyra borgeana 588, 589, 591
Spirogyra borysthenica 589, 596
Spirogyra britannica 589, 592, 596
Spirogyra calospora 598
Spirogyra calospora fo. *gracilior* 598
Spirogyra calospora fo. *minor* 598
Spirogyra catenaeformis 588, 589, 590, 592
Spirogyra catenaeformis var. *parvula* 598
Spirogyra circumlineata 588, 591, 592
Spirogyra colligata 588, 590, 592
Spirogyra communis 588, 590, 592, 593, 601
Spirogyra condensata 588, 591, 592
Spirogyra crassa 589, 592, 593, 596
Spirogyra crassiuscula 589, 593, 596
Spirogyra cylindrosperma 602
Spirogyra cylindrospora 602
Spirogyra decima 588, 591
Spirogyra decima var. *cylindrosperma* 602
Spirogyra dubia 588, 593, 594
Spirogyra ellipsospora 602
Spirogyra elliptica 602
Spirogyra flavescens 588, 590, 593
Spirogyra flavescens fo. *flavescens* 593
Spirogyra flavescens fo. *parva* 592
Spirogyra fluviatilis 588, 593, 594, 602
Spirogyra gibberosa 588, 593, 599
Spirogyra gracilis 588, 590, 593
Spirogyra gracilis var. *flavescens* 593
Spirogyra grevilleana 589, 595, 599
Spirogyra hassallii 588, 594, 595
Spirogyra inflata 589, 595, 599, 600
Spirogyra insignis 589, 595, 596
Spirogyra juergensii 597
Spirogyra jugalis 589, 595, 596, 600
Spirogyra laxa 589, 590, 595
Spirogyra longata 511, 590, 595, 601
Spirogyra longata var. *communis* 595
Spirogyra lutetiana 590, 597
Spirogyra lutetiana var. *minor* 597
Spirogyra majuscula 588, 594, 597, 598, 602
Spirogyra maxima 589, 593, 596, 597
Spirogyra maxima fo. *megaspora crassiuscula* 593
Spirogyra mirabilis 588, 591, 597
Spirogyra neglecta 589, 592, 594, 597
Spirogyra nitida 589, 592, 593, 594, 597, 601, 607
Spirogyra oblata 602
Spirogyra orthospira 507, 602
Spirogyra parva 588, 590, 597
Spirogyra parvula 588, 590, 598
Spirogyra pellucida 588, 591, 598
Spirogyra porticalis 588, 591, 593, 598, 601
Spirogyra porticalis var. *decima* 593
Spirogyra porticalis var. *quinina* 598
Spirogyra porticalis var. *rivularis* 598
Spirogyra protecta 589, 598, 599
Spirogyra quadrata 589, 598, 599
Spirogyra reflexa 588, 591, 598
Spirogyra reticulata 589, 596, 600
Spirogyra rivularis 588, 594, 600
Spirogyra rostrata 607
Spirogyra scrobiculata 588, 591, 600
Spirogyra setiformis 589, 595, 596, 600
Spirogyra singularis 588, 593, 599, 600
Spirogyra spreeiana 589, 595, 599, 600
Spirogyra subechinata 589, 596, 600
Spirogyra submargaritata 589, 596, 600
Spirogyra suecica 589
Spirogyra tenuissima 577, 589, 598, 601
Spirogyra ternata 589, 594, 601
Spirogyra triformis 602
Spirogyra turfosa 589, 594, 601
Spirogyra varians 588, 591, 601
Spirogyra varians var. *scrobiculata* 600
Spirogyra velata 588, 591, 601
Spirogyra weberii 589, 590, 601
Spirogyra weberi fo. *inequalis* 601
SPIROTAENIA 365, 366, 614
Spirotaenia acuta 615
Spirotaenia alpina 615
Spirotaenia condensata 612, 614, 615
Spirotaenia diplohelica 614, 615
Spirotaenia eboracensis 615
Spirotaenia endospira 615
Spirotaenia erythrocephala 615
Spirotaenia fusiformis 615
Spirotaenia kirchneri 615
Spirotaenia kirchneri var. *erythropunctata* 615
Spirotaenia minuta 615
Spirotaenia parvula 615
Spirotaenia tenerrima 615
Spirotaenia truncata 615
Spirotaenia turfosa 615
SPIRULINA 81, 114, 116

- Spirulina abbreviata* 115
Spirulina jenniferi 81
Spirulina labyrinthiformis 115, 116
Spirulina laxissima 115
Spirulina maior 110, 115
Spirulina meneghiniana 115
Spirulina nordstedtii 115
Spirulina rosea 115
Spirulina subsalsa 110, 115
Spirulina subtilissima 115
Spirulina tenerrima 115, 116
Spirulina versicolor 115
SPONDYLIOSIUM 366, 734, 741
Spondylosium ellipticum 741
Spondylosium lundellii var. *triquetrum* 741
Spondylosium moniliforme 741
Spondylosium papillosum 741
Spondylosium planum 735, 741
Spondylosium pulchellum 735, 741
Spondylosium pygmaeum 741
Spondylosium pygmaeum var. *compressum* 741
Spondylosium pygmaeum var. *monile* 741
Spondylosium secedens 741
Spondylosium tetragonum 741
Sponges 4
SPONGIOCHLORIS 477
SPOROTETRAS 374, 472
Sporotetras pyriformis 472, 527
spruce 570
SPUMELLA 281, 301
Spumella elongata 301
STANIERIA 59, 75
Stanieria sphaerica 73, 75
STAURASTRUM 366, 377, 697, 698, 734
Staurastrum acarides 719
Staurastrum acarides var. *eboracense* 719
Staurastrum aciculiferum 706
Staurastrum alternans 699, 702, 708
Staurastrum anatinum 377, 698, 701, 702, 710
Staurastrum anatinum var. *aculeatum* 719
Staurastrum anatinum var. *biradiatum* 719
Staurastrum anatinum var. *controversum* 719
Staurastrum anatinum var. *grande* 719
Staurastrum anatinum var. *paradoxum* 719
Staurastrum anatinum var. *truncatum* 719
Staurastrum anatinum var. *vestitum* 719
Staurastrum apiculatum 723
Staurastrum arachne 702, 710
Staurastrum arachne var. *arachnoides* 719
Staurastrum arachne var. *curvatum* 719
Staurastrum archerii 719
Staurastrum arctiscon 701, 702, 711
Staurastrum arcuatum 719
Staurastrum arcuatum var. *guitanense* 719
Staurastrum armigerum 703, 708
Staurastrum armigerum fo. *furcigerum* 700, 703, 708
Staurastrum arnellii 719
Staurastrum arnellii var. *inornatum* 719
Staurastrum arnellii var. *spiniferum* 719
Staurastrum asperum 699, 703, 708
Staurastrum aversum 722
Staurastrum avicula 700, 703, 708
Staurastrum avicula var. *subarcuatum* 719
Staurastrum bacillare 719
Staurastrum bacillare var. *obesum* 719
Staurastrum barbaricum 719
Staurastrum barbulae 719
Staurastrum
bibrachiatum 719
Staurastrum bicorne 719
Staurastrum bieneanum 699, 703, 740
Staurastrum bieneanum var. *ellipticum* 719
Staurastrum bifidum 719
Staurastrum bloklandii 719
Staurastrum boreale 719
Staurastrum borgeanum 719
Staurastrum botrophilum 719
Staurastrum brachiatum 329, 701, 703, 710
Staurastrum brachiatum var. *longipedum* 719
Staurastrum brachiatum fo. *minus* 719
Staurastrum brachycerum 719
Staurastrum brasiliense 700, 703
Staurastrum brasiliense var. *lundelli* 699, 703, 708
Staurastrum brebissonii 700, 704, 708
Staurastrum brebissonii var. *brevispinum* 719
Staurastrum brevispinum 722
Staurastrum bulbosum 719
Staurastrum capitulum 719
Staurastrum capitulum var. *dimidio-minus* 719
Staurastrum capitulum var. *spetsbergense* 719
Staurastrum cerastes 702, 704, 740
Staurastrum cerastes var. *triradiatum* 719
Staurastrum chaetoceras 697, 701, 704, 710, 718
Staurastrum chavesii 694, 701, 704
Staurastrum cingulum 702, 704, 710
Staurastrum cingulum var. *affine* 719
Staurastrum cingulum var. *obesum* 705, 710
Staurastrum circulare var. *americanum* 716
Staurastrum clepsydra 705
Staurastrum clepsydra var. *undulatum* 694, 699, 705
Staurastrum clevei 719
Staurastrum coarctatum 719
Staurastrum coarctatum var. *subcurtum* 719
Staurastrum controversum 719
Staurastrum cornutum 694, 700, 705
Staurastrum cosmarioides 719
Staurastrum cosmospinosum 719
Staurastrum crenulatum 701, 705, 710, 714
Staurastrum cristatum 694, 700, 705
Staurastrum cumbricum 719
Staurastrum cumbricum var. *cambicum* 719
Staurastrum cuspidatum 722
Staurastrum cyathipes 719
Staurastrum cyrtocerum 702, 705, 710
Staurastrum cyrtocerum var. *compactum* 719
Staurastrum denticulatum 699, 706, 708
Staurastrum dejectum 723
Staurastrum diacanthum 719
Staurastrum dickiei 723
Staurastrum dickiei var. *circulare* 723
Staurastrum dilatatum 699, 707, 708
Staurastrum dilatatum var. *hibernicum* 719
Staurastrum dispar 719
Staurastrum disputatum 719
Staurastrum donardense 694, 699, 706
Staurastrum dorsidentiferum 719
Staurastrum dorsidentiferum var. *ornatum* 714
Staurastrum duacense 719
Staurastrum dubium 719
Staurastrum eboracense 719
Staurastrum echinodermum 719
Staurastrum ellipticum 719
Staurastrum elongatum 701, 706, 707
Staurastrum enorme 332
Staurastrum erasum 719
Staurastrum forficulatum 719
Staurastrum franconicum 719
Staurastrum furcatum 700, 706, 708
Staurastrum furcatum var. *aciculiferum* 706, 707
Staurastrum furcatum var. *subsenarium* 719
Staurastrum furcigerum var. *eustephanum* 719
Staurastrum furcigerum var. *reductum* 719
Staurastrum gatniense 719
Staurastrum glabrum 723
Staurastrum gladiosum 719
Staurastrum gladiosum var. *delicatulum* 719
Staurastrum gracile 698, 701, 702, 706, 710, 715
Staurastrum gracile nanum 719
Staurastrum grande Pl. 2K, 699, 707, 709
Staurastrum granulosum 719
Staurastrum granulosum var. *acutum* 719
Staurastrum haaboeliense 719
Staurastrum heimerlianum 719
Staurastrum heimerlianum var. *spinulosum* 719
Staurastrum hexacerum 719
Staurastrum hexacerum var. *semicirculare* 719
Staurastrum hirsutum 700, 709, 710
Staurastrum hirsutum var. *muricatum* 709, 710
Staurastrum horametrum 719
Staurastrum hystrix 719
Staurastrum inconspicuum 701, 709, 710
Staurastrum inconspicuum var. *crassum* 719
Staurastrum inconspicuum var. *planctonicum* 719
Staurastrum inflatum 719
Staurastrum inflexum 702, 709, 711
Staurastrum inflexum var. *brachycerum* 719
Staurastrum iotanium 719
Staurastrum johnsonii 701, 709, 711
Staurastrum kaiseri 719
Staurastrum kjellmanii 715
Staurastrum kouwetsii 719
Staurastrum laeve 719
Staurastrum laevispinum 699, 719
Staurastrum lapponicum 699, 707, 709, 719
Staurastrum leptocladum 709
Staurastrum longipes 701, 711, 712

864 TAXONOMIC INDEX

- Staurastrum longipes* var. *contractum* 712
Staurastrum longispinum 700, 708, 712
Staurastrum longispinum var. *bidentatum* 712, 719
Staurastrum lunatum 700, 708, 712
Staurastrum lunatum var. *planctonicum* 712
Staurastrum maamense 700, 710, 712
Staurastrum mamillatum 724
Staurastrum manfeldtii 702, 711, 712
Staurastrum manfeldtii var. *annulatum* 719
Staurastrum manfeldtii var. *splendidum* 719
Staurastrum margaritaceum 700, 711, 713
Staurastrum margaritaceum var. *coronulatum* 719
Staurastrum margaritaceum var. *hirtum* 719
Staurastrum margaritaceum var. *robustum* 719
Staurastrum margaritaceum var. *subcontortum* 719
Staurastrum megacanthum 724
Staurastrum megacanthum var. *scoticum* 724
Staurastrum megalonotum 719
Staurastrum meriani 699, 708, 713
Staurastrum meriani var. *minutum* 719
Staurastrum micron 701, 713, 719
Staurastrum micron var. *perpendiculatum* 719
Staurastrum micron var. *spinulosum* 701, 707, 713
Staurastrum monticulosum 699, 713, 740
Staurastrum monticulosum var. *bifarium* 713
Staurastrum monticulosum var. *groenlandicum* 719
Staurastrum muricatum 709
Staurastrum muricatum var. *acutum* 715
Staurastrum muticum 699, 708, 713
Staurastrum muticum fo. *bieneanum* 703
Staurastrum muticum var. *depressum* 719
Staurastrum muticum var. *extensum* 719
Staurastrum muticum var. *hibernicum* 719
Staurastrum muticum var. *ralfsii* 719
Staurastrum natator 701, 707, 713
Staurastrum nodosum 719
Staurastrum oligacanthum 719
Staurastrum oligacanthum var. *incisum* 719
Staurastrum ophiura 701, 711, 713
Staurastrum ophiura var. *cambricum* 719
Staurastrum orbiculare 699, 708, 714
Staurastrum orbiculare var. *bieneanum* 703
Staurastrum orbiculare var. *depressum* 719
Staurastrum orbiculare var. *extensum* 719
Staurastrum orbiculare var. *hibernicum* 719
Staurastrum orbiculare var. *ralfsii* 699, 714
Staurastrum ornatum 719
Staurastrum oxyacanthum 702, 707, 714
Staurastrum paradoxum 698
Staurastrum paradoxum var. *cingulum* 704
Staurastrum paradoxum var. *longipes* 712
Staurastrum paradoxum var. *nodulosum* 719
Staurastrum pelagicum 719
Staurastrum paxilliferum 719
Staurastrum pendulum var. *pinguiforme* 719
Staurastrum picum 719
Staurastrum pileolatum 719
Staurastrum pileolatum var. *cristatum* 719
Staurastrum pilosellum 719
Staurastrum pilosum 704
Staurastrum pilosum 719
Staurastrum pingue 697, 701, 705, 711, 714
Staurastrum planctonicum 700, 711, 714
Staurastrum planctonicum var. *ornatum* 714
Staurastrum polymorphum 715
Staurastrum polymorphum var. *chaetoceras* 704
Staurastrum polymorphum var. *pygmaeum* 719
Staurastrum polymorphum *subtile* 719
Staurastrum polytrichum 700, 710, 714
Staurastrum proboscideum 700, 711, 715
Staurastrum productum 702, 707, 715
Staurastrum pseudopelagicum 701, 708, 715
Staurastrum pseudosebaldi 719
Staurastrum pseudosebaldi var. *simplicius* 719
Staurastrum pseudotetracerum 719
Staurastrum punctulatum 699, 708, 715
Staurastrum punctulatum var. *coronatum* 719
Staurastrum punctulatum var. *kjellmanii* 708, 715
Staurastrum punctulatum var. *pygmaeum* 708, 715
Staurastrum punctulatum var. *striatum* 719
Staurastrum punctulatum var. *subproductum* 719
Staurastrum pungens 720
Staurastrum pygmaeum 715
Staurastrum pyramidatum 700, 710, 715
Staurastrum quadrangulare 699, 720, 715
Staurastrum quadrangulare var. *contextum* 715, 717
Staurastrum quadrangulare var. *pygmaeum* fo. *trilineatum* 720
Staurastrum quadrispinatum 720
Staurastrum retusum 720
Staurastrum retusum var. *boreale* 720
Staurastrum rhabdophorum 720
Staurastrum rugulosum 720
Staurastrum saxonicum 720
Staurastrum scabrum 720
Staurastrum schmidlei 716
Staurastrum schmidlei var. *americanum* 699, 707, 716
Staurastrum sebaldi 702, 711, 716
Staurastrum sebaldi var. *ornatum* 716
Staurastrum sebaldi var. *productum* 715, 720
Staurastrum senarium 720
Staurastrum setigerum 699, 716, 740
Staurastrum setigerum fo. *maius* 720
Staurastrum sexangulare 701, 711, 716
Staurastrum sexcostatum 700, 716, 717
Staurastrum sexcostatum var. *productum* 720
Staurastrum simonyi 700, 708, 716
Staurastrum smithii 720
Staurastrum spiniferum 720
Staurastrum spongiosum 700, 710, 718
Staurastrum spongiosum var. *griffithsianum* 720
Staurastrum spongiosum var. *perbifidum* 720
Staurastrum striolatum 720
Staurastrum subavicula 720
Staurastrum subcruciatum 720
Staurastrum sublaevispinum 720
Staurastrum subnudibrachiatum 720
Staurastrum suborbiculare 720
Staurastrum subpygmaeum 699, 700, 717, 718
Staurastrum subscabrum 720
Staurastrum subscabrum fo. *scabior* 720
Staurastrum teliferum 700, 710, 718
Staurastrum tetracerum 701, 711, 718
Staurastrum tetracerum var. *evolutum* 720
Staurastrum tetracerum var. *irregulare* 720
Staurastrum tetracerum var. *triradiata* 711
Staurastrum tohopekaligense 720
Staurastrum tohopekaligense var. *trifurcatum* 720
Staurastrum trachythiphorum 720
Staurastrum trapezium 699, 717, 718
Staurastrum tumidum 726
Staurastrum turgescens 720
Staurastrum uhtense 720
Staurastrum ungeri 720
Staurastrum verticillatum 701, 717, 718
Staurastrum vestitum 701, 720
Staurastrum vestitum var. *subanatinum* 720
 STAURIDIUM 463
Stauridium privum 465
Stauridium tetras 465
Staurocarpus capucinus 580
Staurocarpus coeruleus 580
Staurocarpus gracillimus 580
Staurocarpus quadratus 585
Staurocarpus virescens 586
Staurocarpus viride 586
 STAURODESMUS 366, 697, 703, 712, 720, 721
Staurodesmus angulatus 726
Staurodesmus angulatus var. *planctonicum* 726
Staurodesmus aristiferus 726
Staurodesmus aristiferus var. *protuberans* 726
Staurodesmus aversus 720, 722, 726
Staurodesmus bieneanum 703
Staurodesmus brevispinus 720, 722, 726

- Staurodesmus brevispinus* var. *altus* 726
Staurodesmus brevispinus var. *boldtii* 726
Staurodesmus brevispinus var. *obversus* 726
Staurodesmus brevispinus var. *retusum* 726
Staurodesmus bulnheimii 722, 740
Staurodesmus bulnheimii var. *subincus* 726
Staurodesmus connatus 726
Staurodesmus conspicuus 726
Staurodesmus controversus 726
Staurodesmus convergens 721, 722, 725
Staurodesmus convergens var. *laportei* 726
Staurodesmus convergens var. *pumilus* 726
Staurodesmus convergens var. *ralfsii* 726
Staurodesmus corniculatus 726
Staurodesmus crassus 720, 722, 725
Staurodesmus cuspidatus 720, 722, 724, 725
Staurodesmus cuspidatus var. *canadense* 726
Staurodesmus cuspidatus var. *curvatus* 726
Staurodesmus dejectus 720, 721, 723, 725
Staurodesmus dejectus fo. *major* 579
Staurodesmus dejectus var. *apiculatus* 723, 725
Staurodesmus dickiei 721, 723, 725
Staurodesmus dickiei var. *circularis* 717, 723
Staurodesmus dickiei var. *longispinus* 726
Staurodesmus dickiei var. *rhomboideus* 726
Staurodesmus extensus 720, 723, 725
Staurodesmus extensus var. *joshuae* 717, 723
Staurodesmus extensus var. *longispinus* 726
Staurodesmus glaber 721, 723, 725
Staurodesmus glaber var. *debaryanus* 726
Staurodesmus glabrus 726
Staurodesmus grandis 709
Staurodesmus grandis var. *parvus* 726
Staurodesmus incus 722, 723, 740
Staurodesmus incus fo. *minor* 724
Staurodesmus incus var. *indentatus* 724
Staurodesmus incus var. *ralfsii* 720, 724, 740
Staurodesmus indentatus 721, 724, 725
Staurodesmus inelegans 726
Staurodesmus jaculiferus 726
Staurodesmus lanceolatus 726
Staurodesmus lanceolatus var. *compressus* 726
Staurodesmus leptodermus
Staurodesmus mamillatus 720, 722, 724, 725
Staurodesmus mamillatus var. *maximus* 727
Staurodesmus megacanthus 721, 724, 725
Staurodesmus megacanthus var. *orientalis* 727
Staurodesmus megacanthus var. *scoticus* 724, 725
Staurodesmus megacanthus var. *subcurvatus* 727
Staurodesmus minutissimus 727
Staurodesmus mucronatus 727
Staurodesmus mucronatus var. *subtriangulatus* 727
Staurodesmus obesus 727
Staurodesmus omearae ('o'meari') 727
Staurodesmus omearae var. *minutes* 727
Staurodesmus pachyrhynchus 727
Staurodesmus patens 727
Staurodesmus patens var. *minutus* 727
Staurodesmus phimus 724, 727
Staurodesmus phimus var. *hebridarus* 717, 720, 724
Staurodesmus phimus var. *occidentalis* 727
Staurodesmus pterosporus 727
Staurodesmus quadratus 727
Staurodesmus quirificus 727
Staurodesmus sellatus 722, 724, 725
Staurodesmus sibiricus 727
Staurodesmus spencerianus 727
Staurodesmus spetsbergensis 727
Staurodesmus spetsbergensis var. *floriniae* 727
Staurodesmus subpygmaeus 718, 727
Staurodesmus subpygmaeus var. *subangulatus* 727
Staurodesmus subtriangularis 721, 725, 726
Staurodesmus subtriangularis var. *inflatus* 727
Staurodesmus subulatus 722, 725, 726
Staurodesmus subulatus var. *subaequalis* 727
Staurodesmus triangularis 720, 725, 726
Staurodesmus triangularis var. *americanus* 727
Staurodesmus triangularis var. *limneticus* 727
Staurodesmus triangularis var. *subhexagonus* 727
Staurodesmus tumidus 717, 720, 726
Staurodesmus unicornis var. *obesus* 727
Staurodesmus validus 722, 725, 726
 STAUROFORMA 350
 STAUROGENIA 434
Staurogenia apiculata 479
Staurogenia crucifera 479
Staurogenia fenestrata 435
Staurogenia heteracantha 474
Staurogenia lauterbornii 435
Staurogenia multiseta 488
Staurogenia tetrapedia 435
Staurogenia triangularis 474
 STAURONEMA 153
 STAUROPHORA 352
 STAUROSEIRA 350
 STAUROSIPELLA 350
Staurospermum gracillimum 583
Staurospermum quadratum 585
Staurospermum viride 586
Stenactinum crenulatum 705
 STENOCALYX 298
Stenocalyx monilifera 299
 STENOPTEROBIA 352
 STEPHANOCOSTIS 350
 STEPHANODISCUS 350, 353
 STEPHANOSPHERA 367, 399, 407
Stephanosphaera pluvialis 397, 407, 408
 STICHOCOCCUS 371, 532, 546
Stichococcus bacillaris 538, 546, 558
Stichococcus contortus 546, 547, 558
Stichococcus dissectus 555
Stichococcus fluitans 556
Stichococcus minutissimus 546, 547, 558
Stichococcus pelagicus 546, 547, 559
Stichococcus pelagicus fo. *spiralis* 547
Stichococcus spiroides 546
Stichococcus variabilis 547, 558
 STICHOGLOEA 11, 281, 303
Stichogloea delicatula 303, 496
Stichogloea doederleinii 303, 307
Stichogloea olivacea 303, 307
 STICHOSIPHON 47, 50
Stichosiphon pseudopolymorphus 47, 50
 STIGEOCLONIUM Pl. 1B, 372, 525, 530, 537, 543, 545, 546, 547, 563
Stigeoclonium aestivale 550, 551
Stigeoclonium amoenum 548, 549
Stigeoclonium attenuatum 551
Stigeoclonium elongatum 551
Stigeoclonium falklandicum var. *anglicum* 551
Stigeoclonium farctum 548, 549
Stigeoclonium farctum var. *anglicum* 548
Stigeoclonium farctum var. *rivulare* 548
Stigeoclonium farctum var. *simplex* 548
Stigeoclonium fastigiatum 548, 550
Stigeoclonium flagelliferum 551
Stigeoclonium gracile 545
Stigeoclonium helveticum 548, 549
Stigeoclonium helveticum var. *minus* 548
Stigeoclonium longipilum 548, 549
Stigeoclonium lubricum 548, 549, 550, 501
Stigeoclonium nanum 548, 549, 550
Stigeoclonium pachydermum 551
Stigeoclonium protensum 547, 549, 550
Stigeoclonium subsecundum 548, 550, 551
Stigeoclonium tenue 548, 549, 550, 551
Stigeoclonium thermale 551
Stigeoclonium uniforme 551
Stigeoclonium variabile 548
 STIGONEMA 38, 153, 156
Stigonema hormoides 156
Stigonema informe 156, 157
Stigonema mamillosum Pl. 8E, F, 152, 154, 156, 157
Stigonema 'mammillosum' 157
Stigonema minutum 154, 156, 157
Stigonema ocellatum 154, 156, 157, 158
Stigonema panniforme 154, 156, 158
Stigonema tomentosum 156, 158
 STIGONEMATALES 37, 77, 152
 STIPITOCOCCUS 319, 334
Stipitococcus urceolatus 320, 333
Stonewort(s) 1, 19, 653, 742

866 TAXONOMIC INDEX

- Stratonostoc kilmani 139
Streblonema fluviatile 357
Streblonema longiseta 355
 STREPTOPHYTA 364
 STROMBOMONAS 181, 182, 183, **213**, 214
Strombomonas acuminata 211, **213**
Strombomonas acuminata var. *triangulata* 213
Strombomonas conspersa 182, 213
Strombomonas deflandrei 211, 213, **214**
Strombomonas eurystoma 211, 213, **214**
Strombomonas tambowika 211, 213, **214**
Strombomonas verrucosa fo. *conspersa* 213, 214
Strombomonas verrucosa fo. *dadai* 213
Strombomonas verrucosa fo. *ovalis* 213
 STYLOCHRYSALIS 306, **308**
Stylochrysalis aurea 307, **308**
Stylococcus aureus 308
 STYLODINIUM 251, 252, **272**
Styloidium grande 272, 273
 STYLONEMATALES 161
 STYLONEMATOOPHYCEAE 161
 STYLOSPHAERIDIUM 366, **379**
Stylosphaeridium stipitatum 379, 380
 SURIRELLA 352
sycamore 570
 SYMBIODINIUM 259
 SYMPOCA 116
Symploca atlantica **116**
Symploca cuspidata 113
Symploca dubia **116**
Symploca hydroides 110, **116**
Symploca muralis 87, **116**
Symploca muscorum 87
Symploca thermalis 116
 SYMPOCASTRUM 111
Symplocastrum friesii 113
Symplocastrum muelleri 114
 SYNCRYPTA 303
Syncrypta elaeochrus 303
Sybcripta janei 305
 SYNECHOCOCCUS 35, 75, 76
Synechococcus aeruginosus 58, 76
Synechococcus bacillaris 76
Synechococcus capitatus 11, 76
Synechococcus crassus 58
Synechococcus elongatus 70, 76
Synechococcus endobioticus 76
Synechococcus grandis 58
Synechococcus parvulus 76
 SYNECHOCYSTIS 76
Synechocystis aquatilis 76
Synechocystis aquatilis var. *minor* 77
Synechocystis endobiotica 76
Synechocystis salina 76
Synechocystis sallensis 76
 SYNEDRA 349, 350
 SYNEDRELLA 350
Synochromonas elaeochrus 303
Synochromonas pallida 305
 SYNURA 310, **315**
Synura curtispina 312, **315**
Synura echinulata 312, **315**
Synura favus 315
Synura petersenii 312, **315**
Synura sphagnicola 312, **315**
Synura spinosa 312, **315**
Synura spinosa var. *curtispina* 315
Synura uvella 312, **315**
 SYNURALES 281, **310**
 SYNUROPHYCEAE 281, 310
 SYNUROPSIS 281, **303**
Synuroopsis elaeochloris **303**
Synuroopsis janei 304, **305**
 TABELLARIA 350
 TABULARIA 360
tea 570
 TEILINGIA 366, 734, **741**
Teilingia excavata 735, **741**
Teilingia excavata var. *subquadrata* 741
Teilingia granulata 735, **741**
Teilingia wallichii 741
Teilingia wallichii var. *anglica* 741
 TELEAULAX 240
 TEMNOGAMETUM 370, 577, 579, **602**
Temnogametum sinense 578, 580, **602**,
 TETMEMORUS 365, **727**
Tetmemorus brebissonii 624, **727**,
Tetmemorus brebissonii var. *attenuatus* 727
Tetmemorus brebissonii var. *minimus* 727, 728
Tetmemorus brebissonii var. *minor* 727, 728
Tetmemorus granulatus 624, **727**
Tetmemorus granulatus var. *attenuatus* 727
Tetmemorus laevis 736, **727**
Tetracerus genevensis 486
 TETRACHLORELLA 373, **497**
Tetrachlorella alternans 436, **498**
Tetrachlorella nephrocellularis 469
 TETRACOCCUS 474
Tetracoccus botryoides 474
 TETRACYCLUS 350
 TETRADESMUS 373, 422, **472**
Tetradasmus cumbricus 423, **472**
Tetradasmus wisconsinensis 422
 TETRADINIUM 256
Tetradinium chiastosporum 253
 TETRAEDRIELLA 319, **332**
Tetraedriella jovetti 322, **332**
Tetraedriella limbata 322, **332**
Tetraedriella polychloris 322, **332**
Tetraedriella regularis 473
 TETRAEDRON 369, 329, 429, **472**
Tetraedron caudatum 472, **473**, 489
Tetraedron caudatum var. *incisum* 473
Tetraedron caudatum var. *longispinum* 743
Tetraedron caudatum var. *punctatum* 473
Tetraedron decussatum 472
Tetraedron dodecaedricum 472
Tetraedron enorme 332, 472
Tetraedron hastatum 332, 472
Tetraedron horridum 472
Tetraedron incus 429, 472,
Tetraedron incus var. *irregulare* 429
Tetraedron limneticum 47, 2
Tetraedron lobulatum 329, 472
Tetraedron minimum 472, **473**, 489
Tetraedron minimum var. *longispinum* 429
Tetraedron minimum var. *apiculato-scrobiculatum* fo. *elegans* **473**
Tetraedron minimum var. *scrobiculata* **473**
Tetraedron muticum 328, 472
Tetraedron octaedricum 472
Tetraedron platyisthmum 473
Tetraedron punctulatum 472
Tetraedron quadratum 473
Tetraedron quadrilobum 473
Tetraedron regulare 472, 473, 489
Tetraedron regulare fo. *minima* 473
Tetraedron regulare fo. *pachyderma* 473
Tetraedron regulare var. *incus* 429
Tetraedron schmidlei 418
Tetraedron schmidlei var. *eurycanthum* 418
Tetraedron spinulosum 460
Tetraedron spinulosum var. *exavatum* 466
Tetraedron tetragonum 472
Tetraedron triappendiculatum 418
Tetraedron trigonum 328, 472
Tetraedron trigonum var. *setigerum* 418
 Tetragonium 399
Tetragonium lacustre 399
Tetrapedia setigera 418
 TETRASEMIS 368
Tetraselmis apiculata 362
Tetraselmis bichlora 361
Tetraselmis contracta 362
Tetraselmis cordiformis 359, **362**
Tetraselmis fontiana 359, **362**
Tetraselmis levis 362
 TETRASPORA 374, 377, **379**, 528
Tetraspora elegans 377
Tetraspora explanata 379
Tetraspora gelatinosa 376, **379**, 380
Tetraspora hexanematoidea **379**, 380
Tetraspora lacustris 378, 381
Tetraspora lemmermannii 378, 379, 380, **381**
Tetraspora limnetica 381
Tetraspora lubrica 379
Tetraspora nygaardii 377
Tetraspora pseudovolvox 377
Tetraspora tenera 377
Tetraspora ulvacea 379
 TERASPORACEAE 376
 TETRASPORALES 376, 379, 413, 766
Tetrasporopsis pseudofenestrata 290
 TETRASTRUM 373, **473**
Tetrastrum anomalum 482
Tetrastrum apiculatum 479
Tetrastrum elegans 438, **474**
Tetrastrum glabrum 473, 474
Tetrastrum heteracanthum 438, **474**
Tetrastrum komarekii 438, 473
Tetrastrum multisetum 488
Tetrastrum multisetum var. *punctatum* 466
Tetrastrum pulloideum 479
Tetrastrum punctatum 466
Tetrastrum rocklandiense 474
Tetrastrum staurogeniaeforme 438
Tetrastrum staurogeniaeforme var. *glabrum* 474
Tetrastrum triangulare 473, **474**
Tetrastrum truncatum 479
 TETRATOMOCOCCUS 417
Tetratomococcus ornatus 417
 THALASSIOSIRA 350
 THAMNIOCHAETE 372, **551**
Thamniochaete aculeata **551**, 552
Thamniochaete huberi **551**
 Thaumatomastigidae 275
 Thaumatomastigaceae 280
 THIOPIEDIA 4, 67, 68

- THORAKOMONAS** 397, **407**
Thorakomonas irregularis 388, **407**
THOREA 4, 159, **178**
Thorea andina 180
Thorea hispida 1, 177, **179**
Thorea lehmannii 180
Thorea ramosissima 180
THOREALES 178
THORELLA 178
TOLYPELLA 365, 566, 742, 743, 747, 762, **763**
Tolypella glomerata 746, 764, 763, 765
Tolypella intricata 742, 746, 764, **763**
Tolypella nidifica 742, 764, 763, **765**
Tolypella prolifera 742, 764, 763, **765**
Tolypella salina 763, **765**
TOLYPOTHRIX 50, 93, 129, 136, 145, 148, **149**, 155
Tolypothrix byssoidea **149**, 151, 152
Tolypothrix calcarata 149, 152
Tolypothrix distorta **149**, 150
Tolypothrix distorta var. *penicillata* **149**, 150
Tolypothrix lanata 152
Tolypothrix penicillata 149, 152
Tolypothrix tenuis 357, **152**, 150, 151
Tolypothrix tenuis var. *calcarata* **152**
TORTITAENIA 365, 576, **615**
Tortitaenia alpina 612, **615**
Tortitaenia luetkemuelleri 612, **615**
Tortitaenia obscura 616
Tortitaenia trabeculata 616
TOVELLIA 252, **260**
Tovellia coronata 258, **260**
Trachelius trichophorum 238
TRACHELOMONAS 23, 181, 182, 183, 213, **214**, 395, 401
Trachelomonas abrupta 216, **217**, **221**
Trachelomonas abrupta var. *minor* 216, **217**, **221**
Trachelomonas acanthostoma 215, **217**, **225**
Trachelomonas acuminata 213
Trachelomonas amphora 216, **217**, **221**
Trachelomonas ampuliformis 216, **217**, **223**
Trachelomonas armata 216, **217**, **221**
Trachelomonas arnoldii 215, **217**, **223**
Trachelomonas atrata var. *pustulosa* 215, **217**, **221**
Trachelomonas bacillifera **217**
Trachelomonas bacillifera var. *minima* **217**, **221**
Trachelomonas bernardinensis 214, **218**, **223**
Trachelomonas bulla 216, **218**
Trachelomonas caudata 214, **218**, **221**
Trachelomonas cervicula 215, **218**, **225**
Trachelomonas cervicula var. *swirenkiana* 218
Trachelomonas cienkowski 216, **218**, **223**
Trachelomonas columba 215, **218**, **225**
Trachelomonas conica 215, **218**, **223**
Trachelomonas conspersa 214
Trachelomonas conradii **224**
Trachelomonas cordata 217
Trachelomonas crenulato-collis 220
Trachelomonas curta 215, **218**, **225**
Trachelomonas cylindrica 215, **218**, 219, **221**
Trachelomonas cylindrica var. *gordeievi* 220
Trachelomonas cylindrica var. *hispidula* 220
Trachelomonas deflandrei 214
Trachelomonas dubia 215, **219**, **221**
Trachelomonas dybowski 215, **223**
Trachelomonas euchlora 216, **219**, **223**
Trachelomonas euchlora var. *cylindrica* 218
Trachelomonas eurystoma 214
Trachelomonas globularis 215, **219**, **225**
Trachelomonas granulata 215, **219**, **221**
Trachelomonas granulosa 216, **219**, **221**, **227**
Trachelomonas granulosa var. *globosa* 216, **219**, **223**
Trachelomonas granulosa var. *oblonga* 219
Trachelomonas granulosa var. *subglobosa* 219
Trachelomonas gregussii 216, **219**, **221**
Trachelomonas hispida 216, **219**, 217, **227**
Trachelomonas hispida fo. *cylindrica* 220
Trachelomonas hispida var. *coronata* 217, **220**, **221**
Trachelomonas hispida var. *crenulato-collis* 217, **220**, **226**
Trachelomonas hispida var. *granulata* 217, **220**, **223**
Trachelomonas intermedia 216, **220**, **225**
Trachelomonas intermedia fo. *crenulato-collis* 216, **220**, **221**
Trachelomonas intermedia var. *crenulato-collis* 220
Trachelomonas klebsii 216, **220**, **221**
Trachelomonas lacustris 216, **220**, **221**
Trachelomonas lefevrei **220**, **221**
Trachelomonas lemmermannii 216, **220**, **223**
Trachelomonas manginii **221**, **222**
Trachelomonas oblonga 215, 219, **222**, **225**
Trachelomonas oblonga var. *pulcherrima* 215
Trachelomonas oblonga var. *punctata* 182, 216, **222**, **225**
Trachelomonas oblonga var. *truncata* **222**, **225**
Trachelomonas ovata 215, **222**, **223**
Trachelomonas perforata 215, **222**, **223**
Trachelomonas pertyi **227**
Trachelomonas planctonica 216, 221, **222**
Trachelomonas playfairii 215, **222**, **223**
Trachelomonas polonica 216, 221, **222**
Trachelomonas pseudobulla 218
Trachelomonas pseudofelix 216, 221, **222**, **225**
Trachelomonas pulchella 216, 221, **222**
Trachelomonas robusta 217, 221, **224**
Trachelomonas rostafinskii 215, **224**, **225**
Trachelomonas rugulosa 215, **224**, **225**
Trachelomonas rugulosa var. *conradii* **224**
Trachelomonas rugulosa var. *meandriana* 215, **224**, **225**
Trachelomonas rugulosa var. *obliqua* 215, **225**
Trachelomonas rugulosa var. *steinii* 215, **225**
Trachelomonas scabra 216, 221, **224**
Trachelomonas similis 216, 221, **224**
Trachelomonas stokesiana **224**
Trachelomonas stokesiana var. *conradii* **224**
Trachelomonas stokesii 216, **224**, **225**
Trachelomonas subverrucosa 215, **224**, **225**
Trachelomonas superba 216, 221, **226**
Trachelomonas sydneyensis 217, 221, **226**
Trachelomonas tambowika 214
Trachelomonas varians 218
Trachelomonas varians fo. *globosa* 218
Trachelomonas varians fo. *minor* **226**
Trachelomonas verrucosa var. *irregularis* 215, **225**, **226**
Trachelomonas volvocina 215, **225**, **226**
Trachelomonas volvocina fo. *minuta* 316
Trachelomonas volvocina var. *derephora* 215, **225**, **226**
Trachelomonas volvocina var. *spiralis* **224**
Trachelomonas volvocina var. *subglobosa* 215, **225**, **226**
Trachelomonas volvocinopsis 215, **225**, **226**
Trachelomonas volvocinopsis var. *punctata* **223**, **226**
Trachelomonas wislouchii 215, **225**, **226**
Trachelomonas woycickii **223**, **226**
Trachelomonas zorensis 216, 221, **227**
Trachelomonas zuberii 215, **225**, **227**
TRACHYDISCUS 319, **333**
Trachydiscus lenticularis **322**, **332**, **333**
TREBOUXIA 367, **500**, 525, 530
Trebouxia arboricola 449, **500**
Trebouxia humicola 500
TREBOUXIALES 410, 499
TREBOUXIOPHYCEAE 361, 364, 410, 475, 525, 526, 539, 542, 567
TRENTEPOHLIA 29, 372, 571, 573, 574, 575
Trentepohlia abietina Pl. 1A, 572, **573**
Trentepohlia aurea 568, 572, **573**, 574
Trentepohlia bleischii 574
Trentepohlia calamicola 568, 574
Trentepohlia flava 573
Trentepohlia iolithus 568, 572, **573**
Trentepohlia lichenicola 574
Trentepohlia odorata 574
Trentepohlia polycarpa 573
Trentepohlia rigidula 571, **574**, 575
Trentepohlia umbrina 568, 572, **573**, **574**
TRENTEPOHLIALES **570**, 574
TREUBARIA 369, 418, 529, 531
Treubaria euryacantha 418
Treubaria limnetica 418
Treubaria schmidlei 418, 489
Treubaria setigera 418, 489

868 TAXONOMIC INDEX

- Treubaria triappendiculata 418, 489
- TRIBONEMA 14, 288, 318, 319, 333, 334, 539, 362, 541
- Tribonema affine 334, 335
- Tribonema bombycinum 334
- Tribonema bombycinum var. utriculosum 334
- Tribonema minus 334, 335
- Tribonema obsoletum 334
- Tribonema utriculosum 334, 335
- Tribonema viride 334, 335
- Tribonema viride fo. minor 334
- Tribonema vulgare 334, 335
- Tribonematalean 318
- TRIBONEMATALES 318, 333
- TRIBOPHYTA 28, 318
- TRICHOCOLEUS 93
- Trichocoleus tenerimus 94
- TRICHODESMIUM 117
- Trichodesmium erythraeum 117
- Trichodesmium lacustre 117
- Trichodesmium thiebautii 117
- Trichodiscus elegans 551
- TRICHOGONIUM 175
- TRICHORMUS 119
- TROCHISCIA 369, 419, 498, 529, 531
- Trochiscia aciculifera var. aciculifera 419
- Trochiscia aciculifera var. pulchra 419
- Trochiscia aspera 449, 498
- Trochiscia granulata 498
- Trochiscia hirta 449, 498
- Trochiscia insignis fo. minor 498
- Trochiscia pachyderma 498
- Trochiscia paucispinosa 498
- Trochiscia planctonica 449, 498
- Trochiscia prescottii 498
- Trochiscia reticularis 449, 498
- Trochiscia stagnalis 498
- Trochiscia uncinata 498
- TRYBLIONELLA 352
- Trypanosomatids 181
- turtle 533
- TUSSETTIA 385
- Tychonema 95, 117
- Tychonema bornetii 34, 79, 97, 117, 118
- Tychonema bornetii fo. intermedia 118
- Tychonema bornetii fo. tenue 118
- Tychonema bourrellyi 97, 118
- Tychonema granulatum 99
- TYLOMONAS 401
- Tylomonas irregularis 410
- Tyndaridea conspicua 603
- Tyndaridea cruciata 605
- Tyndaridea insignis 605
- Tyndaridea ralfsii 606
- Tyndaridea stagnalis 606
- Typha 305, 355, 357
- Ulmus 382
- ULNARIA 350
- ULOTHRIX 371, 544, 553, 554
- Ulothrix amphigranulata 533
- Ulothrix aequalis 553, 561
- Ulothrix aequalis var. cataeniformis 553
- Ulothrix flacca 553
- Ulothrix flaccida 556
- Ulothrix implexa 553, 557
- Ulothrix moniliformis 553, 555
- Ulothrix oscillatorina 554
- Ulothrix pelagica 547
- Ulothrix pelagica fo. spiralis 547
- Ulothrix pseudoflacca var. salina 553
- Ulothrix radicans 553, 569
- Ulothrix spiroides 546, 547
- Ulothrix subconstricta 543
- Ulothrix subtilis 556
- Ulothrix subtilis var. tenerrima 553
- Ulothrix subtilis var. variabilis 553
- Ulothrix tenerrima 553, 561
- Ulothrix tenuis 553
- Ulothrix tenuissima 553, 561
- Ulothrix variabilis 553
- Ulothrix zonata 19, 553, 554, 562
- ULOTRICHALES 28, 364, 524, 526, 529, 544, 545, 546
- ULVA 58, 76, 270, 575
- Ulva bulbosa 542
- Ulva compressa 575
- Ulva crispa 569
- Ulva flexuosa Pl. 2A, 576
- Ulva flexuosa subsp. pilifera 1, 568, 575
- Ulva gelatinosa 379
- Ulva granulata 321
- Ulva intestinalis 575, 576
- Ulva paradoxa 575
- Ulva prolifera 575
- ULVALES 575
- ULVELLA 543
- Ulvella beesleyi 543
- Ulvella frequens 11, 543
- ULVOPHYCEAE 361, 364, 570
- Uredo nivalis 390
- URCEOLUS 182, 236, 239
- Urceolus cyclostomus 237, 239
- UROGLENA 281, 297, 305
- Uroglea americana 305
- Uroglea articulata 305
- Uroglea europea 305
- Uroglea eustylis 284, 305
- Uroglea lindii 304, 305
- Uroglea soniaca 305
- Uroglea volvox 304, 305
- UROGLENOPSIS 305
- Uroglenopsis americana 284, 305
- Uroglenopsis europaea 284, 305
- URONEMA 371, 554
- Uronema confervicolum 554, 562
- Uronema elongatum 554, 561
- UROSOLENIA 350
- Utricularia 376, 538, 613, 615, 618, 623, 627, 636, 650, 653–655, 658, 667, 672, 676, 679, 703, 706, 713
- Utricularia minor 155
- UVA 405
- Uva casinoensis 405
- VACUOLARIA 275
- Vacuolaria virescens 276, 278
- VACUOLARIACEAE 275
- VAUCHERIA 3, 15, 21, 27, 101, 316, 319, 336, 344, 376, 537, 767
- Vaucheria alaskana 337, 340
- Vaucheria arcassonensis 344
- Vaucheria arrhyncha 344
- Vaucheria aversa 336, 337, 339
- Vaucheria borealis 336, 337, 338, 340
- Vaucheria bursata 339, 342, 344
- Vaucheria canicularis 337, 337, 340, 345
- Vaucheria clavata 344
- Vaucheria compacta 344
- Vaucheria compacta var. dulcis 337, 338, 340
- Vaucheria coronata 344
- Vaucheria cruciata 337, 338, 340
- Vaucheria debaryana 338
- Vaucheria dichotoma 336, 338, 339
- Vaucheria dillwynii 336, 338, 339, 345
- Vaucheria erythrospora 344
- Vaucheria fontinalis 336, 338, 339
- Vaucheria frigida 337, 341, 343, 345
- Vaucheria geminata 337, 341, 343, 345
- Vaucheria hamata 341, 242
- Vaucheria intermedia 344
- Vaucheria lii 337, 340, 341
- Vaucheria litorea 344
- Vaucheria longata 337, 341, 343
- Vaucheria longicaulis 344
- Vaucheria medusa 336, 344
- Vaucheria minuta 344
- Vaucheria ornithocephala 338, 341
- Vaucheria ovoidea 344
- Vaucheria pachyderma 337, 338, 339
- Vaucheria piloboloides 344
- Vaucheria polysperma 338, 341
- Vaucheria prolifera 336, 339, 341
- Vaucheria prona 342, 343
- Vaucheria pseudogeminata 337, 340, 342
- Vaucheria racemosa 341, 342, 343
- Vaucheria repens 342, 344
- Vaucheria sescuplicaria 338, 344
- Vaucheria sessilis 1, 336, 339, 342, 344, 345
- Vaucheria sessilis fo. repens 344
- Vaucheria subsimplex 344
- Vaucheria synandra 336, 339, 342
- Vaucheria taylorii Pl. 2D, 337, 343, 344, 345
- Vaucheria terrestris 341
- Vaucheria uncinata 337, 344
- Vaucheria ungeri 344
- Vaucheria velutina 344
- Vaucheria verticillata 344
- Vaucheria vipera 344
- Vaucheria walzi 342
- Vaucheria woroniniana 337, 338
- Vaucherialean 318
- VAUCHERIALES 318, 336
- Vaucheriopsis arrhyncha 344
- VERRUCARIA 4
- VERTEBARIA 175
- Vesiculifera capillaris 520
- Vesiculifera cardiaca 508
- Vesiculifera ciliata 508
- Vesiculifera compressa 508
- Vesiculifera concatenata 510
- Vesiculifera crassa 510
- Vesiculifera crispa 511
- Vesiculifera flavescens 513
- Vesiculifera landsboroughii 515
- Vesiculifera princeps 520
- Vibrio acerosum 620
- Volvoclean alga(e) 497, 498
- VOLVOCALES 364, 368, 376, 381, 384, 385, 393, 398, 401
- VOLVOX 381, 398, 409
- Volvox aureus 408, 409
- Volvox calamus 195
- Volvox dioica 409
- Volvox globator 408, 409
- Volvox lismorensis 409
- Volvox mononae 409
- Volvox morum 402
- Volvox tertius 408, 409
- VOLVULINA 368, 398, 410
- Volvulina steinii 408, 410
- Vorticella cincta 268
- WATANABEA 498
- Watanabea reniformis 498
- water lily 468
- WESTELLA 373, 474
- Westella botryoides 436, 474
- Willea irregularis 479
- Willea vilhelmii 479

- WOLOSZYNSKIA** 252, 271
Woloszynskia neglecta 258
Woloszynskia tenuissima 260
Woloszynskia tyloata 258, 261
WORONICHINIA 45, 76, 109, 111, 297
Woronichinia naegeliana 65, 77, 291
WOLOSZYNSKIA 252
‘*Woloszynskia*’ *neglecta* 260, 261
Woloszynskia tenuissima 260
‘*Woloszynskia*’ *tyloata* 261
Woloszynskioid 251, 260
- XANTHIDIUM** 329, 366, 72
Xanthidium aculeatum 717, 728
Xanthidium antilopaeum 728, 729, 730
Xanthidium antilopaeum var. *depauperatum* 720, 730
Xanthidium antilopaeum var. *hebridarum* 728, 729, 730
Xanthidium antilopaeum var. *laeve* 734
Xanthidium antilopaeum var. *oligocanthum* 734
Xanthidium antilopaeum var. *planum* 734
Xanthidium antilopaeum var. *polymazum* 729, 730
Xanthidium antilopaeum var. *triquetrum* 729, 734
Xanthidium apiculiferum 734
Xanthidium arctiscon 566
Xanthidium armatum 729, 730
Xanthidium armatum var. *cervicorne* 729, 731, 732
Xanthidium armatum var. *fissum* 734
Xanthidium armatum var. *irregularis* 734
Xanthidium bifidum 728, 730, 731
Xanthidium bifidum var. *truncatum* 734
Xanthidium brebissonii 734
Xanthidium brebissonii var. *varians* 734
Xanthidium concinnum 734
Xanthidium concinnum var. *boltianum* 734
Xanthidium controversum var. *planctonicum* 734
Xanthidium cristatum 728, 730, 731
Xanthidium cristatum var. *delpontii* 734
Xanthidium cristatum var. *leiodermum* 734
Xanthidium cristatum var. *spinuliferum* 734
Xanthidium cristatum var. *uncinatum* 734
Xanthidium fasciculatum 728, 730, 731
Xanthidium fasciculatum var. *basidentatum* 731, 732, 733
Xanthidium fasciculatum var. *ornatum* 731
Xanthidium fasciculatum var. *oronense* 731, 732
Xanthidium fasciculatum var. *polygonum* 731
Xanthidium impar 728, 732, 733
Xanthidium octocorne 728, 730, 733
Xanthidium octocorne var. *depressum* 728, 732, 733
Xanthidium orcadense 734
Xanthidium robinsonianum 728, 732, 733
Xanthidium smithii 728, 732, 733
Xanthidium smithii var. *collum* 734
Xanthidium smithii var. *maius* 734
Xanthidium smithii var. *variabile* 734
Xanthidium subhastiferum 728, 730, 733
Xanthidium subhastiferum var. *murrayi* 734
Xanthidium tenuissimum 734
Xanthidium tetracentrotum 734
Xanthidium tetracentrotum var. *protuberans* 734
Xanthidium tetracentrotum var. *quadriconutum* 734
Xanthidium variabile 728, 730, 734
Xanthidium westianum 734
XANTHONEMA 318, 334
Xanthonema exile 334, 335
Xanthonema quadrata 334, 335
XANTHOPHYTA 2, 28, 30, 302, 318, 346
XANTHOPHYTE(S) 3, 318, 329, 425, 472, 473, 498, 539, 541
XENOCOCCUS 51, 58, 77
Xenococcus acervatus 77
Xenococcus britannica 47
Xenococcus chroococcoides 51, 77
Xenococcus crouanii 77
Xenococcus fluviatilis 51
Xenococcus gilleyae 77
Xenococcus kernerii 77
Xenococcus kernerii 70, 77
Xenococcus laminariae 77
Xenococcus pallidus 78
Xenococcus pyriformis 78
Xenococcus rivularis 77
Xenococcus schousbei 77, 78
Xenococcus violaceus 77
‘**XENOLOTHOS**’ 77
XENOTHOLOS 77
Xenotholos kernerii 77
- YELLOW-GREEN ALGAE** 2, 28, 318
yew 570
- Zooxanthellae* 259
Zostera 128
ZYGNEMA 7, 14, 27, 306, 324, 370, 526, 576, 602, 603, 607, 608
Zygnema affine 589
Zygnema angulare 592
Zygnema alternatum 597
Zygnema anomalum 606
Zygnema atrocoeruleum 603
Zygnema belle 589
Zygnema carinthiacum 603, 604
Zygnema catenaeformis 592
Zygnema commune 592, 603
Zygnema conspicuum 603, 604, 605
Zygnema cruciatum 603, 604, 605
Zygnema cylindrospermum 603, 604, 605
Zygnema excommune 603
Zygnema excompressum 604, 605
Zygnema excrassum 606
Zygnema flavescens 593
Zygnema flavescens var. *parvum* 597
Zygnema gadeanum 603, 604, 605
Zygnema gracile 593, 607
Zygnema grevilleana 595
Zygnema hassallii 595
Zygnema inflatum 595
Zygnema insigne 595, 604, 605
Zygnema insigne 603, 604
Zygnema leiospermum 603, 604, 605
Zygnema leiospermum fo. *megaspora* 595, 605
Zygnema malleolum 592
Zygnema maximum 597
Zygnema minimum 601
Zygnema mirabile 597
Zygnema momoniense 603, 605, 607
Zygnema neglectum 597
Zygnema nitidum 597
Zygnema orbiculare 595
Zygnema parvum 597
Zygnema parvulum 607
Zygnema pellucidum 598
Zygnema pectinatum 603, 604, 606
Zygnema quadratum 598
Zygnema ralfsii 603, 604, 605, 607
Zygnema rivulare 600
Zygnema rostratum 607
Zygnema stagnale 603, 604, 606
Zygnema stellinum 603, 604, 606
Zygnema stellinum var. *compressum* 606
Zygnema stellinum var. *cylindrospermum* 605
Zygnema stellinum var. *stagnale* 606
Zygnema stellinum var. *vaucherii* 606
Zygnema subcruciatum 606
Zygnema subventricosum 601
Zygnema tenuissimum 601
Zygnema vaginatum 603, 604, 606
Zygnema varians 601
Zygnema vaucherii 603, 604, 606
Zygnema vaucherii var. *stagnale* 606
ZYGNEMATACEAE 21, 576, 577, 587, 615
Zygnematalean algae 7, 22
ZYGNEMATALES 2, 321, 364, 576
ZYGNEMATIINAE 576
ZYGNEMOPHYCEAE 364
Zygnematiinae 576, 615
ZYGNEMOPSIS 370, 578, 579, 607
Zygnemopsis desmidioides 578, 607
Zygnemopsis tiffiana 578, 607
ZYGOGONIUM 67, 370, 608
Zygonium ericetorum 272, 578, 608
Zygonium gracile 607
Zygonium laeve 583
Zygonium ralfsii 606

SUBJECT INDEX

This covers the general sections, including those at the start of accounts of major taxa, together with notes on special ecological features and particular locations of individual species. Terms widely used throughout the floristic accounts are included only if there is special mention. Neither the Glossary nor the DVD are included.

- Abbot's Pond (Somerset) 286, 390, 595, 597, 601
 Aberdeenshire 681, 691
 Aberllynor Turbarry (Radnor) 660, 705
 accessory pigments
see diatoxanthin, fucoxanthin, violaxanthin
 acetic acid, acetate 17, 22, 400
 acidic (highly) 5, 7, 11, 37, 38, 28, 249, 608
 Adrigole (W. Ireland) 432
 aggregated 52 *et seq.*
 aggregating 34, 104
 akinete 32, 33, 119 *et seq.*
 Alaska 296
 Alcian Blue 160
 alcohol 17, 22
 AlgaeVision 2
 AlgiNet 26
 alginic acid 29
 ammonium, ammonia 7, 400
 ammonium persulphide 39
 amphibian 577
 androphore 336 *et seq.*
 Anglesey 597, 605, 704
see Llandegfan Pools, Parys Mountain
 anoxic 110, 182
 Antarctic, Antarctica 80, 704
 antheridium 743 *et seq.*
 antherozoid 744
 Antrim 518
 apical pore plate
 aplanospore 25, 285, 318
et seq., 346–347, 576 *et seq.*
 apochromatic lens 348
 aquarium 355
 Archer, William 9
 archaeospore 160
 archival quality 23
 Arctic 704, 713
 arctic-alpine 715
 armoured 250 *et seq.*
 Arncliffe (West Yorkshire) 563
 Arran 623
 artificial surface 4
 asbestos 573
 Ashdown Forest (Sussex) 510, 511, 585, 605, 606
 Ashford (Kent) 484
 Assynt (Sutherland) 613, 629, 631, 632, 636, 652, 653, 655, 656, 660, 662, 663, 667, 671, 681, 683, 696, 709, 718, 733
 astaxanthin 400
 Atlantic Islands 521
 Australasia 656, 667, 718, 729, 734
 Australia 227, 228, 233, 302, 392, 393, 405, 518, 667
 Austria 228, 234, 393, 576
 autogamy 181
 automontaging 21
 autospore 365, 367, 370, 378, 381 *et seq.*, 410 *et seq.*
 Avoca Mines (Co. Wicklow)
 axenic 25
 Ayrshire 760
 Aysgarth (Yorkshire) 586
 bacteria 384
 Bacteriological Nomenclature, International Code of, 31, 34
 baecocyte 40, 46, 58
 Baheh loughs (Connemara) 632
 Bailey-Watts, A.E. 11
 Bakethin Dam (Northumberland) 144
 Balallan (Lewis, Outer Hebrides) 551
 Ballynahinch (Co. Mayo) 432
 Baltic 748
 banana (-shaped) 368, 405
 Bangor 291
 Bann
see Upper River Bann
 barium sulphate 611, 616
 barnacle 43, 74, 95, 99, 103, 108, 110, 153, 156
 Barn Elms Reservoir, Hammersmith (London) 383
 Barnes (Middlesex) 450, 545
 Barnstaple (Devon) 446
 Bartons Pond, Hendon (Middlesex) 595
 Barton-on-Humber (North Lincolnshire) 280
 basionym 3
 Bassenthwaite (Cumbria) 692
 Bath (Somerset) 156
 Beachy Head (Sussex) 77
 Beauchief Ponds (Sheffield) 540
 Beck Head (Cumbria) 285
 Belgium 59, 62, 143, 153, 513
 Bembridge (Isle of Wight) 385
 Berkshire
see also Blue Pool, Cookham, Reading
 Berwick (Northumberland) 77, 136,
 Betws-y-Coed (Snowdonia)
 Bhychan (Merionethshire) 130
 Biodiversity
 Action Plan 1
 Heritage Library 2
 Steering Group (UK) 1, 742
 biofilm 7, 15, 24
 Biological Resource Centre 26
 bird, bird excreta 384, 399, 567, 570
 bird bath, birdbath Pl. 2B, 22, 400, 546, 636, 637, 660
 Birmingham 505, 592
 Black Combe (Cumbria) 407
 blanket weed Pl. 1A, 505, 560, 563
 Blelham Tarn (Cumbria) 285, 286, 378, 398, 411, 547
 bloom 36, 37, 69, 71, 77, 105, 118, 119, 120, 122, 137
 brown 251, 257
 red 182, 251
 Blue Pool (Berkshire) 171
 boating 12
 Bochym (W. Cornwall) 570
 boghead coal 499
 Bolivia 748
 bolting silk 16
 bomb crater 471
 Bombay (India) 362
 bones 537
 borate 22
 Borrowdale (Cumbria) 597
 Bosillow Moor (Cornwall) 135
 Botanical Nomenclature, International Code of 31, 505
 Botanical Society of the British Isles 472
 Boxgrove (West Sussex) 471
 brackish 88, 97, 115, 117, 128, 135, 137, 244, 245, 280, 355, 357, 361, 382, 385, 471, 742 *et seq.*
 bract, bractlet 743 *et seq.*
 bracteole 743
 Bradford (Yorkshire) 306, 486
 bramble 571
 branchlet 743
 Brandon (Co. Durham) 183
 Branscombe (Devon) 530
 brandy 17
 Brasside Ponds (Co. Durham) 115
 Braunton Burrows (Devon) 446, 585
 Brazil 502, 507, 511
 Brecklands (Norfolk) 163, 555, 557
 Brest (France) 83, 99
 brick, brickwork 116
 bristle(s) 367, 525
 British Columbia 354
 Broadwater Forest (East Sussex) 391, 598
 Broads
see Norfolk Broads
 Bromley
see Keston Ponds, Langton Green
 Brown Trout Research Laboratory 11
 brush, brushing 14
 bryophytes 5, 58, 384
 Buckinghamshire 393, 595
see also River Great Ouse
 buffer 22
 bulbil 744
 bundle 84 *et seq.*
 buoyancy 11
see also gas vacuole
 Burren (The) (Co. Clare) 419, 499, 505, 658

- Burma (Myanmar) 574
 Burton's Pond (Cheshunt, Hertfordshire) 598
 Butcher, R.W. 11
 Butterby Pond (Co. Durham) 81
 Bhychan (Merionethshire) 98
- Cader Idris (Anglesey) 600
 Caernarvonshire 471, 597, 605
see also Glyder Fower
 Cairngorm Mountains 390
 Caithness 705
 calcareous 6, 43, 49, 63, 68, 75, 84, 88, 90, 113, 134, 152, 163, 277, 279, 310, 357, 537, 564, 574, 593
 calcification, calcified 93, 112, 135, 142, 143, 145, 355, 395, 402, 530, 537, 742–757
 calcium carbonate 321, 742
see also calcification, limestone
 Calderfield (Cumbria) 403
 calyptra 34, 90, 99, 101, 103, 104, 116
 Cambridge 233, 244, 277, 382, 397, 400, 405, 406, 431, 496, 521, 597
see also Sheep's Green
 Cambridge Botanic Gardens 564
 Cambridgeshire 137, 299, 301, 381, 390, 402, 409, 504, 508, 510, 511, 513, 515, 521, 524, 543, 586, 592, 598, 606, 762, 763
see also Cambridge, Coton, Girton, Great Shelford, Histon, River Cam, River Great Ouse, Sutton Gault, Wicken Fen, Wimpole
 camera lucida 20
 Canada 264, 722
 canal (water) 8, 443, 539, 647
see also Lancaster–Kendal Canal, Leeds–Liverpool Canal, Reddish Canal, Ulverston Canal
 Canter-Lund, H. 11
 Capel Curig (Caernarvonshire) 463, 704, 716, 738
 carbohydrate 33
see also leucosin, starch
 Carboniferous Limestone 573
 carcinogen 91
 Caroline Park (Edinburgh) 92
 carotene, carotenoids 181, 251, 354, 400, 525
see also diatoxanthin, fucoxanthin, red colour, violaxanthin
 carpogonium 160 *et seq.*
 carospore 160 *et seq.*
 carosporophyte 160
 Carrigadrohid (Cork) 451
 Carter, J.R. 349
 Carter, N(ellie) 3, 10, 608
 Cartmel (Lancashire) 358
- Cassop Vale 183, 187, 189, 190, 194, 196, 197, 200, 203, 204, 206, 212, 213, 219, 220, 222, 224, 226, 234, 529, 628
 Castletown (Portland, Dorset) 571
 Castletown (W. Ireland) 553
 cattle pond, trough 394, 400, 478, 556, 638, 655
 CCAP (Culture Collection of Algae & Protozoa) 232, 234, 347, 361, 398, 406, 490, 499
 cell division, oblique 456, 487
 cellulose 23
 cement 570
 Center Parcs (Nottinghamshire) 542
 Centre for Ecology and Hydrology 2, 22, 37
 centrifugation 17
 centropiasm 75
 chalk, chalk cliff 52, 107, 108
see also Westgate
 Chandos Park (Buckinghamshire) 203, 204, 212, 213, 217, 218, 220, 222, 224, 226, 227
 Channel Islands 446
see also Jersey
 chantransia 160
 Charlestown (Moray) 171
 Chartwell Lake (Kent) 332, 441
 checklist 1, 36
 Cherbourg 129
 Cheshire 393, 401
see also Cheshire Meres, Eaton Park, Oak Mere, Pickmere, River Dee, River Gow, Rostherne Mere, Serpentine (The)
 Cheshire Meres 8, 469, 704
 Cheshunt (Hertfordshire) 510, 585, 598
 Chester 299
 Chicheste (W. Sussex) 401
 China 510, 602
 chlorophyll a 2
 chloroplast 28–29
 rotation
 chromatoplasm 75
 chromosome 250
 chroococcal (-like, -type) stage(s) 71, 149, 157
 Christensen, Tyge 36
 chrysolaminarin 28, 29
 Chrysophyceae belt 92, 107, 108, 113
 Chudleigh Knighton (Devon) 503
 ciliate 4
 cingulum, cingula 250 *et seq.*, 348
 Cistercian Abbey (Clare Island) 62
 'Cladophora' balls 533, 534, 560
 Claife Heights (Cumbria) 290
- Clare (Co.) 574
see also (The) Burren, River Caher
 Clare Island (Co. Mayo) 12, 39, 57, 60, 62, 63, 67, 68, 71, 82, 92, 104, 115, 116, 120, 122, 124, 126, 134, 135, 144, 153, 155, 157, 275, 357, 430, 467, 502, 510, 511, 515, 518, 520, 521, 524, 573, 592, 593, 595, 598, 601, 605, 613, 625, 631, 634, 635, 636, 637, 648, 649, 650, 663, 667, 668, 671, 681, 683, 685, 704, 706, 707, 731, 733, 739, Pl. 1D
see also Creggan Lough, Lough Leinapollbauty
 clay pit 280
 cliff 279
 Clifton (Stirling) 15
 closteriometer 618
 Coded List, number 1, 13, 37, 316, 608
 coenobium 381 *et seq.*
 coenocytic 28, 318
 colourless forms 4, 28, 181, 182, 183, 189, 196, 198, 203, 205, 210, 214, 218, 227 *et seq.*, 251, 259, 385
 concrete 8, Pl. 2B, 564, 575
 conjugating, conjugation 370, 576 *et seq.*
 Connemara 56, 482, 493, 551, 613, 623, 625, 627, 628, 632, 634, 635, 637, 648, 649, 650, 653, 656, 658, 660, 661, 662, 666, 668, 671, 672, 673, 681, 685, 686, 691, 693, 697, 705, 708, 709, 712, 709, 713, 718, 723, 724, 726, 733, 738
see also Baheh Loughs, Derryclare Lough, Lough Fee, Roundstone Bog
 conservation 354
see also Red List
 contractile vacuole 362, 382
et seq.
 Cooke, M.C. 10
 Cookham (Berkshire) 180
 cool-box 19
 copper 5, 556, 563, 608
 Cork, University of Cork 476
 Cork (Co.) 574
see also Lough Allua
 corn syrup 23
 Cornwall 329, 389, 495, 507, 510, 513, 518, 524, 553, 585, 605, 606, 619, 622, 623, 631, 631, 633, 681, 686, 713, 724, 731, 748, 754, 763
see also Bosillow Moor, Croft Pascoe Pool, Geevor Mine, Land's End, Lanlivery Moor, Lizard (The), Loe Pool, Mousehole Cave, Penzance
- Corps de Maupas 242
 cortex 743
 cortication 743
 Coton (Cambridgeshire) 660
 counting 17
 Country Park (Bromley) *see* High Elms
 Countryside Council for Wales 742
 cow manure 187, 203
 Cowside Beck (Arncliffe, West Yorkshire) 563
 Crawley Down (Sussex) 585
 Cretaceous 348
 Crimea 247
 Creggan Lough (Clare Island) 135, 275, 739
 Croft Kettle (Co. Durham) 183, 187, 190, 203, 212, 219, 226, 232, 234, 357
 Croft Pascoe Pool (The Lizard, Cornwall) 118
 Crosemere (Shropshire) 397
 Cross Lake (Co. Mayo) 45, 90, 91, 110
 Croton (Cambridgeshire) 362
 crustacea 19
 crystal(s) 88, 93, 134, 143–145, 483, 533, 611, 613, 614, 618, 620, 622, 623, 625, 627–629, 631, 632, 634, 695, 696, 746
 Culture Centre for Algae and Protozoa 26
 culture collection 25, 26
 culturing 25, 27, 140
 Cumbria 297, 348, 593, 622, 637
see also Bassenthwaite, Beck Head, Blelham Tarn, Black Combe, Borrowdale, Calderfeld, Dalton Pond, English Lake District, Ennerdale Water, Esthwaite Water, Grizedale, Hartsop, Hawkshead, Helvellyn, Kelly Hall Tarn, Kirk Fell, Lily Tarn, Priest Pot, Rydal Caves, Scarth (Scarf) Gap Pass, Sunbiggin, Talkin Tarn, Thirlmere, Tilberthwaite, Torver Tarn, Ullswater, Wastwater, Windermere
 Cuba 483
 current velocity 168 *et seq.*
 cyanelle 766
 cyanophycin 33, 62, 79, 95, 97, 107
 cyst
see stomatocyst
 Czech Republic 1, 228, 298, 378, 390, 392, 398, 401, 405, 576
 dactyl 743 *et seq.*
 Dalton Pond (Cumbria) 217

872 SUBJECT INDEX

- Dartmoor (Devon) 81
 Darlington 165, 187, 190
 Darnbook Beck (Yorkshire) 327
 Darrick Wood (Orpington, Kent) 283
 Dartmoor (Devon) 510, 623
 decalcify, decalcification 23
 decaying leaves, vegetation 302, 384, 394, 587
 decompose, decomposition 19
 Deeside 521
 delicate algae
 Denmark 10, 301, 305, 390, 405, 510
 Denton Reservoir (Lincolnshire) 130
 Derbyshire 716
 Derryclare Lough (Connemara) 493
 desiccant 22
 desiccation 129, 611, 616, 620, 626, 628, 636
 deterioration (algal) 19
 Devon (Co.) 143, 446, 458, 481, 483, 501, 502, 504, 507, 508, 510, 511, 513, 515, 517, 518, 520, 521, 524, 530, 533, 537, 571, 585, 622, 623, 680, 686, 713, 715, 748, 756
see also Braunton
 Burrows, Chudleigh
 Knighton, Dartmoor, Plymouth, Weston
 Combe
 diatoxanthin 28, 354
 DIC (differential interference contrast) 20
 dichotypic form (desmid) 703
 digital camera, image 20, 21, 23
 Dillwyn 9
 dioecious 336 *et seq.*, 742 *et seq.*
 diploid 160
 diplostephanous 743
 diplostichous 743
 dissociation
see fragmentation
 diving mask 14
 dog 131, 567, 569
 Donegal (Co.) 483, 515, 518, 520, 567, 623, 656, 696, 748, 754, 756, 760*
see also Lough Derg, Lough Dunglow, Lough Garten, Lough Muckanagh, Lough Veagh
 Dorset 622
 Double Kettle (Co. Durham) 165, 183, 187, 190, 195, 197, 204, 206, 208, 212, 213, 220, 226, 228, 232
 Douglas-fir 572
 Downe (Kent) 327, 495
 dredge 14
 dried algae 22, 505
 Drouet, (Francis) 35, 36
 drowning 348
 Dublin 762
 Dublin Microscopical Club 9
 duckweed 413, 477, 478, 529, 532, 558
 Dumfries and Galloway 9, 187, 197, 203, 222, 226, 451, 615, 623, 696, 709
see also Galloway
 Durham (Co.) 38, 660
see also Brandon, Brasside, Butterby, Cassop Vale, Croft Kettle, Double Kettle, Hell Kettles, River Tees, River Wear, Upper Teesdale
 dystrophic 256, 261, 262, 390, 393, 399, 406, 407, 411, 416, 620, 623, 632, 653
 Earth Summit 1
 East Anglian fenlands 496
 East Lothian 143
 East Sussex
see Broadwater Forest, Ramslye Rocks
 Eastham 124
 Eaton Park (Chester) 299, 479
see also Serpentine Lake
 Edinburgh 92
 Ektachrome film 21
 electronic flash 21
 electron microscopy 240, 245, 257, 264, 281, 288, 301, 302, 303, 311, 313, 317, 349, 473
see also scanning electron microscope
 Elf Loch (Midlothian) 302
 Elmley (Isle of Sheppey) Pl. 4D, 125
 Elterwater (Cumbria) 282
 endogenous rhythm 16
 endolithic 106
see also chalk
 endophyte, endophytic 153
 endoplasmic reticulum 159
 endospore 40
see also baeocyte
 endosymbiont, endosymbiosis 4, 27
 endophyte 15, 477, 528, 531, 558, 566
 English Channel 129
 English Lake District 37, 281, 285, 299, 305, 310, 311, 315, 376, 378, 384, 390, 397, 401, 411, 415, 436, 446, 465, 468, 472, 495, 499, 508, 511, 515, 524, 530, 531, 533, 547, 553, 586, 593, 597, 601, 613, 614, 615, 618, 622, 623, 625, 627, 633, 635, 647, 649, 653, 656, 661, 676, 686, 687, 688, 692, 696, 703, 704, 705, 712, 713, 715, 716, 723, 724, 726, 729, 731, 734, 738, 739, 749
see also Blelham Tarn, Cumbria (and sites listed there), Elterwater, Esthwaite Water, Wastwater, Windermere
 English Nature
see Natural England
 Ennerdale Water (Cumbria) 381
 Environment Agency (of England and Wales)
 EPA, Environment Protection Agency (Ireland) 316
 ephemeral 742
 epicone 250 *et seq.*
 epifluorescence 23, 39, 100
 epilithic 49, 50, 107, 534
 epipellic 12, 16
 epiphyllic 570, 571
 epiphyte, epiphytic 15, 49, 56, 57, 83, 97, 272, 288, 295, 297, 298, 303, 307, 308, 318, 324, 357, 376, 413, 468, 485, 525, 537, 551, 554, 564, 767
 epissammic 16, 56
 epitheca 250 *et seq.*
 epizoic 43, 97, 324, 413
 Epping Forest (Essex) 190, 198, 200, 203, 204, 210, 212, 218, 219, 224, 226, 301, 302, 510, 598
 Essex 517, 600
 Esthwaite Water (formerly Lancashire, Cumbria since 1974) 247
 ethylenediaminetetra-acetic acid 18
 euglenoid movement 181 *et seq.*
 euplankton 14
 European Union, EU, European Council 21, 26, 742
 eutrophic, eutrophication 7, 47, 48, 50, 55, 57, 64, 74, 75, 108, 111, 129, 131, 224, 259, 260, 406, 461, 575, 628
 evolutionary lineage 1, 27
see also phylogenetic
 excreta
 bird 567
 dog 131, 569
 human 569, 569
 exocyte 47, 55
 exospore 46
 eyespot 181, 242, 250 *et seq.*, 277 *et seq.*, 281 *et seq.*, 379, 385 *et seq.*
 Falkland Islands 551
 Fallowfield Fell (Northumberland) 497
 fan (cooling) 17
 farm ponds 8
 Fawnglass (Clare Island) 115
 Fermanagh (Co.) 762
 fern 571
see also *Azolla* in Taxonomic Index
 ferric 181
 Ferry House Hotel 10
 fertilizer 7, 38
 fertilization 161
 film
see biofilm
 filtration 39
 Finchampstead 9
 Finland 510, 513, 517, 598
 fish
see also trout
 fisheries, fish stocks 451, 563, 742
 kill 8, 279, 563
 pond 8, 198, 200, 203, 208, 238
 flagellum (pl. flagella) 19 and taxonomic accounts
 Fleet 1 Reservoir (Isle of Sheppey) 125
 flexibacteria 95
 flexible 97 *et seq.*
 flexuous 99 *et seq.*
 floating alga(e) 15, 326, 328, 330, 331, 334, 371, 374, 377, 500, 505, 526, 528, 529, 533, 540, 541, 542, 545, 546, 547, 554, 560, 563, 676
see also blooms
 Florida 510, 580
 floridean starch 159
 Flow country (NE Scotland) 67, 155
 flu (influenza) 10
 forceps 14, 15
 forensic 348
 formaldehyde, formalin 17, 22, 251
 Formby-Birkdale 56, 94, 124, 137
 Forsinard (Sutherland) 67
 fragmentation 471, 526, 532, 534, 542, 545, 546, 534, 556, 557, 576 *et seq.*
 France 59, 62, 97, 129, 143, 153, 161, 401, 405
 freeze fracture 240
 French Equatorial Africa 99
 Frensham Little Pond (Surrey) 600
 Freshwater Biological Association 10
 Freshwater Fisheries Laboratory, Pitlochry 11
 Fritsch, F.E. 10
 Fritsch Collection of Illustrations 10
 frustule 12
 fucinic acid 29
 fucoxanthin 28, 29, 281, 348
 fungal infection, fungi 11

- Galloway 632, 650, 653, 658, 671, 713
see also Dumfries and Galloway
- Galway (Co.) 10, 515, 550, 551, 574, 575, 609, 613, 622, 625, 634, 635, 646, 650, 652, 654, 655, 656, 658, 660, 661, 663, 667, 681, 683, 685, 688, 691, 693, 696, 697, 704, 705, 709, 718, 726, 731, 733, 748, 762
see also Galway City, Lake Ballycuirke, Lough Corrib, Lough Aunierin, Lough Inagh, Lough Mawmeen, Maam Cross, Lough Shannaclontippen, Lough Shindilla, Loughaunierin, Toombeola
- Galway City 60
- gametangia 571 *et seq.*, 742 *et seq.*
- gametophyte 160
- garden centre 756
- garlic 742
- gas bubble 95
- gas vacuole 17, 22, 33, 34, 40, 44, 45, 51, 52, 54, 56, 57, 64, 67, 68, 71, 74, 75, 79, 80, 90, 91, 99, 101, 105, 108, 111, 119 *et seq.*
- Geevor Mine (Cornwall) 608
- gelatinization 375
- gemma, gemmae 161
- Genbank 26
- geological hammer 15
- George, E.A. 490
- Germany 1, 71, 122, 302, 391, 393, 401, 406, 510, 521, 524, 573, 576
- Gillingham (Kent) 441
- girdle 348
- Girton (Cambridgeshire) 187, 195, 224, 358, 384, 386
- Glamorgan 550
- glass slide collection 23
- glass substratum 15, 472, 543
- glasshouse
see greenhouse
- Glen Caragh (Kerry) 155
- Glen Tummel (Perthshire) 94, 464
- Gloucestershire 531, 764
see also Lechlade
- glucan 354
- glutaraldehyde 21, 22, 23
- glycerol 16
- glycine 182
- Glyder Fower (Caernarvonshire) 727
- goggles, safety 17
- golden-brown algae
see Taxonomic index
- gonimoblast 159 *et seq.*
- Gordale Beck, Scar (Malham) 389
- Gors Bach (Snowdonia) 171
- Göttingen culture collection (SAG) 227, 490
- Grantham (Lincolnshire) 130
- grapnel 14
- Grassendale (Merseyside) 107, 156
- gravel pit(s) 7 442
- grazing 143
- Great Barr Park (Staffordshire) 405
- Great Ouse
see River Great Ouse
- Great Shelford (Cambridgeshire) 4–3
- Greece 64
- Green Tarn (Cumbria) 7, 290
- greenhouse 8, 107, 112, 140, 321, 564, 573, 755
- Greenland 507, 748
- Griffiths, B.M. 10, 363
- Grizedale (Cumbria) 299
- Groombridge (Kent) 411
- groundwater 247
- guano 567
- gullet 227 *et seq.*
- gutter 8
- Gwynllyn Lake, Rhyader (mid-Wales) 602
- gynandrosporous 500 *et seq.*
- Habitats Directive 742
- hair(s) 32, 34
 cellular 32, 128 *et seq.*, 143 *et seq.*, 156, 355, 507, 510, 530, 547 *et seq.*
 non-tubular
- Ham Common (Surrey) 397
- Hampshire 56, 508, 511, 622, 731, 738
see also Marlborough Deep Pools, Millenium Meadow, New Forest
- Hampstead Heath (Middlesex) 593
- Handbook of Phycological Methods 18
- Hannington Bridge (Gloucestershire) Pl. 2A
- haploid 160
- haplostephanous 743
- Happey-Wood, C. 12
- haptonema 277 *et seq.*
- Hardwick Hall (Derbyshire) 660
- Harris 306, 317
- Hartlebury Common (Worcestershire) 502, 598
- Hartsop (Cumbria) 174
- Hassall, A.H. 9
- Hawaii (USA) 400
- Hawkshead (Cumbria) 406
- heavy metals 539, 551
see also copper, lead, zinc
- Hebrides 625, 709, 731
see also Inner Hebrides, Outer Hebrides
- helix, helical, 93
- Hell Kettles (Co. Durham) 9, 183
see also Croft Kettle, Double Kettle
- Helm Crag (Grasmere) 415
- Helvellyn (Cumbria) 299
- hemicellulose 419
- HEPES 22
- herbarium mounting paper 19
- Hertfordshire 291, 347, 405, 508, 511, 513, 515, 517, 518, 520, 585, 595, 598
see also Cheshunt, River Lea
- heterocyst, heterocystous 31, 32, 37, 38, 80, 118 *et seq.*
 intercalary 118, 128
 terminal (or basal) 118, 1128
- heterogamy 318
- heterothallic 398, 517
- heterotrophy, heterotrophic 181 *et seq.*, 241 *et seq.*, 258
- Hexham (Northumberland) 497
- High Elms Country Park, Nature Centre (Kent) 183, 187, 194, 196, 204, 218, 224, 228, 232, 327, 495
- Highland Line (Fault) 623
- Highlands 447, 471, 491, 614, 623, 634, 723
see also Perthshire
- Histon (Cambridge) 383, 386, 403, 445
- homodynamic 277
- hoof print 194, 196, 197, 203, 204, 206, 210, 219
- Hooker, Sir William 9
- hormogonium, hormogonia 32, 39, 79, 86, 118, 128
et seq.
- horse dropping 148
- Howe (tarn) (Cumbria) 299
- Howgill Beck (Malham) 310
- Humberside 765
- humic (materials) 8, 38, 40, 54, 131, 256, 292, 310, 318, 334, 394, 406, 411, 414, 416, 500, 541, 620, 632, 653
- Hungary 400, 576
- hydrocarbon 499
- hydrochloric acid 318
- hydrogen peroxide 23
- hydrogen sulphide 4, 68, 101, 110
- hypersaline 247
- hypertrophic 57
- hypnozygote 250 *et seq.*
- hypocone 250 *et seq.*
- hypotheca 250 *et seq.*
- ICBN, International Code of Botanical Nomenclature 245
- ice 382, 403
- Iceland 125
- idioandrosporous 500 *et seq.*
- illustrations, guide to 5
- industrialization 7
- India 592, 601, 602, 605
- Indian ink 21
- industrial-scale culture 400
- Ingleton (Yorkshire) 587
- Inner Hebrides
see also Isle of Raasay
- insect larvae 577
see also midge larva
- interactive identification, key 353
- intercalary plate 250 *et seq.*
- Interdocumentation Company 10
- intermittent environments 32, 38, 46, 60, 101, 103, 112, 135, 137, 143, 144, 157, 541, 755
- International Biological Programme 11
- International Code of Bacteriological Nomenclature 31, 34
- International Code of Botanical Nomenclature 31, 245, 505
- internode 743
- intracellular 38
- intrathylakoidal vesicle, vacuole 35, 75, 95, 116, 145
- Inverness, Invernesshire 447, 671, 709
- iodine 22
see also Lugol's iodine
- iron, iron 'oxide' 93, 128, 285, 342
- Isle of Man 2
- Isle of Raasay (Inner Hebrides) 74, 124
- Isle of Sheppey Pl. 4D, 125
- Isle of Ulva (Mull) 401
- Israel 152, 400
- isostichous 743
- ivy 572
- Japan 430, 722
- Jersey, Jersey zoo 194, 196, 197, 224, 445
- Jesus (College) (Cambridge) ditch 184
- Jurassic 124
- Karo 23
- Keighley Moor (Yorkshire) 426
- Kelly Hall Tarn (Cumbria) 687
- Kendal Canal
see Lancaster–Kendal Canal
- Kent 52, 407, 573
see also Bromley, Chartwell Lake, Country Park, Downe, Gillingham, Groombridge, High Elms, Keston, Ruxley Gravel Pits, Sweeps' Rock, Westgate
- Kentismoor (Devon) 504
- Kerry (Co.) 574, 622, 623
see also River Caragh
- Keston (Bog), Keston Ponds (Bromley, Kent) 183, 224,

874 SUBJECT INDEX

- 234, 246, 328, 360, 452,
466, 481, 485 Pl. 1C
Kew Gardens 116, 472, 564, 592
keys
 guide to use 3
 limitations of
 dichotomous 4
Kielder Reservoir
 (Northumberland) 40
King's Parade (Merseyside) 110
Kirk Fell (Cumbria) 585
koi carp 441
- lactic acid 588
ladder-like (conjugation)
 see scalariform
Lake Bala (N. Wales) 585
Lake Ballycuike (Co. Galway)
 661
Lake Tanganyika 99
laminarin 29, 354
Lancashire (some sites
 transferred to Cumbria in
 1974) 288, 290, 294, 296,
 297, 407, 622
 see also [Lancaster–]Kendal
 Canal, North Moss Tarn,
 Tewitfield
Lancaster–Kendal Canal 361,
 362, 363, 392, 455
Land's End (Cornwall) 551
Langton Green (Kent) 206, 222
Lanlivery Moor (Cornwall) 495
Latvia 513
lead 563
lead nitrate 39
lead–zinc mining 105
Lechlade (Gloucestershire)
 Pl. 2A
Leeds–Liverpool Canal 165
Leg-of-Mutton Pond
 (Richmond Park) 414
Leicester 246, 510, 534, 554,
 595, 597
Leicestershire 406, 502, 586,
 592, 593, 595, 597, 598,
 606, 628, 631, 660, 704,
 729
 see also Saddington
 Reservoir, Telscome Pond
length : width ratio 55, 88
 et seq.
leucosin 28
Lewis (Outer Hebrides) 447,
 667, 683, 691
 see also Ballalan, Loch
 Langavat, Loch Sgair, Loch
 Urrahag
lichen
 see Taxonomic Index
Lifford (Worcestershire) 539
Lily Tarn (Loughrigg Fell,
 Cumbria) 695
limestone 18, 66, 103, 112,
 397, 533, 573
Lincolnshire
 see Denton Reservoir,
 Normanby Hall Lake
- Liskeard 724
livestock 764
 see also cattle trough, sheep
liverwort:
 see *Riccia*, *Ricciocarpus* in
 Taxonomic Index
Lizard, The (Cornwall) 118,
 606, 633, 754
Llandegfan Common, Pools
 (Anglesey) 288, 310
Llangenny (Powys) 178
Llandrindod Wells Lake
 (Powys) 628
Llyn Teifi (mid-Wales) 672
Loch Aird na Mhoile (or
 Mhuile) (South Uist,
 Outer Hebrides)
 Pl. 3A, 144
Loch Altabrug (South Uist,
 South Uist) 75
Loch Astra (Shetlands)
Loch Bornish (= Loch Bhornais),
 (South Uist, Outer
 Hebrides) Pl. 3E, 137, 138,
 139, 141
Loch Bruigan (South Uist,
 Outer Hebrides) 560
Loch Chealmay (North
 Sutherland) 629
Loch a' Choin (Perthshire) 303
Loch of Cliff (Unst, Shetland
 Islands) 91
Loch Cluanie (Highlands) 174
Loch Doilet (Highlands) 291
Loch Doon (Ayrshire) 303
Loch Druidberg (Highlands) 291
Loch Dun na Cille (South
 Uist, Outer Hebrides) 291,
 316, 317
Loch Earn (Perthshire) 297
Loch Glascarnoch 316
Loch Grogary (North Uist,
 Outer Hebrides) 667
Loch Hope (Highlands) 291
Loch Katrine (Midlothian)
 291, 317
Loch Kildonan (South Uist,
 Outer Hebrides) 534, 560
Loch Kinardochoy (Perthshire)
 291, 297, 303
Loch Kinord
 (Aberdeenshire) 316
Loch of Kirbister (Orkney) 655
Loch Laggan (Highlands) 291
Loch Langebhat (Harris, Outer
 Hebrides) 306
Loch Leven (Perth and
 Kinross) 8, 11, 393, 456,
 486, 488, 491, 493
(Loch) Lochindorb (Highlands)
 291, 316
Loch Lomond (Stirling, Argyle
 and Bute; West
 Dunbartonshire) 460,
 465, 491, 696
Loch Lubnaig (Stirling
 Council area, formerly
 Perthshire) 291, 434
- Loch Maree (= Loch Ma-
 ruibhe) (Ross and
 Cromarty) 291
Loch Meadie (Sutherland) 718,
 737
Loch Morlich (Highlands)
 316
Loch North Scadabay (Harris,
 Outer Hebrides) 317
Loch Olabhat (North Uist,
 Outer Hebrides) 316
Loch Osgaig (Highlands) 291,
 316
Loch Rhiconich Sutherland 718
Loch Scadabay (Harris, Outer
 Hebrides) 317
Loch Sgair (Lewis, Outer
 Hebrides) 695, 713
Loch Shin (Sutherland) 718
Loch Shurrey (Caithness) 465
Loch Stack (Sutherland) 291
Loch Stilligarry (= Loch
 Stadhlaigearraidh)
 (South Uist, Outer
 Hebrides) 137
Loch Swannay (Orkney
 Islands) 317
Loch Tarff (Highlands) 316
Loch Tay (Perthshire) 467
Loch Tollaidh (Ross &
 Cromarty) 316, 317
Loch Urrahag (Lewis, Outer
 Hebrides) 316
Loch Veyatie (Highlands) 316
Lochan Fada (Assynt,
 Sutherland) 636
Lochnagar (Deeside) 679, 727
Loe Pool, Helston (Cornwall)
 763
London
 see also Barn Elms
 Reservoir, Regent's
 Park Lake, St James's
 Park Lake
Long Moss Tarn (Cumbria) 431
Longwell, J. 11
Longstone Moor (Derbyshire)
 723
lorica 23, 28, 181, 183, 213,
 214 *et seq.*, 281 *et seq.*
Lough Alewnagha (Co. Clare)
 274
Lough Allua (Co. Cork) 274
Lough Ardderry (Co. Galway)
 274, 291, 316
Lough Arrow (Co. Sligo) 560
Lough Aunierin (Co. Galway)
 431, 696
Lough Bane (Co. Meath and
 Co. Westmeath) 274
Lough Belvedere (= Lough
 Ennell) 113
Lough Beg (near Lough Neagh)
 12
Lough Bunny (Co. Clare) 249,
 274, 291, 316
Lough Carra (Co. Mayo) 118,
 274
- Lough Cavetown (Co.
 Roscommon) 274
Lough Corrib (Co. Galway)
 Pl. 7A, 54, 683
Lough Creggan (Clare Island)
 275
 see also Creggan Lough
Lough Cullaun (Co. Clare)
 274
Lough Derg (Co. Donegal) 165,
 274
Lough Derravaragh (Co.
 Westmeath) Pl. 3A
Lough Doo (Co. Mayo) 705
Lough Dunglow (Co. Donegal)
 291
Lough Easky (Co. Sligo) 316
Lough Ennell (Co. Westmeath)
Lough Fee (Connemara) 663
Lough Garten (Co. Donegal)
 567
Lough Glenbeg (Co. Cork)
 274
Lough Guitane (C. Kerry) 414
Lough Inagh (Co. Galway)
 Pl. 8A
Lough Inchicronan (Co. Clare)
 274
Lough Knappagh Beg (Co.
 Mayo) 46
Lough Larne (Co. Kerry) 478
Lough Leinapollbauty (Clare
 Island) 120, 124, 650, 663,
 685, 704, 731
Lough Lene (Co. Westmeath)
 274
Lough Lickeen (Co. Clare) 274
Lough Macnean Upper (Co.
 Cavan) 274
Lough Mask (Co. Mayo) 50
Lough Maumwee (Co.
 Galway) 316, 731
Lough Mawmeen (Co. Galway)
 550, 655, 681, 731
Lough Muckanagh (Co.
 Donegal) 274, 316
Lough Muckno (Co.
 Monaghan) 274
Lough Neagh (N. Ireland) 8, 12
Lough O'Flynn (Co.
 Roscommon) 274
Lough Owel (Co. Westmeath)
 274
Lough Shannaclontippen
 (Co. Galway) 431
Lough Shindilla (Co. Galway)
 274, 316
Lough Veagh (Co. Donegal) 291
Loughaunierin (Co. Galway)
 660
Loughaunillaun (Co. Galway)
 688
Lound, Great Yarmouth 550
Louth (Ireland) 762
Louthier Hills (Dumfries and
 Galloway) 615
Lugol's iodine 16, 17, 21, 22,
 23, 24, 251, 316, 348

- Maam Cross (Co. Galway) 515, 623, 625, 654, 685, 704, 705, 712, 733
- machair loch
see also Mid Loch Ollay, North Uist, South Uist, West Loch Ollay
- Machynlleth (Powys) 706
- macrandrous 500 *et seq.*
- macroalgae 14
- Madagascar 703, 762
- Madingley Hall (Cambridge) 490
- Magnesian Limestone 330
- Malham, Malham Tarn 113, 145, 303, 305, 327, 363, 391, 407, 499, 560
- Manchester 341
- Manchuria 598
- manganese, manganic 181
- mannitol 29
- marl Pl. 2B
- marl lake 742, 754
- Marlborough Deep Pools 504
- Matlock Bath (Derbyshire) 113
- Maumwee Lough
see Lough Maumwee
- Mayo (Co.) 12, 41, 55, 111, 574, 622, 691
see also Ballynahinch, Clare Island, Cross Lake, Lough Carra, Lough Doo, Lough Knappagh Beg, Lough Mask, Westport
- Mediterranean 81
- Melmerby (Yorkshire) 129
- meiosis 160, 181
- membrane concentration, filtration 17
- Mere Meres (Cheshire) 299
- Mereschowsky 349
- Merionethshire 130
- Merseyside 76, 143
- mesospore layer 577, 587, 596, 602
- mesotrophic 49, 54, 56
- messenger 16
- metaboly 182
- metaphyton 620
- metaplankton 6
- methylcellulose 21
- mounting paper 19
- microfiche 10
- microscopists 9
- microscopy
see also electron microscopy, scanning electron microscope
bright field 20
cross-polarized (light) 395
DIC 20
differential interference (Nomarski) 20
epifluorescence 23, 39, 100
negative phase contrast 20
phase contrast 20, 275, 348
microtubule 181
- Mid Loch Ollay (= Loch Olaidh Meadhanach) (South Uist, Outer Hebrides) 316, 317
- Middlesex 305, 508, 510, 511, 513, 517, 518
see also Barton's Pond, Hampstead Heath, Ruislip
- midge larva 138, 141
- Midlands (English) 338, 431, 442, 464, 465, 469, 529, 592, 593, 597, 603, 605, 617
- Midlothian 605
- migration (vertical)
- Miles Rough Bog (Bradford, Yorkshire) 306
- Millenium Water Meadow (Whitchurch, Hampshire) Pl. 2A
- mine drainage 11, 249, 310, 557
see also acidic
- mine spoil 106
- Mitcham Common (Surrey) 542, 583, 595
- mitosis 364
- mixotrophic, mixotrophy 241, 410
- molecular studies, techniques 182, 240, 252, 302, 318, 349, 354, 358, 381, 499, 525, 526, 538, 554, 557, 564, 566, 569, 570, 766
- monitoring 3, 13, 348
- monospore 160 *et seq.*
- monosporangium 160
- Montgomeryshire 571, 614
- Moravia 574
- morphological alternation 160 *et seq.*, 241
- morphospecies 27
- Moss, Brian 12
- moss 5, 47, 60, 63, 86, 113, 141, 661
- Mossdale Moor, Widdale Fell (Yorkshire) 566
- motility 32
- Mousehole Cave (Cornwall) 136
- mountain dulse 62
- mounting paper 19
- Mozambique 30
- muciferous body 275–276
- mucilage, mucilaginous 14, 21, 32, 159, 246, 253, 257, 264, 266, 272, 328, 348, 365, 366–381, 398–741, 756, 760, 762, 767
see also pectic
- Mull, Isle of 401
- multiaxial 159
- mussel(s) 92, 99
- nannandrous 500 *et seq.*
- nannoplankton 6, 11, 12, 16
- nanocyte 60
- Naphrax 23
- National Nature Reserve
see also Cassop Vale, (Moor House-)Upper Teesdale
- Natural England 742
- Natural History Museum (The) 208, 306, 486, 576, 742
- necridium, necridia 33, 86, 95, 104
- net, sampling 16
- Netherlands, The 81
- neuston 306, 541
- New Brighton 76
- New England 128
- New Forest (Hampshire) 46, 565
- New Guinea 430, 537
- New Zealand 290, 295, 297, 303, 434, 508, 529, 543, 566, 625, 703, 712
- Newborough Warren (Gwynedd) 395
- nitrate 402, 409
- nitric acid 23
- nitrogen 7
fixation, -fixer, -fixing 32, 62
limitation 32
to phosphorus ratio 32, 40, 79
- nitrophilous 567
- Njugal's Water (Shetland) 695
- node 364, 737, 739, 742 *et seq.*
- Nomarski (microscopy) 20
- non-contractile reservoir 281
- Nor Moss Tarn (formerly Lancashire, now Cumbria) 290
- Norfolk 482, 748, 755, 762, 763, 765
see also Brecklands, Walsham Broad
- Norfolk Broads 8, 12, 280, 421, 461, 465, 469, 474, 488, 493
- Normanby Hall Lake (Lincolnshire) 279
- North Fleet (Kent) 280
- North Moss Tarn (Lancashire) 290
- North Tyne (River) 141
- North Uist (Outer Hebrides) 623, 634, 667, 685, 704, 718
see Loch Grogary, Loch Olabhat
- North Wales 157, 264
see also Lake Bala, Snowdonia
- North Yorkshire 705
- Northampton, Northamptonshire 355, 763
- Northumberland 38
see also Bakethin Dam, Berwick, Falkowfield Fell, River Blyth
- Nottinghamshire 660
- nuclear envelope 358
- nucleolus 576, 587
- nuisance species 451
see also fish kill, odour
- nutrient 7, 8, 12, 23
see also eutrophic(ation), oligotrophic
- oak (wood) 131
- Oak Mere (Cheshire) 538
- odour 305, 310, 742
- oil body, drop 543
- oligotrophic 16, 130, 411
- oncoid 144
- oogamy 743
- oogonium 743 *et seq.*
- oosphere, oosporangium, oospore 744 *et seq.*
- oospore 22
- organic substances
see heterotrophy
- Orkney, Orkney Islands 478, 492, 495, 515, 583, 595, 605, 606, 622, 628, 636, 637, 649, 655, 661, 673, 679, 692, 693, 703, 715, 718, 729, 748, 754, 767
- osmotrophy 182 *et seq.*
- Outer Hebrides 447, 467, 471, 500, 551, 560, 622, 622, 623, 633, 635, 636, 647, 653, 655, 658, 661, 665, 667, 668, 673, 676, 681, 683, 685, 696, 702, 703, 704, 712, 714, 715, 716, 718, 722, 724, 729, 733, 734, 738, 739, 748, 754, 756
see also Ballallan, Harris, Lewis, Loch Airdh na Mhoile, Loch Altabrug, Loch na Breac Pestair, Loch Bornish (Loch Bhornais), Loch Kildona, Loch Stilligarry, Mid Loch Ollie, North Uist, South Uist, West Loch Ollie
- Owenmore River (Clare Island) 57
- Oxfordshire 504, 518
- Palaeozoic rocks 7
- palmella state, palmelloid 374, 450, 498, 543
- Pant-y-Llyn (Carmarthenshire) 650
- papilla 259, 264, 267, 268, 368 *et seq.*, 381 *et seq.*, 571, 574, 589, 592, 602, 633, 634, 635, 638 *et seq.*
- Papua New Guinea 537
- paramylon 181
- parasite 486
- Parkmill (Swansea) 171
- parthenogenesis 748
- parthenospore 579 *et seq.*
- Parys Mountain (Anglesey) 608
- Papua 537
- Pearsall, W.H. 10

876 SUBJECT INDEX

- peat, peat drainage, peatlands
Pl. 6A, 7, 38, 41, 155, 190,
232, 256, 270, 272, 310,
510, 623, 667, 673, 677,
680, 683, 685, 705, 715,
733
- pectic, pectin 318
- pellicle 181 *et seq.*
- Pembrokeshire 572, 628,
652
- Pen Ponds (Surrey) 299
- penicillate 149
- Pennines 144
see also River Nent, River
Tees, River Wear, Upper
Teesdale, Yorkshire
- Pentelow, F.T.K. 11
- Penzance (Cornwall) 580, 585
- periplast 240 *et seq.*, 281
- Perthshire 297, 341, 415, 456,
464, 633, 658, 673, 681,
692, 709, 713
see also Glen Tummel,
Loch Earn, Loch
Kinardochy
- petri dish 16, 18
- petroleum jelly 19, 20
- phagotrophy, phagotrophic
181, 182, 234, 236, 238,
239, 251, 258, 259, 260,
262, 265
- phase contrast
see microscopy
- phosphatase 34, 51, 126
- phosphate, phosphorus 7, 84,
101, 118, 135, 143, 153,
251, 354, 400, 541
see also nitrogen to
phosphorus ratio
- phosphorus limitation 32, 525
- photokinesis 182
- photomicrography 5
- photophobic 182
- photoreceptor, photosensor 181
see also eyespot
- photosynthetic rate 160
- phototactic 363
- phototrophic 334
- phragmoplast 364
- phycobilin, phycobiliprotein
28, 159 *et seq.*, 240 *et seq.*
see also phycocyanin,
phycoerythrin
- phycocyanin 29, 32, 33, 80
- phycoerythrin 32, 33
- phylogenetic, phylogeny 4,
350, 354, 381, 399, 410,
425, 434, 460, 463, 478,
484, 488, 490, 499, 524,
544, 554, 555, 563, 572,
573
- physode 354
- phytoplankton 10, 11, 16, 19
lake 10
river 11
- Pickmere (Cheshire) 363
- picoplankton 6, 33, 38, 40
- Pil Tor (Devon) 504
- Pilmoor, Thirsk (Yorkshire)
426, 447, 539
- pipette 15
- Pithouse West (Co. Durham)
183, 195, 220, 226
- Pitlochry 11
- Plantlife 1
- plastic surfaces 15, 543, 546
see also polyethylene
- plasticizer 23
- plurilocular 354
- Plymouth (Devon) 92, 103, 310
- Poland 1, 517, 521, 524
- polar 569
- polyethylene, polythene 14,
15, 17, 544, 546
- polyglucoside granule 33
- polyphosphate granule 33, 39,
79, 90
- polyphyletic, polyphyly 93,
126, 381, 413, 529, 538,
544, 560
- polysaccharide 354
- pore 365, 500, 626 *et seq.*
- Port Erin (Isle of Man) 163
- Portugal 10
- Postal Microscopical Society 21
- potassium hydroxide 588
- potassium iodide 22
see also Lugol's iodine
- Prague botanical garden 328
- Precambrian 358
- precingular plate 250 *et seq.*
- preservation 21
see also acetic acid, alcohol,
formalin, glutaraldehyde,
Lugol's iodine
- Preston Docks (Lancashire)
106
- Priddy Pool (Somerset) 389,
390, 403
- Priest Pot (Cumbria) 249, 283,
286, 301, 305, 361, 384,
390, 393, 397, 401, 446,
488
- primary row (charophyte) 742
et seq.
- protonema 5
- protozoa 4
- pseudocilia 376, 379, 381
- pseudoespot 279
- pseudofilament 39, 71, 159, 279
- pseudo-girdle 616
- pseudoparenchyma 159
- Puerto Rico 513
- purple
cytoplasm 579, 580, 581,
602, 608, 611
pigment colouration 118
- pyrenoid 20, 181, 364 *et seq.*
- quadriflagellate 366, 377, 378,
406, 447, 465, 525, 526,
531, 539, 541, 544, 546,
547, 553, 554, 560, 562,
566, 571, 575
- Queen Mary College, London
10
- Quekett Microscopical Club
(The) 21
- Quinton (Birmingham) 362
- radium 616
- Ramslye Rocks (East Sussex)
598
- raphe 348
- Reading (Berkshire) 305, 382
see also Cookham, Reading
University
- Reading University 264
- Red Data books, lists 1, 354,
742
- 'red fungus' 574
- red colour, pigment 251, 256,
257, 259, 260, 261, 262,
270, 271, 378, 390, 391,
400, 471, 525, 534
see also astaxanthin,
carotenoid, eyespot
- Reddish Canal (Greater
Manchester) 165, 546,
564, 756
- Redlands Wood (Kent) 476
- reducing environment(s) 92,
94
- refractive index 348
- Regent's Park Lake (London)
382
- refrigerator 19
- reservoir (water) 38, 52, 54, 71,
76, 91, 190, 251, 257, 259,
262, 267, 300, 412, 426,
456, 457, 458, 461, 465,
470, 478, 481, 498, 550,
575, 593, 598, 601, 652,
696, 704, 724
see also Barn Elms,
Denton, Fleet 1, Kielder,
Pitsford, Ruislip,
Saddington
- Rhiconich (Sutherland) 737
- rhizoid 583, 742 *et seq.*
- Rich, M.F. 10
- Richmond 285
- Richmond Park (Surrey) 68,
283, 285, 299, 301, 306,
308, 313, 361
see also Leg-of-Mutton
Pond, Pen Ponds
- rimiform 505
- Rio de Janeiro 1
- Rippon Tor (Devon) 504
- river(s)
epipelic communities 12
phytoplankton 11
- River Ale (Roxburghshire)
600
- River Avon (Wiltshire) 244
- River Bann
see Upper River Bann
- River Blyth (Northumberland)
362
- River Caher (Co. Clare) Pl. 3D,
695
- River Cam (Cambridge) 361,
362, 401, 542
- River Caragh (Kerry) 104, 128,
134, 135, 152, 153, 157,
541, 564
- River Dee (Cheshire) 393, 526,
547, 586
- River Deveron
(Aberdeenshire) 167
- River Dorree (Clare Island) 144
- River Ettrick (Selkirkshire) 141
- River Great Ouse
(Buckinghamshire;
Cambridgeshire; Norfolk)
203, 204, 212, 213, 217,
218, 220, 222, 224, 226,
227, 361, 390, 391, 469,
480, 486
- River Lea, River Lea
Navigation Canal
(Hertfordshire) 165, 458,
600
- River Lee (Essex) 163
- River Medway (Kent) 103
- River Nent (Northumberland)
Pl. 1B
- River Ouse (Buckinghamshire)
see River Great Ouse
- River Ouse (Yorkshire) 362
- River Severn 362, 497
- River Shannon 165
- River Stour (Essex) 470
- River Tees (Co. Durham,
Yorkshire) 11, 93, 377,
548, 551, 575
- River Teviot (Scottish Borders)
141
- River Thames
see Thames
- River Trent 362
- River Tweed 141, 542
- River Unshin (Co. Sligo) 56
- River Ure (Yorkshire) 586
- River Wandle (Surrey) 564
- River Waveney 362
- River Wear (Co. Durham) 424,
560, 571
- River Witham (Lincolnshire)
362
- River Wye 441, 445, 470
- River Yarrow 141
- Robson, Stephen 9
- Roche Abbey (Yorkshire) 283
- Romania 401
- Roscommon (Co.) 574
- Rosenberg, M. 10
- Rosshire 713
- Rostherne Mere, Cheshire 11,
69, 299, 538
- Rotherham 282
- rotifer 184
- rotting (alga, wood) 451, 541
- Round, F.E. 12
- Roundstone Bog (Connemara)
649, 681, 718, 724
- Royal Botanic Gardens, Kew
see Kew Gardens
- Royal Irish Academy 12
- Royal Microscopical Society 21
- Roydon (Essex) 344, 586

- Ruislip duck pond (Middlesex) 238
- Ruislip Reservoir (Middlesex) 593, 601
- Russia, Russian Federation 363, 392, 393, 399, 401, 407, 521
- Rutland 583
- Ruxley Gravel Pits (Kent) 592, 600, 601
- Rydal Cave(s) (Cumbria) Pl. 3A, 63, 113, 137
- Saddington Reservoir (Leicestershire) 303, 660
- safety 15, 17, 22
- SAG
see Göttingen culture collection
- Saint Sophia (Istanbul) 348
- salinity limits 2
- saltmarsh 564
- sample storage 22
- sampling 10, 11, 14, 15, 16, 24, 39, 50, 100, 544
- Sawrey (formerly Lancashire, now Cumbria) 361, 391
- scalariform 377, 379, 587, 600
- scales 358
- scalpel 17
- Scandinavia 400, 402, 405, 503
- scanning electron microscope 240, 348, 349, 358
- Scarf (Scarath) Gap Pass (Cumbria) 495, 585
- Scilly Isles 521
- Scottish Natural Heritage 742
- Scourie (Sutherland) 656, 671, 686, 706, 737
- Scout Scar (Lancashire) 391
- scrobiculate 638 *et seq.*
- SCUBA 14
- scytonemin 33, 37, 47 *et seq.*
- seasonality 14
- secondary row (charophyte) 742 *et seq.*
- sedimentation, algae in tube 16
- senescence 744
- SEPA, Scottish Environment Protection Agency 57, 68, 316
- serine 182
- Serpentine (Lake) (The, Eaton Park, Chester) 417, 435, 467, 474, 531
- Settle (Yorkshire) 546
- sexual reproduction 10, 354 *et seq.*
- shaded 50, 63, 67, 84, 95, 113, 157, 163, 430, 530, -560, 572, 611, 612, 614, 615
- sheath 30, 39 *et seq.*, 428, 431, 435, 449, 452, 476, 484, 490, 525 *et seq.*
- sheep 142
- Sheep's Green (Cambridge) 426
- sheep-grazing 142
- Sheffield 484, 540, 754
- Shetland Islands 91, 421, 478, 605, 623, 628, 631, 634, 635,
- 636, 652, 658, 661, 667, 671, 679, 685, 692, 693, 695, 696, 705, 709, 712, 716, 718, 729, 733, 739, 748
- Shoreham (Kent) 477
- Shropshire 109, 704
see also Crosemere
- Siberia 507, 703, 754
- Siblybae Reservoir, Lizkeard (Cornwall) 724
- Sidmouth (Devon) 537
- silica, siliceous 12, 281 *et seq.*, 318, 348
gel 22
scale 281 *et seq.*
wall material 12, 348
- Silurian rock, shales 573, 614, 615
- Sketty Burrows, Swansea 550
- Skye, Isle of (Argyll) 569, 623, 628, 629, 633, 649, 663, 673, 685, 737
- Slapton (Devon) 502, 504, 572
- slide collection staining 1, 20, 21
- Slovakia 1, 228
- snow algae, snow field 18, 390, 395
- Snowdonia 171, 622
- sodium hydroxide 18, 22, 598
- sodium thiosulphate
- soil, soil algae 17, 38, 46, 92, 93, 95, 108, 130, 152, 155, 159, 228, 247, 328, 346, 383, 386, 390, 392, 393, 401, 411, 497, 498, 533, 543, 555, 557
- Somerset 198, 200, 210, 765
see also Abbot's Pond, Bath, Priddy Pool
- Soviet Union 391
- Soulseat 9
- South Africa 131, 451, 756
- South America 451
- South Uist (Outer Hebrides) Pl. 3E, 41, 54, 623
see also : Loch Airdh na Mhoile, Loch Altbrug, Loch Kildona, Loch na Breac Pestair, Loch Stilligarry, Mid Loch Ollay, West Loch Ollay
- Soviet Union 390
- Spain 10, 163, 362
- spermatangium, spermatangia 160
- spermatia 161
- spermatozoid 506
- spindle(-) shape 250 *et seq.*
- spine(s) 252 *et seq.*, 258 *et seq.*, 318 *et seq.*, 365 *et seq.*
- spine-cell 365
- spoon 14
- spray 537
- squeezing(s) 15, 17
- St James's Park, Lake (London) 110, 111, 530
- St Ives (Cambridgeshire) 361
- staining 19, 20, 21, 23, 39, 79, 381, 417, 425, 484, 540, 542
see also Lugol's iodine
- Stanford Dingley (Berkshire) 171
- Stanklin Pool (Worcestershire) 363
- statospore 335
- Siberia 507, 703, 754
- stigma 181
- stipulode 365, 743
- Stirling, Stirlingshire 631, 716, 729
see also Clifton, Loch Lomond, Loch Lubnaig
- stomatocyst 281 *et seq.*
- Stone Gill, Dodd Fell (Yorkshire) 546
- stopper 15
- Strathclyde Loch 280
- Stranraer 9
- stromatolite, stromatolitic Pl. 7A, 54
- strontium 616
- Studley (Warwickshire) 163
- Styrax 23
- subaerial Pl. 1A, 476, 525
see also asbestos, cement, trunks
- sublittoral 93, 97, 156
- Suffolk 763, 765
- sufflatory cell 500 *et seq.*, 570 *et seq.*
- sulcus 250 *et seq.*
- sulphide 115
see also hydrogen sulphide
- Sunbiggin, Sunbiggin Tarn Pl. 5, 144, 183, 187, 203, 218, 220, 226, 238, 239, 305
- supralittoral 46, 54, 55, 59, 62, 71, 82, 83, 84, 85, 88, 90, 91, 92, 94, 100, 101, 106, 107, 113, 114, 115, 128, 143, 145, 148, 569
- Surrey 564, 573, 596, 622, 738, 765
see also Ham Common, Richmond, Richmond Park, Thursley Common, Virginia Water, Wimbledon Common
- Sussex 224, 283, 285, 305, 508, 595, 598, 622
see also Ashdown Forest, Beachy Head, Broadwater Forest, East Sussex, Ramslye Rocks, West Sussex
- Sutherland 613, 615, 622, 623, 627, 629, 631, 632, 634, 635, 636, 637, 647, 648, 650, 652, 653, 654, 656, 656, 658, 660, 663, 667, 671, 672, 673, 674, 681, 685, 686, 688, 691, 692, 693, 696, 696, 703, 704, 706, 714, 716, 718, 724, 729, 731, 733, 737, 760
- see also* Assynt, Loch Meadie, Loch Rghiconich, Loch Shin, Lochan Fada, Rhiconich, Scourie
- Sutton Gault (Cambridgeshire) 762
- Swansea (West Glamorgan) 550
- swarmer 561, 562
- Sweden 305, 389, 391, 510, 513, 524
- Sweeps' Rock (Tunbridge Wells, Kent) 429
- Switzerland 281, 401, 407, 610
- sycamore 571
- Sydenham Wells Pond (South London) 601
- symbiont, symbiosis, symbiotic 2, 4, 5, 38, 156, 366, 367, 475
see also endosymbiosis
- sympodial 643 *et seq.*
- syringe 21
- syrup 23
- Tal y Bont (Merionethshire) 415
- Talkin Tarn (Cumbria) 135
- tannin 354
- tapering 75, 78, 81, 82, 83, 84, 91, 94, 95, 98, 99, 118 *et seq.*
see also hair
- Telscome Pond, King's Norton (Leicestershire) 592
- terrestrial algae 1, 2, 3, 24, 26
- tetraspore 160
- tetrasporophyte 160
- Tewitfield (Lancashire) 362, 392
- Thames (River) Pl. 2D, 165, 180, 452, 469, 480, 486, 497
- thermocline 67
- thiasulphate 21
- Thirlmere (Cumbria) 299
- Thursley Common (Surrey) 623
- Tilberthwaite (Cumbria) 383
- tile 15
- Tiltham Ponds, near Bristol
- toluidine blue 164 *et seq.*
- Tonbridge (Kent) 103
- Toombeola (Co. Galway) 733
- toothbrush 14
- Torbanhill (Scotland) 499
- Torridon (Ross and Cromarty) 124
- Torver Tarn (Cumbria) 633
- Toys Hill Pl. 1A
- toxic, toxin 24, 34, 36, 38, 68 *et seq.*, 143, 280
- travertine 44, 93, 148
- trout 56
- travertine 18, 113
- Tremethick Moor (Cornwall) 302
- trichocyst 240 *et seq.*, 275-276
- trichogyne 159 *et seq.*
- trichome 39, 78 *et seq.*
flattened 79, 81
- triplostichous 744 *et seq.*
- Trumpington (Cambridgeshire) 220

878 SUBJECT INDEX

- trunks (trees) Pl. 1A, 321, 429, 525, 569, 570, 571
- Tunbridge Wells (Kent) 393, 606
- tungsten illumination 21
- turlough 504
- tychoplankton 15, 376, 403
- tylacanthous 743 *et seq.*
- Tyne Sands (East Lothian) 143
- UK National Culture Collection 401
- Ukraine 247, 301, 360, 378, 391, 399, 400, 402, 405, 406, 407, 521, 524, 592
- Ullswater (Cumbria) 118
- ultrasonic vibration 17
- ultraviolet light 33
- Ulverston Canal (Cumbria) 456
- University of Cork 446
- Unst, 91
- Upper Badcall (Sutherland) 654
- Upper Elf Loch (Midlothian) 302
- Upper Killarney Lake 513
- Upper River Bann (Co. Down) 12, 478
- Upper Teesdale National Nature Reserve (Co. Durham) 143
- urinate
dog 567
see also excretion
- UTEX, University of Texas culture collection 538
- USA 10, 302, 363, 379, 383, 392, 395, 397, 401, 402, 405, 406, 502, 553, 600
see also Florida, Hawaii, Puerto Rico, Wisconsin
- vacuole
contractile 181
intrathylakoidal 34, 35
liquid 34, 118
terminal 33
see also gas vacuole
- valve (diatom) 348
- vesicle 33, 35, 75
see also vacuole, intrathylakoidal
- vice-county 3
- Victorian 348
- vinegar 23
- violaxanthin 28, 348, 354
- Virginia Water (Surrey) 247
- Vision Park Pool:
see Histon
- vitamin 400, 470
- walls (building) 8, 148, 149, 476, 530, 546, 569
- wall, persistence of algal 434
- Walsham Broad (Norfolk) 415
- warm water 551, 561, 756
see also Reddish Canal
- Warwickshire 163, 290, 503, 586, 595, 597, 598, 622
- Wash (The) 280
- Wastwater (Cumbria) 12, 37, 531
- Water Framework Directive 8, 24
- Waterbeach (Cambridgeshire) 224
- waterbloom 16
- waterfall 38, 148, 157, 378, 537, 546, 547, 556, 563, 595, 695
- Waterfall Beck (Malham) 113, 114
- website 23, 26
- West, G.S. 1, 2, 10, 12, 608
- West, W. 2, 10, 12, 608
- West Loch Ollay, South Uist (= Loch Olaidh an Iar) (Outer Hebrides) Pl. 4A, 75, 90, 560
- West Yorkshire 611, 713
- Western Stream (Clare Island) Pl. 4B, Pl. 5A, 63
- Westgate (Kent) 101, 107, 108
- Westmeath (Co.) 41, 574, 762
see also Lough Bane, Lough Ennell, Lough Lene, Lough Owel
- Westport (Co. Mayo) 688
- Weston Combe (Devon) 537
- Wexford 748, 756, 765
- White Beck (Melmerby, Yorkshire) 129
- Wicken Fen (Cambridgeshire) 183, 184, 194, 195, 198, 203, 210, 219, 220, 222, 226, 546
- Wicklow (Co.) 10, 622
see also Avoca Mines, Powerscourt House
- Wigan (Lancashire) 165
- Wilden Pool (Worcestershire) 422
- Wildlife and Countryside Act (UK 1977)
- Wildlife Trusts 742
- Wimbledon Common (Surrey) 460, 605
- Wimpole, Wimpole Park (Cambridge) 91, 308
- Windermere 10, 11, 52, 84, 110, 118, 120, 124, 357, 377, 378, 385, 458, 468, 502, 504, 533, 547, 734
- winter 34, 52, 59, 77, 118, 308, 310, 311, 379 383, 394, 408, 499, 525, 531, 575, 587, 764
see also ice, snow
- winterbourne 531
- Wisconsin (USA) 517
- Wise E'en Tarn (Cumbria) 191, 306
- Woburn Sands (Bedfordshire) 618
- wood 44, 46, 51, 62, 107, 128, 129, 131, 144, 158, 530, 541, 550
see also trunk(s) (tree)
- Worcester 592
- Worcestershire 422, 502, 539, 540, 595, 597, 598, 612, 764
see also Hartlebury Common, Stanklin Pool, Wilden Pool, Wye Forest
- Wray Castle (Cumbria) 10
- Wye Forest (Worcestershire) 611
- xanthophyll 181, 318
- Yardley Chase (Northamptonshire) 631
- Yarwell (Northamptonshire) 344
- Yellowstone National Park 608
- Yorkshire 38, 301, 491, 493, 507, 510, 511, 513, 515, 518, 520, 524, 533, 547, 560, 586, 592, 593, 595, 605, 606, 622
see also Darnbook Beck, Gordale Beck, Gordale Scar, Howgill Beck, Ingleton, Keighley Moor, Malham, Melmerby, Miles Rough Bog, Mossdale Moor, North Yorkshire, Pilmoor, Roche Abbey, Rotherham, Settle, Sheffield, Stone Gill, Waterfall Beck, White Beck
- zinc 5, 21, Pl. 1A, 107, 310, 400, 551, 563
- zygospore 576 *et seq.*