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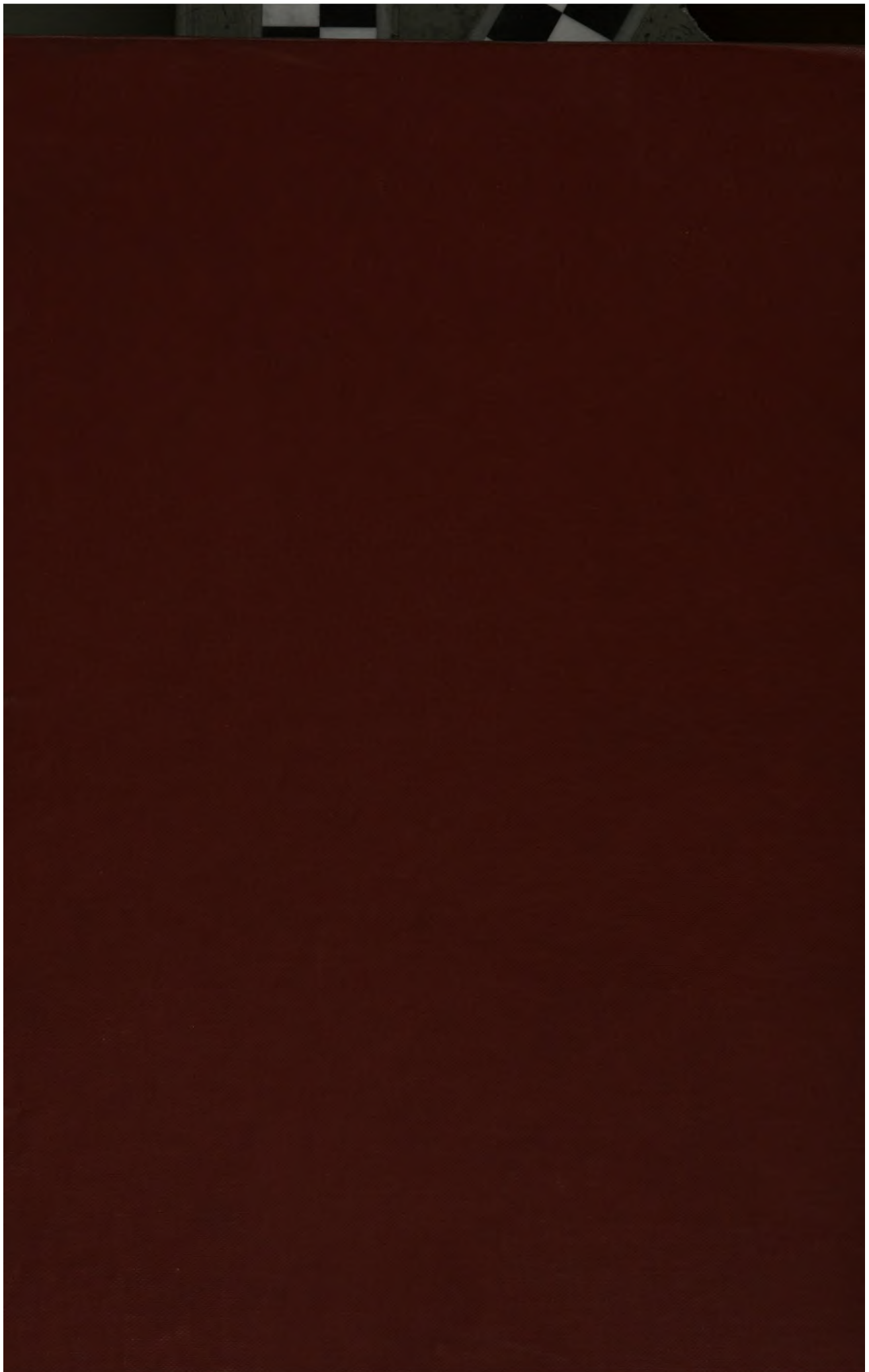
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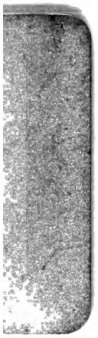
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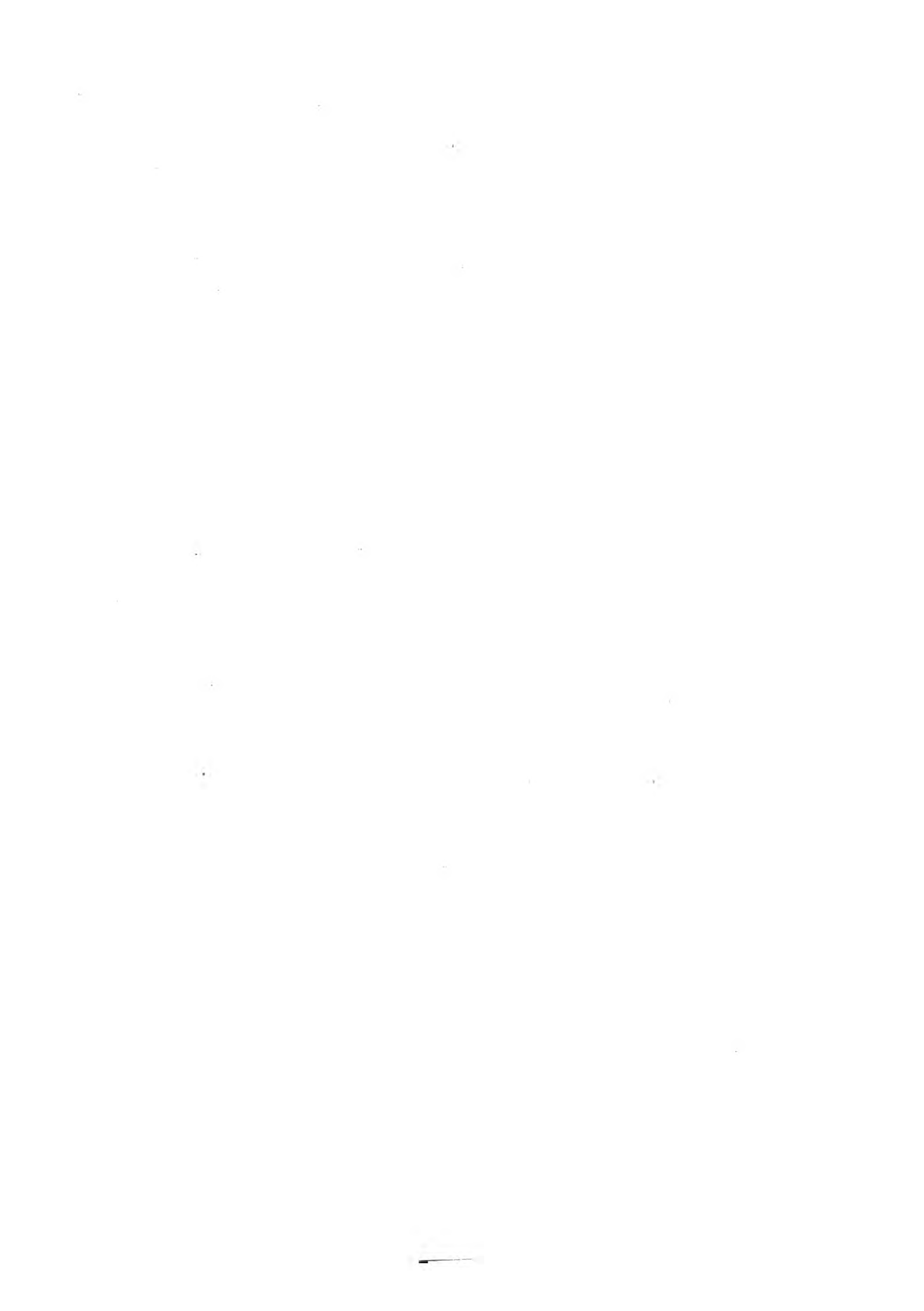
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With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

EUROPE, AND THE ARCTIC AND NORTH ATLANTIC OCEANS,

WHICH ARE CONTAINED IN THE COLLECTION OF

THE REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.



I.—ECHINODERMATA.

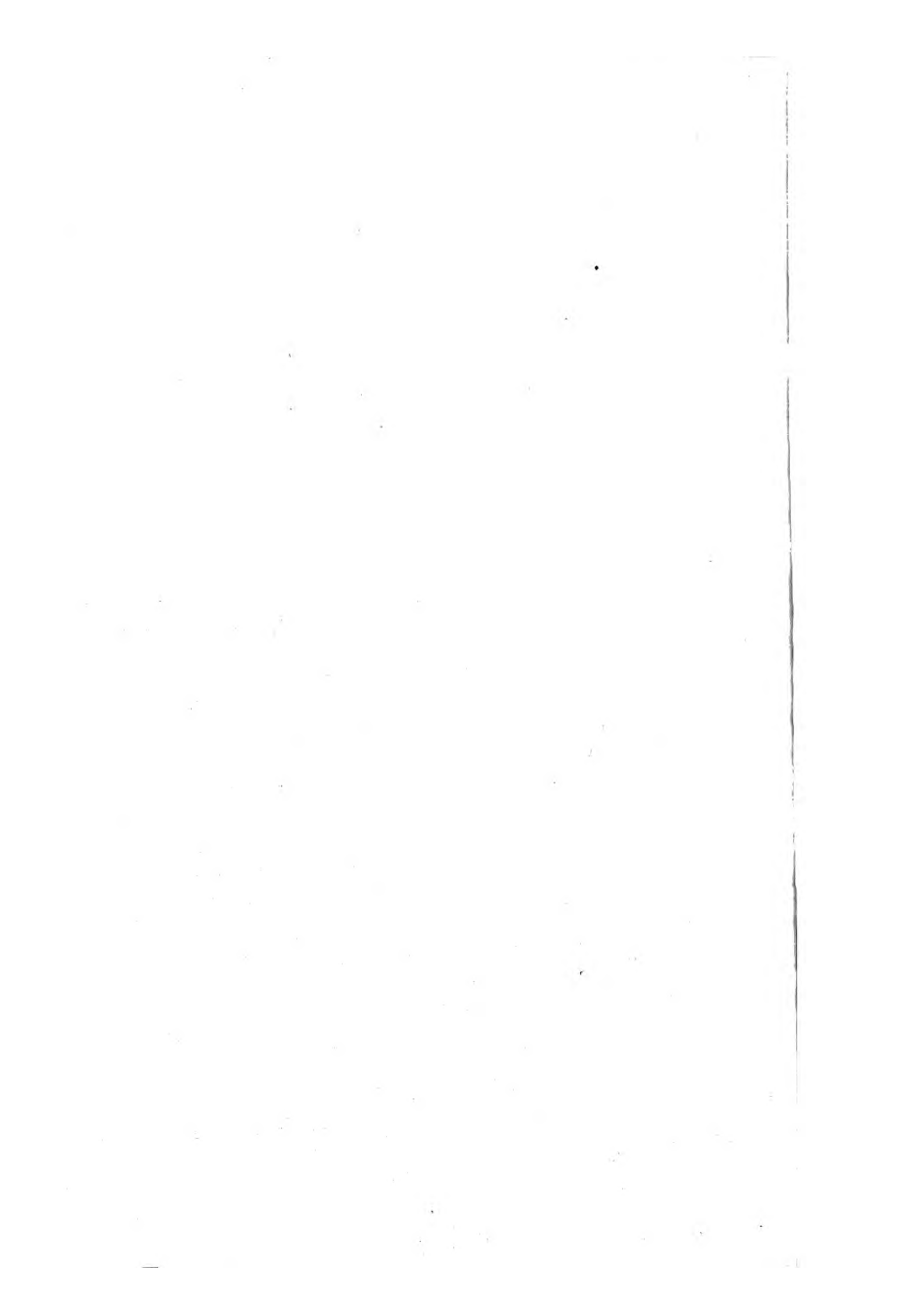
II.—PANTOPODA.



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III.—CRUSTACEA.

PRINTED FOR PRIVATE DISTRIBUTION.

MORTON, PRINTER, HOUGHTON-LE-SPRING.

March, 1886.



PREFATORY NOTES.

THE collections to which these Catalogues refer is confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the Seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at lat. 35° N. ; or, at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to about Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and, at the same time, to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present condition of my collection, and to invite exchange.

Opportunities of adding species, which are among my desiderata, either by exchange or purchase will, I hope, thus be afforded to me.

I shall be glad to send, in return for animals received, species either from the present or other classes of Invertebrata which may be preferred. Of course it will be understood that a Catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed,—

BURNMOOR RECTORY,

FENCE HOUSES,

CO. DURHAM, ENGLAND.

In the following table will be found a summary of the total number of the several orders of described Crustacea which inhabit Europe and the Arctic and North Atlantic Oceans. It will be seen that their number is nearly three times as great as that of the species of the entire world known to Milne Edwards when he published his classical work. While, on the one hand, it is certain that very many of the forms in column III. will hereafter prove spurious or synonymous with others : on the other hand, we know little of the Amphipoda of the Western Atlantic, and nothing of the Ostracoda free living Copepoda and other smaller Crustacea of that district, and very little of those of some other parts of the area. I venture to prophecy that when the Crustacean

Fauna of the Arctic and Temperate Regions shall have been thoroughly investigated, it will hereafter be found to embrace not less than 5,000 species. It was little suspected a generation ago that the Crustacea is the class which undoubtedly embraces more forms than any other outside the Insecta.

	I. Total Crustacea described from the World in Milne Edwards' 'Histoire des Crustacés.'	II. Species in Milne Edwards' from the Area of this Catalogue.	III. Species now described from the Area of this Catalogue.	IV. Species in the Collection of A. M. N.
CRUSTACEA.				
BRACHYURA.....	321	72	169	100
ANOMURA.....	82	22	87	39
MACRURA.....	46	11	34	17
CARIDA.....	145	64	182	82
SCHIZOPODA.....	24	12	102	58
STOMATOPODA.....	34	5	8	4
CUMACEA.....	1	1	100	66
ISOPODA.....	204	102	406	161
AMPHIPODA.....	130	95	663	272
XIPHOSURA.....	5	1	1	1
PHYLLOPODA.....	13	12	28	15
CLADOCERA.....	27	27	168	100
BRANCHIURA.....	2	2	9	3
OSTRACODA.....	44	41	369	206
COPEPODA.....	104	83	810	204
CIRRIPIEDIA.....	—	—	73	34
	1182	550	3209	1362

The above summary will indicate the large gaps which remain to be filled in every order; but I shall be especially obliged to those Naturalists who can aid in making the collection more complete in any of the following special points:—

1. Crustacea of the Black and Caspian Seas.
2. Abyssal Atlantic forms.
3. Grapsoidea, Carida, Schizopoda and Cumacea of the Mediterranean.
4. Astacidæ and Phyllopoda of Eastern Europe.
5. European Land Isopoda.
6. Amphipoda of Norway, Arctic Ocean, Abyss of Atlantic, and Mediterranean.
7. Ostracoda and Copepoda of American Coast, and the Mediterranean.
8. Parasitic Copepoda from the entire region, greatly desired.
9. Abyssal Atlantic Cirripedia, the Turtle Parasites, and Rhizocephala.

Of course all other species which are not in this list, will be most acceptable.

March 3rd, 1886.

MUSEUM NORMANIANUM.

III.—CRUSTACEA.

- Order I.—Brachyura.**
- Nautilograpsus.**
1 minutus, Fabr.
- Grapsus.**
2 marmoratus, Fabr.
- Sesarma.**
3 reticulata, Say.
- Heterograpsus.**
4 Lucasi, M. Edw.
- Ocypoda.**
5 quadrata, J. C. Fab.
- Gelasimus.**
6 minax, Leconte.
7 vocator, Herbst.
8 pugitator, Lat.
- Geryon.**
9 tridens, Kröyer.
10 longipes, A. M. Edw.
11 quinquedens, Smith.
- Pinnixa.**
12 cylindrica, Say.
13 chætopterana, Say.
- Pinnotheres.**
14 pisum, Penn.
15 veterum, Bosc.
16 ostreum, Say.
17 maculatus, Say.
- Corystes.**
18 cassivelaunus, Herbst.
- Atelecyclus.**
19 septemdentatus, Mont.
- Thia.**
20 polita, Leach.
- Polybius.**
21 Henslowii, Leach.
- Platyonichus.**
22 latipes, Penn.
23 nasutus, Latr.
24 ocellatus, Latr.
- Carcinus.**
25 mænas, Baster.
- Portunus.**
26 puber, Lin.
27 depurator, Lin.
28 holsatus, Fab.
29 marmoreus, Leach.
30 arcuatus, Leach.
31 pusillus, Leach.
32 corrugatus, Penn.
33 tuberculatus, Roux = pustulatus,
Norman.
34 longipes, Risso.
- Lupa.**
35 hastata, Lin.
- Callinectes.**
36 diacanthus, Latr.
- Bathynectes.**
37 longispina, Stimp.
- Eriphia.**
38 spinifrons, Herbst.
- Pilumnus.**
39 hirtellus, Penn.
40 spinifer, M. Edw.
41 tridentatus, Maitland.
- Panopeus.**
42 Herbstii, M. Edw.
43 depressus, Smith.
44 toxanus, Stimp.
- Xantho.**
45 floridus, Montagu.

- Xantho.**—continued.
 46 rivulosus, Risso.
 47 tuberculatus, Bell.
Perimela.
 48 denticulata, Mont.
Cancer.
 49 pagurus, Lin.
 50 irroratus, Say.
 51 borealis, Stimp.
Heterocrypta.
 52 Marionis, A. M. Edw.
Lambrus.
 53 angulifrons, Latr.
 54 mediterraneus, Roux.
 55 Verrillii, Smith.
Lissa.
 56 chiragra, Herbst.
Libinia.
 57 emarginata, Leach.
 58 dubia, M. Edw.
Pelia.
 59 mutica, Stimp.
Eurynome.
 60 aspera, Penn.
Pisa.
 61 tetraodon, Penn.
 62 biaculeata, Mont, = Gibbsii, Leach.
 63 nodipes, Leach.
Scyramathia.
 64 Carpenteri, Norman.
Maia.
 65 squinado, Rondel.
 66 verrucosa, M. Edw.
Herbstia.
 67 condyliata, M. Edw.
Chionæcetes.
 68 phalangium, Fabr.
Hyas.
 69 araneus, Lin.
 70 coarctatus, Leach.
Acanthonyx.
 71 lunulatus, Risso.
Anamathia.
 72 Rissoana, Roux.
 73 Agassizii, Smith.
Inachus.
 74 dorsettensis, Penn.
 75 thoracicus, Roux.
 76 dorynchus, Leach.
 77 leptochirus, Leach.

- Euprognatha.**
 78 rastellifera, Stimp.
Ergasticus.
 79 Clouei, A. M. Edw.
Collodes.
 80 robustus, Smith.
Lispognathus.
 81 Thomsoni, Norman.
Achaeus.
 82 Cranchii, Leach.
Stenorhynchus.
 83 rostratus, Lin.
 84 longirostris, Fabr.
 85 ægyptius, M. Edw.
Acanthocarpus.
 86 Alexandri, Stimp.
Calappa.
 87 granulata, Fabr.
Ebalia.
 88 tuberosa, Penn, = Pennantii, Leach.
 89 tumefacta, Penn, = Bryerii, Leach.
 90 Cranchii, Leach.
 91 nux, Norman.
Ilia.
 92 nucleus, Herbst.
Cymonotus.
 93 granulatus, Norman.
Ethusa.
 94 mascarone, Roux.
Dorippe.
 95 lanata, Bosc.
Cymopolia.
 96 Caronii, Roux.
Homola.
 97 barbata, Herbst,
 98 Cuvieri, Roux.
Dromia.
 99 vulgaris, M. Edw.
Latreillia.
 100 elegans, Roux.

Order II.—Anomura.

- Lithodes.**
 101 maia, Lin.
Hippa.
 102 emerita, Fabr, = H. talpoidea, Say.
Catapagurus.
 103 Sharreri, A. M. Edw,
 = Hemipagurus socialis, Smith,

- Catapagurus.**—continued.
 104 *gracilis*, Smith.
Diogenes.
 105 *variatus*, Costa, = *P. Dilwynii*, Bate.
Clibanarius.
 106 *misanthropus*, Risso.
 107 *Rouxi*, Heller.
Paguristes.
 108 *maculatus*, Risso.
Parapagurus.
 109 *pilosimanus*, Smith, = *Eupagurus*
Jacobi, A. M. Edw.
Eupagurus.
 110 *Bernhardus*, Fabr, = *P. ulidianus*,
Thomp., *P. Eblaniensis*, Kinahan.
 111 *Prideauxii*, Leach.
 112 *pubescens*, Kröyer = *P. Thompsoni*,
Bell, *E. Kröyeri*, Stimp.
 113 *sculptimanus*, Lucas, = *P. Forbesii*,
Bell.
 114 *Lucasi*, Heller, = *P. spinimanus*,
Lucas.
 115 *angulatus*, Risso.
 116 *meticulosus*, Roux, = *P. tricarinatus*,
Norman.
 117 *anachoretus*, Risso.
 118 *longicarpus*, Stimp.
 119 *cuanensis*, Thomp.
 120 *politus*, Smith.
 121 *pollicaris*, Say.
Spiropagurus.
 122 *Hyndmanni*, Thomp.
 123 *lævis*, Thomp.
 124 *chiroacanthus*, Lillj, = *P. ferrugineus*,
Norman
Pagurus.
 125 *striatus*, Latr.
 126 *callidus*, Roux.
Porcellana.
 127 *platycheles*, Penn.
 128 *longicornis*, Penn.
Galathea.
 129 *strigosa*, Lin.
 130 *squamifera*, Leach.
 131 *nexa*, Embleton.
 132 *intermedia*, Lilljeborg = *G.*
Andrewsii, Kinahan.
 133 *dispersa*, Bate.
Galathodes.
 134 *tridentatus*, Esmark

- Anoplomotus.**
 135 *politus*, Smith.
Munidopsis.
 136 *curvirostris*, Whiteaves.
Munida.
 137 *Rondeletii*, Bell.
 138 *tenuimana*, G. O. Sars.
 139 *caribæa*, Stimp.
Order III.—Macrura.
Callianassa.
 140 *subterranea*, Mont.
 141 *Stimpsoni*, Smith.
Gebia.
 142 *deltura*, Leach.
 143 *affinis*, Say.
Axius.
 144 *serratus*, L. Stimpson.
 145 *stirhynchus*, Leach.
Calliaxis.
 146 *adriatica*, Heller.
Callocaris.
 147 *MacAndrei*, Bell.
Palinurus.
 148 *vulgaris*, Latr.
Scyllarus.
 149 *arctus*, Fabricius.
 150 *latus*, Latr.
Homarus.
 151 *vulgaris*, M. Edw.
 152 *americanus*, M. Edw.
Polycheles.
 153 *typhlops*, Heller.
Astacus.
 154 *pallipes*, Lereb,
Nephrops.
 155 *norvegicus*, Lin.
Nephropsis.
 156 *atlantica*, Norman.
Order IV.—Carida.
Crangon.
 157 *vulgaris*, Lin.
 158 *Allmanni*, Kinahan.
 159 *echinulatus*, M. Sars.
 160 *nanus*, Kröyer.
 161 *neglectus*, G. O. Sars
 162 *trispinosus*, Bell.
 163 *brevirostris*, Smith
 164 *Jacqueti*, A. M. Edw.

- Crangon.**—continued.
- 165 spinosus, Leach.
 166 norvegicus, M. Sars.
 167 fasciatus, Risso.
 168 sculptus, Bell.
 169 cataphractus, Olivi.
- Nectocrangon.**
- 170 lar, Kröyer.
- Sclerocrangon.**
- 171 boreas, Kröyer.
 172 salebrosus, Owen, = Cheraphilus ferox, Sars.
 173 Agassizii, Smith, = Ceraphilus Agassizii, Smith.
- Sabinea.**
- 174 septemcarinata, Kröyer.
 175 Sarsii, Smith.
 176 princeps, Smith.
- Glyptocrangon.**
- 177 sculptus, Smith.
- Gnathophyllum.**
- 178 elegans, Latr.
- Lysmata.**
- 179 seticaudata, Risso.
- Nika.**
- 180 edulis, Risso.
- Acanthephyra.**
- 181 Agassizii, Smith.
- Nematocarcinus.**
- 182 ensifer, Smith.
- Hymenodora.**
- 183 glacialis, Bucholz.
- Pasiphæa.**
- 184 tarda, Kröyer.
 185 sivado, M. Edw.
- Alpheus.**
- 186 ruber, M. Edw.
 187 megacheles, Hailstone, = A. Edwardsii Bate, A. affinis, Guise.
 188 dentipes, Guerin,
 189 Costæ, Prestandrea, = A. lævimanus, Heller.
- Athanas.**
- 190 nitescens, Leach.
- Cryptocheles.**
- 191 pygmæa, G. O. Sars.
- Bythocaris.**
- 192 Payeri, Heller,
- Virbius.**
- 193 varians, Leach.
 194 fasciger, Gosse.
 195 viridis, Otto, = H. Whitei and Mitchelli, Thompson.
 196 productus, Norman.
 197 gracilis, Heller.
 198 leptocerus, Heller.
 199 zostericola, Smith.
 200 pleuracanthus, Stimpson.
- Hippolyte.**
- 201 spinus, Sowerby.
 202 securifrons, Norman.
 203 macilenta, Kröyer.
 204 Phippsii, Kröyer = turgida, Kr. fem.
 205 polaris, Sabine, = cultellata, Norman, borealis, Ross, mas.
 206 groenlandica, J. C. Fab.
 207 Gaimardi, M. Edw, = pandaliformis, Bell.
 208 Cranchii, Leach, = Yarrellii, Thomp. var.
 209 pusiola, Kröyer, = Barleei, Bate; Andrewsii, Kinahan.
 210 Fabricii, Kröyer.
- Caridion.**
- 211 Gordoni, Bate.
- Anchistia.**
- 212 scripta, Risso, = Dennisia sagittifera, Norman.
- Pontonia.**
- 213 tyrrhena, Risso.
 214 plallusiæ, Marion.
 215 flavomaculata, Heller.
- Typton.**
- 216 spongicola, Costa.
- Pandalus.**
- 217 annulicornis, Leach.
 218 borealis, Kröyer.
 219 propinquus, G. O. Sars.
 220 leptocerus, Smith.
 221 brevisrostris, Rathke, = Hipp. Thompsoni, Bell.
- Palæmonetes.**
- 222 varians, Leach.
 223 vulgaris, Say.
- Palæmon.**
- 224 serratus, Penn.
 225 squilla, Leach.
 226 minans, Norman.

- Palæmon.**—continued.
 227 Treillianus, Risso.
 228 Fabricii, Rathke, = *P. Leachii* Bell.
- Stenopus.**
 229 spinosus, Risso.
- Sicyonia.**
 230 carinata, Olivi.
- Penæus.**
 231 caramote, Risso.
 232 foliaceus, Risso.
- Solenocera.**
 233 siphonocera, Philippi, = *S. Philippii* Lucas.
- Parapenæus.**
 234 membranaceus, Risso (non *M. Edw.*)
 235 politus, Smith.
 236 constrictus, Smith.
- Amalopenæus.**
 237 elegans, Smith.
- Sergestes.**
 238 arcticus, Krøyer.

Order V.—Schizopoda.

- Lophogaster.**
 239 typicus, *M. Sars.* = *Ctenomysis alata*, Norman.
- Nematoscelis.**
 240 borealis, Norman.
- Thysanoessa.**
 241 tenera, *G. O. Sars.*
- Boreophausia.**
 242 inermis, Krøyer.
 243 Raschii, *M. Sars.*
- Nyctiphanes.**
 244 norvegica, *M. Sars.*
 245 Couchii, Bell.
- Boreomysis.**
 246 arctica, Krøyer.
 247 megalops, *G. O. Sars.*
 248 nobilis, *G. O. Sars.*
 249 scyphops, *G. O. Sars.*
- Erythroops.**
 250 erythrophthalmus, Goes.
 251 serrata, *G. O. Sars.*
 252 microphthalmus, *G. O. Sars.*
 253 pygmæa, *G. O. Sars.*
 254 abyssorum, *G. O. Sars.*
- Parerythroops.**
 255 obesa, *G. O. Sars.*
 256 abyssicola, *G. O. Sars.*

- Pseudomma.**
 257 roseum, *G. O. Sars.*
 258 affine, *G. O. Sars.*
 259 truncatum, Smith.
- Amblyops.**
 260 abbreviata, *G. O. Sars.*
- Mysidopsis.**
 261 didelphys, Norman.
 262 gibbosa, *G. O. Sars.*
 263 angusta, *G. O. Sars.*
- Leptomysis.**
 264 gracilis, *G. O. Sars.* = *Mysidopsis* hispida, Norman.
 265 lingvura, *G. O. Sars.*
 266 mediterranea, *G. O. Sars.*
- Siriella.**
 267 norvegica, *G. O. Sars.*
 268 crassipes, *G. O. Sars.*
 269 armata, *M. Edw.* = *Mysis Griffithsiæ*, Bell.
 269* Brooki, Norman.
- Mysideis.**
 270 insignis, *G. O. Sars.*
 271 grandis, Goes.
- Gastrosaccus.**
 272 sanctus, Van Ben.
 273 spinifer, Goes.
 274 Normani, *G. O. Sars.*
- Macropsis.**
 275 Slabberi, Van Ben.
- Mysis.**
 276 flexuosa, Müller.
 277 neglecta, *G. O. Sars.*
 278 inermis, Rathke.
 279 spiritus, Norman.
 280 ornata, *G. O. Sars.*
 281 Kervillei, *G. O. Sars.*
 282 Helleri, *G. O. Sars.*
 283 arenosa, *G. O. Sars.*
 284 Lamornæ, Couch.
 285 oculata, Fabr.
 286 var, relicta, Lovén.
 287 mixta, Lilljeborg.
 288 stenolepis, Smith.
 289 americana, Smith.
 290 vulgaris, Thompson.
 291 longicornis, *M. Edw.*
- Hemimysis.**
 292 abyssicola, *G. O. Sars.*

- Heteromysis.**
 293 microps, G. O. Sars.
 294 formosa, Smith.
- Mysidella.**
 295 typica, G. O. Sars.
 296 typhlops, G. O. Sars.
- Order VI.—Stomatopoda.**
- Squilla.**
 297 mantis, Rond.
 298 Desmarestii, Risso.
 299 empusa, Say.
- Lysiosquilla.**
 300 eusebia, Risso.
- Order VII.—Cumacea.**
- Cuma.**
 301 scorpioides, Montagu.
- Cyclaspis.**
 302 longicaudata, G. O. Sars.
- Iphinoe.**
 303 trispinosa, Goodsir.
 304 serrata, Norman.
 305 tenella, G. O. Sars.
- Cumopsis.**
 306 lævis, G. O. Sars.
- Vaunthompsonia.**
 307 cristata, Bate.
- Lamprops.**
 308 fasciata, G. O. Sars.
 309 fuscata, G. O. Sars.
- Hemilamprops.**
 310 rosea, Norman, = Cyrianassa
 elegans, Norman, mas.
 311 cristata, G. O. Sars.
 312 uniplicata, G. O. Sars.
- Platyaspis.**
 313 typica, G. O. Sars.
- Leucon.**
 314 nasicus, Krøyer.
 315 nasicoïdes, Lilljeborg.
 316 fulvus, G. O. Sars.
 317 acutirostris, G. O. Sars.
 318 pallidus, G. O. Sars.
 319 serratus, Norman.
 320 brevirostris, Norman.
- Eudorella.**
 321 emarginata, Krøyer, = Cyrianassa
 ciliata, Norman, mas.

- 322 truncatula, Bate, = Eudorella
 inermis, Meinert, mas.
- 323 pusilla, G. O. Sars.
 324 hispida, G. O. Sars.
 325 hirsuta, G. O. Sars.
 326 nana, G. O. Sars.
- Eudorelloopsis.**
 327 deformis, Krøyer.
- Diastylis.**
 328 Rathkii, Krøyer,
 329 lucifera, Krøyer.
 330 cornuta, Boeck.
 331 Goodsiri, Bell.
 332 scorpioides, Lepechin.
 333 picta, Stuxberg.
 334 rugosa, G. O. Sars, = D, strigata,
 Norman, mas.
 335 tumida, Lilljeborg.
 336 lævis, Norman.
 337 serrata, G. O. Sars.
 338 biplicata, G. O. Sars.
 339 lamellata, Norman.
 340 polaris, G. O. Sars.
 341 sculpta, G. O. Sars.
 342 Edwardsii, Krøyer.
 343 quadrispinosa, G. O. Sars.
 344 abbreviata, G. O. Sars.
 345 Josephinæ, G. O. Sars.
 346 longipes, G. O. Sars.
 347 echinata, Bate.
 348 spinosa, Norman, = D. bimarginata,
 Bate.
 349 Bradyi, Norman.
 350 Calveri, Norman.
 351 armata, Norman.
 352 polita, Smith.
- Leptostylis.**
 353 longimana, G. O. Sars.
 354 ampullacea, Lilljeborg.
 355 macrura, G. O. Sars.
 356 villosa, G. O. Sars.
- Pseudocuma.**
 357 cercaria, Van Ben, = Cyrianassa
 longicornis, Bate, mas.
- Petalomera.**
 358 declivis, G. O. Sars.
- Campylaspis.**
 359 rubicunda, Lilljeborg.
 360 costata, G. O. Sars.
 361 undata, G. O. Sars.

Campylaspis.—continued.

- 362 verrucosa, G. O. Sars.
 363 sulcata, G. O. Sars.
 364 horrida, G. O. Sars.

Cumella.

- 365 pygmæa, G. O. Sars, = *C. agilis*, Norman.

Nannasticus.

- 366 unguiculatus, Bate, = *N. binoculoides*, Bate, mas.

Order VIII.—Isopoda.

Apseudes.

- 367 talpa, Mont.
 368 Latreillii, M. Edw.
 369 spinosus, M. Sars,
 370 echinatus, G. O. Sars.
 371 uncidigitatus, Nor. & Steb.
 372 obtusifrons, Nor. & Steb.
 373 simplicirostris, Nor. & Steb.
 374 tricornis, Norman.
 375 gracilis, Nor. & Steb.

Sphyrapus.

- 376 malleolus, Nor. & Steb.
 377 tudes, Nor. & Steb.
 378 anomalus, G. O. Sars.

Tanais.

- 379 vittatus, Rathke.

Leptocheilia.

- 380 serratospinosa, Nor. & Steb.
 381 elegans, Nor. & Steb.
 382 affinis, Nor. & Steb.
 383 filum, Stimpson, = *L. Edwardsii*, B. & W.

Typhlotanais.

- 384 tenuiremis, Lillj,
 385 assimilis, G. O. Sars.

Leptognathia.

- 386 longiremis, Lillj.
 387 breviremis, Lillj.
 388 brevimana, Lillj.
 389 graciloides, Lillj.

Pseudotanais.

- 390 forcipatus, Lillj.

Cryptocope.

- 391 abbreviata, G. O. Sars.

Tanaella.

- 392 unguicillata, Nor. & Steb.

Strongylura.

- 393 arctophylax, Nor. & Steb.

Anthura.

- 394 gracilis, Montagu.
 395 polita, Stimpson, = *Paranthura costana*, B. & W.
 396 tenuis, G. O. Sars.

Paranthura.

- 397 brachiata, Stimpson.
 398 brunnea, Harger.
 399 norvegica, G. O. Sars.

Anceus.

- 400 maxillaris, Mont.
 401 formica, Hesse.
 402 vorax, Lucas.
 403 elongatus, Kröyer.

Livoneca.

- 404 Redmanni, Leach.

Olinkira.

- 405 prægustator, Latrobe.

Anilocra.

- 406 physodes, Lin.
 407 frontalis, M. Edw.

Nerocila.

- 408 bivittata, Risso.
 409 neapolitana, St. & M.
 410 munda, Harger.
 411 maculata, M. Edw.

Ceratothoa.

- 412 oestroides, Risso.

Emethia.

- 413 Audouinii, M. Edw.

Rocinela.

- 414 danmoniensis, Leach.
 415 Dumerillii, Lucas.

Æga.

- 416 crenulata, Lütken.
 417 Strömii, Lütken.
 418 psora, Lin.
 419 monophthalma, Johnston.
 420 arctica, Lütken.

Ægiochus.

- 421 Nordenskiöldii, Bovallius.

Syncenus.

- 422 infelix, Harger.

Conilera.

- 423 cylindracea, M. Edw.

Cirolana.

- 424 hirtipes, M. Edw., = *C. spinipes*, B. & W., = *C. borealis*, Lilljeborg,
 425 concharum, Stimp.

- Eurydice.**
 426 pulchra, Leach.
 427 truncata, Norman.
 428 polydendrica, Nor. & Steb.
- Sphaeroma.**
 429 serratum, Fab.
 430 rugicanda, Leach.
 431 Hookeri, Leach.
 432 curtum, Leach.
 433 Prideauxianum, Leach.
 434 granulatum, M. Edw.
 435 quadridentatum, Say.
- Cymodocea.**
 436 pilosa, M. Edw.
 437 truncata, Leach.
- Dynamene.**
 438 versicolor, Rathke, = *D. rubra* and
viridis, Leach, = *D. varians*,
 Stebbing.
- Næsa.**
 439 bidentata, Adams.
- Campeopea.**
 440 hirsuta, Mont.
- Limnoria.**
 441 lignorum, Rathke.
- Glyptonotus.**
 442 entomon, Lin.
 443 Sabini, Kröyer.
 444 cæcus, Say.
 445 Tuftsii, Stimpson.
- Idotea.**
 446 prismatica, Risso, = *I. parallela*,
 B. & W.
 447 marina, Lin, = *I. tricuspidata* and
pelagica, B. & W.
 448 phosphorea, Harger.
 449 metallica, Bosc, = *I. robusta*, Kröyer.
 450 emarginata, Fab.
 451 hectica, Pallas.
 452 linearis, Lin.
 453 acuminata, Leach, = *I. appendiculata*,
 M. Edw.
- Edotea.**
 454 bicuspidata, Owen.
 455 triloba, Say.
 456 montosa, Stimpson.
- Cleantis.**
 457 filiformis, Say.
 458 attenuata, Harger.
- Astacilla.**
 459 longicornis, Sow.
 460 intermedia, Goodsir.
 461 gracilis, Goodsir.
- 462 danmoniensis, Stebbing.
 463 Deshayesii, Lucas, = *A. linearis*,
 Stebbing.
 464 granulata, G. O. Sars, = *A. americana*,
 Harger.
 465 affinis, G. O. Sars.
 466 pusilla, G. O. Sars.
- Arcturus.**
 467 Baffini, Sabine.
 468 tuberosus, G. O. Sars.
 469 hystrix, G. O. Sars.
- Nannoniscus.**
 470 bicuspis, G. O. Sars.
- Asellus.**
 471 aquaticus, Lin.
- Janira.**
 472 maculosa, Leach.
- Jæra.**
 473 albifrons, Mont.
 474 Nordmanni, Rathke.
- Leptaspidia.**
 475 brevipes, B. & W.
- Dendrotium.**
 476 spinosum, G. O. Sars.
- Pleurogonium.**
 477 rubicundum, G. O. Sars.
 478 spinosissimum, G. O. Sars.
- Paramunna.**
 479 bilobata, G. O. Sars.
- Munna.**
 480 Boeckii, Kröyer.
 481 limicola, G. O. Sars.
- Ichnosoma.**
 482 bispinosum, G. O. Sars.
 483 quadrispinosum, G. O. Sars.
- Macrostylis.**
 484 spinifera, G. O. Sars.
- Desmosoma.**
 485 lineare, G. O. Sars.
 486 armatum, G. O. Sars.
 487 aculeatum, G. O. Sars.
- Ilyarachna.**
 488 longicornis, G. O. Sars.
 489 hirsuta, G. O. Sars.
 490 hirticeps, G. O. Sars.
 491 coronata, G. O. Sars.
 492 clypeata, G. O. Sars.
- Munnopsis.**
 493 typica, M. Sars.

- Eurycope.**
 494 cornuta, G. O. Sars.
 495 phalangium, G. O. Sars.
 496 mutica, G. O. Sars.
 497 producta, G. O. Sars.
 498 furcata, G. O. Sars.
 499 gigantea, G. O. Sars.
- Liriopsis.**
 500 pygmæa, Rathke.
- Aspidophryxus.**
 501 peltatus, G. O. Sars.
- Cyproniscus.**
 502 cypridinæ, G. O. Sars.
- Athelges.**
 503 paguri, Rathke.
- Pleurocrypta.**
 504 galatheæ, Hesse, = non Phryxus galatheæ, B. & W.
 505 longibranchiata, B. & W.
 506 hippolytes, Kröyer.
- Gyge.**
 507 branchialis, Cor. and Pan, = G. galatheæ, B. & W.
 508 Hyndmanni, B. & W.
 509 confusa, Norman, = Phryxus galatheæ, B. & W., non Pleurocrypta galatheæ, Hesse.
- Phryxus.**
 510 abdominalis, Kröyer.
- Ione.**
 511 thoracica, Mont.
- Bopyrus.**
 512 squillarum, Latr.
- Bopyrina.**
 513 ocellata, Czern, = Bopyrus virbii, Walz.
- Ligia.**
 514 oceanica, Lin.
 515 Brandtii, Rathke.
- Ligidium.**
 516 agile, Persoon.
 517 Couchii, Kinahan.
- Trichoniscus.**
 518 roseus, Koch.
- Armadillidium.**
 519 vulgare, Latr.
 520 granulatum, Brandt.
 521 frontirostre, B. Lund.
 522 Klugii, Brandt.

- Porcellio.**
 523 scaber, Latr.
 524 dilatatus, Brandt.
- Metaponorthrus.**
 525 pruinus, Brandt.
- Platyarthrus.**
 526 Hoffmansseggii, Brandt.
- Philoscia.**
 527 muscorum, Scopoli.
- Order IX.—Amphipoda.**
- Thyropus.**
 528 ovoides, Risso.
- Lycæa.**
 529 Malmii, Boeck.
- Themisto.**
 530 libellula, Mandt = Th. crassicornis, Bate.
 531 bispinosa, Boeck.
- Parathemisto.**
 532 oblivia, Kröyer.
 533 compressa, Goes, = Lestrigonus spinidorsalis, Bate.
- Tauria.**
 534 medusarum, O. Fab., = Hyperia tauriformis, B. & W.
- Hyperia.**
 535 medusarum, O. Müll, = H. galba Mont, Lestrigonus Kinahani, B. & W.
 536 spinipes, Boeck.
- Cystosoma.**
 537 neptuni, Guerin.
- Clydonia.**
 538 borealis, G. O. Sars.
- Phronima.**
 539 sedentaria, Forskal.
- Phronimella.**
 540 elongata, Claus.
- Phrosina.**
 541 semilunata, Risso.
- Vibilia.**
 542 Jeangerardii, Audouin.
- Talitrus.**
 543 locusta, Pallas.
- Orchestia.**
 544 gammarellus, Pallas = G. littorea, Mont.
 545 Deshayesii, Audouin.
 546 mediterranea, Costa.
 547 agilis, Smith.
 548 palustris, Smith.

- Talorchestia.**
 549 longicornis, Say.
 550 megalophthalmus, Bate.
- Hyale.**
 551 Nilssoni, Rathke, = Allorchestes
 Danai, Bate.
 552 Lubbockiana, Bate, = Allorchestes
 imbricatus and carinatus, Bate.
 553 littoralis, Stimpson.
 554 nudicornis, Heller.
- Lysianassa.**
 555 Costæ, M. Edw.
 556 longicornis, Lucas.
 557 spinicornis, Costa, = L. marina, Bate.
- Ichnopus.**
 558 affinis, Heller.
- Callisoma.**
 559 crenata, Bate.
 560 Kröyeri, Bruzelius.
- Socarnes.**
 561 Vahli, Kröyer.
- Hippomedon.**
 562 Holbölli, Kröyer, = A. denticulatus,
 Bate.
 563 abyssii, Goes.
- Aristeus.**
 564 tumidus, Kröyer, = Lysianassa
 Audouiniana, Bate.
- Anonyx.**
 565 lagena, Kröyer.
 566 gulosus, Kröyer, = A. Holbölli, Bate.
 567 nobilis, Stimpson.
 568 pumilus, Lilljeborg.
 569 melanophthalmus, Norman.
- Onesimus.**
 570 littoralis, Kröyer.
 571 plautus, Kröyer.
 572 Edwardsii, Kröyer.
- Orchomene.**
 573 serrata, Boeck, = A. Edwardsii,
 Bate (non Kröyer).
 574 minuta, Kröyer.
- Triphosa.**
 575 nana, Kröyer.
 576 longipes, Bate, = A. longipes and
 ampulla, Bate.
 577 nanoides, Lilljeborg.
- Lepidepcreum.**
 578 carinatum, Bate, = A. longicornis,
 Bate.
- Normania.**
 579 quadrimana, B. & W.
- Acidostoma.**
 580 obesum, Bate.
- Euonyx.**
 581 chelatus, Norman.
- Pontoporeia.**
 582 femorata, Kröyer.
 583 affinis, Lindstrom.
- Bathyporeia.**
 584 pilosa, Lindstrom, = A. pelagica and
 Robertsoni, Bate.
- Phoxus.**
 585 Holbölli, Kröyer.
 586 simplex, Bate.
 587 oculatus, G. O. Sars.
- Harpina.**
 588 plumosa, Kröyer.
 589 Kröyeri, Stimpson.
- Lepidactylis.**
 590 arenaria, Slabber, = Sulcator aren-
 arius, Bate.
- Urothoe.**
 591 marinus, Bate.
 592 norvegicus, Boeck, = U. Bairdii, Bate.
 593 elegans, Bate.
- Stegocephalus.**
 594 ampulla, Phipps.
- Andania.**
 595 nordlandica, Boeck.
- Amphilochus.**
 596 manudens, Bate.
- Cyproidea.**
 597 danmoniensis, Stebbing.
- Metopa.**
 598 clypeata, Kröyer.
 599 Alderi, Bate.
 600 affinis, Boeck.
 601 Solsbergi, Schneider.
 602 borealis, G. O. Sars.
 603 pollexiana, Bate.
 604 rubrovittata, G. O. Sars.
- Stenothoe.**
 605 marina, Bate.
 606 monoculoides, Montagu.

- Probolium.**
607 serratipes, Norman.
- Danaia.**
608 dubia, Bate.
- Syrrhoë.**
609 crenulata, Goes.
610 hamatipes, Norman.
- Tiron.**
611 acanthurus, Lilljeborg.
- Ediceros.**
612 saginatus, Kröyer.
613 lynceus, M. Sars.
614 borealis, Boeck.
615 microps, G. O. Sars.
616 cæculus, Bate.
617 parvimanus, Bate.
618 æquicornis, Norman.
- Monoculodes.**
619 Stimpsoni, Bate.
620 longimanus, B. & W.
621 borealis, Boeck.
622 latimanus, G. O. Sars.
623 tessellatus, Schneider.
624 longirostris, Goes.
625 Packardi, Boeck.
626 carinatus, Bate.
627 norvegicus, Boeck.
- Halimèdon.**
628 Mülleri, Boeck.
629 Saussurei, Boeck.
630 brevicealcar, Goes.
631 megalops, G. O. Sars.
- Pontocrates.**
632 norvegicus, Boeck, = Kröyera arenaria, Bate.
633 haplocheles, Grube, = Kröyera brevicearpa, B. & W.
634 altimarinus, B. & W.
- Aceros.**
635 phyllonyx, M. Sars.
- Ediceropsis.**
636 brevicornis, Lilljeborg.
- Acanthostepheia.**
637 Malmgreni, Goes.
- Pleustes.**
638 panoplus, Kröyer.
- Paramphithoe.**
639 pulchella, Kröyer.
640 bicuspis, Kröyer, = Pherusa bicuspis, Bate.
- 641 glabra, Boeck.
642 cataphracta, Stimpson.
643 fucicola, Leach.
- Parapleustes.**
644 gracilis, Bucholz.
- Laphysteus.**
645 sturionis, Kröyer.
- Odius.**
646 carinatus, Bate.
- Pereionotus.**
647 testudo, Montagu.
- Iphimedia.**
648 obesa, Rathke.
- Epimeria.**
649 cornigera, Fab. = Acanthonotus Owenii, Bate.
650 loricata, G. O. Sars.
- Acanthonotozone.**
651 cuspidata, Lepechin.
- Vertumnus.**
652 serratus, O. Fab.
653 inflatus, Kröyer.
- Tritaeta.**
654 gibbosa, Bate, = Atylus gibbosus, Bate
- Dexamine.**
655 spinosa, Montagu.
656 tenuicornis, Rathke.
- Atylus.**
657 carinatus, Fabricius.
658 Swammendammii, M. Edw.
659 vedlomensis, B. & W.
- Pontogeneia.**
660 inermis, Kröyer.
- Halirages.**
661 bispinosus, Bate.
662 tridentatus, Bruzelius.
663 fulvocinctus, M. Sars.
- Amphithopsis.**
664 latipes, M. Sars.
- Calliopius.**
665 læviusculus, Kröyer.
666 grandoculus, Bate.
667 norvegicus, Rathke.
668 bidentatus, Norman.
- Lencothoe.**
669 spinicarpus, Abild, = L. articulosa, Bate.

- Tritropis.**
670 aculeata, Lepechin.
671 inflata, G. O. Sars.
672 cataphracta, Stimpson.
- Eusirus.**
673 cuspidatus, Kröyer, = *E. helvetiæ*,
Bate.
- Lilljeborgia.**
674 pallida, Bate.
675 fissicornis, M. Sars.
- Nicippe.**
676 tumida, Bruzelius.
- Pardalisca.**
677 cuspidata, Kröyer.
- Melphidippa.**
678 longipes, Boeck.
- Amathilla.**
679 Sabini, Leach.
680 angulosa, Rathke.
681 pinguis, Kröyer.
- Eriopis.**
682 elongata, Bruzelius.
- Niphargus.**
683 aquilex, Schiödte.
- Gammarella.**
684 brevicaudata, M. Edw.
685 Normani, B. & W.
- Isæa.**
686 Montagui, M. Edw.
- Cheirocratus.**
687 Sundevalli, Rathke, = *Lilljeborgia*
shetlandica, B. & W.; *Proto-*
medeia Whitei, Bate; *Cheiro-*
cratus Normani, Stebbing.
688 assimilis, Lilljeborg, = *Ch. mantis*,
Norman.
- Melita.**
689 obtusata, Mont., = *M. proxima*, Bate;
Megamæra Alderi, Bate.
690 gladiosa, Bate.
691 palmata, Montagu.
692 angulata, Smith.
693 dentata, Kröyer.
694 orchestipes, Costa,
695 nitida, Smith.
- Mæra.**
696 Lovéni, Bruzelius.
697 longimana, Thompson.
698 othonis, M. Edw.
- 699 Batei, Norman, = *Megamæra*
multidentata, B. & W.
700 semiserrata, Bate.
701 brevicandata, Bate.
702 grossimana, Montagu.
703 lævis, Smith.
704 Danæ, Stimpson.
- Gammarus.**
705 locusta, Lin.
706 marinus, Leach.
707 campylops, Leach.
708 Edwardsii, Bate.
709 pulex, Pennant.
710 neglectus, Lilljeborg.
711 veneris, Heller.
- Byblis.**
712 Gaimardi, Kröyer.
713 serrata, Smith.
- Ampelisca.**
714 tenuicornis, Lilljeborg, = *A. lævigata*,
B. & W.
715 typica, Bate, = *A. Gaimardi*, Bate
(non Kröyer.)
716 æquicornis, Bruzelius.
717 Eschrichtii, Kröyer.
718 macrocephala, Lilljeborg.
719 lævigata, Lilljeborg.
720 gracilis, Smith.
721 limicola, Stimpson.
- Haploops.**
722 tubicola, Lilljeborg.
723 setosa, Boeck.
- Ptilocheirus.**
724 hirsutimanus, Bate.
725 pilosus, Zaddach.
726 pinguis, Stimpson.
- Photis.**
727 Reinhardi, Kröyer.
728 longicaudata, B. & W.
- Megamphopus.**
729 cornutus, Norman.
- Microtopus.**
730 maculatus, Norman.
- Microdeuteropus.**
731 gryllotalpa, Costa, = *Autonoe grandi-*
mana, Bruz.
732 anomalus, Rathke, = *M. gryllotalpa*,
Bate (non Costa.)

- Microdeuteropus.**—continued.
 733 minax, Smith.
Stimpsonia.
 734 chelifera, Bate.
Aora.
 735 gracilis, Bate.
Autonoe.
 736 Websteri, Bate.
 737 longipes, Lilljeborg.
 738 plumosa, Boeck, = *Microdeuteropus bidentatus*, Stebbing.
 739 versiculata, Bate.
Protomedeia.
 740 fasciata, Kröyer.
Gammaropsis.
 741 erythrophthalmus, Lilljeborg.
 742 melanops, G. O. Sars.
Podocerospis.
 743 Sophiæ, Boeck, = *Nænia tuberculosa*, Bate.
 744 rimapalma, Bate, = *Nænia excavata* and undata, Bate.
Amphithoe.
 745 podoceroïdes, Rathke, = *A. littorina*, Bate.
 746 rubricata, Montagu.
 747 cuniculus, Stebbing.
 748 penicillata, A. Costa.
 749 maculata, Stimpson.
Sunamphithoe.
 750 hamulus, Bate.
Janassa.
 751 capillata, Rathke.
Podocerus.
 752 falcatus, Montagu, = *Jassa pelagica* and pulchella, Leach.
 753 variegatus, Leach.
 754 anguipes, Kröyer.
 755 latipes, Kröyer.
 756 assimilis, G. O. Sars.
 757 minutus, G. O. Sars.
Erichthonius.
 758 difformis, M. Edw. = *Dercothoe punctatus*, Bate, fem.
 759 abditus, Templeton.
Corophium.
 760 grossipes, Lin. = *Gammarus longicornis*, Fabr.
 761 crassicorne, Bruzelius, = *C. spinicorne* and Bonellii, B. & W.
 762 tenuicorne, Norman.
 763 cylindricum, Say.
Siphonœcetes.
 764 typicus, Kröyer.
 765 pallidus, G. O. Sars.
 766 cuspidatus, Smith.
Colomastix.
 767 pusilla, Grube, = *Exunguia stilipes*, Norman.
Dryope.
 768 irrorata, Bate.
 769 crenatipalmata, Bate.
Dulichia.
 770 falcata, Bate.
 771 porrecta, Bate.
 772 monacantha, Metzger.
Unciola.
 773 irrorata, Say.
 774 planipes, Norman, = *Unciola leucopis*, B. & W. (non Kröyer).
Lætmatophilus.
 775 Darwini, Bate.
 776 armatus, Norman.
Chelura.
 777 terebrans, Philippi.
Proto.
 778 ventricosa, Müller, = *P. pedata* and Goodseri, B. & W.
Ægina.
 779 spinifera, Bell, = *A. spinosissima*, Stimpson.
Protella.
 780 phasma, Mont.
Podalirius.
 781 typicus, Kröyer.
 782 minutus, Mayer.
 783 Kröyeri, Haller.
Caprella.
 784 linearis, Lin. = *C. lobata*, B. & W.
 785 æquilibra, Say.
 786 acutifrons, Latr.
 787 hystrix, Bell, = *C. acuminifera*, Bate (non Latr).
 788 tuberculata, Guerin.
 789 dentata, Haller.
 790 acanthifera, Leach, = *C. calva*, B. & W.
 791 grandimana, Mayer, = *C. Dohrni*, Haller.
 792 septentrionalis, Kröyer.
 793 spinosissima, Norman, = *C. horrida* Sars.

Cyamus.

- 794 ceti, Pallas.
 795 boopis, Lütken.
 796 monodontis, Lütken.
 797 nodosus, Lütken.
 798 globicipitis, Lütken.

Plytycyamus.

- 799 Thompsoni, Gosse.

Order X.—Xiphosura.**Limulus.**

- 800 polyphemus, Latr.

Order XI.—Phyllopora.**Nebalia.**

- 801 bipes, Fabr.

Limnetis.

- 802 brachyurus, Müller.

Limnadia.

- 803 lenticularis, Lin.

Estheria.

- 804 cycladoides, Joly.
 805 pesthinensis, Bruhl.

Apus.

- 806 cancriformis, Schæffer.

Lepidurus.

- 807 productus, Bosc.
 808 glacialis, Kröyer.

Branchipus.

- 809 Grubei, Dybowski.

Chirocephalus.

- 810 stagnalis, Lin.
 811 diaphanus, Prevost.

Branchinecta.

- 812 paludosa, Müller.

Streptocephalus.

- 813 torvicornis, Waga.

Polyartemia.

- 814 forcipata, Fischer.

Artemia.

- 815 salina, Fab.

Order XII.—Cladocera.**Latona.**

- 816 setifera, Müller.

Daphnella.

- 817 brachyura, Liévin, = D. Wingii, Baird.
 818 Brandtiana, Fischer.

Sida.

- 819 crystallina, Müller.

Limnosida.

- 820 frontosa, G. O. Sars.

Holopedium.

- 821 gibberum, Zaddach.

Daphnia.

- 822 pulex, De Geer.

(a) var: Middendorffiana, S.
 Fischer.

- 823 magna, Strauss, = D. Schæfferi, Baird.

- 824 longispina, Müller.

(a) var: cavifrons, G. O. Sars.

- 825 psittacea, Baird.

- 826 brevisetosa, Hellich.

- 827 hyalina, Leydig.

- 828 pellucida, P. E. Müller.

- 829 ovata, G. O. Sars.

- 830 lacustris, G. O. Sars.

(a) var: galeata, G. O. Sars.

- 831 Jardinii, Baird, = D. cucullata,
 G. O. Sars.

(a) var: apicata, Kurz.

(b) var: kahlbergiensis, Schödler.

(c) var: cederstromii, Schödler.

- 832 longiremisi, G. O. Sars.

Cephaloxus.

- 833 cristatus, G. O. Sars.

Simocephalus.

- 834 vetulus, Müller.

- 835 exspinosus, Koch.

- 836 serrulatus, Koch.

- 837 congener, Koch.

Scapholeberis.

- 838 mucronata, Müller.

- 839 obtusa, Schödler.

Ceriodaphnia.

- 840 reticulata, Jurine.

- 841 quadrangula, Müller.

- 842 rotunda, Straus.

- 843 megalops, G. O. Sars.

- 844 pulchella, G. O. Sars.

- 845 laticaudata, P. E. Müller.

Moina.

- 846 rectirostris, Müller.

- 847 Lilljeborgii, Schödler.

Bosmina.

- 848 cornuta, Jurine.

- 849 longirostris, Müller.

- 850 longispina, Leydig.

- Bosmina.**—continued.
- 851 Lilljeborgii, G. O. Sars.
852 coregoni, Baird, = *B. rotunda*,
Schödler, *B. diaphana*, P. E.
Müller.
853 nitida, G. O. Sars.
854 maritima, P. E. Müller.
855 brevisrostris, P. E. Müller.
856 bohemica, Hellick.
857 gibbera, Schödler.
- Lathonura.**
858 rectirostris, Müller.
- Macrothrix.**
859 laticornis, Jurine.
860 rosea, Jurine.
861 hirsuticornis, Nor. and Brad.
- Ophryoxus.**
862 gracilis, G. O. Sars.
- Acantholeberis.**
863 curvirostris, Müller.
- Ilyocryptus.**
864 sordidus, Liévin.
865 acutifrons, G. O. Sars.
866 agilis, Kurz.
- Streblocerus.**
867 minutus, G. O. Sars.
- Drepanothrix.**
868 dentata, Euren.
- Eurycercus.**
869 lamellatus, Müller.
- Camptocercus.**
870 macrurus, Müller.
871 rectirostris, Schödler.
872 Lilljeborgii, Schödler.
- Acroperus.**
873 harpa, Baird.
874 angustatus, G. O. Sars.
- Alonopsis.**
875 elongata, G. O. Sars.
876 latissima, Kurz.
- Leydigia.**
877 acanthocercoides, Fischer.
878 quadrangularis, Leydig.
- Lynceus.**
879 quadrangularis, Müller.
880 oblongus, P. E. Müller.
881 tenuicaudis, G. O. Sars.
882 costatus, G. O. Sars.
883 guttatus, G. O. Sars.
884 lineatus, Fischer.
- 885 sanguineus, P. E. Müller.
886 intermedius, G. O. Sars.
887 rostratus, Koch.
- Harpohynchus.**
888 falcatus, G. O. Sars.
- Graptoleberis.**
889 testudinaria, Fischer.
- Alonella.**
890 excisa, Schödler.
891 exigua, Lilljeborg.
892 nana, Baird.
- Peracantha.**
893 truncata, Müller.
- Pleuroxus.**
894 trigonellus, Müller.
895 lævis, G. O. Sars, = *P. hastatus*,
G. O. Sars.
896 striatus, Schödler.
897 uncinatus, Baird.
898 aduncus, Jurine.
- Chydorus.**
899 globosus, Baird.
900 sphæricus, Müller.
901 barbatus, G. S. Brady.
902 latus, G. O. Sars.
903 cælatus, Schödler.
904 piger, G. O. Sars.
905 ovalis, Kurz.
- Anchistropus.**
906 emarginatus, G. O. Sars.
- Monospilus.**
907 tenuirostris, Fischer.
- Polyphemus.**
908 pediculus, De Geer.
- Bythotrephes.**
909 longimanus, Lilljeborg.
- Podon.**
910 intermedius, Lilljeborg.
911 polyphemoides, Leuckart.
912 minutus, G. O. Sars.
- Evadne.**
913 Nordmanni, Lovén.
914 spinifera, P. E. Müller.
- Leptodora.**
915 hyalina, Lilljeborg.

Order XIII.—Branchiura.**Argulus.**

- 916 foliaceus, Lin.
917 coregoni, Thorell.
918 laticauda, Smith.

Order XIV.—Ostracoda.**Cypris.**

- 919 fuscata, Jurine.
920 incongruens, Rambohr.
921 virens, Jurine.
(a) var: ventricosa, B. and R.
922 obliqua, Brady.
923 affinis, Fischer.
924 ornata, Müller.
925 tumefacta, B. and R.
926 compressa, Baird.
927 pubera, Müller, = *C. punctillata*,
Norman.
928 bispinosa, Lucas.
929 hirsuta, Fischer.
930 tessellata, Fischer.
931 dromedarius, Fischer.
932 fasciata, Müller.
933 strigata, Müller.
934 reptans, Baird.
935 prasina, Fischer.
936 salina, Brady.
937 gibba, Rambohr.
938 exsculpta, Fischer, = *C. striolata*,
Brady.
939 cinerea, Brady.
940 lævis, Müller.
941 ovum, Jurine.
942 serrata, Norman, = *C. serrulata*,
G. O. Sars.
943 trigonella, Brady.
944 olivacea, n. sp.
- Cypridopsis.**
945 vidua, Müller, = *C. obesa*, B. and R.
946 Newtoni, Bra. and Rob.
947 villosa, Jurine.
948 aculeata, Lilljeborg.
- Potamocypris.**
949 fulva, Brady.
- Aglaiia.**
950 complanata, B. and R.
- Cyprois.**
951 dispar, Fischer.

Notodramas.

- 952 monachus, Müller.

Paracypris.

- 953 polita, G. O. Sars.

Candona.

- 954 albicans, Brady.
955 lactea, Baird.
956 compressa, Koch.
957 candida, Müller.
958 detecta, Müller.
959 similis, Baird.
960 fabæformis, Fischer, = *diaphana*,
B. and R.
961 Kingsleei, B. and R.
962 exserta, Fischer.

Argillæcia.

- 963 cylindrica, G. O. Sars.
964 angusta, Brady.

Pontocypris.

- 965 mytiloides, Norman.
966 hispida, G. O. Sars.
967 acupunctata, Brady.
968 trigonella, G. O. Sars.

Bairdia.

- 969 inflata, Norman.
970 acanthigera, Brady.
971 obtusata, G. O. Sars.
972 complanata, Brady.
973 Crosskeyana, Brady.
974 formosa, Brady.

Macrocypris.

- 975 minna, Baird.
976 angusta, G. O. Sars.

Loxoconcha.

- 977 impressa, Baird.
978 viridis, Müller, = *L. elliptica*, Brady.
979 granulosa, G. O. Sars.
980 fragilis, G. O. Sars.
981 guttata, Norman.
982 tamarindus, Jones.
983 multifora, Norman.
984 pusilla, B. and R.

Xestoleberis.

- 985 aurantia, Baird.
986 depressa, G. O. Sars.
987 labiata, B. and R.

Cytherura.

- 988 nigrescens, Baird.
989 cuneata, Brady, = *C. flavescens*,
Brady, fem,

Cytherura.—continued.

- 990 angulata, Brady, = *C. insolita*, Brady,
(monstrous).
991 producta, Brady.
992 striata, G. O. Sars, = *C. quadrata*,
Norman, fem.
993 lineata, Brady.
994 Sarsii, Brady.
995 simplex, Brady.
996 similis, G. O. Sars.
997 gibba, Müller, = *C. Robertsoni*,
Brady.
998 cornuta, Brady, = *C. gibba*, Brady,
(non Müller).
999 acuticostata, G. O. Sars.
1000 fulva, B. and R.
1001 pumila, B. C. and R.
1002 concentrica, B. C. and R.
1003 propinqua, B. and R.
1004 undata, G. O. Sars.
1005 clathrata, G. O. Sars.
1006 cellulosa, Norman.
1007 affinis, G. O. Sars.

Cytheropteron.

- 1008 latissimum, Norman.
1009 nodosum, Brady.
1010 pyramidale, Brady.
1011 inflatum, B. C. and R.
1012 subcircinatum, G. O. Sars.
1013 punctatum, Brady.
1014 alatum, G. O. Sars, = *C. inornatum*,
Brady (junior).
1015 angulatum, B. and R.
1016 rectum, Brady.
1017 mucronulatum, Brady.

Pseudocythere.

- 1018 caudata, G. O. Sars.

Bythocythere.

- 1019 simplex, Norman.
1020 constricta, G. O. Sars.
1021 turgida, G. O. Sars.
1022 dromedarius, G. O. Sars.

Cytherideis.

- 1023 subulata, Brady.
1024 foveolata, Brady,

Sclerochilus.

- 1025 contortus, Norman.

Xiphichilus.

- 1026 tenuissimus, Norman.

Paradoxostoma.

- 1027 variabile, Baird.
1028 abbreviatum, G. O. Sars.
1029 ensiforme, Brady.
1030 Normani, Brady.
1031 pulchellum, G. O. Sars.
1032 Fischeri, G. O. Sars.
1033 obliquum, G. O. Sars.
1034 orchadense, B. and R.
1035 hibernicum, Brady.
1036 sarniense, Brady.
1037 flexuosum, Brady.
1038 tenerum, Brady.
1039 arcuatum, Brady.

Darwinella.

- 1040 Stevensoni, B. and R.

Metacypris.

- 1041 cordata, B. and R.

Cythere.

- 1042 lutea, Müller.
1043 cyamos, Norman, = *C. viridis*, Brady
(non Müller).
1044 pellucida, Baird.
1045 castanea, G. O. Sars.
1046 porcellanea, Brady.
1047 macallana, B. and R.
1048 tenera, Brady.
1049 crispata, Brady.
1050 badia, Norman.
1051 gibbosa, B. and R.
1052 Robertsoni, Brady.
1053 oblonga, Brady.
1054 rubida, Brady.
1055 pulchella, Brady.
1056 villosa, G. O. Sars.
1057 fuscata, Brady.
1058 convexa, Baird.
1059 albomaculata, Baird.
1060 leioderma, Norman.
1061 cuneiformis, Brady.
1062 navicula, Norman, = *Cytherura*
navicula, Norman, = *Cythere*
fidicula, B. and R.
1063 limicola, Norman.
1064 globulifera, Brady.
1065 tuberculata, G. O. Sars.
1066 concinna, Jones.
1067 borealis, Brady.
1068 angulata, G. O. Sars.
1069 emarginata, G. O. Sars.

Cythere.—continued.

- 1070 finmarchica, G. O. Sars.
 1071 abyssicola, G. O. Sars.
 1072 crenulata, G. O. Sars.
 1073 costata, Brady.
 1074 marginata, Norman, = *C. laticarina*,
 Brady.
 1075 dubia, Brady.
 1076 quadridentata, Baird.
 1077 emaciata, Brady.
 1078 Stimpsoni, Brady.
 1079 mirabilis, Brady.
 1080 mucronata, G. O. Sars.
 1081 dunelmensis, Norman.
 1082 Whitei, Baird.
 1083 antiquata, Baird.
 1084 Jonesii, Baird.
 1085 acerosa, Brady.
 1086 semipunctata, Brady.
 1087 echinata, G. O. Sars.
 1088 canadensis, Brady.
 1089 irpex, Brady.
 1090 dasyderma, Brady.
 1091 acanthoderma, Brady.

Limnocythere.

- 1092 inopinata, Brady.
 1093 relictata, Lilljeborg.
 1094 monstifica, Norman.
 1095 Sancti-Patricii, B. and R.

Cytheridea.

- 1096 elongata, Brady.
 1097 cornea, B. and R.
 1098 papillosa, Bosquet.
 1099 punctillata, Brady.
 1100 torosa, Jones.
 (a) var : *lævis*
 1101 lacustris, G. O. Sars.
 1102 zetlandica, Brady.
 1103 subflavesceus, Brady.

Eucythere.

- 1104 declivis, Norman.
 (a) var : *argus*, G. O. Sars.
 (b) var : *anglica*, Brady.

Krithe.

- 1105 bartonensis, Jones.
 1106 producta, Brady.
 1107 glacialis, B. and R.

Cypridina.

- 1108 norvegica, Baird.
 1109 mediterranea, Costa.

Bradycinetus.

- 1110 Brenda, Baird.
 1111 Macandrei, Baird.
 1112 Lilljeborgii, G. O. Sars.

Philomedes.

- 1113 interpuncta, Baird.
 1114 Folini, Brady.

Asterope.

- 1115 Mariæ, Baird.
 1116 teres, Norman.

Halocypris.

- 1117 obtusata, G. O. Sars.

Conchœcia.

- 1118 borealis, G. O. Sars.

Sarsiella.

- 1119 capsula, Norman.

Polycope.

- 1120 orbicularis, G. O. Sars.
 1121 compressa, B. and R.
 1122 dentata, Brady.

Cytherella.

- 1123 scotica, Brady.
 1124 abyssorum, G. O. Sars.

Order XV.—Copepoda.**Euchaeta.**

- 1125 norvegica, Boeck.

Calanus.

- 1126 finmarchicus, Gunner.

Pleuromma.

- 1127 armatum, Boeck, = *Metridia*
armata, Brady.

Calanella.

- 1128 mediterranea, Claus.

Paracalanus.

- 1129 parvus, Claus.

Clausia.

- 1130 elongata, Boeck, = *Pseudocalanus*
elongatus, Brady.
 1131 armata, Boeck.

Limnocalanus.

- 1132 macrurus, G. O. Sars.

Heterocope.

- 1133 appendiculata, G. O. Sars.
 1134 alpina, G. O. Sars.
 1135 saliens, Lilljeborg.

- Dias.**
 1136 longiremis, Lilljeborg.
 1137 bifilosus, Giesbrecht.
 1138 discaudatus, Giesbrecht.
 1139 Mossi, Norman.
- Temorella.**
 1140 velox, Lilljeborg.
 1141 Clausii, Hoek.
 1142 hirundo, Giesbrecht.
- Temora.**
 1143 longicaudata, Lubbock, = T.
 longicornis, Brady.
- Diaptomus.**
 1144 castor, Jurine.
 1145 gracilis, G. O. Sars.
 1146 laticeps, G. O. Sars.
 1147 cæruleus, S. Fischer.
- Centropages.**
 1148 typicus, Kröyer.
 1149 hamatus, Lilljeborg.
- Parapontella.**
 1150 brevicornis, Lilljeborg.
- Isias.**
 1151 clavipes, Boeck.
- Anomalocera.**
 1152 Patersonii, Templeton.
- Cervinia.**
 1153 Bradyi, Norman.
- Oithina.**
 1154 spinirostris, Claus.
- Cyclopina.**
 1155 gracilis, Claus.
- Thorellia.**
 1156 brunnea, Boeck.
 1157 pallida, Norman.
- Cyclops.**
 1158 signatus, Claus.
 1159 tenuicornis, Claus.
 1160 strenuus, Fischer.
 1161 gigas, Claus.
 1162 pulchellus, Koch.
 1163 vicinus, Uljanin, = C. pulchellus,
 Brady.
 1164 annulicornis, Koch.
 1165 Leuckartii, Claus.
 1166 oithinoides, G. O. Sars.
 1167 scutifer, G. O. Sars.
 1168 abyssorum, G. O. Sars.
 1169 lacustris, G. O. Sars.
 1170 viridis, Fischer.
- 1171 robustus, G. O. Sars.
 1172 lucidulus (Koch), G. O. Sars.
 1173 bisetosus, Rehberg.
 1174 crassus, Fischer.
 1175 languidus, G. O. Sars.
 1176 insignis, Claus.
 1177 Lubbockii, Brady.
 1178 serrulatus, Fischer.
 1179 macrurus, G. O. Sars.
 1180 capillatus, G. O. Sars.
 1181 crassicaudis, G. O. Sars.
 1182 varicans, G. O. Sars.
 1183 diaphanus, Fischer.
 1184 affinis, G. O. Sars.
 1185 gracilis, Lilljeborg.
 1186 Kaufmanni, Uljanin.
 1187 phaleratus, Koch.
 1188 fimbriatus, Fischer.
 1189 æquoreus, Fischer.
- Notodelphys.**
 1190 Allmanni, Thorell.
 1191 cærulea, Thorell.
 1192 agilis, Thorell.
 1193 prasina, Thorell.
- Doropygus.**
 1194 pulex, Thorell.
 1195 Normani, Brady.
 1196 gibber, Thorell.
 1197 porcicauda, Brady.
- Notopterophorus.**
 1198 papilio, Hesse.
 1199 elatus, Costa.
 1200 elongatus, Costa.
- Botachus.**
 1201 cylindratus, Thorell.
- Ascidicola.**
 1202 rosea, Thorell.
- Ectinosoma.**
 1203 spinipes, Brady.
 1204 melaniceps, Boeck.
- Longipedia.**
 1205 coronata, Claus.
- Zosime.**
 1206 typica, Boeck.
- Tachidius.**
 1207 brevicornis, Müller.
- Euterpe.**
 1208 gracilis, Claus.
- Amymone.**
 1209 sphærica, Claus.

- Stenhelia.**
 1210 hispida, Brady.
- Canthocamptus.**
 1211 minutus, Müller.
 1212 hibernicus, Brady.
 1213 palustris, Brady.
 1214 pygmæus, G. O. Sars.
 1215 Lilljeborgii, Boeck.
 1216 crassus, G. O. Sars.
 1217 lucidulus, Rehberg.
- Mesochra.**
 1218 Lilljeborgii, Boeck.
- Diosaccus.**
 1219 tenuicornis, Claus.
- Laophonte.**
 1220 serrata, Claus.
 1221 horrida, Norman.
 1222 thoracica, Boeck.
 1223 similis, Claus.
 1224 forcipata, Claus.
 1225 curticauda, Boeck.
 1226 longicaudata, Boeck.
 1227 lamellifera, Claus.
- Cletodes.**
 1228 propinqua, B. and R.
- Dactylopus.**
 1229 tisboides, Claus.
 1230 Strömii, Baird.
 1231 flavus, Claus.
 1232 brevicornis, Claus.
- Thalestris.**
 1233 mysis, Claus.
 1234 helgolandica, Claus.
 1235 rufocincta, Norman.
 1236 harpacticoides, Claus.
 1237 Clausii, Norman.
 1238 rufoviolens, Claus.
 1239 hibernica, B and R.
 1240 longimana, Claus.
 1241 Cronii, Kröyer, = Harpacticus
 Cronii, Kröyer.
- Westwoodia.**
 1242 nobilis, Baird.
- Harpacticus.**
 1243 chelifera, Müller.
 1244 fulvus, Fischer.
- Zaus.**
 1245 spinatus, Goodsir.
 1246 Goodsiri, Brady.
- Peltidium.**
 1247 purpurocinctum, Norman.
 1248 depressum, Baird, = A. interruptum,
 Goodsir.
 1249 typicum, Czern, = P. crenulatum,
 Brady.
- Porcellidium.**
 1250 fimbriatum, Claus.
 1251 viride, Philippi.
 1252 subrotundum, Norman.
- Idya.**
 1253 furcata, Baird.
 1254 palæocrystica, Norman.
- Scutellidium.**
 1255 fasciatum, Boeck.
- Antaria.**
 1256 mediterranea, Claus.
- Corycaeus.**
 1257 typicus, Kröyer.
- Sapphirina.**
 1258 fulgens, Tilesius.
- Lichomolgus.]**
 1259 furcillatus, Thorell.
 1260 pteroidis, D. Valle.
 1261 forficula, Thorell.
- Sabelliphilus.**
 1262 Sarsii, Claparede.
- Anthessius.**
 1263 solecurti, Valle.
- Eolidicola.**
 1264 tenax, M. Sars.
- Cycloplicera.**
 1265 echinicola, Norman.
 1266 nigripes, B. and R.
- Artotrogus.**
 1267 magniceps, Brady.
 1268 Normani, Brady.
- Dyspontius.**
 1269 striatus, Thorell.
- Enterocola.**
 1270 eruca, Norman.
- Nicthoe.**
 1271 astaci, M. Edw.
- Splanchnotrophus.**
 1272 gracilis, Norman and Hancock.
- Chondracanthus.**
 1273 zeii, Delaroche.
 1274 merlucii, Holten, = C. xiphiae, Cuv.
 1275 nodosus, Müller.

Chondracanthus.—continued.

- 1276 Dufresnii, Blainv, = *C. gibbosus*,
Kröyer.
1277 cornutus, Müller.
1278 soleæ, Kröyer.
1279 gurnardi, Kröyer, = *C. lophii*,
Johnston.

Diocus.

- 1280 gobinus, Fabr.

Lernæopoda.

- 1281 elongata, Grant.
1282 carpionis, Kröyer.
1283 salmonea, Lin.
1284 Edwardsii, Olsson.
1285 galei, Kröyer.

Charopinus.

- 1286 Dalmanni, Retzius.

Achtheres.

- 1287 percarum, Nordmann.

Tracheliastes.

- 1288 polycolpus, Nordmann.

Brachiella.

- 1289 rostrata, Kröyer.
1290 thynni, Cuvier.
1291 impudica, Nordmann.
1292 bispinosa, Nordmann.

Anchorella.

- 1293 uncinata, Müller.
1294 rugosa, Kröyer.

Lestera.

- 1295 lumpi, Kröyer.

Lernæocera.

- 1296 esocina, Burmeister.

Caligus.

- 1297 curtus, Müller.
1298 rapax, M. Edw.
1299 centrodonti, Baird.
1300 minimus, Otto.

Lepeophtheirus.

- 1301 Nordmanni, M. Edw.
1302 hippoglossi, Kröyer.
1303 pectoralis, Müller.
1304 Thompsoni, Baird.
1305 branchialis, Malm.
1306 salmonis, Kröyer.

Trebius.

- 1307 caudatus, Kröyer.

Euryphorus.

- 1308 nympha, St. and Lüt.

Denematura.

- 1309 ferox, Kröyer.
1310 producta, Müller.
1311 serrata, Kröyer.

Elytrophora.

- 1312 brachyptera, Gerstaecker.

Echthrogaleus.

- 1313 coleopratus, Guerin.

Nogagus.

- 1314 Lütkeni, Norman.
1315 angustatus, Gerstaecker.

Pandarus.

- 1316 bicolor, Leach.

Phyllophora.

- 1317 cornuta, M. Edw.

Læmargus.

- 1318 muricatus, Kröyer.

Cecrops.

- 1319 Latreillii, Leach.

Dichelestium.

- 1320 sturionis, Hermann.

Lamproglena.

- 1321 pulchella, Nordmann.

Nemesis.

- 1322 lamnæ, Risso.

Peniculus.

- 1323 fistula, Nordmann.

Lerneænicus.

- 1324 sprattæ, Sowerby.

Hæmobaphes.

- 1325 cyclopterina, Fabr.

Lernæa.

- 1326 branchialis, Lin.

Pennella.

- 1327 orthagorisci, P. Wright.
1328 filosa, Cuv.

Order XVI.—Cirripedia.**Pollicipes.**

- 1329 cornucopia, Leach.

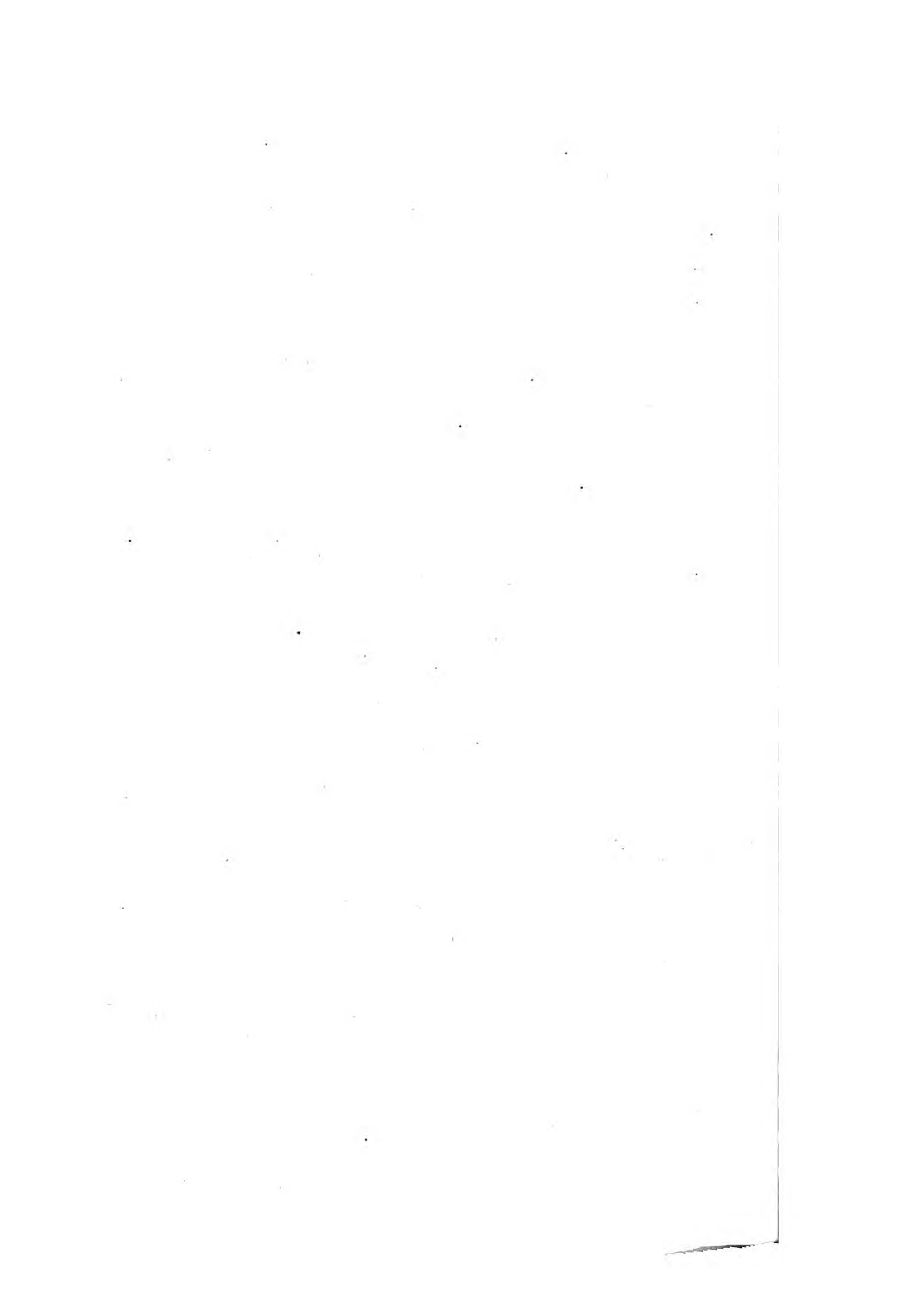
Scalpellum.

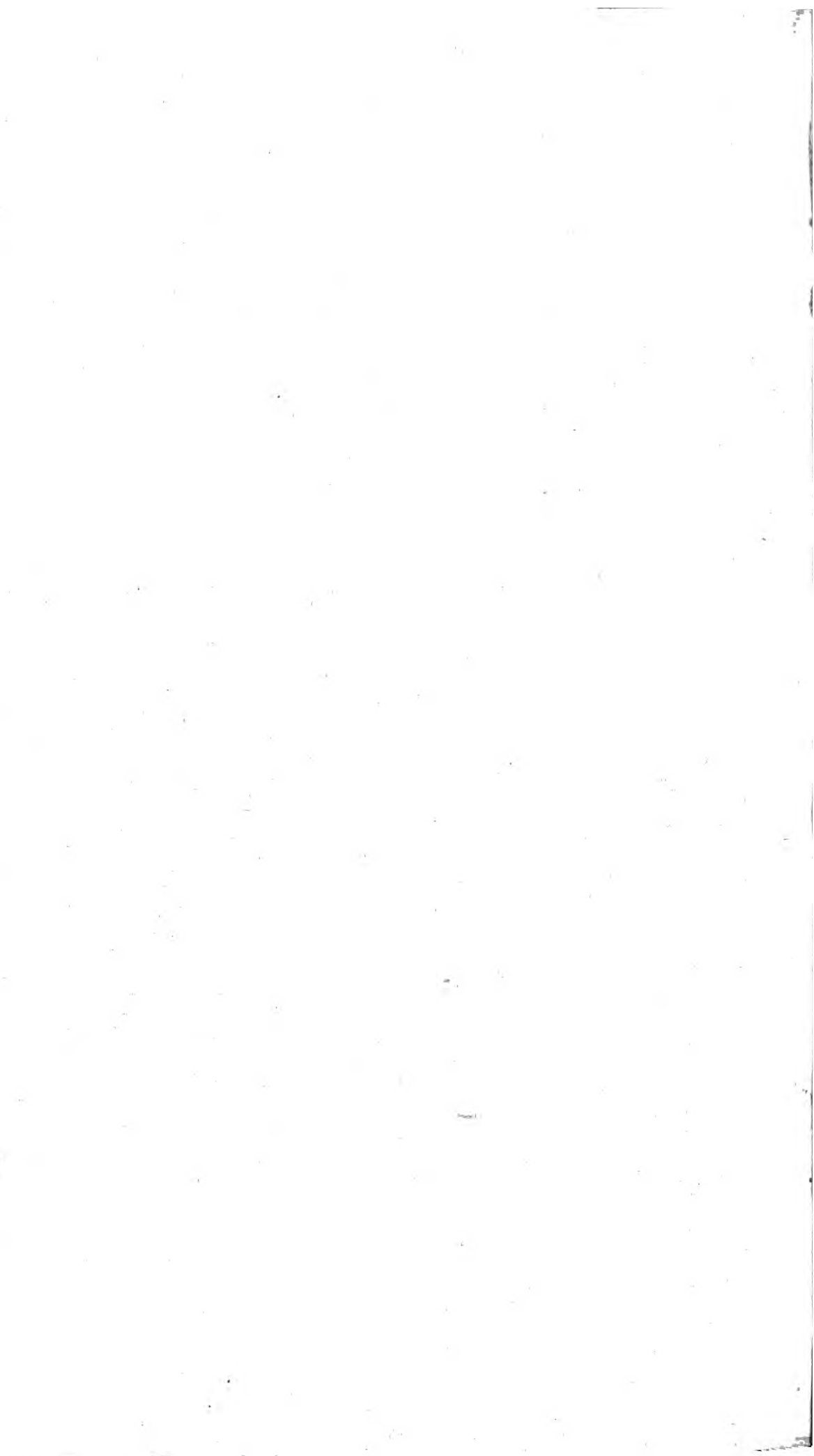
- 1330 vulgare, Leach.
1331 Strömii, G. O. Sars.
1332 angustum, G. O. Sars, = *S.*
nymphocola, Hoek.

Alepas.

- 1333 minuta, Philippi.

- Conchoderma.**
 1334 auritum, Lin.
 1335 virgatum, Spengler.
 1336 gracile, Heller.
- Dichelaspis.**
 1337 Darwinii, Fil.
- Lepas.**
 1338 anatifera, Lin.
 1339 ansiferina, Lin.
 1340 pectinata, Spengler.
 1341 fascicularis, Ellis and Sol.
- Alcippe.**
 1342 lampas, Hancock.
- Verruca.**
 1343 Strömia, Müller.
- Chthamalus.**
 1344 stellatus, Poli.
- Xenobalanus.**
 1345 globicipitis, Steenstrup.
- Tubicinella.**
 1346 trachealis, Shaw.
- Coronula.**
 1347 diadema, Lin.
- Pyrgoma.**
 1348 anglicum, G. B. Sow.
- Acasta.**
 1349 spongites, Poli.
- Balanus.**
 1350 tintinnabulum, Lin.
 1351 perforatus, Bruz.
 1352 porcatus, Costa.
 1353 crenatus, Bruz.
 1354 balanoides, Lin.
 1355 Hameri, Ascan.
- Clistosaccus.**
 1356 paguri, Lillj.
- Peltogaster.**
 1357 paguri, Rathke.
 1358 sulcatus, Lillj.
 1359 socialis, Müll.
- Lernæodiscus.**
 1360 subterraneus, Kossman.
- Sacculina.**
 1361 carcini, Thomp.
 1362 triangularis, Anderson.
- Sylon.**
 1363 hippolytes, Kröyer.





With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

IV. MOLLUSCA MARINA.

V. BRACHIOPODA.

PRINTED FOR PRIVATE DISTRIBUTION.

DURHAM:
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1888.

PREFATORY NOTES.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present state of my collections, and to invite exchange.

I shall be glad of any opportunities which may be afforded me of procuring, either by exchange or purchase, species not contained in this list.

In return for desiderata which may be kindly offered me, I shall be happy to send either Mollusca or, if preferred, animals belonging to other classes of Marine Invertebrata. Of course it will be understood that a catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed—

BURNMOOR RECTORY,
FENCE HOUSES,
CO. DURHAM.

The Collections to which these Catalogues refer are in the main confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at Lat. 35° N; or at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and at the same time to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

There are added, however, in the present Catalogue certain Mollusca, which come from seas beyond those which are indicated in the last paragraph. Inasmuch as much light is thrown upon the Mediterranean by the study of the distribution of its Fauna in a southerly direction, the Mollusca of the Madeiran Province have been procured. Such species as are found in that Province but not in the Mediterranean are indicated by the letter *M* placed after them.

With a view also to a greater knowledge of the distribution of the Arctic and Circumpolar Fauna, I have been glad to procure Mollusca from the Arctic and North Temperate portion of the Pacific, especially from Behring Strait and the Arctic coasts of Asia. The few forms from this district which are not as yet recognised as Circumpolar are distinguished by the appended letter *P*.

The general arrangement here adopted for the Mollusca is that of Dr. Paul Fischer in his recently published "Manuel de Conchyliologie."

The object of this Catalogue is rather to enumerate all the forms in a collection than to correct error, and therefore a large number of names are retained as specific which I am myself unable to regard as more than varietal. Authors have given them specific rank, and it has been judged therefore better so to retain them here. Either as "species" or as "varieties" modifications of form are always interesting.

My friend the Marquis di Monterosato, and some other writers on Mediterranean Mollusca would seem to act upon the principle that there is strong probability in favour of a shell found in the Mediterranean being distinct from a closely allied Atlantic form, and hence a slight amount of difference is regarded as specific. My own view coincides with that of my regretted friend and companion in so many dredging expeditions, the late Dr. Jeffreys, that when the little-known Fauna of the West African coast, as well as that of Spain and Portugal shall have been thoroughly investigated it will be found that very few true species will remain peculiar to the Mediterranean.

The chief deficiencies in this collection of Marine Mollusca occur in the following groups :—

1. Mollusca of the North Eastern coasts of the United States. Attempts to obtain these have been singularly unfortunate. The larger shallow-water forms have been procured partly in exchange from the United States National Museum, but chiefly by purchase from dealers. Hardly any of the minute shallow-water species or of the deep-water shells are in my collection.
2. Cephalopoda and Nudibranchiata. Unfortunately, a large number of the latter collected long ago were found, when unpacked after many years, to have been almost all lost from evaporation of the spirit.
3. Abyssal Atlantic and Mediterranean forms.
4. Asiatic, Arctic and Alaskan species.

INLAND MOLLUSCA OF THE PALÆARCTIC REGION.

I take this opportunity of mentioning as desiderata the Inland Mollusca of those parts of Africa and Arabia which lie to the North of the Tropic of Cancer; of Asia Minor, Persia, Afghanistan, and the entire Russian Empire; as well as those of the Azorean, Canarian, and Cape Verde Islands. I shall be glad either to purchase these, or to send in exchange for them European Land or Marine Mollusca.

Catalogues already published :—

- I.—ECHINODERMATA.
- II.—PANTOPODA.
- III.—CRUSTACEA.

February 4, 1888.

MUSEUM NORMANIANUM.

IV.—MOLLUSCA MARINA.

Class I.—CEPHALOPODA.

- Argonauta, Linné.**
1 argo, Lin.
- Ocythoe, Rafinesque.**
2 tuberculata, Rafinesque.
- Octopus, Lamarck.**
3 vulgaris, Lamk.
4 Salutii, Vérany.
5 macropus, Risso.
6 De-Filippi, Vérany.
7 arcticus, Prosch. = Bairdii Verrill.
- Scaërgus, Troschel.**
8 tetracirrus (Del. Ch.) Tiberi.
9 moschata, Lamk.
10 cirrhosa, Lamk. = Aldrovaldi D. Ch.
- Sepiola, Rondeletius.**
11 Rondeletii, Leach.
12 atlantica, D'Orb.
- Rossia, Owen.**
13 macrosoma (Del. Ch.), D'Orb.
14 Oweni, Ball.
15 tenera, Verrill.
- Sepia, Linné.**
16 officinalis, Lin.
17 elegans Blainv.
18 rupellaria, D'Orb. = biserialis, Vérany.
- Loligo, Lamarck.**
19 vulgaris, Lamk.
20 Pealii, Lesueur.
21 media, Lin.
- Todarodes, Steenstrup.**
22 sagittatus, Lamk.
- Illex, Steenstrup.**
23 Coindetii, Vérany.

Spirola, Lamarck.

- 24 Peronii, Lamk.

Class II.—PTEROPODA.

- Clione, Pallas.**
25 limacina, Phipps.
- Pneumoderma, Cuvier.**
26 mediterraneum, Van Ben.
- Cymbulia, Per. & Les.**
27 Peronii, Cuvier.
- Tiedemannia, Delle Chiaje.**
28 neapolitana, Del. Ch.
- Limacina, Cuvier.**
29 helicina, Phipps.
- Spirialis, Eyd & Soul.**
30 retroversus, Fleming.
31 contortus, Monts.
32 baleus, Möll.
33 trochiformis, Soul.
33* bulimoides, D'Orb.
- Peracle, Forbes.**
34 reticulata, D'Orb.
- Embolus, Jeffreys.**
35 rostralis, Soul.
- Diacria, Gray.**
36 trispinosa, D'Orb.
37 mucronata, D'Orb.
- Cavolinia, Giöeni.**
38 tridentata, Forskäl.
39 quadridentata, Lesueur.
40 gibbosa, Rang.
41 uncinata, D'Orb.
42 inflexa, Lesueur.

- Cavolinia, Giöeni.**—continued.
 43 longirostris, Lesueur.
 43* labiata, Souleyet.
Triptera, Quoy & Gaim.
 44 columnella, Rang.
Balantium, Leach.
 45 striatum, Rang.
Cleodora Pér. & Les.
 46 pyramidata, Lamk.
Hyalocylix H. Fol.
 47 striata, Rang.
Styliola, Lesueur.
 48 subulata, Quoy & Gaim.
 49 recta, Lesueur.
 50 acicula, Rang.
 51 conica, Costa.
 51* virgula, Rang.

Class III.—GASTROPODA.

Order I.—Pulmonata.

- Oncidium, Buchanan.**
 52 celticum, Cuv.
Pedipes, Adamson.
 53 afra, Gmel. *M.*
Alexia, Leach.
 54 bidentata, Montg.
 55 *a. alba*, Turt.
 56 myosotis, Drap.
 57 *a. ringens*, Turt.
 58 Firminii, Payr.
 59 lineata, Say.
Otina, Gray.
 60 otis, Turt.
 61 *a. candida*, Jeff.
Gadinia, Philippi.
 62 Garnotti, Payr.
Williamia, Monterosato.
 63 Gussonæ, G. O. Cos.
Siphonaria, Lamarck.
 64 algesiræ, Quoy & Gaim.

Order II.—Opisthobranchiata.

- Doris, Linné.**
 65 tuberculata, Cuv.
 66 repanda, Ald. & Han.
 67 verrucosa, Cuv.
 68 argo, Lin.
 68* Loveni, Ald. & Han.

- Chromodoris, Ald. & Han.**
 69 elegans, Cantr.
 70 gracilis, Iherg.
Lamellidoris, Ald. & Han.
 71 bilamellata, Lin.
 72 aspera, Ald. & Han.
Acanthodoris, Gray.
 73 pilosa, Müll.
Ancula, Lovén.
 74 cristata, Ald.
Idalia, Leuckart.
 75 Leachii, Ald. & Han.
Triopa, Johnston.
 76 claviger, Müll.
Ægirius, Lovén.
 76* punctilucens, D'Orb.
Pleurophyllidea, Meckel.
 77 Loveni, Bergh.
Tritonia, Cuvier.
 78 tethydea, Del. Ch.
Dendronatus, Ald. & Han.
 78* arborescens, Müll.
Hero, Lovén.
 78** formosa, Lovén.
Marionia, Vayssiere.
 79 quadrilatera, Schultz.
Tethys, Linné.
 80 leporina, Lin.
Scyllæa, Linné.
 81 pelagica, Lin.
Phyllirhoe, Pér. & Les.
 82 bucephala, Péron.
Janus, Verany.
 83 cristatus, Del. Ch.
Proctonotus, Ald. & Han.
 84 mucronifer, Ald. & Han.
Eolis, Cuvier.
 85 papillosa, Lin.
Cavolina, Cuvier.
 86 viridis, Forbes.
Cuthona, Ald. & Han.
 87 aurantiaca, Ald. & Han.
Galvina, Ald. & Han.
 88 tricolor, Forbes.
 89 picta, Ald. & Han.
Coryphella, Gray.
 90 Landsburgii, Ald. & Han.
Facelina, Ald. & Han.
 91 Drummondii, Thomp.
 91* coronata, Forbes.

- Fiona, Ald. & Han.**
92 nobilis, Ald. & Han.
- Doto, Oken.**
93 fragilis, Turt.
94 pinnatifida, Montg.
95 coronata, Gmel.
- Scaphander, Montfort.**
96 lignarius, Lin.
97 *a.* curtus, Jeff.
98 *b.* albus, Jeff.
99 punctostriatus, Migh.
- Akera, Müller.**
100 bullata, Müll.
101 *a.* gigantea, Norman.
102 *b.* nana, Jeff.
- Bulla, Linné.**
103 hydatis, Lin.
104 cornea, Lamk.
105 *a.* subquadrata, Monts.
106 Orbigniana, Fér. = dilatata, Leach.
107 folliculus, Menke.
- Bulla.**
108 Reinhardti, Holb & Möll.
109 utriculus, Brocc.
111 striata, Brugn.
112 punctata, A. Adams. *M.*
- Amphisphyra, Lovén.**
113 hyalina, Turt.
114 expansa, Jeff.
115 globosa, Lovén. = vitrea, M. Sars.
116 quadrata, Monts.
- Utriculus, Brown.**
117 mamillatus, Phil.
118 obtusus, Montg.
119 *a.* Lajonkaireanus, Basterot.
120 minutissimus, H. Martin.
121 striatulus, Forbes. = Hoernsii, Weink.
122 Gouldii, Couth.
123 pertenuis, Gould.
124 *a.* turritus, Möll.
125 canaliculatus, Sow.
126 truncatulus, Brugn.
- Cylichna, Lovén.**
127 cylindracea, Penn.
128 alba, Brown.
129 ovata, Jeff.
130 propinqua, M. Sars.
131 Jeffreysii, Weink.
- Cylichna, Lovén.—continued.**
132 umbilicata, Montg.
133 *a.* strigella, Lovén.
134 nitidula, Lovén.
135 lævisculpta, Gran.
136 crebrisculpta, Monts.
137 Reinhardti, Holb.
- Cryptaxis, Jeffreys.**
138 crebripunctata, Jeff.
- Weinkauffia, A. Adams.**
139 diaphana, Aradas.
- Volvula, H. & A. Adams.**
140 acuminata, Brugn.
- Actæon, Montfort.**
141 tornatilis, Lin.
142 pusillus, Forbes.
- Ringicula, Deshayes.**
143 auriculata, Ménard.
144 *a.* conformis, Monts.
145 leptocheila, Brugn.
- Philine, Ascanius.**
146 aperta, Lin.
147 scabra, Müll.
148 catena, Montg.
149 punctata, Clark.
150 pruinosa, Clark.
151 quadrata, Wood.
152 finmarchica, M. Sars.
153 Loveni, Malm.
154 lima, Brown.
155 striatula, Jeff.
156 intricata, Monts.
157 Monterosatoi, Jeff.
- Gastropteron, Meckel.**
158 Meckeli, Kosse.
- Oxynoe, Rafinesque.**
159 olivacea, Rafin.
- Lobiger, Krohn.**
160 serradifalci, Calc. = Philippii, Krohn.
- Doridium, Meckel.**
161 coriaceum, Meck.
162 membranaceum, Meck.
- Notarchus, Cuvier.**
163 neapolitanus, Del. Ch.
- Aplysia, Linné.**
164 punctata, Cuv.
165 fasciata, Poiret.
166 depilans, Lin.
167 virescens, Risso. = Webbi. Van Ben.

Pleurobranchæa, Meckel.
168 Meckeli, Lowe.

Pleurobranchus, Cuvier.
169 plumula, Montg.
170 membranaceus, Montg.
171 testudinarius, Cantr.
172 aurantiacus, Risso.
173 stellatus, Risso.
174 Dehaani, Risso.
175 brevifrons, Phil.

Umbrella, Lamarck.
176 mediterranea, Lamk.

Tylodina, Rafinesque.
177 citrina, Joannis.
178 Rafinesquei, Phil.

Order III.—Nucleobranchiata.

Atlanta, Lesueur.
179 Peronii, Lesueur.
180 fusca, Eyd & Soul.

Oxygyrus, Benson.
181 Keraudreni, Lesueur.

Carinaria, Lamarck.
182 mediterranea, Per. & Les.

Firoloida, Lesueur.
183 Desmarestii, Eyd & Soul.

Pterotrachia, Forskål.
184 coronata, Forskål.
185 mutica, Lesueur.

Order IV.—Prosobranchiata.

A. Toxoglossa.

Conus, Linné.
186 mediterraneus, Brug.
187 *a.* elongatus, B. D. & D.
188 *b.* oblongus, B. D. & D.
189 *c.* carinatus, B. D. & D.
190 *d.* corallinus, Monts.
e. luteus, albinus, &c.

Clathurella, Carpenter.
191 linearis, Montg.
192 *a.* æqualis, Jeff.
b. pallida, Jeff.
193 Leufroyi, Mich.
194 *a.* Boothii, Brown.
195 *b.* concinna, Scacc.
196 *c.* carnosula, Jeff.

Clathurella, Carpenter.—continued.

197 purpurea, Montg.
198 *a.* Philberti, Mich. = bicolor, Risso.
199 *b.* La Viæ, Phil.
200 *c.* densa, Monts.
201 *d.* conformis, Monts.
201* *e.* contigua, Monts.
202 reticulata, Reni.
203 *a.* asperrima, F. & H.
204 *b.* pupoides, Monts.
205 *c.* radula, Monts.
206 *d.* horrida, Monts. = pungens, Monts.
207 *a.* Cordieri, Payr.
208 granum, Phil. = clathrata, C. & J.
209 hystrix, Ch. & Jan.

Mangelia, Risso.

210 cærulans, Phil.
211 *a.* albida, Desh.
212 *b.* unifasciata, Monts.
213 indistincta, Monts.
214 sicula, Reeve.
215 Campanyoi, B. D. & D.
216 Stossiciana, Brus.
217 scabrida, Monts.
218 derelicta, Reeve.
219 Paciniana, Calc.
220 Vanquellini, Payr.
221 tæniata, Desh.
222 costata, Don.
223 striolata, Phil.
224 attenuata, Montg.
225 turgida, Forbes. = nana, Scacc.
226 multilineata, Desh.
227 *a.* pusilla, Scacc.
228 nebula, Montg.
229 lævigata, Phil.
230 *a.* Ginnaniana, Risso.
231 brachystoma, Phil.
232 nuperrima, Tiberi. = hispidula, Mts.

Teretia, Bucq, Daut, & Doll (emend).

233 anceps, Eich.
234 amœna, G. O. Sars.

Daphnella, Hinds. (?)

235 emendata, Monts.
236 Loprestiana, Calc.

Bellardiella, Fischer.

237 gracilis, Montagu.

- Taranis, Jeffreys.**
238 Mörchi, Malm.
- Thesbia, G. O. Sars.**
239 nana, Lovén.
- Pleurotoma, Lamarck.**
240 undatiruga, Biv.
241 simile, Biv.
- Hædropleura, Monterosato.**
242 septangularis, Montg.
243 *a. secalina*, Phil.
- Drillia, Gray.**
244 Maravignæ, Biv.
- Typhlomangelia, M. Sars.**
245 nivalis, Lovén.
- Spirotropis, G. O. Sars.**
246 carinata, Phil.
- Bela, Leach.**
247 rufa, Montg.
248 *a. Cranchii*, Brown.
249 *b. semicostata*, Jeff.
250 *c. ulidiana*, Thomp.
d. lactea, Jeff.
251 pyramidalis, Ström.
252 *a. semplicata*, G. O. Sars.
253 bicarinata, Couth.
254 *a. violacea*, Migh.
255 *b. livida*, Möll.
256 *c. Beckii*, Möll.
257 *d. cylindrica*, Beck.
258 simplex, Midd.
259 turricola, Montg.
260 Trevelyana, Turt.
261 Sarsii, Verrill. = cancellata, G. Sars.
262 cancellata, Migh. = elegans, Möll.
263 *a. declivis*, Lovén.
264 obliqua, G. O. Sars.
265 angulosa, G. O. Sars.
266 nobilis, Möll.
267 cinerea, Möll.
268 scalaris, Möll.
269 *a. abyssicola*, Friele.
270 Kobelti, Verkr. = viridula, G. Sars.
271 rugulata, Möll.
272 *a. assimilis*, G. O. Sars.
273 *b. spetzbergensis*, Friele.
274 exarata, Möll.
275 harpularia, Couth. = rosea, M. Sars.
276 decussata, Couth. = viridula, Möll.
277 *a. finmarchia*, Friele.
- Bela, Leach.—continued.**
278 tenuicostata, M. Sars.
a. Willei, Friele.
279 ovalis, Friele. = exigua, Jeff.
= pygmæa, Verrill.
280 schantarica, Midd. = violacea, var.
gigantea, Leche.
281 impressa, Beck.
- Halia Risso.**
282 priamus Beck.
- Cancellaria, Lamarck.**
283 cancellata, Lin.
284 *a. similis*, Sowerby.
b. nivea, Norman.
285 minima, Wats. *M.*
- Admete, Kröyer.**
286 viridula, Fabr.
287 *a. Couthouyi*, Jay.
288 inflata, Friele.
- B. Rhachiglossa.*
- Marginella, Lamarck.**
289 mitrella, Risso. = secalina, Phil.
290 miliaria, Lin.
291 *a. cælata*, Monts.
292 Philippii, Monts. = minuta, Phil.
293 epigrus, Reeve.
294 clandestina, Brocc.
295 *a. occulta*, Monts.
296 guancha, D'Orb. *M.*
- Cymbium, Montfort.**
297 papillatum, Schum.
- Volutomitra, Gray.**
298 groenlandica, Lamk.
- Mitra, Lamarck.**
299 ebenus, Lamk.
300 *a. plumbea*, Lamk.
301 *b. inflata*, Monts.
302 *c. coccinea*, B. D. & D.
303 *d. Defrancii*, Payr.
304 cornicula, Lin.
305 lutescens, Lamk.
306 zebrina, D'Orb.
- Mitrolumna, Bucq, Daut, & Doll.**
307 olivoidea, Cantr. = Columbella græca,
Phil.
- Troschelia, Mörch.**
308 berniciensis, King.
309 *a. solida*, Jeff.
310 *b. inflata*, Jeff.

- Fusus, Lamarck.**
 311 pulchellus, Phil.
 312 syracusanus, Lin.
 313 rostratus, Olivi.
 314 *a. fragosus*, Reeve.
 315 elegans, Saff. *M.*
 316 sitchensis, Midd.
- Fasciolaria, Lamarck.**
 317 lignaria, Lin.
- Fulgur, Montfort.**
 318 carica, Gmel.
- Sycotypus, Browne.**
 319 canaliculatus, Lin.
- Metzgeria, Norman.**
 320 alba, Jeff. = Tritonium pusillum. *M.*
 Sars (*M. S.*)
- Volutopsis, Mörch.**
 321 norvegica, Chemn.
 322 castanea, Mörch. *P.*
- Jumala, Friele.**
 323 Turtoni, Bean.
- Neptunea, Bolten.**
 324 antiqua, Lin.
 325 *a. carinata*, Turt.
 326 *b. ventricosa*, Jeff.
 327 *c. gracilis*, Jeff.
 monst. sinistrorsa.
 monst. cincta, Jeff.
 monst. sulcata, Jeff.
 monst. scalariformis, Jeff.
 monst. bioperculata, Jeff.
 328 decemcostata, Say.
 329 despecta, Lin.
 330 *a. fornicata*, Fabr.
 331 *b. fasciata*, Friele.
 332 *c. borealis*, Phil.
 333 *d. tornata*, Fabr.
 334 Behringii, Midd. *P.*
- Heliotropis, Dall.**
 335 harpa, Mörch. *P.*
- Mohnia, Friele.**
 336 Mohni, Friele.
- Sipho, Klein.**
 337 propinquus, Alder.
 338 Jeffreysianus, Fisch. = buccinatus, Jeff.
 339 ebur, Mörch. = Sarsii, Jeff.
 340 fusiformis, Broderip.
 341 turritus, *M. Sars.* = tortuosus, *G. O. Sars.*
 342 lachesis, Mörch.
- Sipho, Klein.—continued.**
 343 Danielsseni, Friele.
 344 gracilis, Da Cos.
 345 *a. glaber*, Verkr.
 346 islandicus, Chemn.
 347 Stimpsoni, Mörch. = curtus, Jeff.
 348 *a. brevis*, Verrill.
 349 Sabini, Gray.
 350 ventricosus, Gray
 351 striatus, Reeve.
 352 pygmæus, Stimp.
 353 latericeus, Möll.
 354 cretaceus, Reeve.
 354* plicatus Ad. *P.*
 355 schantaricus, Midd. = spetsbergensis,
 Reeve. *P.*
 356 Kröyeri, Möll.
- Buccinopsis, Jeffreys.**
 357 Dalei, J. Sow.
- Buccinum Linné.**
 358 undatum, Lin.
 359 *a. littorale*, King.
 360 *b. incrassatum*, King.
 361 *c. magnum*, King.
 362 *d. striatum*, Penn.
 363 *e. undulatum*, Möll.
 364 *f. pelagicum*, King.
 365 *g. fragile*, Verkr.
 366 *h. parvulum*, Verkr.
 367 *i. flexuosum*, Jeff.
 368 *j. zetlandicum*, Forbes.
 369 *k. Schneideri*, Verkr.
 369* *l. glabrum*, Jeff.
 monst. sinistrorsum, Jeff.
 monst. carinatum, Turt.
 monst. imperiale, Reeve.
 monst. acuminatum, Broderip.
 monst. bioperculatum, Jeff.
 &c., &c.
- 370 Donovani, Gray.
 371 ciliatum, Fabr.
 372 tenue, Gray.
 373 grœnlandicum, Chemn.
 374 *a. sericatum*, Hancock.
 375 glaciale, Lin.
 376 *a. Hancocki*, Mörch.
 377 *b. uncarinatum*, Friele.
 378 *c. bicarinatum*, Friele.
 379 *d. tricarinatum*, Friele.
 379* *e. Rombergi*, Dunk. *P.*

Buccinum Linné.—continued.

- 380 terræ-novæ, Beck
 381 inexhaustum, Verkr., and all his
 varieties.
 382 perdix, Mörch. = Finmarchicum,
 Verkr.
 383 *a. pulchellum*, G. O. Sars.
 384 hydrophanum, Hancock.
 385 *a. tumidulum*, G. O. Sars.
 386 Humphreysianum, Bennett.
 387 *a. lacteum*, Jeff.
 388 fusiforme, Kiener. = ventricosum, Jeff.

Volutharpa, Fischer.

- 389 ampullacea, Midd. *P.*

Euthria, Gray.

- 390 cornea, Lin.

Pollia, Weinkauff.

- 391 D'Orbignii, Payr.
 392 fusulus, Brocc. = Spadæ, Libassi.
 393 bicolor, Cantr.
 394 picta, Scacchi.
 395 scabra, Monts.

Pisania, Bivona.

- 396 maculosa, Lamk.

Bullia, Gray.

- 397 vitrea, Roe. *M.*

Nassa, Lamarck.

- 398 gibbosula, Lin.
 399 *a. circumcincta*, A. Adams.
 400 *b. Pfeifferi*, Phil.
 401 limata, Chemn.
 402 reticulata, Lin.
 403 *a. nitida*, Jeff.
 404 pygmæa, Lamk.
 405 incrassata, Ström.
 a. major, Jeff.
 b. minor, Jeff.
 c. simulans, Jeff.
 d. rufa, nigra, rosea, lilacina, alba.
 406 semistriata, Brocc.
 407 Tinei, Maravigna.
 408 corniculata, Olivi.
 409 *a. semiplicata*, Monts.
 409* *b. elongata*, Monts.
 410 costulata, Reni.
 411 *a. madeirensis*, Reeve.
 412 *b. tenuicosta*, B. D. & D.
 413 *c. Ferrussacei*, Payr.

Nassa, Lamarck.—continued.

- 413* *d. encaustica*, Brus.
 e. minor, atra,
 &c., &c.
 414 mutabilis, Lin.
 415 *a. inflata*, Lamk.
 416 granum, Lamk.
 417 obsoleta, Say.
 418 trivittata, Say.
 419 vibex, Say.

Cyclope, Risso.

- 420 neritea, Lin.
 421 *a. pellucida*, Risso.
 422 *b. kamieschi*, Chemn.

Columbella, Lamarck.

- 423 rustica, Lin.
 424 *a. elongata*, Phil.
 425 *b. cuneata*, Monts.
 i. lactea, Monts

Mitrella, Risso.

- 426 pediculus.
 427 Crosseana, Recluz.
 428 cribraria, J. & G. *M.*
 429 scripta, Lin.
 430 *a. Gervillei*, Payr.
 431 *b. lanceolata*, Monts.
 432 *c. Brisei*, Chier.
 433 minor, Scacc.
 434 lunata, Say.
 435 avara, Say.
 435* Gouldii, Carp. *P.*

Astyris, H. & A. Adams.

- 436 rosacea, Gould.
 437 haliæeti, Jeff.

Murex, Lamarck.

- 438 brandaris, Lin.
 439 *a. coronatus*, Risso.
 440 trunculus, Lin.
 441 *a. falcatus*, D. & S.
 442 erinaceus, Lin.
 443 *a. tarentinus*, Lamk.
 444 *b. torosus*, Lamk.
 445 Edwardsii, Payr.
 445* Hellerianus, Brus.
 446 distinctus, Ch. & Jan. = scalaroides,
 Blain.
 447 aciculatus, Lamk. = corallinus, Scac.
 448 *a. minutus*, Desh.
 449 labiosus, Chier.

Murex, Lamarck.—continued.

- 450 cristatus, Brocc.
 451 *a. hybridus*, Aradas.
 452 *b. erroneus*, Monts. = acantho-
 phorus, Monts.
 453 *c. Blainvillei*, Payr.
 454 *d. spinulosus*, O. G. Cos. =
 diadema, Benoit.
 455 *e. inermis*, Phil. = subspinosus,
 A. Adams.

Eupleura, H. & A. Adams.

- 456 caudata, Say.

Urosalpinx, Stimpson.

- 457 cinerea, Say.

Typhis, Montfort.

- 458 tetrapterus, Brown.

Hadriana, Bucq, Daut, & Doll.

- 459 craticulata, Brocc.

Trophon, Montfort.

- 460 craticulatus, Fabr.
 461 clathratus, Lin.
 462 *a. Gunneri*, Lovén.
 463 truncatus, Ström.
 464 *a. scalaris*, Jeff.
 465 barvicensis, Johnston.
 466 muricatus, Montg.
 467 *a. lacteus*, Jeff.
 468 vaginatus, Ch. & Jan.
 469 breviatus, Jeff.

Pseudomurex, Monterosato.

- 470 Mayendorffii, Calc.
 471 lamellosus, Jan.
 472 brevis, Blain.
 473 babelis, Requ.

Lachesis, Risso.

- 474 minima, Montg.
 475 *a. attenuata*, Monts.
 476 *b. lineata*, Monts.
 477 *c. mamillata*, Risso.
 478 vulpecula, Monts.
 478* retifera, Brugn.
 479 candidissima, Phil.
 480 Folineæ, Del. Ch.
 481 granulata, Risso.
 482 recondita, Brugn.

Purpura, Lamarck.

- 483 lapillus, Lin.
 484 *a. imbricata*, Lamk.
 485 *b. major*, Jeff.
 486 *c. minor*, Jeff.
 487 lima, Martyn, = Freycineti, Desh. *P.*
 488 hæmastoma, Lin.

C. Tenioglossa.**Tritonium, Link.**

- 489 nodiferum, Lamk.
 490 parthenopeum, Von. Salis.
 491 corrugatum, Lamk.
 492 cutaceum, Lin.
 493 oregonense, Say, = cancellatum,
 Aurivil. *P.*

Bufonaria, Schumacher.

- 494 scrobiculator, Lin.

Ranella, Lamarck.

- 495 gigantea, Lamk.

Epidromus, Klein.

- 496 reticulatus, Lamk.
 497 *a. aciculatus*, Monts.

Dolium, Lamarck.

- 498 galea, Lamk.

Morio, Montfort.

- 499 tyrrhena, Kien.
 500 echinophora, Lin.

Cassis, Lamarck.

- 501 suburon, Brug.
 502 undulata, Lin. = sulcosa, Brug.

Erato, Risso.

- 503 lævis, Don.

Cypræa, Linné.

- 504 lurida, Lin.
 505 pyrum, Gmel.
 506 physis, Brocc.
 507 spurca, Lin.

Trivia, Gray.

- 508 europæa, Montg.
 509 pulex, Sol.
 510 candidula, Gaskoin.

Ovula, Lamarck.

- 511 carnea, Poiret.
 512 *a. purpurea*, Risso.
 513 spelta, Lin.
 514 *a. nicænsis*, Weink.
 515 adriatica, Sow.
 516 patula, Penn.

- Pedicularia, Swainson.**
 517 *sicula*, Swain.
- Aporrhais, Da Costa.**
 518 *pes-pelecani*, Lin.
 a. longispinosus, Norman.
 519 *serresianus*, Mich.
 520 *a. Macandreæ*, Jeff.
 521 *occidentalis*, Beck.
- Triforis, Linné.**
 522 *perversa*, Lin.
 523 *a. adversa*, Montg.
- Cerithium, Adanson.**
 524 *vulgatum*, Brug.
 525 *a. alucastrum*, Brocc.
 526 *b. gracile*, Phil.
 527 *c. seminudum*, B. D. & D.
 528 *d. repandum*, Monts.
 529 *e. longissimum*, B. D. & D.
 530 *f. citrinum*, Monts.
 531 *g. inscriptum*, Monts.
 532 *h. pulchellum*, Phil.
 533 *i. melanium*, B. D. & D.
 533* *j. hirtum*, B. D. & D.
 534 *rupestre*, Risso.
 535 *a. lividulum*, Risso.
 536 *b. plicatum*, B. D. & D.
 537 *conicum*, Blainv.
 538 *a. minor*, Monts.
 538* *b. fusca*, Monts.
 539 *Cumingii*, Sow. *P.*
- Bittium, Leach.**
 540 *reticulatum*, Da Costa.
 541 *a. scabrum*, Olivi.
 542 *b. Latreillei*, Payr.
 543 *c. paludosum*, B. D. & D.
 544 *d. jadartinum*, Brus.
 545 *e. exiguum*, Monts.
 f. album, Norman.
 546 *submamillatum*, Rayn. = *pusillum*, Jeff.
 547 *lacteum*, Phil.
 548 *a. tessellatum*, B. D. & D.
 549 *Greenii*, Adams.
 550 *nigrum*, Totten.
- Lovenella, G. O. Sars.**
 551 *metula*, Lovén.
- Læocochlis, Dunk & Metz.**
 552 *Macandreæ*, H. Ad. vix = *granosa*, Wood.
- Cerithiopsis, Forbes & Han.**
 553 *tubercularis*, Montg.
 554 *a. minima*, Brus.

- Cerithiopsis, Forbes & Han.—continued.**
 555 *scalaris*, Monts.
 556 *bilineata*, Hörnes.
 557 *rugulosa* Sow. = *metaxæ*, Del. Ch.
 558 *diadema*, Wats.
 559 *acuminata*, Monts.
 560 *horrida*, Jeff.
 561 *Jeffreysii*, Wats. = *pulchella*, Jeff.
 562 *fayalensis*, Wats. = *corona*, Wats.
 563 *atalaya*, Wats. *M.*
 564 *tiara*, Wats.
 564* *Clarkii*, F. & H.
 564** *exarata*, Monts.
 565 *costulata*, Möll.
- Trichotropis, Brod. & Sow.**
 566 *borealis*, Brod & Sow.
 567 *a. conica*, Möll.
 568 *b. acuminata*, Jeff.
 569 *Kröyeri*, Phil.
 570 *insignis*, Midd. *P.*
 571 *cancellata*, Hinds. *P.*
 572 *bicarinata*, Brod & Sow. *P.*
- Torellia, Jeffreys.**
 573 *vestita*, Jeff.
- Siliquaria, Lamarck.**
 574 *anguina*, Lin.
- Vermetus, Adanson.**
 575 *gigas*, Biv.
 576 *triqueter*, Biv.
 577 *lumbricalis*, Gmel.
 578 *cristatus*, Biondi.
 a. albina.
 579 *glomeratus*, Lin. = *subcancellatus*, Brus.
 580 *selectus*, Monts.
 581 *semisurrectus*, Biv.
- Mesalia, Gray.**
 582 *brevialis*, Lamk.
 583 *reticulata*, Migh. & Ad. = *Turr. lactea*, Möll.
- Turritella, Lamarck.**
 584 *terebra*, Lin. = *communis*, Risso.
 585 *a. gracilis*, Jeff.
 b. nivea, Jeff.
 586 *incrassata*, J. Sow. = *triplicata*, Brocc.
 587 *decipiens*, Monts.
 588 *tricarinata*, Brocc.
 589 *erosa*, Couth. = *polaris*, Beck.
- Turritellopsis, G. O. Sars.**
 590 *acicula*, Stimp.

Mathilda, Semper.

- 591 elegantissima, O. G. Cos.
592 quadricarinata, Broc. *M.*

Parastrophia, De Folin.

- 593 Folini, B. D. & D.

Cæcum, Fleming.

- 594 glabrum, Montg.
595 vitreum, Carpenter. *M.*
596 trachea, Montg.
597 lævissimum, Cantr. = auriculatum, De Folin.
598 subannulatum, De Folin.
599 rugulosum, Phil. = obsoletum, Monts.

Littorina, Férussac.

- 600 littorea, Lin.
601 *a.* turrata, Jeff.
monst. carinata, scalariformis, &c.
602 grandis, Midd.
603 rudis, Maton.
604 *a.* sulcata, Leach.
605 *b.* jugosa, Montg.
606 *c.* globosa, Jeff.
607 *d.* patula, Thorpe.
608 *e.* tenebrosa, Montg.
609 *f.* similis, Jeff.
610 *g.* lævis, Jeff.
611 *h.* saxatilis, Johnston.
612 *i.* grœnlandica, Möll.
613 curila, Midd. *P.*
614 striata, King. *M.*
615 *a.* affinis, D'Orb. *M.*
616 punctata, Gmel.
617 neritoides, Lin.
618 obtusata, Lin.
619 *a.* neritiformis, Brown.
620 *b.* orana, Jeff. = palliata, F. & H.
621 *c.* fabalis, Turt.
622 *d.* æstuarii, Jeff.
623 palliata, Say.
624 *a.* forma-elatior, G. O. Sars.
monst. coarctata, G. O. Sars.
625 irrorata, Say.
626 sitkana, Phil. *P.*
627 arctica, Möll.

Lacuna, Turton.

- 628 pallidula, Da Cos.
629 *a.* neritoidea, Gould.
630 *b.* patula, Thorpe.
631 puteolus, Turt.

Lacuna, Turton.—continued.

- 632 divaricata, Fabr.
633 *a.* canalis, Montg.
634 *b.* quadrifasciata, Montg.
635 *c.* gracilior, Metcalfe.
636 *d.* solidula, Lovén.
637 *e.* albella, Lovén.
638 *f.* frigida, Lovén.
639 crassior, Montg.

Cithna, C. Adams.

- 640 tenella, Jeff.

Hersilia, Monterosato.

- 641 mediterranea, Monts.

Fossarus, Philippi.

- 642 costatus, Brocc.
643 ambiguus, Lin.
644 granulum, Brugue.
645 azonus, Brus.

Solarium, Lamarck.

- 646 architæ, O. G. Cos.
647 fallaciosum, Tiberi.
648 conulus, Weink.

Bifrontia, Deshayes.

- 649 zanclea, Phil.

Skenea, Fleming.

- 650 planorbis, Fabr.
651 *a.* pellucida, Monts.

Homologyra, Jeffreys.

- 652 atomus, Phil.
653 rota, F. & H.
654 tricarinata, Webster.

Jeffreysia, Alder.

- 655 diaphana, Alder.
656 opalina, Jeff.
657 globularis, Jeff.

Litiopa, Rang.

- 658 bombyx, Rang.

Rissoina, D'Orbigny.

- 659 Bruguieri, Payr.

Zippora, Leach.

- 660 auriscalpium, Lin.
661 *a.* acicula, Desm.
662 membranacea, Adams.
663 *a.* fragilis, Mich.
664 *b.* labiosa, Monts.
665 *c.* discrepans, Brown.
666 *d.* octona, Nilsson.
667 ventricosa, Desm.

Zippora, Leach.—continued.

- 668 *grossa*, Mich. = *venusta*, Phil.
 669 *oblonga*, Desm.
 670 *elata*, Phil.

Schwartzia, Bucq, Daut, & Dol.

- 671 *monodonta*, Biv.

Rissoa, Freminville.

- 672 *parva*, Da Cos.
 673 *a. interrupta*, Adams.
 b. nigra, Norman.
 674 *cornea*, Lovén.
 675 *marginata*, Mich.
 676 *a. radiata*, Phil.
 677 *b. plicatula*, Risso.
 678 *c. pulchella*, Phil.
 679 *d. munda*, Monts.
 680 *e. simplex*, Phil.
 681 *Targioni*, Appellus.
 682 *inconspicua*, Alder.
 683 *a. variegata*, Mohrn.
 684 *b. albella*, Lovén.
 685 *c. Sarsii*, Lovén.
 686 *dolium*, Nyst. = *nana* and *pusilla*, Phil.
 687 *similis*, Scacc.
 688 *a. striata*, Monts.
 689 *b. apiculata*, Dan & Sand.
 690 *c. lævis*, Wats.
 691 *Guerini*, Récluz.
 692 *a. costulata*, Alder.
 693 *b. decorata*, Phil.
 694 *c. subcostulata*, Monts.
 695 *d. lia*, Monts.
 696 *nitens*, Monts.
 697 *splendida*, Eichw.
 698 *a. taurica*, Verkr.
 699 *variabilis*, Mülf.
 700 *a. elongata*, Monts.
 701 *b. brevis*, Monts.
 702 *c. spongicola*, Monts.
 703 *violacea*, Desm.
 704 *a. rufilabrum*, Desm.
 705 *b. lilacina*, Recluz.
 706 *c. porifera*, Lovén.
 707 *Verrilli*, Friele.

Alvania, Risso.

- 708 *Montagui*, Payr.
 709 *a. lineata*, Risso.
 710 (1) *corrugata*, Brus.
 711 *b. consociella*, Monts.

Alvania, Risso.—continued.

- 712 *algeriana*, Monts.
 713 *a. rufula*, Monts.
 714 *aspera*, Phil.
 715 *peloritana*, Aradas & Ren.
 716 *lanciæ*, Calc. = *scabra*, Auct., non Phil.
 717 *scabra*, Phil. = *mutabilis*, Schw.
 718 *Philippiana*, Jeffr. = *pagodula*, B. D. & D.
 719 *Weinkauffi*, Schw.
 720 *subareolata*, Monts.
 721 *Jeffreysii*, Waller. = *sororcula*, Gran.
 722 *abyssicola*, Forbes.
 723 *Testæ*, Aradas.
 724 *subsoluta*, Aradas.
 725 *jan-mayeni*, Friele.
 726 *scrobiculata*, Müller.
 727 *canariensis*, D'Orb. *M.*
 728 *aurantiaca*, Wats. *M.*
 729 *Macandrewii*, Manz. *M.*
 730 *a. spreta*, Wats. *M.*
 731 *euchila*, Wats. *M.*
 732 *crispa*, Wats. *M.*
 733 *calathus*, Forbes.
 734 *exasperata*, Monts.
 735 *hispidula*, Monts.
 736 *cimicoides*, Forbes. = *sculpta*, Phil.
 737 *cimex*, Lin.
 738 *cancellata*, Da Cos. = *crenulata*, Mich.
 739 *a. hirta*, Monts.
 740 *Leacocki*, Wats. *M.*
 741 *cingulata*, Phil.
 742 *subcrenulata*, Schw.
 743 *reticulata*, Montg.
 744 *a. Geryonius*, Brus. = *Mariæ*, auct.
 745 *tarsodes*, Wats. (non D'Orb.)
 746 *rudis*, Phil.
 747 *punctura*, Montg.
 748 *lactea*, Mich.
 749 *Wyville-Thomsoni*, Jeff.
 750 *carinata*, Da Cos. = *striatula*, Montg.
 751 *a. ecarinata*, Monts.

Flemingia, Jeffreys.

- 752 *zetlandica*, Montg.
 753 *costata*, Adams.
 754 *crispa*, Wats.
 755 *gibbera*, Wats.

Cingula, Fleming.

- 756 *semistriata*, Montg.
 757 *Beanimina*, Monts. = *concinna*, Monts.

- Cingula, Fleming.**—continued.
- 758 simulans, Monts. = Watsoni, Monts.,
non. Schw.
- 759 tenera, Phil.
- 760 obtusa, Cantr. = Alderi, Jeff.
- 761 Watsoni, Schw. *M.*
- 762 monizoniana, Wats. *M.*
- 763 callosa, Manz. *M.*
- 764 picta, Wats. *M.*
- 765 depicta, Manz. *M.*
- 766 albugo, Wats. *M.*
- 767 spadix, Wats. *M.*
- 768 castanea, Möll.
- 769 trifasciata, Adams. = cingillus, Montg.
- 770 *a.* rupestris, Forbes.
- 771 *b.* graphica, Turt.
- Onoba, H. & A. Adams.**
- 772 striata, Adams.
- 773 *a.* saxatilis, Möll. = aculeus,
Gould: = arctica, Lovén.
- 774 arenaria, Migh. & Adams.
- 775 vitrea, Montg.
- 776 proxima, Alder.
- 777 coriacea, Manz. *M.*
- 778 tenuisculpta, Wats.
- Nodulus, Monterosato.**
- 779 contortus, Jeff.
- 780 *a.* intortus, Monts.
- Peringiella, Monterosato.**
- 781 nitida, Brus.
- 782 *a.* elongata, Monts.
- 783 epidaurica, Brus.
- 784 seminulum, Monts.
- 785 glabrata, Mühlf. = punctulum, Phil.
- 786 *a.* balteana, Manz.
- 787 *b.* turrata, B. D. & D.
- 788 *c.* albina, Monts.
- 789 lincta, Wats. *M.*
- 790 lævis, Monts.
- Setia, H. & A. Adams.**
- 791 pulcherrima, Jeff.
- 792 fusca, Phil.
- 793 turriculata, Monts.
- 794 soluta, Phil. (nec. Forbes & Hanley)
- 795 amabilis, Monts.
- 796 Alleryana, Arad. & Ber.
- 797 cossuræ, Calc.
- 798 fulgida, Adams.
- 799 turgida, Jeff.
- Setia, H. & A. Adams.**—continued.
- 800 tumidula, G. O. Sars.
- 801 macilenta, Monts.
- 802 globulus, Möll.
- Barleeia, Clark.**
- 803 rubra, Montg.
- 804 *a.* unifasciata, Montg.
- 805 *b.* pallida, Jeff.
- Hydrobia, Hartmann.**
- 806 stagnalis, Bast. = ulvæ, Penn.
- 807 *a.* Barleei, Jeff.
- 808 *b.* subumbilicata, Montg.
- 809 *c.* truncata, Norman.
- 810 *d.* balthica, Nilsson.
- 811 *e.* minuta, Totten.
- 812 *f.* Girardoti, Palad.
- 813 *g.* obeliscus, Palad.
- 813* pictonum, Palad.
- 814 acuta, Drap.
- 815 *a.* Brondelii, Bourg.
- 816 viridescens, Risso. = salinesii, Aradas.
- 817 cornea, Risso.
- 818 pusilla, Eichw.
- 819 caspia, Eichw.
- 820 gracilis, Morel. *M.*
- 821 ventrosa, Montg.
- 822 *a.* elongata, Jeff.
- 823 *b.* pellucida, Jeff.
- 824 *c.* decollata, Jeff.
- Assiminia, Leach.**
- 825 Grayana, Gray.
- 826 littorina, Del. Ch.
- 827 sicana, Brugn.
- Truncatella, Risso.**
- 828 truncatula, Drap.
- 829 *a.* lævigata, Risso.
- 830 *b.* microstoma, Monts.
- Capulus, Montfort.**
- 831 hungaricus, Lin.
- Calyptrea, Lamarck.**
- 832 chinensis, Lin.
- Crepidula, Lamarck.**
- 833 unguiformis, Lin.
- 834 Moulinsi, Mich.
- 835 plana, Say.
- 836 convexa, Say.
- 837 fornicata, Lin.
- Xenophora, Fischer.**
- 838 mediterranea, Tiberi.

- Velutina, Fleming.**
 839 lævigata, Penn.
 840 lanigera, Möll.
 841 Schneideri, Friele.
 842 derugata, Becher.
- Morvillia, Gray.**
 843 undata, Brown.
- Velutella, Gray.**
 844 flexilis, Montg.
- Lamellaria, Montagu.**
 845 perspicua, Lin.
 846 tentaculata, Montg.
- Onchidiopsis, Bergh.**
 847 grœnlandica, Bergh.
- Marsenia, Gray.**
 848 prodata, Lovén.
 849 micromphala, Bergh.
- Natica, Adanson.**
 850 clausa, Brod. & Sow.
 851 *a.* elatior, Midd.
 852 affinis, Gmel.
 a. vittata, Jeff.
 853 flammulata, Requ. = Sagraina, Weink.
 854 Dillwynii, Payr.
 a. efasciata, Monts.
 855 hebræa, Martyn.
 856 millepunctata, Lamk.
 857 Adasoni, Phil. *M.*
- Lunatia, Gray.**
 858 grœnlandica, Beck. = pusilla, F. & H.
 859 sordida, Phil.
 860 catena, Da Cos.
 861 pulchella, Risso. = Alderi, Forbes.
 a. subovalis, Jeff.
 862 *b.* conica, Jeff.
 863 *c.* lactea, Jeff.
 864 Montagui, Forbes.
 a. conica, Jeff.
 b. albula, Jeff.
 866 nana, Möll.
 867 porcelana, D'Orb.
 868 Guillemini, Payr. = marmorata, Risso.
 869 trifasciata, Say.
 870 immaculata, Totten.
 871 intricata, Don. = Valenciensii, Risso.
 872 *a.* similis, Monts.
 b. lactea & fusca, Monts.
 872* intricatoides, Hidalgo.
 873 variabilis, Recluz.

- Lunatia, Gray.**—continued.
 874 macilentata, Phil.
 875 Rizzæ, Phil.
 876 marochiensis, Gmel.
 877 heros, Say.
- Amauropsis, Mörch.**
 878 islandica, Bean.
- Neverita, Risso.**
 879 Josephinæ, Risso.
 880 duplicata, Say.
- Ampullina, Lamarck.**
 881 Smithii, Brown.
- Sequenzia, Jeffreys.**
 882 eritima, Verrill.
- Adeorbis, S. Wood.**
 883 subcarinata, Montg.
- D. Ptenoglossa.*
- Janthina, Bolten.**
 884 rotundata, Leach.
 885 bicolor, Menke.
 886 nitens, Menke.
 887 *a.* splendens, Monts.
 888 pallida, Phil.
 889 exigua, Lamk.
- Acirsa, Mörch.**
 890 subdecussata, Cantr.
 891 borealis, Beck. = Turr. Eschrichtii, Höbl
 & Möll.
- Scalaria, Lamarck.**
 892 communis, Lamk.
 893 clathrus, Lin. *M.*
 894 Turtonæ, Turt.
 a. planicosta, Biv.
 896 commutata, Lamk. = pseudoscalaris,
 Brocc.
 897 Cantrainei, Weink.
 898 Trevelyana, Leach.
 899 frondosa, S. Wood.
 a. soluta, Tiberi.
 b. algeriana, Weink.
 902 crenata, Lin.
 903 cochlea, Sow. *M.*
 904 hellenica, Forbes.
 905 pulchella, Phil.
 906 clathratula, Montg.
 907 candidissima, Monts.
 908 coronata, Phil. *M.*

- Scalaria, Lamarck.**—continued.
- 909 Schultzei, Weink. *M.*
 910 grœnlandica, Chemn.
 911 *a. crebricostata*, G. O. Sars.
 912 *b. Loveni*, G. O. Sars.
- Hemiaclis, G. O. Sars.**
- 913 ventrosa, Jeff.
 914 glabra, G. O. Sars.
- Aclis, Lovén.**
- 915 supranitida, Wood.
 916 Walleri, Jeff.
 917 *a. carinata*, Norman.
 918 ascaris, Montg.
 919 exigua, G. O. Sars.
- Cioniscus, Jeff.**
- 920 gracilis, Jeff.
 921 unicus, Montg.
- Pherusina, Norman.** = *Pherusa*, Jeff.
 922 Gulsonæ, Clark.
- E. Gymnoglossa.*
- Stylifer, Broderip.**
- 923 Turtoni, Broderip.
- Eulima, Risso.**
- 924 polita, Lin.
 925 *a. brevis*, Requ.
 926 intermedia, Cantr.
 927 incurva, Ren. = *distorta*, Desh.
 928 *a. gracilis*, Jeff.
 929 Stalioi, Brus.
 930 Jeffreysiana, Brus.
 931 curva, Jeff.
 932 microstoma, Brus.
 933 piriformis, Brugn.
 934 subulata, Don.
 935 bilineata, Ald.
 936 stenostoma, Jeff.
- Turbonilla, Risso.**
- 937 rufa, Phil.
 938 *a. fulvocincta*, Thomp.
 939 exigua, Monts.
 940 lactea, Lin.
 941 gradata, Monts.
 942 innovata, Monts. = *pusilla*, Jeff.
 943 pusilla, Phil.
 944 acutissima, Monts.
 945 delicata, Monts.
 946 striatula, Lin.
 947 rosea, Monts.
- Turbonilla, Risso.**—continued.
- 948 indistincta, Montg.
 949 clathrata, Jeff. *M.*
 950 micans, Monts.
 951 costulata, Verrill.
 952 compressa, Jeff.
- Parthenia, Lowe.**
- 953 interstincta, Montg.
 954 *a. gracilis*, Phil. = *emaciata*, Monts.
 955 *b. præcisa*, Monts.
 956 *c. gracilentata*, Monts.
 957 *d. Moulinsiana*, Fischer.
 958 *e. intermixta*, Monts. = *Jeffreysii*, B. D. & D.
 959 brevicula, Jeff.
 960 monozona, Brus.
 961 flexuosa, Jeff.
 962 Penchynati, B. D. & D.
 963 dissimilis, Tib. *M.*
 964 rufescens, Forbes.
 965 scalaris, Forbes.
 966 canaliculata, Phil.
 967 excavata, Phil.
 968 decussata, Montg.
 969 tricincta, Jeff.
 970 spiralis, Montg.
 971 turbonilloides, Brus.
 972 eximia, Jeff.
 973 sublustris, Friele.
 974 fenestrata, Forbes.
- Nœmia, De Folin.**
- 975 dolioliformis, Jeff.
- Odostomia, Fleming.**
- 976 conspicua, Alder.
 977 conoidea, Brocc. = *polita*, Biv.
 978 unidentata, Montg.
 979 acuta, Jeff.
 980 *a. umbilicata*, Ald.
 981 turrita, Hanley.
 982 *a. striolata*, Ald.
 983 plicata, Montg.
 984 rissoides, Hanley.
 985 *a. alba*, Jeff.
 986 *b. nitida*, Ald.
 987 *c. dubia*, Jeff.
 988 pallida, Montg.
 989 umbilicaris, Malm.
 990 Lukisi, Jeff.
 991 albella, Lovén.

Odostomia, Fleming.—continued.

- 992 truncatula, Jeff.
 993 nivosa, Montg. = cylindrica, F. & H.
 994 minima, Jeff.
 995 minuscula, Monts.
 996 Normani, Friele.
 997 fallax, Monts.

Auriculina, Gray.

- 998 obliqua, Ald.
 999 Warrenii, Thomp.
 1000 diaphana, Jeff.
 1001 insculpta, Montg.
 1002 scandens, Brugn.
 1003 Monterosatoi, Kobelt.
 1004 elegans, Monts. = vitrea, Brus.
 1005 fusulus, Monts.
 1006 Erjaveciana, Brus.

Liostomia, G. O. Sars.

- 1007 clavula, Lovén.
 1008 eburnea, Stimp.
 1009 pistillus, Brugn.

Eulimella, Forbes.

- 1010 Scillæ, Scacc.
 1011 compactilis, Jeff.
 1012 obeliscus, Jeff.
 1013 acicula, Phil. = commutata, Monts.
 1014 *a.* subcylindrica, Dunk.
 1015 ventricosa, Forbes.
 1016 nitidissima, Montg.
 1017 Pointeli, De Folin.
 1018 minuta, H. Adams.
 1019 macilenta, Monts.

Menestho, Möller.

- 1020 Humboldti, Risso.
 1021 *a.* sulcata, B. D. & D.
 1022 *b.* tuberculata, B. D. & D.

F. Bhipidoglossa.**Hydrocena, Parreyss.**

- 1023 cataroensis, Pfeiffer.

Smaragdia, Issel.

- 1024 viridis, Lin.

Phasianella, Lamarck.

- 1025 pullus, Lin.
 1026 *a.* picta, Da Cos.
 1027 tenuis, Mich. = intermedia, Scacc.
 1028 *a.* punctata, Risso.
 1029 *b.* Hoberti, Brus.

Phasianella, Lamarck.—continued.

- 1030 speciosa, Mühlf.
a. lactea, virens, rubra, &c.

Turbo, Linné.

- 1031 rugosus, Lin.
 1032 sanguineus, Lin.

Mölleria, Jeffreys.

- 1033 costulata, Möll.
 1034 lævigata, Jeff.

Cyclostrema, Marryat.

- 1035 Cutlerianum, Clark.
 1036 nitens, Phil. = Trochus pusillus, F. & H.
 1037 serpuloides, Montg. = divisa, Flem.
 1038 basistriatum, Jeff.
 1039 rugulosum, Jeff.
 1040 exilissimum, Phil.
 1041 Petterseni, Friele. = trochoides, Jeff.
 1042 laminarum, Jeff.
 1043 areolatum, G. O. Sars.
 1044 profundum, Friele.
 1045 millepunctatum, Friele.
 1046 tenerum, Jeff.
 1047 conspicuum, Monts.

Clanculus, Mühlfeldt.

- 1048 corallinus, Gmel.
 1049 cruciatus, Lin. = Vieilloti, Payr.
 1050 *a.* candidus.
 1051 Jussieui, Payr.
 1052 *a.* glomus, Phil.
 1053 Bertheloti, D'Orb. *M.*

Olivia, Cantraine.

- 1054 Tinei Calc. = Craspedotus limbatus, Weink.

Zizyphinus, Leach.

- 1055 zizyphinus, Lin.
 1056 *a.* Lyonsii, Fleming.
 1057 *b.* elatus, Jeff.
 1058 *c.* conuloides, Lamk.
 1059 *d.* cingulatus, Weink.
 1060 *e.* lævigatus, J. Sow.
 (1) albidus, Norman.
 (2) violaceus, Norman.
 1061 conulus, Lin.
 1062 *a.* dubius, Phil.
 1063 *b.* Languieri, Payr.
 1064 *c.* violaceus, Risso.
d. niveus, Norman.
 1065 Gualterianus, Phil.
a. candidus, Monts,

Zizyphinus, Leach.—continued.

- 1066 *granulatus*, Born.
a. lacteus, Jeff.
1067 *Montagui*, Wood.
1068 *tumidulus*, Aradas.
1069 *pupilla*, Gould. *P.*
1070 *iridescens*, Midd. *P.*
1071 *millegranus*, Phil.
1072 *a. pyramidatus*, Jeff.
1073 *occidentalis*, Migh.
a. purus, Jeff.
1074 *exasperatus*, Penn.
a. igneus, Monts.
1076 *b. Matoni*, Payr.
1077 *c. excavatus*, Monts.
1078 *unidentatus*, Phil.
1079 *fraterculus*, Monts.
1080 *striatus*, Lin.
1081 *a. depictus*, Desh. = *Gravesi*,
Forbes.
1082 *b. æquistriatus*, Monts.
1083 *c. elenchoides*, Monts.
1084 *d. smaragdinus*, Monts.
1085 *e. Gravinæ*, Monts.
1086 *f. ruscirianus*, Monts.

Forskålia, H. & A. Adams.

- 1087 *fanulum*, Gmel.
1088 *Guttadauri*, Phil.

Gibbula, Risso.

- 1089 *magus*, Lin.
a. alba, Jeff.
b. straminea, Phil.
1090 *umbilicata*, Montg.
1091 *a. sarniensis*, Norman. = *agathensis*,
Jeff.
1092 *agathensis*, Recluz.
1093 *cineraria*, Lin.
1094 *a. electissima*, Jeff.
1095 *leucophæa*, Phil.
1096 *albida*, Gmel.
1096* *schantarica*, Midd. *P.*
1097 *umbilicaris*, Lin.
a. latior, Monts.
1099 *ardens*, Von Salis. = *Fermoni*, Payr.
1200 *a. succincta*, Monts.
1201 *b. barbara*, Monts.
1202 *Philberti*, Recluz. = *villica*, Phil.
1203 *varia*, Lin.
1204 *a. marmorata*, Requ.

Gibbula, Risso.—continued.

- 1205 *tumida*, Montg.
1206 *pygmæa*, Risso. = *Racketti*, Payr.
1207 *Candei*, D'Orb. *M.*
1208 *divaricata*, Lin. = *Lessonii*, Payr.
1209 *a. rarilineata*, Mich.
1210 *Spratti*, Forbes.
1211 *Adansoni*, Payr.
1212 *a. adriatica*, Phil.
1213 *drepanensis*, Brugn.
1214 *a. Vimonticæ*, Monts.
1215 *turbinoides*, Desh.

Phorcus, Risso.

- 1216 *Richardi*, Payr.

Trochocochlea, Klein.

- 1217 *crassa*, Pult.
1218 *a. denudata*, Monts.
1219 *turbinata*, Born. = *fragaroides*, Lamk.
1220 *articulata*, Lamk.
1221 *a. trivialis*, Monts.
1222 *b. retuga*, Monts.
1223 *colubrina*, Gould. = *sagittifera*,
Hidalgo.

Solariella, S. Wood.

- 1224 *obscura*, Couth.
1225 *a. bella*, Verkr.
1226 *b. albula*, Gould.
1227 *varicosa*, Migh.
1228 *cincta*, Phil. = *amabilis*, Jeff.

Circulus, Jeffreys.

- 1229 *striatus*, Phil. = *Duminyi*, Requ.
1230 *formosissimus*, Brugn. = *Cyclos. Jef-*
freysii, Monts. (*M.S.*)

Margarita, Leach.

- 1231 *helicina*, Fabr.
1232 *grœnlandica*, Chemn.
1233 *a. lævior*, Jeff.
1234 *b. albida*, Jeff.
1235 *umbilicis*, Brod. & Sow.
1236 *cinerea*, Couth.
1237 *striata*, Brod. & Sow.
1238 *olivacea*, Brown. = *argentata*, Gould.
1239 *a. Harrisoni*, Hancock.
1240 *Vahlîi*, Möll. = *pusilla*, Jeff.

Cocculina, Dall.

- 1241 *spinigera*, Jeff.

Haliotis, Linné.

- 1242 tuberculata, Lin.
 1243 lamellosa, Lamk.
 1244 *a. striata*, Monts.
 1245 *b. reticulata*, Reeve.

Scissurella, D'Orbigny.

- 1246 crispata, Flem.
 1247 *a. angulata*, Lovén.
 1248 costata, D'Orb. = plicata, Phil.
 = cancellata, Jeff.
 1249 *a. lævigata*, D'Orb.
 1250 aspera, Phil.

Scismope, Jeffreys.

- 1251 cingulata, O. G. Cos.

Fissurella, Bruguière.

- 1252 græca, Lin. = reticulata, Da Cos.
 1253 gibberula, Lamk. = gibba, Phil.
 1254 nubecula, Lin.
 1255 neglecta, Desh. = costaria, DeFr.
 1256 producta, Monts.
 1257 dorsata, Monts.

Emarginula, Lamarck.

- 1258 crassa, Sow.
 1259 *a. depressa*, G. O. Sars.
 1260 fissura, Lin. = reticulata, J. Sow.
 1261 solidula, O. G. Cos.
 1262 cancellata, Phil.
 1263 papillosa, Risso. = adriatica, O. G. Cos.
 1264 elongata, O. G. Cos.
 1265 conica, Schum. = rosea, Bell.
 1266 *a. capuliformis*, Phil. = pileolus,
 Phil.
 1267 multistriata, Jeff.
 1268 Huzardi, Payr.
 1269 *a. depressa*, Phil.
 1270 tenera, Monts.

Fissurisepta, Sequenza.

- 1271 rostrata, Seq.

Puncturella, Lowe.

- 1272 noachina, Lin.

Propilidium, Forbes & Hanley.

- 1273 ancyloides, Forbes.

G. Dacoglossa.**Acmaea, Eschscholtz.**

- 1274 testudinalis, Müll.
 a. alba.
 1275 *b. patina*, Esch. *P.*
 1276 alveus, Conrad,

Acmaea, Eschscholtz.—continued.

- 1277 persona, Esch. *P.*
 1278 *a. digitalis*, Esch. *P.*
 1279 cassis, Esch. *P.*
 1280 virginea, Müll.
 a. lactea, Jeff.
 1281 rubella, Fabr.
Pilidium, Forbes & Hanley.
 1282 fulvum, Müll.
Lepeta, Gray.
 1283 cæca, Müll.
Helcion, Montfort.
 1284 pellucidum, Lin.
 1285 *a. læve*, Penn.
Patella, Linné.
 1286 vulgata, Lin.
 1287 *a. aspera*, Phil.
 1288 *b. scutellaris*, Lamk.
 1289 *c. tarentina*, Von Salis.
 1290 *d. cærulea*, Lin.
 1291 *a. fragilis*, Phil.
 1292 *e. picta*, Jeff.
 1293 *f. elevata*, Jeff.
 1294 *g. lusitanica*, Gmel. = punctata,
 Lamk.
 1295 athletica, Bean.
 1296 ferruginea, Gmel.
 1297 *a. Safiana*, Lamk.
 1298 Candei, D'Orb. *M.*
 1299 rustica, Lin. *M.*

Order V.—Polyplacophora.**Chiton, Linné.**

- 1300 fascicularis, Lin.
 1301 *a. gracilis*, Jeff.
 1302 discrepans, Brown.
 1303 abyssorum, M. Sars.
 1304 mendicarius, Migh. = Hanleyi, Bean.
 1305 æneus, Risso.
 1306 albus, Lin.
 1307 *a. infuscatus*.
 1308 exaratus, G. O. Sars.
 1309 marginatus, Penn.
 1310 variegatus, Phil.
 1311 cinereus, Lin. = algericensis, Capello.
 1312 arcticus, G. O. Sars.
 1313 cancellatus, Sow.
 1314 alveolus, M. Sars.
 1315 scabridus, Jeff.

Chiton, Linné.—continued.

- 1316 Rissoi, Payr.
 1317 furtivus, Monts.
 1318 caprearum, Scacc. = Polii, Phil.
 1319 cajetanus, Poli.
 1320 olivaceus, Speng. = siculus, Gray.
 1321 corallinus, Risso.
 1322 phaseolinus, Monts.
 1323 ruber, Lin.
 1324 fulvus, Wood.
 1325 submarmoreus, Midd. *P.*
 1326 marmoreus, Fabr.
 1327 lævis, Penn.

Katharina, Gray.

- 1328 tunicata, Wood.

Cryptochiton, Gray.

- 1329 Stelleri, Midd. *P.*

Order VI.—Aplacophora.**Neomenia, Tullberg.**

- 1330 carinata, Tullberg. = Solenopus nitidulus, M. Sars. (M.S.)

Chætoderma, Lovén.

- 1331 nitidulum, Lovén.

**Class IV.—SCAPHOPODA.
= SOLENOCONCHIA.****Dentalium, Linné.**

- 1332 entalis, Lin.
 1333 striolatum, Stimp. = abyssorum, M. Sars.
 1334 agile, M. Sars.
 1335 vulgare, Da Cos. = tarentinum, Lamk.
 1336 capillosum, Jeff.
 1337 ensiculus, Jeff.
 1338 dentalis, Lin.
 1339 *a.* novemcostatum, Lamk.
 1340 *b.* tenue, Monts.
 1341 panormitanum, Chenu.
 1342 rubescens, Desh.
 1343 filum, J. B. Sow. = gracile, Jeff.

Dischides, Jeffreys.

- 1344 bifissus, S. Wood.

Siphonodentalium, M. Sars.

- 1345 vitreum, M. Sars.

Pulsellum, Stoliczka.

- 1346 lofotense, M. Sars.
 1347 affine, M. Sars.
 1348 quinquangulare, Forbes.

Cadulus, Phillipi.

- 1349 subfusiformis, M. Sars.
 1350 propinquus, G. O. Sars.
 1351 Jeffreysii, Monts.
 1352 Olivi, Scacc.

**Class V.—PELECYPODA.
= BIVALVIA.****Order I.—Tetrabranchia.****Anomia, Linné.**

- 1353 ehippium, Lin.
 1354 *a.* squamula, Lin.
 1355 *b.* aculeata, Gmel.
 1356 *c.* electrica, Lin.
 1357 patelliformis, Lin.
 1358 striata, Lovén.

Ostrea, Linné.

- 1359 edulis, Lin.
 1360 *a.* rutupina, Jeff.
 1361 *b.* cristata, Born.
 1362 *c.* parasitica, Turt.
 1363 *d.* adriatica, Lamk.
 1364 *e.* hippopus, Lamk.
 1365 *f.* cyrnusii, Payr.
 1366 *g.* mimetica, Gregorio.
 1367 angulata, Lamk.
 1368 cochlear, Phil.
 1369 *a.* suborbicularis, Monts.
 1370 stentina, Payr. = plicata, Chemn.
 1371 borealis, Lamk.

Spondylus, Linné.

- 1372 gæderopus, Lin.
 1373 Gussonæ, O. G. Cos.

Lima, Bruguière.

- 1374 hians, Gmel.
 1375 *a.* tenera, Turt.
 1376 inflata, Chemn.
 1377 ventricosa, Sow.
 1378 squamosa, Lamk.
 1379 excavata, Chemn.
 1380 Loscombii, Sow.
 1381 subovata, Jeff.
 1382 elliptica, Jeff.
 1383 subauriculata, Montg.

Limea, Bronn.1384 *crassa*, Forbes. = *Sarsii*, Lovén.**Amussium, Klein.**1385 *fenestratum*, Forbes. = *inæquisculptum*, Tiberi.1386 *Hoskynsi*, Forbes.**Pecten, Lamarck.**1387 *maximus*, Lin.*a. pictus*, Norman.*b. albus*, Norman.1388 *Jacobæus*, Lin.1389 *Clintonius*, Say.1390 *a. tenuicostatus*, Migh. & Adams.1391 *islandicus*, Müll.1392 *niveus*, Macgil.1393 *varius*, Lin.1394 *a. purpureus*, Jeff.1395 *sulcatus*, Müll. = *aratus*, Gmel.1396 *tigrinus*, Müll.1397 *a. obsoletus*, Penn.1398 *b. costatus*, Jeff.1399 *incomparabilis*, Risso. = *Testæ*, Biv.1400 *striatus*, Müll.1401 *pes-felis*, Lin.1402 *Swifti*, Gerst. *P.*1403 *pusio*, Lin.1404 *a. multistriatus*, Born (junior).1405 *glaber*, Lin.1406 *a. sulcatus*, Born.1407 *b. dalmaticus*, Brus.1408 *flexuosus*, Poli. = *polymorphus*, Brown.1409 *a. flagellatus*, Lamk.1410 *corallinoides*, D'Orb. *M.*1411 *pes-lutræ*, Lin.1412 *a. Dumasii*, Payr.1413 *b. septemradiatus*, Müll.1414 *c. inflexus*, Poli.1415 *d. albus*, Jeff.1416 *Bruei*, Payr.1417 *opercularis*, Lin.1418 *a. Audouinii*, Payr.1419 *b. sanguineus*, Poli.1420 *c. lineatus*, Da Cos.1421 *Philippii*, Recluz. = *commutatus*, Monts.1422 *irradians*, Lamk.1423 *hyalinus*, Poli.1424 *a. solidulus*, Monts.1425 *b. costatus*, Monts.1426 *c. succineus*, Monts.**Pecten, Lamarck.—continued.**1427 *similis*, Laskey.1428 *vitreus*, Chemn.1429 *a. abyssorum*, M. Sars.1430 *grœnlandicus*, Sow.1431 *fragilis*, Jeff.**Avicula, Lamarck.**1432 *tarentina*, Lamk.**Pinna, Lister.**1433 *rudis*, Lin.1434 *pernula*, Chemn.1435 *nobilis*, Lin.**Mytilus, Linné.**1436 *edulis*, Lin.1437 *a. unguatus*, Lin.1438 *b. galloprovincialis*, Lamk.1439 *c. incurvatus*, Penn.1440 *d. pellucidus*, Penn.1441 *e. albus*, Norman.1442 *pictus*, Born. = *africanus*, Chemn.1443 *lineatus*, Gmel. = *crispus*, Cantr.1444 *minus*, Poli.1445 *Monterosatoi*, Daut. = *cylindricus*, Req.1446 *solidus*, H. Martin.**Modiola, Lamarck.**1447 *modiolus*, Lin.1448 *a. ovata*, Jeff.1449 *b. umbilicata*, Jeff.1450 *c. gigas*, Norman.1451 *barbata*, Lin.1452 *plicatula*, Lamk.1453 *adriatica*, Lamk.1454 *a. ovalis*, Sow.1455 *Martorelli*, Hidalgo.1456 *agglutinans*, Cantr.1457 *phaseolina*, Phil.**Modiolaria, Beck.**1458 *marmorata*, Forbes.1459 *discors*, Lin.1460 *a. angustior*, Jeff.1461 *b. semilævis*, Jeff.1462 *lævigata*, Gray.1463 *lævis*, Beck.1464 *nigra*, Gray.1465 *costulata*, Risso.1466 *corrugata*, Steenst.1467 *sulcata*, Risso. = *Petagnæ*, Scacc.1468 *gibberula*, Caillard. = *subclavata*, Libassi.

- Dacrydium, Möller.**
 1469 vitreum, Möll.
 1470 *a. hyalinum*, Monts.
- Crenella, Brown.**
 1471 rhombea, Berkeley.
 1472 decussata, Montg.
 1473 glandula, Totten.
 1474 faba, Fabr.
 1475 arenaria, H. Martin.
 1476 pellucida, Jeff. = *Limopsis pellucida*, Jeff.
- Idas, Jeffreys.**
 1477 argenteus, Jeff.
- Lithodomus, Cuvier.**
 1478 lithophagus, Lin.
 1479 caudiger, Lamk.
- Limopsis, Sassy.**
 1480 aurita, Brocc. = *obliqua*, Adams.
 1481 minuta, Phil. = *borealis*, Woodw.
 1482 tenella, Jeff.
- Pectunculus, Lamarck.**
 1483 glycimeris, Lin.
 1484 *a. bimaculatus*, Poli.
 1485 pilosus, Lin.
 1486 violascens, Lamk.
- Arca, Linné.**
 1487 pectunculoides, Scacc.
 1488 glacialis, Gray.
 1489 obliqua, Phil. = *Koreni*, Daniels.
 1490 Frielei, Jeff.
 1491 lactea, Lin.
 1492 *a. Gaimardi*, Payr.
 1493 nodulosa, Müll. = *scabra*, Poli.
 1494 pulchella, Reeve. = *imbricata*, Poli.
 1495 tetragona, Poli.
 1496 noæ, Lin.
 1497 Polii, Mayer. = *antiquata*, Poli.
 1498 barbata, Lin.
 1499 pexata, Say.
 1500 transversa, Say.
- Nucula, Lamarck.**
 1501 nucleus, Lin.
 1502 radiata, Hanley.
 1503 sulcata, Brown.
 1504 tumidula, Malm.
 1505 ægeensis, Forbes.
 1506 nitida, Sow.
 1507 proxima, Say.
- Nucula, Lamarck.—continued.**
 1508 tenuis, Montg.
 1509 *a. expansa*, Torëll.
 1510 delphinodonta, Migh.
- Leda, Schumacher.**
 1511 minuta, Müll.
 1512 *a. brevirostris*, Jeff.
 1513 *b. inflata*.
 1514 pernula, Müll.
 1515 *a. buccata*, Möll.
 1516 pella, Lin.
 1517 fragilis, Chemn. = *commutata*, Phil.
- Malletia, Desmoulins.**
 1518 obtusa, M. Sars.
- Yoldia, Mörch.**
 1519 thraciæformis, Storet.
 1520 limatula, Say.
 1521 myalis, Couth.
 1522 sapotilla, Gould. = *hyperborea*, Lovén.
- Portlandia, Mörch.**
 1523 arctica, Gray.
 1524 lenticula, Fabr. = *abyssicola*, Torell.
 1525 lucida, Lovén.
 1526 intermedia, M. Sars.
 1527 tenuis, Phil. = *pygmæa*, F. & H.
 1528 frigida, Torell.
 1529 messanensis, Sequ. = *acuminata*, Jeff.
- Cardita, Bruguière.**
 1530 antiquata, Lin.
 1531 aculeata, Poli.
 1532 calyculata, Lin.
 1533 trapezia, Lin.
 1534 corbis, Phil.
 1535 borealis, Conrad.
- Astarte, J. Sowerby.**
 1536 sulcata, Da Cos.
 1537 *a. scotica*, Mat. & Rac.
 1538 *b. fusca*, Poli.
 1539 *c. paucistriata*, Jeff.
 1540 *d. multicostata*, Jeff.
 1541 *e. minor*, Jeff.
 1542 elliptica, Brown.
 1543 undata, Gould.
 1544 crebricostata, Forbes.
 1545 castanea, Say.
 1546 Warhami, Hancock.
 1547 fabula, Reeve.
 1548 acutecostata, Friele.

- Astarte, J. Sowerby.**—continued.
- 1549 borealis, Chemn.
 1550 *a. semisulcata*, Leach.
 1551 compressa, Montg.
 1552 *a. globosa*, Möll.
 1553 *b. striata*, Leach.
 1554 *c. Banksii*, Gould.
 1555 *d. nana*, Jeff.
 1556 triangularis, Montg.
 a. alba, Norman.
 1557 nana, Jeff.
- Gonilia, Stoliczka.**
 1558 bipartita, Phil.
- Woodia, Deshayes.**
 1559 digitaria, Lin.
- Kelliella, M. Sars.**
 1560 miliaris, Phil.
- Turtonia, Forbes & Hanley.**
 1561 minuta, Fabr.
- Kellia, Turton.**
 1562 orbicularis, Montg.
 1563 *a. lactea*, Brown.
- Bornia, Philippi.**
 1564 corbuloides, Phil.
- Lasæa, Leach.**
 1565 rubra, Montg.
 a. pallida, Jeff.
 1566 pumila, S. Wood. = *Zoe pumila*, Monts.
- Montacuta, Turton.**
 1567 substriata, Montg.
 1568 *a. lævis*, Jeff.
 1569 bidentata, Montg.
 1570 tumidula, Jeff.
 1571 Dawsoni, Jeff.
 1572 Maltzani, Verkr.
 1573 elevata, Stimp.
- Decipula, Jeff.**
 1574 ovata, Jeff.
 1575 ferruginosa, Montg.
- Lepton, Turton.**
 1576 squamosum, Montg.
 1577 nitidum, Clark.
 1578 *a. convexum*, Ald.
 1579 Clarkiæ, Clark.
 1580 sulcatulum, Jeff.
 1581 prismaticum, Monts.
- Scacchia, Philippi.**
 1582 elliptica, Scacc.
- Galeomma, Turton.**
 1583 Turtoni, Sow.
- Cardium, Linné.**
 1584 echinatum, Lin.
 1585 *a. mucronatum*, Poli.
 1586 tuberculatum, Lin.
 1587 aculeatum, Lin.
 1588 Deshayesii, Payr.
 1589 erinaceum, Lin.
 1590 paucicostatum, Sow.
 1591 hians, Brocc.
 1592 papillosum, Poli.
 1593 edule, Lin.
 1594 *a. rusticum*, Chemn.
 1595 *b. Lamarckii*, Reeve.
 1596 *c.* (Caspian Sea.)
 1597 *d. crenulatum*, Lamk.
 1598 exiguum, Gmel.
 1599 *a. siculum*, Sow.
 1600 minimum, Phil.
 1601 fasciatum, Montg.
 1602 transversale, Desh. *M.*
 1603 nodosum, Turt.
 1604 pinnulatum, Conrad.
 1605 elegantulum, Beck.
 1606 ciliatum, Fabr. = *islandicum*, Chemn.
- Adacna, Eichwald.**
 1607 colorata, Eichw.
 1608 edentula, Pallas.
 1609 læviuscula, Eichw.
 1610 vitrea, Eichw.
- Monodacna, Eichwald.**
 1611 caspia, Eichw.
- Didacna, Eichwald.**
 1612 crassa, Eichw.
 1613 trigonoides, Pallas.
- Serripes, Beck.**
 1614 grœnlandicus, Chemn.
- Lævicardium, Sowerby.**
 1615 norvegicum, Speng.
 1616 *a. gibbum*, Jeff.
 1617 *b. pallidum*, Jeff.
 1618 oblongum, Chemn.
 1619 Mortoni, Conrad.
- Chama, Linné.**
 1620 gryphoides, Lin.
 1621 *a. gryphina*, Lamk.
- Cyprina, Lamarck.**
 1622 islandica, Lin.

- Isocardia, Lamarck.**
 1623 cor. Lin.
- Coralliophaga, De Blainville.**
 1624 lithophagella, Lamk.
 1625 a. Guerini, Payr.
- Tapes, Mühlfeldt.**
 1626 decussatus, Lin.
 1627 pullastra, Montg.
 1627* a. perforans, Montg.
 1628 Petetii, Desh. P.
 1629 virgineus, Lin.
 1630 a. sarniensis, Turt.
 1631 b. elongatus, Jeff.
 1632 geographicus, Gmelin.
 1633 aureus, Gmel.
 1634 a. quadratus, Jeff.
 1635 b. ovatus, Jeff.
 1636 c. lætus, Poli.
 1637 d. floridus, Lamk.
 1638 e. bicolor, Lamk.
- Lyocyma, Dall.**
 1639 fluctuosa, Gould.
- Cytherea, Bolten.**
 1640 chione, Lin.
- Callista, Poli.**
 1641 convexa, Say.
- Circe, Schumacher.**
 1642 minima, Montg.
- Dosinia, Scopoli.**
 1643 exoleta, Lin.
 1644 a. plicato-striata, Norman.
 1645 lincta, Pult.
 1646 a. compta, Lovén.
 1647 b. lupinus, Poli.
- Venus, Linné.**
 1648 verrucosa, Lin.
 1649 casina, Lin.
 1650 a. cygnus, Lamk.
 1651 b. Rusterucci, Payr.
 1652 c. multilamella, Lamk.
 1653 effossa, Biv.
 1654 gallina, Lin.
 1655 a. striatula, F. & H.
 1656 b. laminosa, Montg.
 1657 c. gibba, Jeff.
 1658 ovata, Pennant.
 1659 a. trigona, Jeff.
 1660 rudis, Poli.
 1661 a. mediterranea, Tiberi.
- Venus, Linné.—continued.**
 1662 mercinaria, Lin.
 1663 a. notata, Say.
 1664 fasciata, Da Cos.
 1665 a. radiata, Jeff.
 1666 b. raricosta, Jeff.
- Lucinopsis, Forbes & Hanley.**
 1667 undata, Penn.
- Gemma, Deshayes.**
 1668 gemma, Totten.
- Venerupis, Lamarck.**
 1669 irus, Lin.
 1670 Lajonkairei, Payr.
- Petricola, Lamarck.**
 1671 lithophaga, Retz.
 1672 pholadiformis, Lamk.
- Ungulina, Daudin.**
 1673 oblonga, Lamk.
- Axinus, J. Sowerby.**
 1674 flexuosus, Montg.
 1675 a. polygonius, Jeff.
 1676 b. Sarsii, Phil.
 1677 obesus, Verrill.
 1678 Gouldii, Phil.
 1679 granulosus, Jeff.
 1680 croulinensis, Jeff.
 1681 incrassatus, Jeff.
 1682 eumyarius, M. Sars.
 1683 ferruginosus, Forbes.
 1684 intermedius, Monts.
 1685 cycladius, S. Wood.
- Axinopsis, G. O. Sars.**
 1686 orbiculata, G. O. Sars.
- Diplodonta, Brown.**
 1687 rotundata, Montg.
 1688 apicalis, Phil.
- Donax, Linné.**
 1689 politus, Poli.
 1690 vittatus, Da Cos.
 1691 a. turgidus, Jeff.
 1692 trunculus, Lin.
 1693 a. adriaticus, Monts.
 1694 semistriatus, Poli.
 1695 venustus, Poli.
 1696 a. clodiensis, Monts.
 1697 b. Cattanianus, Brus.

- Psammobia, Lamarck.**
 1698 vespertina, Chemn.
 1699 *a. florida*, Lin.
 1700 *b. lactea*, Jeff.
 1701 ferröensis, Chemn.
 1702 costulata, Turt.
 1703 tellinella, Lamk.
 1704 *a. lactea*, Norman.
- Solecortus, Blainville.**
 1705 antiquatus, Pult.
 1706 scapula, Turton. = candidus (Ren ?)
 Jeff.
 1707 multistriatus, Scacc.
 1708 strigilatus, Lin.
- Tagelus, Gray.**
 1709 gibbus, Speng. = caribæus, Lamk.
- Siliqua, Muhlfeldt.**
 1710 costata, Say.
- Ceratisolen, Forbes.**
 1711 legumen, Lin.
- Solen, Linné.**
 1712 vagina, Lin.
 1713 siliqua, Lin.
 1714 *a. arcuata*, Jeff.
 1715 ensis, Lin.
 1716 pellucidus, Penn.
- Donacilla, Lamarck.**
 1717 cornea, Poli.
- Ceronia, Gray.**
 1718 arctata, Conrad.
 1719 deaurata, Turt.
- Ervilia, Turton.**
 1720 castanea, Montg.
- Mactra, Linné.**
 1721 glauca, Born.
 1722 stultorum, Lin.
 1723 *a. cinerea*, Montg.
 1724 *b. corallina*, Lin.
 1725 *c. lactea*, Gmel.
 1726 solidissima, Chemn.
 1727 ovalis, Gould.
 1728 subtruncata, Da Cos.
 1729 *a. striata*, Brown.
 1730 lateralis, Say.
 1731 solida, Lin.
 1732 *a. truncata*, Montg.
 1733 *b. conjunctiva*, Jeff.
 1734 elliptica, Brown.
- Lutraria, Lamarck.**
 1735 elliptica, Lamk.
 1736 *a. alterutra*, Jeff.
 1737 oblonga, Chemn.
- Eastonia, Gray.**
 1738 rugosa, Chemn.
- Mya, Linné.**
 1739 arenaria, Lin.
 1740 *a. lata*, J. Sow.
 1741 truncata, Lin.
 1742 *a. uddevalensis*, Forbes.
- Sphenia, Turton.**
 1743 Binghami, Turt.
- Corbula, Bruguière.**
 1744 gibba, Olivi.
 1745 *a. rosea*, Brown.
- Corbulomya, Nyst.**
 1746 mediterranea, O. G. Cos.
 1747 ovata, Forbes.
- Panopea, Ménard de la Groye.**
 1748 norvegica, Speng.
 1749 glycimemis, Born.
- Cyrtodaria, Daudin.**
 1750 siliqua, Chemn.
- Saxicavella, P. Fischer.**
 1751 plicata, Montg.
 1752 carinata, Brocc. *M.*
- Saxicava, Fleurian de Bellevue.**
 1753 rugosa, Lin.
 1754 *a. pholadis*, Lin.
 1755 *b. arctica*, Lin.
 1756 *c. minuta*, Lin.
- Gastrochæna, Spengler.**
 1757 dubia, Penn.
- Pholas, Lister.**
 1758 dactylus, Lin.
- Barnea, Leach.**
 1759 candida, Lin.
 1760 costata, Lin.
 1761 parva, Penn.
 1762 truncata, Say.
- Zirphæa, Leach.**
 1763 crispata, Lin.
- Martesia, Leach.**
 1764 striata, Lin.
- Pholadidea, Goodall.**
 1765 papyracea, Turt.
 1766 *a. aborta*, Jeff.

Xylophaga, Turton.

1767 dorsalis, Turt.

Teredo, Sellius.

- 1768 navalis, Lin.
 1769 *a. occlusa*, Jeff.
 1770 norvegica, Speng.
 1771 *a. divaricata*, Desh.
 1772 megotara, Hanley.
 1773 *a. excisa*, Jeff.
 1774 *b. subericola*, Jeff.
 1775 *c. mionota*, Jeff.
 1776 nana, Turt.
 1777 pedicillata, Quatr.
 1778 malleolus, Turt.
 1779 fusticulus, Jeff.
 1780 excavata, Lukis.
 1781 cucullata, Norman.
 1782 bipinnata, Turt.
 1783 fimbriata, Jeff. = palmulata, F. & H.
 1784 pennatifera, Blain.

Order II.—Dibranchia.**Lucina, Brugière.**

- 1785 borealis, Lin.
 1786 *a. depressa*, Jeff.
 1787 *b. gibba*, Jeff.
 1788 spinifera, Montg.
 1789 *a. minor*, Jeff.
 1790 reticulata, Poli. = pecten, Phil.

Loripes, Poli.

- 1791 lacteus, Lin.
 1792 *a. lactoides*, Desm.
 1793 *b. Desmarestii*, Payr.
 1794 fragilis, Phil.
 1795 divaricatus, Lin. = commutata, Phil.

Tellina, Linné.

- 1796 crassa, Penn.
 1797 balaustina, Lin.
 1798 serrata, Reni.
 1799 planata, Lin.
 1800 cumana, G. O. Cos.
 1801 *a. melo* (Sow) Monts.
 1802 nitida, Poli.
 1803 similis, Lin. *M.*
 1804 tenuis, Da Cos.
 1805 *a. commutata*, Monts. = hyalina, Desh.
 1806 *b. exigua*, Poli.

Tellina, Linné.—continued.

- 1807 fabula, Gmel.
 1808 *a. ovata*, Jeff.
 1809 squalida, Pult.
 1810 distorta, Poli.
 1811 pusilla, Phil.
 1812 donacina, Lin.
 1813 pulchella, Lamk.
 1814 balthica, Lin.
 1815 *a. minor*, Jeff.
 1816 *b. nivea*, Jeff.
 1817 calcaria, Chemn.
 1818 *a. lata*, Gmel. = proxima, Say.
 1819 *b. fusca*, Say.
 1820 tenera, Say.

Gastrana, Schumacher.

1821 fragilis, Lin.

Scrobicularia, Schumacher.

- 1822 piperata, Gmel.
 1823 Cottardi, Payr.

Abra, Risso.

- 1824 alba, S. Wood.
 1825 *a. Renieri*, Brown.
 1826 *b. longicallus*, Scacc.
 1827 ovata, Phil.
 1828 prismatica, Montg.
 1829 nitida, Müll.
 1830 tenuis, Montg.

Cumingia, Sowerby.

1831 tellinoides, Conrad.

Caspidaria, Nardo.

- 1832 rostrata, Speng.
 1833 cuspidata, Olivi.
 1834 arctica, M. Sars.
 1835 subtorta, G. O. Sars.
 1836 lamellosa, M. Sars.
 1837 *a. Koreni*, Jeff.
 1838 obesa, Lovén.
 1839 costellata, Desh.
 1840 *a. curta*, Jeff.
 1841 striata, Jeff. = multicosata, V. & S.
 1842 abbreviata, Forbes.
 1843 limatula, Dall. = contracta, Jeff.

Solemya, Lamarck.

- 1844 togata, Poli. = mediterranea, Lamk.
 1845 velum, Conrad.

Pandora, Solander.

- 1846 inæquivalvis, Lin.
 1847 obtusa, Leach.
 1848 trilineata, Say.

- Verticordia, Wood.**
 1849 *tornata*, Jeff.
Haliris, Dall.
 1850 *Fischeriana*, Dall.
Trigonulina, D'Orbigny.
 1851 *ornata*, D'Orb. = *cælata*, Verrill.
Lyonsiella, M. Sars.
 1852 *abyssicola*, M. Sars.
Lyonsia, Turton.
 1853 *norvegica*, Chemn.
 1854 *a. coruscans*, Scacc.
 1855 *hyalina*, Conrad.
 1856 *arenosa*, Möll.
Cochlodesma, Couthony.
 1857 *prætenuæ*, Pult.
 1858 *parlatoris*, Calc.
 1859 *leana*, Conrad.

- Thracia, Leach.**
 1860 *convexa*, W. Wood.
 1861 *corbuloidea*, Desh.
 1862 *Conradi*, Couth.
 1863 *pubescens*, Pult.
 1864 *papyracea*, Poli. = *phaseolina*, Lamk.
 1865 *a. gracilis*, Jeff.
 1866 *villosiuscula*, Macg.
 1867 *a. distorta*, Montg.
 1868 *truncata*, Brown.
 1869 *myopsis*, Möll.
Poromya, Forbes.
 1870 *granulata*, Nyst.
Clavagella, Lamarck.
 1871 *melitensis*, Broderip.

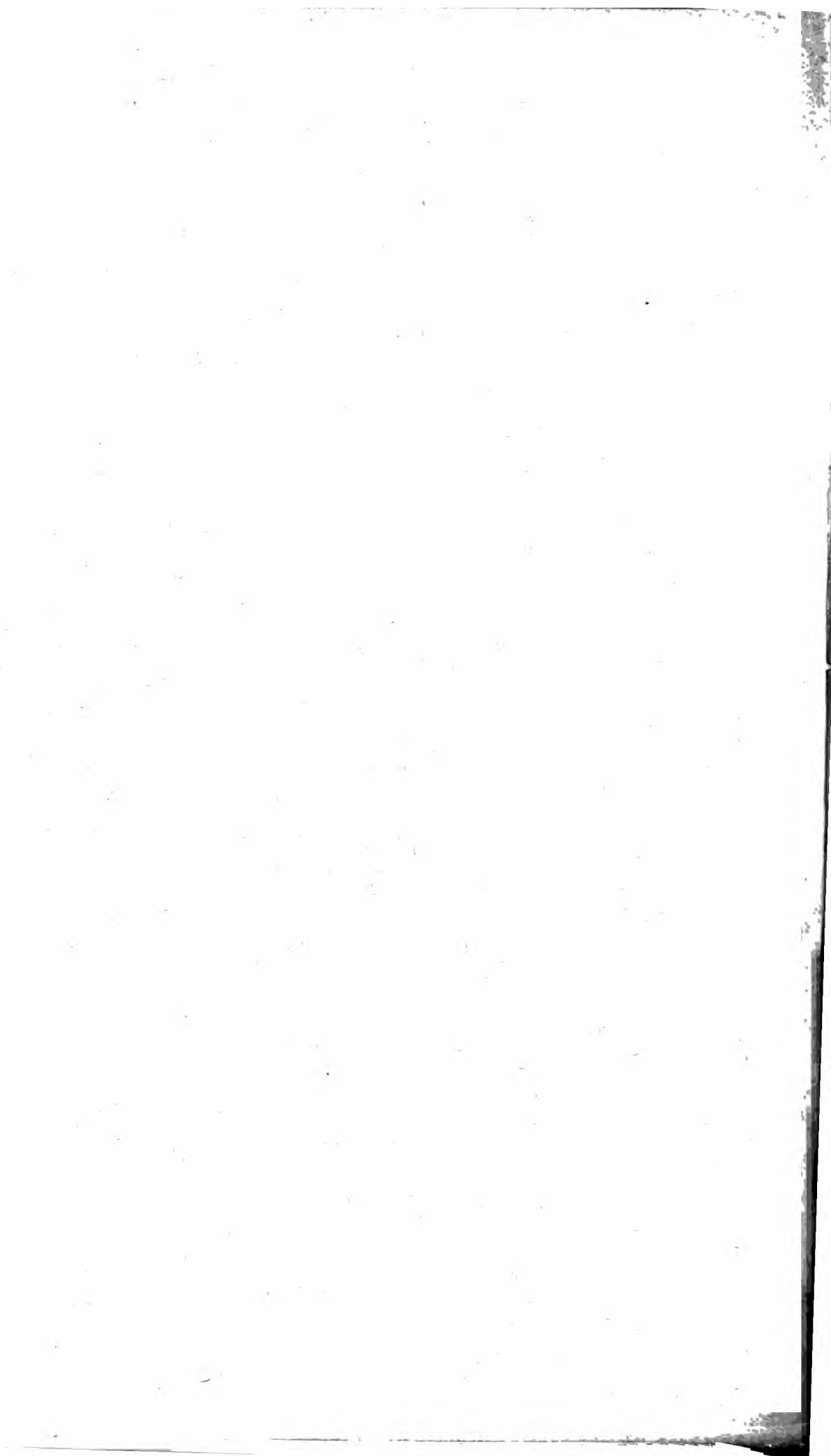
A D D E N D A .

- Alexia, Leach.**
 1872 *vulcani*, Morel. *M.*
Utriculus, Brown.
 1873 *tornatus*, Watson. *M.*
Pleurobranchia, Meckel.
 1874 *tarda*, Verrill.
Bela, Leach.
 1875 *Pingelii*, Beck.
Mitra, Lamarck.
 1876 *tricolor*, Gmelin.
 1877 *a. Savignii*, Payr.
 1878 *littoralis*, Forbes.
Fusus, Lamarck.
 1879 *rusticulus*, Monts.
Buccinum, Linné.
 1880 *grœnlandicum*, Chemn.
b. tenebrosum, Hancock.

- Cerethiopsis, Forbes & Han.**
 1881 *Metaxæ*, Del Chi.
a. angustissima, Forbes.
Lacuna, Turton.
 1882 *divaricata*, Fabr.
g. arctica, Phil.
Cithna, C. Adams.
 1883 *inflata*, Monts.
Solarium, Lamarck.
 1884 *pseudoperspectivum* Brocchi. = *discus*
 Phil.
Rissoa, Freminville.
 1885 *lineolata*, Michaud.
Hydrobia, Hartmann.
 1886 *elata*, Monts.
Zizyphinus, Leach.
 1887 *strigatus*, Phil.
Kellia, Turton.
 1888 *complanata*, Phil.
-

V. BRACHIOPODA.

- | | |
|---|---|
| <p>Eudesia, King.
 1889 cranium, Müller.
 1890 septigera, Lovén.</p> <p>Liothyris, Douvillé.
 1891 vitrea, Born.
 1892 <i>a. minor</i>, Phil. = <i>affinis</i>, Calcara.</p> <p>Terebratulina, D'Orbigny.
 1893 caput-serpentis, Lin.
 1894 <i>a. septentrionalis</i>, Couth.
 1895 <i>b. mediterranea</i>, Jeffreys.</p> <p>Gwynia, King.
 1896 capsula, Jeffreys.</p> <p>Terebratella, D'Orbigny.
 1897 spitsbergensis, Davidson.
 1898 frontalis, Midd. <i>P.</i></p> <p>Megerlia, King.
 1899 truncata, Lin.</p> <p>Platydia, Costa.
 1900 anomoides, Scacchi.
 1901 Davidsoni, Deslong.</p> | <p>Argiope, E. Deslongchamps.
 1902 decollata, Chemn.</p> <p>Cistella, Gray.
 1903 cistellula, S. Wood.
 1904 neapolitana, Scacchi.
 1905 cuneata, Risso.</p> <p>Thecideum, Defrance.
 1906 mediterraneum, Risso.</p> <p>Atretia, Jeffreys.
 1907 gnomon, Jeffreys.</p> <p>Rhynconella, Fischer.
 1908 psittacea, Gmelin.</p> <p>Crania, Retzius.
 1909 anomala, Müller. = <i>turbinata</i>, Poli.
 = <i>rostrata</i>, Hoernes.
 <i>a. alba</i>, Jeffreys.</p> <p>Discinisca, Dall.
 1910 atlantica, King.</p> |
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With the Compiler's Compliments.

MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

VI. MOLLUSCA TERRESTRIA ET
FLUVIATILIA.

PRINTED FOR PRIVATE DISTRIBUTION.

DURHAM:
THOMAS CALDCLEUGH, PRINTER, 70, SADDLER STREET.

1890.

PREFATORY NOTES.

This Catalogue covers a wider area than that indicated on the cover as "Europe," being a list of such inland Mollusca of the *Palæarctic Region* as are in my possession.

The term "Palæarctic Region" is employed to indicate the region thus named by Mr. A. R. Wallace,¹ except that the Manchurian Province, which has a very different Molluscan Fauna, is excluded. Thus limited this region embraces Europe, the parts of Africa and Arabia which lie to the North of the Tropic of Cancer, Persia and Afghanistan, and all to the North of those countries, together with the entire Russian Empire and the Islands of the Madeiran Province.

The general arrangement adopted is that of Dr. Paul Fischer.² In the nomenclature of genera and species, Dr. Westerlund's useful monograph³ is followed, as far as that work is published; and for the Mollusca of the Madeiran Province, which Province is not included in Westerlund, the work of Wollaston⁴ has been used, and the list of Mollusca of this Province is therefore printed separately at the end of the general catalogue.

I have closely followed the nomenclature of the most recent work, that of Westerlund, but must not be supposed to acquiesce in it; I cannot forbear strongly protesting against the extraordinary multiplication of names, due to certain continental authors. In no other class of animals has hair-splitting been carried out to such a mischievous and absurd extent.⁵ It would involve the study of a life, and intimate acquaintance with all the so-called species, to unravel the gordian knots which have been tied. Any partial attempt at correction in such a catalogue as this would be useless. A great gain would be bestowed upon science if able conchologists would take up special groups and, by careful study of the forms therein described, synonymize them and reduce the number of species within approximately correct limits.

¹ Wallace, *The Geographical Distribution of Animals*, 2 vols., 1876.

² Paul Fischer, *Manuel de Conchyliologie*, 1887.

³ Westerlund, *Fauna der in der Palæarctischen Region lebenden Binnenconchylien*, 1886-1889.

⁴ T. V. Wollaston, *Testacea Atlantica, or the Land and Freshwater Shells of the Azores, Madeiras, Salvages, Canaries, Cape Verdes and Saint Helena*, 1878.

⁵ From the "Zoological Record" for 1888 may be quoted a few examples taken from the most thoroughly worked countries in Europe. One author describes 8 new Unionidæ from France, and 2 from Savoy; another, 6 new species of the same family from Spain; another, 22 new Mollusca from Hamburg; another, 14 from Italy; another, 4 new European Testacellæ; another, 8 new species of Helices of the group *H. Raspaili*, from Corsica and Sardinia; another, 13 new Helices from the Alps—and all this in the year 1888! It may well be asked who are the scientific men, the conchologists of past times who never saw these "species," or those who have "discovered" them?

This collection owes its origin to the purchase, a few years ago, of the well-known European collection of the late Dr. Tiberi, of Naples, which, while good generally, was especially rich in South European forms, and in types received from describers. It has been since increased, chiefly by purchases, and at the present time contains more than twice as many forms as were in the Tiberian collection. The additions consist for the most part of East European, North Asiatic, North African, and Madeiran species.

I shall be glad to further add to it by purchase or by exchange. My duplicates of inland Mollusca are chiefly of South European species. I can, however, offer Marine Mollusca or other invertebrata; but unfortunately feel it necessary to guard myself by saying that it must not be expected that I should send rare Marine Mollusca, the acquisition of which has involved heavy expense, in exchange, *specimen for specimen*, for sub-species of inland Mollusca which prove, when received, to be scarcely, if at all, distinguishable from others already known to me. At the same time I would have it understood that I desire to obtain all described forms, if named by authorities, since it is only by the examination of specimens that the value of a named form can be gauged correctly.

Subgeneric names have only been introduced into those genera which embrace the largest number of species.

It is my usual habit to commence specific names which have reference to persons with a capital letter, and all others with a small letter; but in the present list, as there are some names of the origin of which I am ignorant, and which may be derived either from places or persons, small initials have in all cases been employed.

Letters should be addressed—

BURNMOOR RECTORY,
FENCE HOUSES,
CO. DURHAM.

Catalogues already published :—

- I.—ECHINODERMATA.
- II.—PANTOPODA (= PYCNOGONOIDEA.)
- III.—CRUSTACEA.
- IV.—MOLLUSCA MARINA.
- V.—BRACHIOPODA.

April 5, 1890.

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MUSEUM NORMANIANUM.

VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

Class I.—GASTROPODA.

Order I.—Pulmonata.

Sub-Order I.—Geophila.

Fam. I.—Testacellidæ.

Testacella, Cuvier.

- 1 maugei, Fér.
- 2 haliotidea, Drap.
- 3 I scutulum, Sow.
- 4 bisulcata, Risso.

Daubedardia, Hartmann.

- 5 brevipes, Drap.
- 6 rufa, Drap.
- 7 nivalis, Ben.
- 8 heydeni, Bttg.
- 9 lederi, Bttg.
- 10 langi, Pfr.
- 11 boettgeri, Clessin.
- 12 sicula, A. Bivona.
- 13 saulcyi, Bourg.

Glandina, Schumacher.

- 14 algira, Brug.
- 15 dilatata, Zieg.
- 16 intermedia, Mart.
- 17 I mingrellica, Bttg.
- 18 sicula, Bourg.
- 19 poireti, C. Pfr.

Fam. II.—Limacidæ.

Parmacella, Cuvier.

- 20 olivieri, Cuv.
- 21 deshayesii, M. Tand.
- 22 valenciennesi, Webb & Ben.

Vitrina, Draparnaud.

- 23 diaphana, Drap.
- 24 I heynemanni, Koch.
- 25 nivalis, Charp.
- 26 elongata, Drap.
- 27 brevis, Fér.
- 28 truncata, Bttg.
- 29 penchinati, Bourg.
- 30 pyrenaica, Fér.
- 31 major, Fér.
- 32 pellucida, Müll.
- 33 angelicæ, Beck.
- 34 bonellii, Targ. Tozz.
- 35 letourneuxi, Bourg.
- 36 servainiana, St. Sim.
- 37 annularis, Ven.
- 38 raddei, Bttg.
- 39 lederi, Bttg.
- 40 subcarinata, Bttg.

Limax, Linné.

- 41 cinereus, Lister.
- 42 brandtii, Mart.
- 43 variegatus, Drap.
- 44 intermittens, Bttg.
- 45 agrestis, Lin.
- 46 lævis, Müll.
- 47 marginata, Müll.
- 48 talyscanus, Bttg.
- 49 tigris, Bttg.
- 50 marginata, Drap.
- 51 gagates, Drap.
- 52 longicollis, Bttg.
- 53 melanocephalus, Kryn.

Conulus, Fitzinger.

- 54 fulvus, Müll.
- 55 mandralisci, Biv.

Hyalinia, Agassiz.*(Vitrea, Fitz.)*

- 56 diaphana, Stud.
 57 angystropha, Bttg.
 58 contortula, Kryn.
 59 apalista, Bourg.
 60 subrimata, Reinh.
 61 subeffusa, Bttg.
 62 crystallina, Müll.
 63 1 subterranea, Bourg.
 64 petricola, Paul.
 65 targioniana, Paul.
 66 cavannæ, Paul.
 67 1 cretica, Bttg.
 68 botterii, Parr.
 69 contracta, West.
 70 kutschigi, Walderd.
 71 hydatina, Rossm.
 72 pseudohydatina, Bourg.

(Zonitoides, Lehmann.)

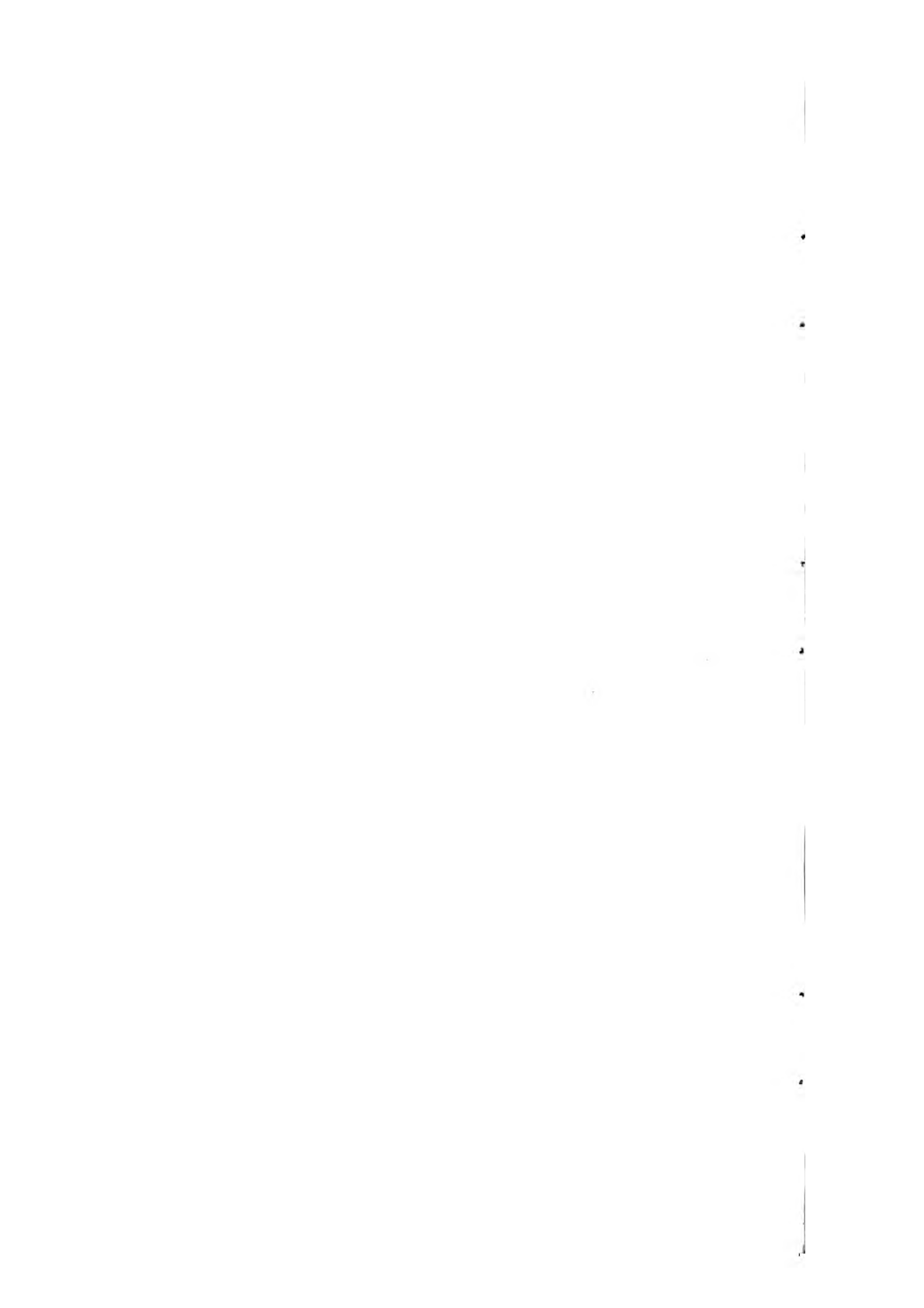
- 73 nitida, Müll.
 74 excavata, Bean.

(Polita, Held.)

- 75 pura, Alder.
 76 1 lenticularis, Held.
 77 courquini, Bourg.
 78 hammonis, Ström.
 a. viridula, Menke.
 79 petronella, Charp.
 80 circumlineata, Küstr.
 81 camelina, Bourg.
 82 1 frondosula, Mouss.
 83 testæ, Phil.
 84 1 rosmässleri, West.
 85 de natale, Ben.
 86 villæ, Mort.
 87 oppressa, Shuttl.
 88 alicurensis, Ben.
 89 albinella, Paul.
 90 nevilliana, Paul.
 91 libysonis, Paul.
 92 balmei, Shuttl.
 93 diaphanella, Kryn.
 94 planella, Pfr.
 95 isserica, Letour.
 96 glabra, Stud.
 97 1 striaria, West.
 98 nitidissima, Mouss.
 99 glaberrima, Ben.
 100 suturalis, Bttg.

Hyalinia, Agassiz.—continued.*(Polita, Held.)—continued.*

- 101 subsuturalis, Bttg.
 102 oschtenica, Bttg.
 103 alliaria, Miller.
 a. viridula, Jeffr.
 104 cellaria, Müll.
 105 1 sieversi, Bttg.
 106 2 sancta, Bourg.
 107 3 sicula, West.
 108 achlyophila, Bourg.
 109 psatura, Bourg.
 110 nitidula, Drap.
 a. helmei, Gilbert.
 111 margaritacea, A. Schm.
 112 uzielli, Iss.
 113 perspectiva, Blanc.
 114 farinesiana, Bourg.
 115 lederi, Bttg.
 116 draparnaudi, Beck.
 117 obscurata, Porro.
 118 blaueri, Shuttl.
 119 alhambær, Kob.
 120 calpica, Kob.
 121 septentrionalis, Bourg.
 122 fulgida, Parr.
 123 nitens, Mich.
 124 hiulca, Jan.
 125 æquata, Mouss.
 126 jebusitica, Roth.
 127 protensa, Fér.
 128 1 lamellifera, Blanc.
 129 subplana, Bourg.
 130 taurica, Clessin.
 131 issarica, Bourg.
 132 decipiens, Bttg.
(Mesomphix, Rafinesque.)
 133 natolica, Albers.
 134 duboisi, Charp.
 135 elegans, Bttg.
 136 mingrelica, Mouss.
 137 difficilis, Bttg.
 138 superflua, Rossm.
 a. cydoniensis, Bl.
 139 fuscata, Zieg.
 140 maurolici, Ben.
 141 calcaræ, Aradas and Magg.
 142 alleryi, Paul.
 143 filicum, Kryn.
 144 kutaisiana, Mouss.



Hyalinia, Agassiz.—continued.*(Mesomphix, Rafinesque.)*—continued.

- 145 1 transitans, Bttg.
 146 deila, Bourg.
 147 mülleri, Maltz.
 148 malinowskii, Zieg.
 149 cypria, Pfr.
 150 olivetorum, Hermann.
 151 icterica, Tiberi.
 152 incerta, Drap.
 153 1 vasconica, Bourg.
 154 zonitomæa, Letour.
 155 ægopsinoides, Maltz.

Zonites, Montfort.

- 156 verticillus, Fér.
 157 smyrnensis, Roth.
 158 albanicus, Zieg.
 159 chloroticus, Pfr.
 160 euboicus, Kob.
 161 corax, Pfr.
 162 pergranulatus, Godet.
 163 algirus, Lin.
 164 croaticus, Partsch.
 165 1 pudiosus, Zieg.
 166 compressus, Zieg.
 167 carniolicus, A. Schm.
 168 acies, Partsch.
 169 gemonensis, Fér.

*Fam. III.—Helicidæ.***Arion, Férussac.**

- 170 empiricorum, Fér.
 171 melanocephalus, Faure.
 172 subfuscus, Drap.
 173 hortensis, Fér.
 174 isseli, Bourg.

Geomalacus, Allman.

- 175 maculosus, Allm.

Leucochroa, Beck.

- 176 candidissima, Drap.
 a. maxima.
 b. minor.
 c. minima.
 d. carinata.
 177 1 rimosa, Jan and Chr.
 178 2 hierochuntina, Boiss.
 179 bætica, Rossm.
 a. gigantea.
 180 1 alexandrina, Fagot.
 181 titanodolena, Pechaud.
 182 otthiana, Forbes.

Leucochroa, Beck.—continued.

- 183 1 jeannotiana, Rossm.
 184 2 chionodiscus, Pfr.
 185 argia, Bourg.
 186 fimbriata, Bourg.
 187 prophetarum, Bourg.
 188 cariosula, Mich.
 189 mayrani, Gass.
 190 1 subcariosula, Bourg.
 191 2 debeauxii, Kob.
 192 octinella, Bourg.
 193 cariosa, Olivi.
 194 1 amphicyrta, Bourg.
 195 2 nazarensis, Mouss.
 196 3 crassocarina, Mouss.
 197 boissieri, Charp.
 198 filia, Mouss.
 199 sarda, Maltz.

Helix, Linné.*(Punctum, Morse.)*

- 200 micropleuros, Pag.
 201 poupillieri, Bourg.
 202 haffeni, F. Schm.
 203 pygmæa, Drap.
 204 debeauxiana, Bourg.
 205 simoniana, Bourg.
 206 massoti, Bourg.

(Patula, Held.)

- 207 rotundata, Müll.
 208 ruderata, Stud.
 209 omalisma, Bourg.
 210 balmei, Pot. and Mich.
 211 1 erdeli, Roth.
 212 sudensis, Pfr.
 213 solaria, Menke.
 214 friwaldskyana, Rossm.
 215 rupestris, Stud.
 216 chorismenostoma, Blanc.
 217 hierosolymitana, Bourg.

(Vallotia, Risso.)

- 218 costata, Müll.
 219 tenuilabris, Braun.
 220 pulchella, Müll.

(Lepinota, West.)

- 221 ciliata, Ven.

(Acanthinula, Beck.)

- 222 aculeata, Müll.
 223 lamellata, Jeffr.
 224 harpa, Say.

Helix, Linné.—continued.

- (*Gonostoma, Held.*)
- 225 corcyrensis, Partsch.
 226 I canalifera, Ant.
 227 barbata, Fér.
 228 lusitanica, Pfr.
 229 tarnieri, Morel.
 230 boscæ, Hidalgo.
 231 annai, Palad.
 232 constricta, Boub.
 233 lenticularis, Morel
 234 lenticula, Fér.
 235 maroccana, Morel.
 236 calpeana, Morel.
 237 lens, Fér.
 238 I lentiformis, Zieg.
 239 turriplana, Morel.
 240 rangi, Desh.
 241 barbula, Charp.
 242 gougeti, Terv.
 243 buvignieri, Mich.
 244 obvoluta, Müll.
 245 antigyra, Zieg.
 246 holosericea, Stud.
 247 diodonta, Mhlf.
 248 triaria, Friw.
 249 trinodis, Kimak.
 250 triadis, Kimak.
 251 personata, Lamk.
 252 nautiliformis, Porro.
 (*Elona, Adams.*)
 253 quimperiana, Fér.
 (*Chilotrema, Leach.*)
 254 lapicida, Lin.
 a. alba.
 (*Nummulina, Kob.*)
 255 nummus, Ehrbrg.
 256 prometheus, Bourg.
 (*Fruticicola, Held.*)
 257 bidens, Chemn.
 258 I dibothrion, Friw.
 259 unidentata, Drap.
 260 edentula, Drap.
 261 leucozona, Zieg.
 a. rutilans, Zieg.
 262 bielzi, A. Schm.
 263 hispida, Lin.
 264 I concinna, Jeffr.
 265 2 septentrionalis, Clessin.
 266 3 depilata, C. Pfr.

Helix, Linné.—continued.

- (*Fruticicola, Held.*)—continued.
- 267 rufescens, Penn.
 a. albida, Jeff.
 268 striolata, C. Pfr.
 269 montana, Stud.
 270 I danubialis, Clessin.
 271 cælata, Stud.
 272 clandestina, Hartm.
 273 umbrosa, Partsch.
 274 erjavecii, Brus.
 275 plebeia, Drap.
 276 filicina, F. J. Schm.
 277 I nudata, West.
 278 telonensis, Mettre.
 279 rufispira, Mart.
 280 martorelli, Bourg.
 281 parlatoris, Bivona.
 282 reina, Ben.
 283 villosa, Stud.
 284 villosula, Zieg.
 285 sericea, Drap.
 286 rubiginosa, Zieg.
 287 granulata, Alder.
 288 chnoodia, Bourg.
 289 revelata, Fér.
 290 montivaga, West.
 291 transsylvanica, Bielz.
 292 corsica, Shuttl.
 293 perlevis, Shuttl.
 294 lanuginosa, Boissy.
 295 roseotincta, Forbes.
 296 berbruggeriana, Letour.
 297 fusca, Mont.
 298 globula, Kryn.
 299 pisiformis, Pfr.
 300 berytensis, Fér.
 301 samsunensis, Zeleb.
 302 talyschana, Mart.
 303 inchoata, Mor.
 304 schuberti, Roth.
 305 circassia, Charp.
 306 rissoana, Pfr.
 307 I dirphica, Blanc.
 308 euboeica, Kob.
 309 messenica, Blanc.
 310 frequens, Mouss.
 311 carascaloides, Bourg.
 312 fruticola, Kryn.
 313 consona, Zieg.

Helix, Linné.—continued.*(Fruticicola, Held.)*—continued.

- 314 pirajnea, Ben.
 315 hiberna, Ben.
 a. vulcanica, Plat.
 316 lurida, Zieg.
 317 cantiana, Mont.
 318 anconæ, Iss.
 a. rubella, Risso.
 319 cemenelea, Risso.
 320 carthusiana, Müll.
 a. rufilabris, Jeff.
 b. claustralis, Parr.
 321 1 archimedeia, Ben.
 322 glabella, Drap.
 323 1 sarriensis, Mart. y Pena.
 324 2 lamalouensis, Reynes.
 a. arvensis, Pini.
 325 freytagi, Maltzan.
 326 muscicola, Bourg.
 327 pseudosericea, Ben.
 328 olivieri, Fér.
 a. ocellata, Parr.
 329 1 parumcincta, Parr.
 330 2 bicincta, Ben.
 331 3 ocellus, Mouss.
 332 4 gregaria, Zieg.
 333 rothi, Pfr.
 a. rufocincta, Parr.
 334 syriaca, Ehrenb.
 335 obstructa, Fér.
 336 flaveola, Kryn.
 337 zonitomæa, Letour.
 338 rusicadensis, Letour.
 339 faidherbiana, Bourg.
 340 strigella, Drap.
 341 orsinii, Porro.
 342 1 picena, Kob.
 343 parreyssi, Pfr.
 344 martensiana, Tiberi.
 345 apennina, Porro.
 346 incarnata, Müll.
 347 vicina, Rossm.
 348 limbata, Drap.
 349 cinctella, Drap.
(Cressa, West.)
 350 pellita, Fér.
 a. major.
 351 1 kreglingerii, Zieg.
 352 naxiana, Fér.

Helix, Linné.—continued.*(Cressa, West.)*—continued.

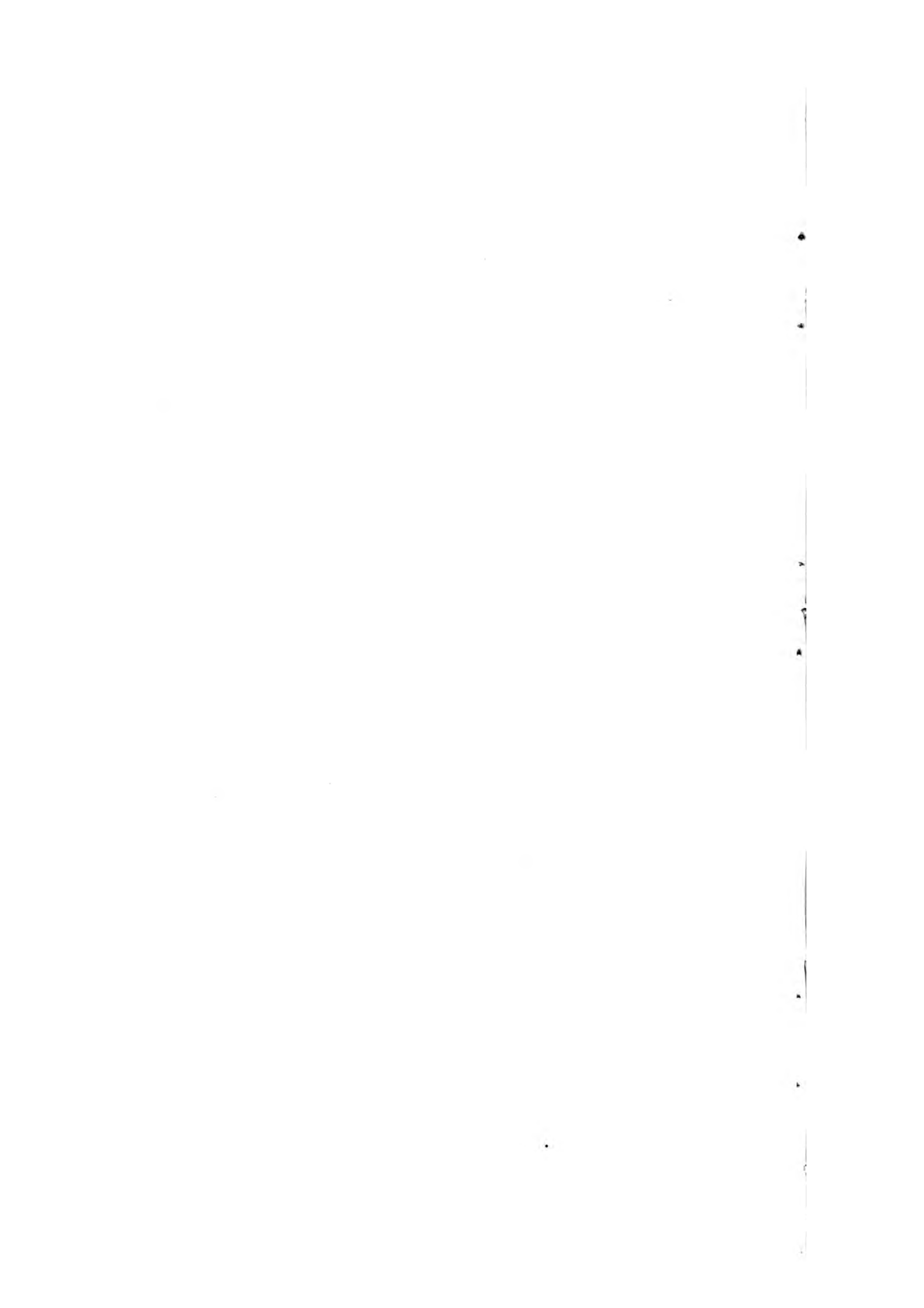
- 353 westerlundi, Blanc.
 354 1 casia, Mart.
 355 noverca, Friw.
 356 lecta, Fér.
 357 sublecta, Maltz.
 a. minor.
(Campylæa, Beck.)
 358 appeliusi, Mouss.
 359 narzarenensis, Kryn.
 a. castanea, Bttg.
 b. subunicolor, Bttg.
 360 1 cyclothyra, Bttg.
 361 pratensis, Pfr.
 a. unicolor, Bttg.
 b. major, Bttg.
 c. unicingulata, Bttg.
 362 joannis, Mart.
 363 pontica, Bttg.
 364 ravergieri, Fér.
 365 transcaucasica, Bager.
 366 phæolema, Bttg.
 367 eichwaldi, Pfr.
 368 armeniaca, Pfr.
 369 raspailii, Payr.
 370 brocardiana, Dut.
 371 gennarii, Paul.
 a. depressa.
 372 carotii, Paul.
 a. major, Maltz.
 b. unifasciata, Maltz.
 c. viverina, Maltz.
 d. lamarmoræ, Maltz.
 e. spectrum, Maltz.
 373 melonii, Maltz.
 374 pouzolzi, Mich.
 375 1 montenegrina, Zieg.
 376 banatica, Partsch.
 377 stenomphala, Menke.
 378 kollari, Zeleb.
 379 phalerata, Zieg.
 380 1 chamæleon, Parr.
 381 glacialis, Thomas.
 382 alpina, Faure-Big.
 383 1 fontenilli, Mich.
 384 schmidti, Zieg.
 385 hermesiana, Pini.
 386 1 frigidissima, Ad.
 387 intermedia, Fér.

Helix, Linné.—continued.*(Campylæa, Beck.)*—continued.

388	ziegleri, Schm.
389	æmula, Rossm.
390	pyrenaica, Drap.
391	ichthyomma, Held.
392	1 achates, Zieg.
393	cisalpina, Stab.
394	1 de-bettæ, Ad.
395	2 adamii, Kob.
396	3 rhætica, Mouss. a. alba.
397	zonata, Stud. a. fœtens, Stud.
398	subzonata, Mouss.
399	1 distans, Blanc.
400	planospira, Lam. a. major.
401	1 stabilei, Paul.
402	2 illyrica, Stab.
403	3 pubescens, Tiberi.
404	4 setulosa, Brig.
405	macrostoma, Mhlf.
406	1 cryptozona, Zieg.
407	2 confusa, Ben.
408	benedicta, Kob.
409	hirta, Menke.
410	lefeburiana, Fér.
411	setosa, Rossm. a. minor.
412	brusinæ, Stoss.
413	1 velebitana, Klec.
414	crinita, Sandri.
415	hoffmanni, Partsch.
416	klecaki, Parr.
417	insoleta, Zieg.
418	narentina, Klec.
419	denudata, Rossm.
420	nicolai, Klec.
421	trizona, Zieg.
422	cyclolabris, Desh.
423	1 arcadica, Parr.
424	2 hymetti, Mouss.
425	3 sphæriostoma, Bourg.
426	4 heldreichi, Shuttl.
427	cærulans, Mhlf.
428	1 rugata, Kuc and Sand.
429	cornea, Drap.
430	desmoulinsi, Farines.
431	phocæa, Roth.

Helix, Linné.—continued.*(Campylæa, Beck.)*—continued.

432	cingulata, Stud.
433	1 inornata, Rossm.
434	2 anauniensis, De Betta.
435	3 athesina, Paul. a. pinii, Ad.
436	4 baldensis, Villa.
437	carrarensis, Porro.
438	presli, F. Schm.
439	1 nicatis, Costa.
440	2 appeli, Kob.
441	columbrina, Jan. a. minor.
442	gobanzi, Frfld.
443	tigrina, Chr. and Jan.
444	frigida, Jan. a. insubrica, Jan. b. adamii, Pini.
445	cingulella, Zieg.
446	faustina, Zieg.
447	1 associata, Zieg.
448	2 charpentieri, Scholz.
449	rossmæssleri, Pfr.
	<i>(Arianta, Leach.)</i>
450	æthiops, Bielz.
451	arbustorum, Lin. a. boissieria, M. Tand. b. flavescens, M. Tand.
452	1 picea, Zieg.
453	2 xatarti, Farines.
454	3 repellini, Charp.
455	4 alpicola, Fér.
456	5 rudis, Mhlf.
457	6 fusca, Fér.
	<i>(Eremina, Pfr.)</i>
458	desertorum, Forskäl. a. inflata.
459	1 hasselquisti, Ehbg. a. ehrenbergi, Roth.
460	2 hemprichi, Ehbg.
461	desertella, Jick.
	<i>(Eulota, Hartmann.)</i>
462	fruticum, Müll. a. andersoni, Clessin. b. fasciata. c. carnea.
463	schrenki, Middend.
464	phæozona, Mart.
465	euages, Bttg.



Helix, Linnè.—continued.*(Euparypha, Hartmann.)*

- 466 planata, Chemn.
 467 1 arietina, Rossm.
 468 dehnei, Rossm.
 469 subdentata, Fér.
 470 pisana, Müll.
 a. alba, Shuttl.
 471 1 anonyma, West.
 472 2 dermoi, Serv.
 473 3 algarbiensis, Maltz.
 monst. turriculala.
 monst. sinistrorsa.

(Xerophila, Held.)

- 474 virgata, Da Costa.
 475 1 variabilis, Drap.
 monst. sinistrorsa.
 476 lineata, Olivi.
 477 herbicola, Shuttl.
 478 luteata, Parr.
 479 dautezi, Kob.
 480 lauta, Lowe.
 481 pseudenhalia, Bourg.
 482 euxina, Clessin.
 483 astata, Bourg.
 484 hydruntina, Blanc.
 485 1 messapia, Blanc.
 486 erythræa, West.
 487 1 halophila, Deb.
 488 2 affnior, Deb.
 489 sebkarum, Deb.
 490 subrostrata, Fér.
 491 cretica, Fér.
 492 moneriana, Bourg.
 493 simulata, Fér.
 494 dohrni, Paul.
 495 seetzeni, Koch.
 496 1 fasciata, Mouss.
 497 2 subinflata, Mouss.
 498 turbinata, Jan.
 499 candiota, Friw.
 500 pellucens, Shuttl.
 501 berlieri, Mor.
 502 lacertarum, Bourg.
 503 durieui, M. Tand.
 504 parva, Parr.
 505 acompsia, Bourg.
 506 1 acompsiella, Anc.
 507 krynichi, Andr.
 508 protea, Zieg.

Helix, Linné.—continued.*(Xerophila, Held.)*—continued.

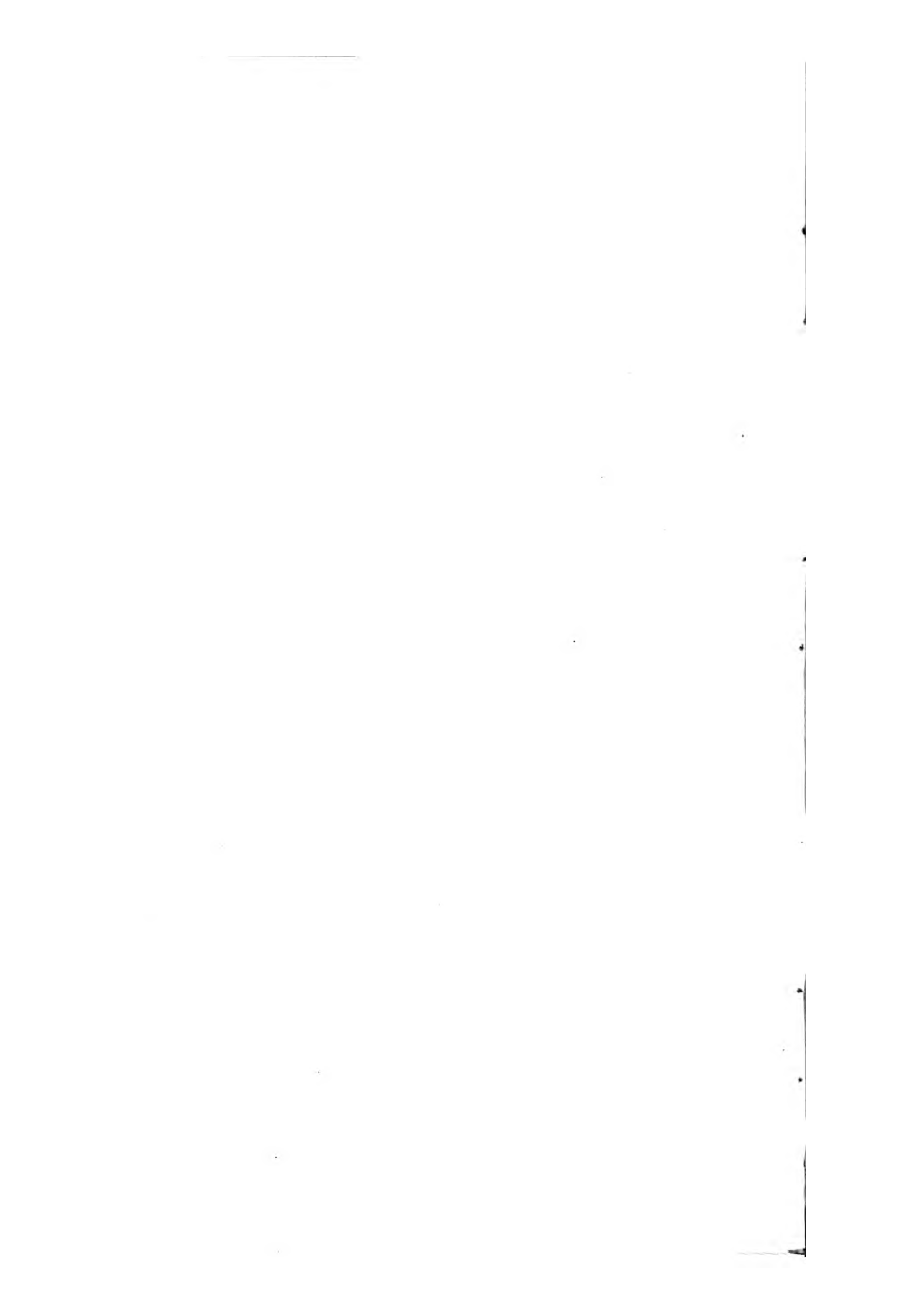
- 509 joppensis, Roth.
 510 1 multinotata, Mouss.
 511 nivea, Zieg.
 512 siderensis, Maltz.
 513 bargesiana, Bourg.
 514 vestalis, Parr.
 515 euphorca, Bourg.
 516 mauritanica, Bourg.
 517 caruanæ, Kob.
 518 chalcidica, Mouss.
 519 cauta, West.
 520 didyma, West.
 521 piratarum, Kob.
 522 adolfi, Pfr.
 523 arigoï, Bourg.
 524 rhodochila, West.
 525 calopsis, Bourg.
 526 kabyliana, Deb.
 527 terveri, Mich.
 528 mœsta, Parr.
 529 oranensis, Morel.
 530 choreta, Bourg.
 531 colomiesiana, Bourg.
 532 sphærita, Hartm.
 533 sitifiensis, Bourg.
 534 cespitum, Drap.
 535 eremophila, Boiss.
 536 erkeliï, Kob.
 537 arenarum, Bourg.
 538 neglecta, Drap.
 539 suspecta, West.
 540 rozeti, Mich.
 541 diensis, Maltz.
 542 mesostena, West.
 543 psiloritana, Maltz.
 544 tuta, Paul.
 545 caroli, Dohrn. and Heyn.
 546 camerata, Mouss.
 547 subprofuga, Stab.
 548 meda, Porro.
 549 profuga, A. Schm.
 a. major.
 550 1 smyrnensis, Bttg.
 551 etrusca, Iss.
 552 meridionalis, Parr.
 553 hamilcaris, Kob.
 554 cyzicensis, Gallard.
 555 hellenicæ, Bourg.

Helix, Linné.—continued.*(Xerophila, Held.)*—continued.

- 556 variegata, Friw.
 557 phthiota, West.
 558 striata, Müll.
 559 1 costulata, Zieg.
 560 apicina, Lam.
 561 1 requieni, M. Tand.
 562 bardensis, Bourg.
 563 ordunensis, Kob.
 564 intersecta, Poir.
 565 codia, Bourg.
 566 semipicta, Hidalgo.
 567 cistorum, Mor.
 568 penchinati, Bourg.
 569 valcourtiana, Bourg.
 570 heripensis, Mab.
 571 gigaxii, Charp.
 572 trepidula, Serv.
 573 rugosiuscula, Mich.
 574 unifasciata, Poir.
 a. thymorum, Alten.
 575 lunulata, Kryn.
 576 subvariegata, Maltz.
 577 barcinonensis, Bourg.
 578 madritensis, Ramb.
 579 hillyeriana, Paul.
 580 derogata, Rossm.
 581 redoubiana, Bourg.
 582 micromphalus, Letour.
 583 submeridionalis, Bourg.
 584 modica, Morel.
 585 1 attafsensis, Mor.
 586 hipponensis, Morel.
 587 cottyi, Morel.
 588 langloisiana, Bourg.
 589 oertzeni, Maltz.
 590 hierapterana, Maltz.
 591 sitiensis, Maltz.
 592 colosseana, Fagot.
 593 illibata, Parr.
 594 conspurcata, Drap.
 595 psara, Bourg.
 596 malaspinae, Bourg.
 597 locheana, Bourg.
 598 sardiniensis, Porro.
 599 quisquiliæ, Paul.
 600 carascalensis, Fér.
 601 velascoi, Hidalgo.
 602 zelebori, Pfr.

Helix, Linné.—continued.*(Xerophila, Held.)*—continued.

- 603 amanda, Rossm.
 604 1 dormiens, Ben.
 605 usticensis, Calcara.
 606 ponsonbyi, Kob.
 607 hamudæ, Kob.
 608 barneana, Anc.
 609 amphiconus, Maltz.
 610 sphakiota, Maltz.
 611 tineana, Ben.
 612 præclara, Cafici.
 613 rugosa, Chemn.
 614 crenimargo, Kryn.
 615 syrensis, Pfr.
 616 ledereri, Pfr.
 617 spratti, Pfr.
 618 explanata, Müll.
 619 sigensis, Kob.
 620 1 jolyi, Pech.
 621 depressula, Parr.
 622 henoniana, Bourg.
 623 doumeti, Bourg.
 624 1 lacosteana, Mor.
 625 boissyi, Terv.
 626 1 frater, D.
 627 nyellii, Mitre.
 628 homeyeri, Dohrn. and Hey.
 629 prietoi, Hidalgo.
 630 pollenzensis, Hidalgo.
 631 setubalensis, Pfr.
 632 barceloi, Hidalgo.
 633 cardonæ, Hidalgo.
 634 argonautula, Webb and Berth.
 635 turcica, Chemn.
 636 magadorensis, Bourg.
 637 degenerans, Mouss.
 638 mograbina, Mor.
 639 tunetana, Pfr.
 640 pamplonensis, A. Schm.
 641 ericetorum, Müll.
 a. leucozona, M. Tand.
 b. obliterata, Hartm.
 642 obvia, Zieg.
 643 1 arenosa, Zieg.
 644 2 dejecta, Zieg.
 645 spirula, Zieg.
 646 vulgarissima, Schläf.
 647 interpres, West.
 648 aberrans, Mouss.



Helix, Linné.—continued.*(Xerophila, Held.)*—continued.

- 649 derbentina, Kryn.
 650 1 isomera, Friw.
 651 2 armeniaca, Bayer.
 652 filimargo, Zieg.
 653 ammonis, A. Schm.
 a. candida, Porro.
 654 1 discrepans, Tiberi.
 655 spadæ, Calcara.
 656 instabilis, Zieg.
 657 1 ratowskyana, Clessin.
 658 bathyomphala, Charp.
 659 bathyptera, Blanc.
 a. affinis, Blanc.
 660 nubigena, Charp.
 661 destituta, Charp.
 662 homoleuca, Parr.
 663 liburnica, Stoss.
 664 newka, Dohrn.
 665 majoricensis, Dohrn. and Hey.
 666 caroni, Desh.
 667 elata, Faure-Biguet.
 668 trochlea, Pfr.
 669 sequentiana, Ben.
 670 tuberculosa, Conrad.
 671 philamnia, Bourg.
 672 ptycodia, Bourg.
 673 terrestris, Penn.
 674 scitula, Jan. and Christ.
 675 trochoides, Poir.
 676 1 sulculata, Jan.
 677 2 infulata, Paul.
 678 3 conica, Drap.
 679 verticillata, Parr.
 680 pyramidata, Drap.
 681 apiculus, Rossm.
 682 tarentina, Pfr.
 683 madana, Let. and Bourg.
 684 numidica, M. Tand.
 685 calcarata, Ben.
 686 schreimbrii, Scacchi.
 687 vatonniana, Bourg.
 688 contermina, Shuttl.
 689 conoidea, Drap.
 a. cognata, Zieg.
 b. major.
 690 pringi, Pfr.
 691 acuta, Müll.
 692 barbara, Lin.

B

Helix, Linné.—continued.*(Iberus, Montfort.)*

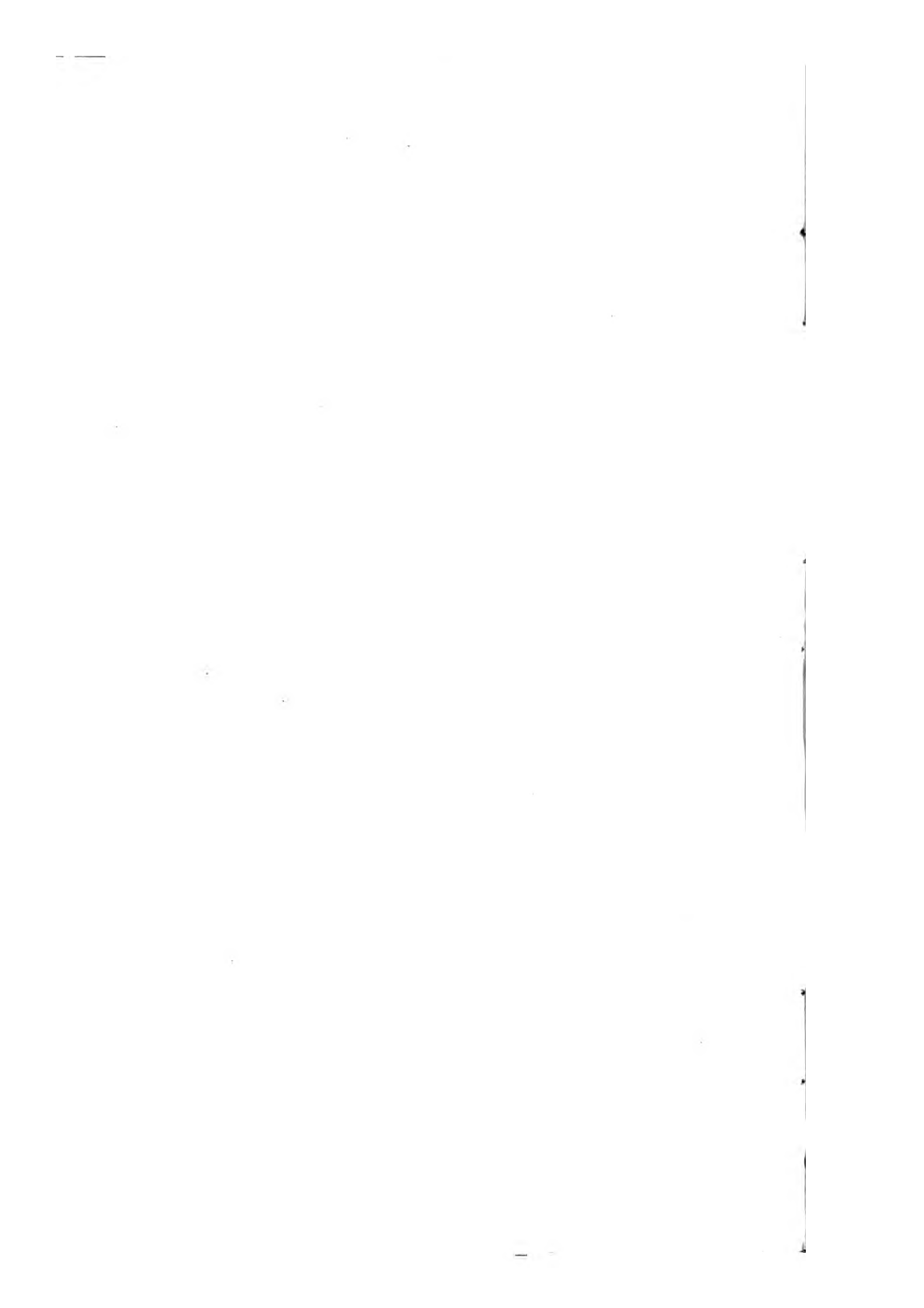
- 693 gualteriana, Lin.
 694 1 laurentii, Bourg.
 695 subscabriuscula, Bourg.
 696 scabriuscula, Desh.
 a. major.
 b. minor.
 697 1 scalariformis, Ben.
 698 2 segestana, Phil.
 699 3 selinuntina, Phil.
 700 bülowi, Maltz.
 701 paciniana, Phil.
 702 sardoniana, Mart.
 703 1 dorgaliensis, Maltz.
 704 grohmanni, Phil.
 705 tiberiana, Ben.
 706 muralis, Müll.
 707 1 rugosa, Zieg.
 708 2 costulata, Ben.
 709 3 crispata, Ben.
 710 4 organensis, Philbert.
 711 globularis, Zieg.
 a. conspicua, Ben.
 b. friwaldskyi, Calcara.
 c. achatina, Ben.
 d. undulata, Ben.
 e. saracena, Ben.
 712 1 tarentina, Kob.
 713 eugenia, Pfr.
 714 1 huetiana, Ben.
 715 platychela, Menke.
 a. minor
 716 1 rosaliæ, Ben.
 717 2 iparia, Ben.
 718 sicana, Fér.
 a. fasciata.
 b. minor.
 719 sicanoides, Kob.
 720 böttgeri, Kob.
 721 melitensis, Fér.
 722 ascheræ, Kob.
 723 ridens, Mart.
 a. minor, Maltz.
 b. splendens, Maltz.
 c. major.
 724 provincialis, Ben.
 a. unicolor, Ben.
 725 carsoliana, Fér.
 726 1 uzielliana, Paul.

Helix, Linné.—continued.*(Iberus, Montfort.)*—continued.

- 727 nebrodensis, Pirajno.
 728 villica, Paul.
 729 signata, Fér.
 730 scherzeri, Zieg.
 731 strigata, Fér.
 a. posidoniensis, Tiberi.
 b. corrugata, Zieg.
 732 1 umbrica, Chem.
 a. moltenii, Ad.
 733 mariannæ, Kob.
 734 1 apula, Blanc.
 735 surrentina, A. Schm.
 736 leachi, Fér.
 737 rollei, Maltz.
 738 serpentina, Fér.
 739 1 trica, Paul.
 740 2 isaræ, Paul.
 741 3 isilensis, Villa.
 742 4 jaspidea, Mab.
 743 5 sicula, Ben.
 744 hospitans, Bonelli.
 a. depressa, Paul.
 b. subangulata, Paul.
 c. carinata, Paul.
 745 1 alabastrina, Paul.
 746 caræ, Cantraine.
 747 1 adjaciensis, Paul.
 748 cenestiniensis, Crosse and Debeaux.
 749 suburbana, Paul.
 750 halmyris, Mab.
 751 pudiosa, Paul.
 752 niciensis, Fér.
 753 tetrazona, Jan.
 754 spiriplana, Oliv.
 755 hierosolyma, Boissier.
 756 1 masadæ, Tristram.
 757 cæsareana, Parr.
 758 guttata, Oliv.
 759 dsulfensis, Dubois.
 760 kurdistana, Parr.
(Macularia, Albers.)
 761 codringtoni, Gray.
 762 1 pseudoparnassia, Mouss.
 763 2 parnassia, Roth.
 764 alonensis, Fér.
 765 campesina, Ezquerra del Bajo.
 766 marmorata, Fér.
 767 1 rondensis, Kob.

Helix, Linné.—continued.*(Macularia, Albers.)*—continued.

- 768 carthaginiensis, Rossm.
 769 loxana, Rossm.
 770 atlasica, Mouss.
 771 beaumieri, Mouss.
 772 ebusitana, Hid.
 773 raymondi, M. Tand.
 774 balearica, Zieg.
 775 companyoi, Aleron.
 776 minorica, Berth.
 777 soluta, Mich.
 778 1 alabastrites, Mich.
 779 vermiculata, Müll.
 a. minor.
 b. albina.
 780 1 usticensis, Kob.
 a. crassilabris, Maltz.
 b. zonata.
 c. globosa.
 d. pyramidata.
 781 constantinæ, Forbes.
 782 boghariensis, Deb.
 783 fleurati, Bourg.
 784 lactea, Müll.
 a. unicolor.
 785 murcica, Rossm.
 786 axia, Bourg.
 787 bleicheri, Palad.
 788 lucasii, Desh.
 789 alybensis, Kob.
 790 myristigmæa, Bourg.
 791 1 punctatissima, Jenisson.
 792 2 bredeana, Deb.
 793 apalolena, Bourg.
 794 galena, Bourg.
 795 eugastora, Bourg.
 796 jourdaniana, Bourg.
 797 hieroglyphicula, Mich.
 a. oranica, Deb.
 798 segnyana, Bourg.
 799 julietti, Terver.
 800 beguirana, Deb.
 801 punica, Mor.
 802 massylæa, Morelet.
 803 1 zenatia, Kob.
 804 zaffarina, Beck.
 805 1 zelleri, Kob.
 806 2 dupotetiana, Terver.
 807 acatergastra, Pechaud.



Helix, Linné.—continued.*(Macularia, Albers.)*—continued.

- 808 brevieri, Pechaud.
 809 arichensis, Deb.
 810 abrolena, Bourg.
 a. albida.
 811 arabica, Terver.
 812 xanthodon, Anton.
 813 ema, Bourg.
 814 doubleti, Pech.
 815 odopachya, Bourg.
 816 pseudoembia, Deb.
 817 burini, Bourg.
 818 dastuguei, Bourg.
 819 tigriana, Bourg.
 820 dicallistodon, Bourg.
 821 graellsiana, Pfr.
(Tachea, Leach.)
 822 atrolabiata, Kryn.
 a. subnemoralis, Bttg.
 b. maculofasciata, Bttg.
 c. tricolor, Bttg.
 823 1 stauropolitana, A. Schm.
 824 2 lencoranea, Mouss.
 825 3 pallasii, Dubois.
 826 4 decussata, Bttg.
 827 vindobonensis, Fér.
 828 nemoralis, Müll.
 829 1 leucostoma, Stab.
 829* 2 roseolabiata, Taylor.
 monstr. scalariformis.
 monstr. sinistrorsa.
 830 hortensis, Müll.
 831 1 hybrida, Poiret.
 832 sylvatica, Drap.
 a. montana, Stud.
 b. rhenana, Kob.
 833 coquandi, Mor.
 a. nahoni, Kob.
 834 splendida, Drap.
 835 1 cossoni, Letour.
(Pomatia, Beck.)
 836 aperta, Born.
 837 tristis, Pfr.
 838 aspersa, Müll.
 839 1 exalbida, Menke.
 840 2 conoidea, Picard.
 841 3 tenuis, Jeff.
 monstr. scalariformis.
 monstr. sinistrorsa.

Helix, Linné.—continued.*(Pomatia, Beck.)*—continued.

- 842 mazzullii, Jan.
 843 vermiculosa, Mor.
 844 godetiana, Kob.
 845 prasinata, Roth.
 846 cavata, Mouss.
 847 asemnis, Bourg.
 848 figulina, Parr.
 849 pomacella, Parr.
 850 lutescens, Zieg.
 851 philibensis, Friw.
 852 nordmanni, Parr.
 853 obtusata, Zieg.
 854 cincta, Müll.
 855 ambigua, Parr.
 856 thiesseana, Kob.
 857 nucula, Parr.
 858 1 pronuba, West.
 859 melanostoma, Drap.
 860 buchi, Dub.
 861 pomatia, Lin.
 a. compacta, Hazay.
 b. pulskyana, Hazay.
 c. hajnaldiana, Hazay.
 d. solitaria, Hazay.
 e. pannonica, Hazay.
 f. sabulosa, Hazay.
 monstr. ovata.
 monstr. scalariformis.
 monstr. sinistrorsa.
 862 ligata, Müll.
 863 1 prætutia, Tiberi.
 864 2 gussoneana, Pfr.
 865 3 albescens, Jan.
 865* 4 campana, Tiberi.
 866 secernenda, Rossm.
 867 schlæffi, Mouss.
 868 1 præstans, Blanc.
 869 lucorum, Lin.
 870 1 castanea, Oliv.
 871 2 euphratica, Mart.
 872 straminea, Brig.
 873 onixiomica, Bourg.
 874 taurica, Kryn.
 875 radiosa, Zieg.
Fam. IV.—Pupidæ.
Buliminus, Ehrenberg.
(Zebrinus, Held.)
 876 detritus, Müll.

Buliminus, Ehrenberg.—continued.

- (*Zebrinus, Held.*)—continued.
a. albidus, Menke.
b. unicolor, Jan.
c. radiatus, Pfr.
d. tumidus, Parr.
877 *fasciolatus*, Oliv.
a. punctatus.
878 1 *kurdistanus*, Parr.
879 *hohenackeri*, Kryn.
880 *dardanus*, Friw.
881 *eburneus*, Pfr.
882 *cylindricus*, Menke.
883 1 *fusiformis*, Menke.
884 2 *fuscilabris*, Kryn.
885 3 *zebriolatus*, Clessin.
886 4 *retowskyanus*, Clessin.
887 5 *illibatus*, Zieg.
888 *varnensis*, Friw.
(*Brephulus, Beck.*)
889 *orientalis*, Friw.
890 *friwaldskyi*, Pfr.
891 1 *reynevalianus*, Raym.
892 *attenuatus*, Kryn.
893 1 *theodosianus*, Bourg.
894 2 *costatus*, Ret.
895 *zebra*, Oliv.
896 1 *spoliatus*, Parr.
897 2 *beoticus*, Bourg.
898 *compactus*, Friw.
899 *olympicus*, Parr.
900 *tournefortianus*, Fér.
(*Mastus, Beck.*)
901 *episomus*, Bourg.
902 *cretensis*, Pfr.
a. elongatus.
903 *ehrenbergi*, Pfr.
904 *dirphicus*, Blanc.
905 *grandis*, Bielz.
906 *kindermanni*, Parr.
907 *rossmässleri*, Pfr.
908 *carneolus*, Zieg.
909 *transsylvanicus*, Kim.
910 *turgidus*, Parr.
911 *etuberculatus*, Frfld.
912 *gastrum*, Ehrb.
913 *uriæ*, Tristram.
914 *pusio*, Broderip.
915 *pupa*, Brug.
916 1 *sardoa*.

Buliminus, Ehrenberg.—continued.

- (*Mastus, Beck.*)—continued.
917 *reversalis*, Bielz.
a. brevis, West.
b. elongatus, Bielz.
c. alpestris, Bielz.
918 *venerabilis*, Parr.
(*Medea, Bttg.*)
919 *raddei*, Kob.
(*Retowskia, Bttg.*)
920 *schläflii*, Mouss.
(*Omphaloconus, West.*)
921 *euryomphalus*, Letour.
(*Napæus, Albers.*)
922 *kabylanus*, Letour.
923 *milevianus*, Raym.
924 *cirtanus*, Morel.
925 *todillus*, Morel.
926 1 *janus*, West.
927 *letourneuxi*, Bourg.
928 *jeannoti*, Terv.
929 *micheelii*, Kob.
930 *subulatus*, Rossm.
931 *reitteri*, Mart.
932 *rupestris*, Kryn.
933 *merduenianus*, Kryn.
934 *græcus*, Beck.
a. elongatus, Kob.
935 *olivaceus*, Pfr.
a. elongatus.
936 *cæsius*, Bttg.
937 *montanus*, Bttg.
938 1 *variegatus*, M. Tand.
939 *cous*, Ar.
940 *caucasicus*, Pfr.
941 *boettgeri*, Clessin.
942 *obscurus*, Müll.
943 1 *umbrosus*, Mouss.
944 *gibber*, Kryn.
(*Chondrulus, Beck.*)
945 *lederi*, Bttg.
946 *diffusus*, Mouss.
947 *consentaneus*, Zieg.
948 *tridens*, Müll.
a. elongatus, West.
b. major, Kryn.
949 1 *eximius*, Rossm.
950 2 *bayerni*, Parr.
a. marcidus, Bttg.
951 3 *albolimbatus*, Pfr.

Buliminus, Ehrenberg.—continued.*(Chondrulus, Beck.)*—continued.

- 952 4 haleciensis, Clessin.
 953 rothi, Pfr.
 954 quinquentatus, Mühlf.
 955 bergeri, Roth.
 956 microtragus, Parr.
 957 tricuspidatus, Kstr.
 958 truquii, Bell.
 959 septemdentatus, Roth.
 a. elongatus, Roth.
 b. albus.
 960 lamellifer, Rossm.
 961 1 phasianus, Dub.
 962 2 angustatus, Ret.
 963 ovularis, Oliv.
 964 1 sulcidens, Mouss.
 965 didymodus, Bttg.
 966 clessini, Ret.
 967 nucifragus, Parr.
 968 stylus, Parr.
 969 albus, Mouss.
 970 sauleyi, Bourg.
 971 chondriformis, Mouss.
 972 quadridens, Müll.
 973 1 prolixus, Pini.
 974 2 elongatus, Requ.
 975 3 niso, Risso.
 976 4 loewi, Phil.
 977 thiesseanus, Mouss.
 a. major.
 978 scapus, Parr.
 979 1 destitutus, Mouss.
(Amphiscopis, West.)
 980 sturmi, Kstr.
 981 squalinus, Rossm.
(Petræus, Albers.)
 982 labrosus, Oliv.
 983 1 jordani, Boiss.
 984 2 diminutus, Mouss.
 985 hedjazicus, Bourg.
 986 syriacus, Pfr.
 987 sidoniensis, Charp.
 988 halepensis, Pfr.
 989 candidus, Lamk.
 990 forskali, Beck.
 991 eremita, Benson.
 992 1 germabensis, Bttg.
 993 labiellus, Mart.
 a. albinus.

Buliminus, Ehrenberg.—continued.*(Petræus, Albers.)*—continued.

- 994 ufjaloyanus, Ancey.
 995 kuschakewitzi, Ancey.
 996 trigonochilus, Ancey.
 997 asiaticus, Mouss.
 998 intumescens, Mart.
 999 secalinus, Mouss.
 1000 rufistrigatus, Benson.
 1001 sogdianus, Mart.
 1002 potaninianus, Ancey.
 1003 przevalskii, Ancey.
 1004 bonvallotianus, Ancey.
 1005 candelabris, Pfr.
(Zootecus, West.)
 1006 insularis, Ehrbg.
(Cylindrus, Fitzinger.)
 1007 obtusatus, Drap.

Pupa, Draparnaud.*(Lauria, Gray.)*

- 1008 cylindracea, Da Costa.
 a. albina.
 1009 1 villæ, Charp.
 1010 2 umbilicus, Roth.
 1011 semproni, Charp.
 a. dilucida, Zieg.
 1012 1 caspia, Pfr.
 1013 anglica, Fèr.
 1014 pulchra, Ret.
 1015 1 nitens, Bttg.
 1016 superstructa, Mouss.
 1017 1 zonata, Bttg.
 a. albina.
 1018 2 unibasalis, Bttg.

(Orcula, Held.)

- 1019 dolium, Drap.
 1020 gularis, Rossm.
 a. spoliata, Rossm.
 1021 conica, Rossm.
 1022 schmidti, Kstr.
 1023 doliolum, Brug.
 1024 scyphus, Friw.
 1025 mesopotamica, Mouss.
 1026 raymondi, Bourg.
 1027 1 trifilaris, Mouss.
 1028 2 bifilaris, Mouss.

(Coryna, West.)

- 1029 truncatella, Zieg.
 1030 biplicata, Mich.

Pupa, Draparnaud.—continued.

- (*Coryna*, West.)—continued.
 1031 1 excessiva, Gredl.
 1032 ferrari, Porro.
 (*Pagodina*, Strobel.
 1033 pagodula, Des Moul.
 a. gracilis, Bttg.
 1034 1 subdola, Gredl.
 1035 2 lederi, Bttg.
 (*Sandahlia*, West.)
 1036 cylindrica, Mich.
 (*Torquilla*, Faure-Big.)
 1037 similis, Brug.
 1038 pallida, Phil.
 1039 1 amicta, Parr.
 1040 psarolena, Bourg.
 1041 megachilus, Jan.
 a. gigantea, M. Tand.
 1042 goniostoma, Kstr.
 1043 bigorriensis, Charp.
 1044 1 moquiniana, Kstr.
 1045 leptochilus, Fagot.
 1046 avenacea, Brug.
 1 duplicata, Kstr.
 2 transiens, West.
 1049 cereana, Mühlf.
 1050 bergomensis, Kstr.
 1051 faranesi, Des Moul.
 1052 jumillensis, Guirao.
 1053 oblitterata, Charp.
 1054 arigo, Rossm.
 1055 kobelti, Hidalgo.
 1056 lusitanica, Rossm.
 1057 tingitana, Kob.
 a. algesiræ, Kob.
 1058 calpica, West.
 1059 mühlfeldi, Kstr.
 1060 1 ventilatoris, Parr.
 1061 rupestris, Phil.
 1062 scalaris, Parr.
 1063 brondeli, Bourg.
 1064 occulta, Parr.
 1065 philippii, Cantr.
 1066 rhodia, Roth.
 1067 michaudi, Terv.
 1068 kabyliana, Letour.
 1069 frumentum, Drap.
 1 elongata, Rossm.
 1071 2 illyrica, Rossm.
 1072 3 curta, Kstr.

Pupa, Draparnaud.—continued.

- (*Torquilla*, Faure-Big.)—continued.
 1073 4 pachygastra, Zieg.
 1074 5 appennina, Charp.
 1075 brauni, Rossm.
 1076 cristella, West.
 1077 ringens, Caillard.
 a. fagotiana, Loc.
 1078 baillensi, Dup.
 1079 partioti, M. Tand.
 1080 secale, Drap.
 1081 1 seligo, Roth.
 1082 boileausiana, Charp.
 1083 pyræniaria, Boub.
 a. saxicola, M. Tand.
 1084 bofilli, Fagot.
 1085 vergnesiana, Charp.
 1086 clausilioides, Boub.
 1087 affinis, Rossm.
 1088 polyodon, Drap.
 1089 1 ringicula, Mich.
 1090 montserratica, Fagot.
 1091 variabilis, Drap.
 a. maxima.
 1092 mortilleti, Stab.
 1093 anceyi, Fagot.
 1094 micheli, Terv.
 1095 granum, Drap.
 1096 subulata, Bivona.
 (*Odontocycas*, Schlüter.)
 1097 rossmässleri, Schm.
 1098 kokeili, Rossm.
 (*Pupilla*, Leach.)
 1099 muscorum, Müll.
 a. edentula.
 1 bigranata, Rossm.
 1100 sterri, Voith.
 1101 1 aridula, Held.
 1102 triplicata, Stud.
 1 luxurians, Reinh.
 2 inops, Reinh.
 1105 signata, Mouss.
 1106 interrupta, Roth.
 (*Sphæradium*, Agassiz.)
 1108 edentula, Drap.
 1109 gredleri, Cless.
 1110 inornata, Mich.
 (*Isthmia*, Gray.)
 1111 strobili, Gredl.
 1112 claustralis, Gredl.

Pupa, Draparnaud.—continued.*(Isthmia, Gray.)*—continued.

- 1113 1 clavella, Reinh.
 1114 2 opistodon, Reinh.
 1115 costulata, Nilsson.
 1116 striata, Gredl.
 1117 minutissima, Hartm.
(Alæa, Jeffreys.)
 1118 genesii, Gredl.
 1119 arctica, Wallenb.
 1120 alpestris, Alder.
 1121 shuttleworthiana, Charp.
 1122 lilljeborgii, West.
 1123 moulinsiana, Dup.
 1124 pygmæa, Drap.
 1125 1 athesina, Gredl.
 1126 sieversi, Bttg.
 1127 substriata, Jeff.
 1128 antivertigo, Drap.
(Vertigo, Müller.)
 1129 pusilla, Müll.
 1130 angustior, Jeff.

Balea, Prideaux.

- 1131 perversa, Lin.

Clausilia, Draparnaud.*(Alopiæ, Adams.)*

- 1132 guicciardi, Roth.
 1133 livida, Menke.
 a. lactea, Bielz.
 1134 lischkeana, Parr.
 a. gracilior, Kim.
 b. livens, Rossm.
 1135 fussiana, Bielz.
 a. pruinosa, Charp.
 b. conjungens, Bielz.
 1136 menschendörferi, Bielz.
 1137 bielzi, Parr.
 1138 1 madensis, C. Fuss.
 1139 2 clathrata, Friw.
 1140 glauca, Bielz.
 a. minor, West.
 b. striolata, Bielz.
 c. plicata, Bielz.
 1141 1 latens, Pfr.
 1142 2 costata, Bielz.
 1143 glorifica, Rossm.
 1144 haueri, Bielz.
 1145 canescens, Parr.
 1146 1 glabriuscula, Rossm.

Clausilia, Draparnaud.—continued.*(Alopiæ, Adams.)*—continued.

- 1147 elegans, Bielz.
 a. cerasina, Rossm.
 b. diabolena, Kim.
 c. insignis, Bielz.
 1148 straminicollis, Parr.
 a. occidentalis, Bielz.
 1149 plumbea, Rossm.
 a. cornea, A. Schm.
 b. pallida, Bielz.
 1150 regalis, Bielz.
 1151 angustata, Bielz.
 1152 bogatensis, Bielz.
(Triloba, Vest.)
 1153 sandri, Kstr.
 1154 macedonica, Rossm.
(Clausiliastra, Mollend.)
 1155 transsylvanica, Bielz.
 1156 parreyssi, Zieg.
 1157 marginata, Zieg.
 1158 fimbriata, Mhlf.
 a. pallida, Rossm.
 1159 laminata, Mont.
 a. albina, Pfr.
 b. pellucida, Bttg.
 1160 1 alpestris, Bielz.
 1161 2 dubiosa, Clessin.
 1162 3 targionii, De Step.
 1163 4 granatina, Zieg.
 1164 incisa, Kstr.
 1165 grossa, Zieg.
 1166 1 inæqualis, Zieg.
 1167 2 melanostoma, A. Schm.
 1168 costata, Zieg.
 1169 1 intermedia, A. Schm.
 1170 curta, Rossm.
 1171 1 fusiformis, Kstr.
 1172 commutata, Rossm.
 a. annexa, Parr.
 1173 1 ungulata, Zieg.
 1174 2 silesiana, Bttg.
 1175 3 fusca, De Betta.
 1176 4 cingulata, F. J. Schm.
 1177 5 granatina, F. J. Schm.
 1178 meisneriana, Shuttl.
 a. minor.
 1179 küsteri, Rossm.
 a. minor.
 1180 1 sancta, Paul.

Clausilia, Draparnaud.—continued.

- (*Clausiliastra, Mollend.*)—continued.
- 1181 porroi, Pfr.
 1182 comensis, Shuttl.
 1183 1 regnolii, De Step.
 1184 lucensis, Gentith.
 1185 orthostoma, Menke.
 1186 1 filiformis, Parr.
- (*Acrotoma, Bttg.*)
- 1187 semicincta, Bttg.
- (*Mentissa, Bttg.*)
- 1188 gracilicosta, Zieg.
 1189 1 acridula, Zieg.
 1190 detersa, Zieg.
- (*Euxina, Bttg.*)
- 1191 hetæra, Friw.
 1192 circumdata, Friw.
 1193 schwerzenbachi, Parr.
 1194 strumosa, Friw.
 1195 duboisi, Charp.
 1196 1 minor, A. Schm.
 1197 2 stomatica, West.
 1198 pleuroptychia, Bttg.
 1199 litotis, Parr.
 1200 1 suanetica, Bttg.
 1201 quadriplicata, Parr.
 1202 dipolauchen, Bttg.
 1203 pumiliformis, Bttg.
 1204 lederi, Bttg.
 1205 1 gradata, Bttg.
 1206 aggesta, Bttg.
 1207 strauchi, Bttg.
 1208 hübneri, Rossm.
 1209 ossetica, A. Schm.
 1210 1 derasa, Parr.
 1211 somchetica, Pfr.
 1212 tschetschenica, Pfr.
 1213 corpulenta, Friw.
 1214 mæsta, Fér.
 1215 1 hierosolymitana, Bgt.
- (*Alinda, Adams.*)
- 1216 plicata, Drap.
 a. implicata, Bielz.
 b. pallida, Bielz.
 1217 1 rustica, Zieg.
 1218 2 macilenta, Rossm.
 1219 3 transsylvanica, Mouss.
 1220 biplicata, Mont.
 a. abbreviata, Rossm.
 1221 1 crassilabris, Parr.

Clausilia, Draparnaud.—continued.

- (*Alinda, Adams.*)—continued.
- 1222 bohemica, Clessin.
- (*Idyla, Vest.*)
- 1223 thessalonica, Friw.
 1224 1 semidenticulata, Pfr.
 1225 2 crassilabris, Bttg.
 1226 spreta, Friw.
 1227 varnensis, Pfr.
 1228 pagana, Zieg.
 1229 1 bulgarica, Friw.
 1230 2 elongata, A. Schm.
 1231 rugicollis, Zieg.
 a. maxima.
 1232 1 carissima, Zieg.
 a. bella, Stentz.
 1233 oleata, Zieg.
 1234 1 serbiensis, Zeleb.
- (*Bitorquata, Bttg.*)
- 1235 torticollis, Oliv.
- (*Siciliaria, Vest.*)
- 1236 crassicostata, Ben.
 1237 leucophryne, Parr.
 1238 nobilis, Pfr.
 1239 grohmanniana, Partsch.
 1240 tiberiana, Ben.
 a. crassilabris, Bttg.
 1241 confinata, Ben.
 1242 septemplicata, Phil.
 1243 calcaræ, Phil.
 1244 1 adelinæ, Ben.
- (*Herilla, Ad.*)
- 1245 frauenfeldi, Zeleb.
 1246 dacica, Friw.
- (*Delima, Hartm.*)
- 1247 rugilabris, Mouss.
 1248 umbilicata, Bttg.
 1249 cattaroensis, Zieg.
 1250 kleciaki, West.
 1251 janinensis, Mouss.
 1252 gibbula, Zieg.
 1253 vulcanica, Ben.
 1254 lamellata, Zieg.
 1255 kobeltiana, Kstr.
 1256 sturmi, Kstr.
 1257 stigmatica, Zieg.
 1258 incerta, Ben.
 1259 maritima, Klec.
 1260 1 thiesseana, Bttg.
 1261 miles, Kstr.

Clausilia, Draparnaud.—continued.*(Delima, Hartm.)*—continued.

- 1262 pæstana, Phil.
 1263 piceata, Zieg.
 a. gracilior, Charp.
 1264 ornata, Zieg.
 1265 1 callosa, Zieg.
 1266 2 gracilis, Bttg.
 1267 itala, Mart.
 1268 1 punctata, Mich.
 1269 2 veranyi, Bourg.
 1270 3 brauni, Charp.
 1271 4 rubiginea, A. Schm.
 1272 5 spreafici, Pini.
 1273 6 baldensis, Parr.
 1274 leucensis, Villa.
 1275 costulata, Jan.
 1276 conspersa, Parr.
 1277 balsamoi, Strob.
 1278 1 ampolæ, Gredl.
 1279 stentzi, Rossm.
 1280 cincta, Brum.
 1281 1 rossmæssleri, Pfr.
 1282 2 funki, Kstr.
 1283 3 letochana, Gredl.
 1284 subcylindrica, Zieg.
 1285 substricta, Parr.
 1286 crenulata, Zieg.
 1287 fulcrata, Zieg.
 1288 tichobates, Parr.
 1289 sirkii, Parr.
 1290 pellucida, Pfr.
 1291 lævissima, Zieg.
 1292 1 superstructa, A. Schm.
 1293 2 pachygastris, Partsch.
 a. bulla, Parr.
 1294 tristrami, Pfr.
 1295 polygyra, Bttg.
 1296 semilabiata, Kutsch.
 1297 cusmichi, Kstr.
 1298 tenella, Parr.
 1299 robusta, Kstr.
 a. minor.
 1300 1 curzolena, Zieg.
 1301 muralis, Kstr.
 1302 vidovichii, Parr.
 1303 semirugata, Zieg.
 a. minor, West.
 1304 1 nitida, Mhlfd.
 1305 2 pygmæa, Zieg.

C

Clausilia, Draparnaud.—continued.*(Delima, Hartm.)*—continued.

- 1306 3 pristis, Klec.
 1307 4 fuscilabris, Klec.
 1308 5 frigida, Klec.
 1309 blaii, Möllend.
 1310 vibex, Rossm.
 a. minor.
 b. tumida.
 1311 1 planata, Parr.
 1312 albida, Parr.
 1313 crassilabris, Kstr.
 1314 1 fasciolata, Parr.
 1315 2 pharensis, Klec.
 1316 3 callida, Parr.
 1317 planilabris, Rossm.
 1318 bilabiata, Wagn.
 1319 alchingeri, Kstr.
 1320 1 magniventris, Kstr.
 1321 callifera, Kstr.
 1322 leucostoma, Kstr.
 1323 conspurcata, Jan.
 1324 1 subcrenata, A. Schm.
 1325 sebenicensis, Vid.
 1326 diaphana, Kstr.
 1327 pustulata, Kstr.
 1328 helenæ, Klec.
 1329 decipiens, Rossm.
 1330 1 dubia, Bttg.
 1331 pachystoma, Kstr.
 a. minor.
 1 grandis, A. Schm.
 1333 albocincta, Pfr.
 1334 latilabris, Wagn.
 1 signana, Kütsch.
 1336 divergens, Klec.
 1337 pachychila, Zieg.
 a. minor, West.
 b. albina.
 1338 gospiciensis, Zeleb.
 1339 archilabris, Kütsch.
 1 rosinæ, Klec.
 2 petrina, Parr.
 1342 opaca, Kstr.
 1343 blanda, Zieg.
 1344 sororia, Parr.
 1345 pfeifferi, Kstr.
 1346 binodata, Rossm.
 1 consentanea, Zieg.
 1348 satura, Zieg.

Clausilia, Draparnaud.—continued.*(Delima, Hartm.)*—continued.

- 1349 1 vexillaris, West.
 1350 2 narentana, Bttg.
 1351 gastrolepta, Zieg.
 1352 1 eugenia, West.
 1353 2 freyeri, Kstr.
 1354 biasoletiana, Charp.
(Dilataria, Vest.)
 1355 succineata, Zieg.
 1356 marchesetti, Stoss.
 1357 diodon, Stud.
 1358 thomasiana, Charp.
 1359 alpina, Stab.
(Medora, Vest.)
 1360 kutchigi, Kstr.
 1361 contracta, Rossm.
 1362 dalmatina, Partsch.
 a. minor, West.
 1363 1 epidaurica, Kutsch.
 1364 2 regina, Kutsch.
 1365 aquila, Parr.
 1366 leucopleura, Brus.
 1367 almissana, Kstr.
 a. minor, West.
 1368 graciliformis, Kutsch.
 1369 eris, A. Schm.
 1370 macarana, Zieg.
 1371 1 proxima, Hald.
 1372 stenostoma, Rossm.
 1373 carniolica, F. Schm.
 1374 brusinæ, Kutsch.
 1375 istriana, F. Schm.
 1376 punctulata, Kstr.
 1377 agnata, Partsch.
 1378 1 albescens, Menke.
 1379 2 intermedia.
 1380 3 minor, Zeleb.
 1381 lesinensis, Kutsch.
 1382 proxima, Waldf.
(Agathylla, Vest.)
 1383 sulcosa, Wagn.
 1384 1 diminuta, Parr.
 1385 2 cataphracta, Parr.
 1386 3 irregularis, Zieg.
 1387 formosa, Zieg.
 1388 strigillata, Mühlf.
 1389 armata, Kutsch.
 1390 lamellosa, Wagn.
 1391 regularis, Parr.

Clausilia, Draparnaud.—continued.*(Agathylla, Vest.)*—continued.

- 1392 1 waldendorffi, Parr.
 1393 goldi, Kutsch.
 1394 exarata, Zieg.
 a. minor, West.
(Albinaria, Vest.)
 1395 anatolica, Roth.
 1396 byzantina, Parr.
 1397 1 intermedia, A. Schm.
 1398 2 solidula, Parr.
 1399 glabella, Pfr.
 1400 strigata, Pfr.
 1401 1 acuticosta, Bttg.
 1402 2 centralis, Bttg.
 1403 3 occlusa, Bttg.
 1404 4 occidentalis, Bttg.
 1405 virginea, Pfr.
 1406 subvirginea, Bttg.
 1407 1 farcimen, Bttg.
 1408 cretensis, Mühlf.
 1409 1 sphakiota, Maltz.
 1410 troglodytes, Parr.
 1411 1 vexans, Bttg.
 1412 2 interpres, Schm.
 1413 sublamellosa, Bttg.
 1414 1 obliterateda, Bttg.
 1415 heteropteryx, Bttg.
 1416 tenuicostata, Pfr.
 1417 1 mitis, Bttg.
 1418 2 strictecostata, Bttg.
 1419 3 homalica, Bttg.
 1420 grabusana, Bttg.
 1421 1 humillima, Bttg.
 1422 amalthea, West.
 1423 1 similis, Bttg.
 1424 bipalatalis, Mart.
 1425 1 gracilior, Bttg.
 1426 candida, Pfr.
 1427 striata, Pfr.
 1428 arthuriana, Blanc.
 1429 hippolyli, Bttg.
 1430 xanthostoma, Bttg.
 1431 sericata, Pfr.
 1432 1 senex, Bttg.
 1433 2 albofilosa, Blanc.
 1434 profuga, Charp.
 1435 thiesseæ, Bttg.
 1436 lopedusæ, Calcara.
 1437 bigibbosa, Charp.

Clausilia, Draparnaud.—continued.*(Albinaria, Vest.)*—continued.

- 1438 brevicollis, Pfr.
 1439 1 superba, Bttg.
 1440 2 chalcidensis, Bttg.
 1441 itylensis, Bttg.
 1442 anaphiensis, Bttg.
 1443 cærulea, Fer.
 1444 1 birugosa, Parr.
 1445 2 tinorensis, Parr.
 1446 3 naxia, Bttg.
 1447 4 nia, Bttg.
 1448 5 antiparia, Bttg.
 1449 6 myconia, Bttg.
 1450 amorgia, Bttg.
 1451 altecostata, Zeleb.
 1452 compressa, Pfr.
 1453 moreletiana, Blanc.
 a. minor.
 1454 corona, Letour.
 1455 corrugata, Drap.
 1 homaloraphe, Bttg.
 2 draparnaldi, Beck.
 3 inflata, Oliv.
 a. gracilior.
 1459 spratti, Pfr.
 1460 venosa, Bttg.
 a. decollata, Bttg.
 1461 drakakisi, Maltz.
 1 centralis, Bttg.
 2 tenerrima, Bttg.
 1464 lerosiensis, Féér.
 1 latecostata, Bttg.
 1466 clara, Bttg.
 1 paucicosta, Bttg.
 1468 præclara, Pfr.
 1469 vermiculata, Bttg.
 1 megalostoma, Bttg.
 1471 teres, Oliv.
 1 hierapterana, Bttg.
 1472 2 phalangea, Bttg.
 a. minor.
 1474 3 subcostata, Bttg.
 a. minor, Bttg.
 1475 extensa, P.
 1476 1 orientalis, Bttg.
 a. maxima, Bttg.
 1477 carpathia, Bttg.
 a. minor.
 1478 1 armasinia, Bttg.

Clausilia, Draparnaud.—continued.*(Albinaria, Vest.)*—continued.

- 1479 2 famosa, Bttg.
 1480 olivieri, Roth.
 a. major.
 1481 turrata, Pfr.
 1482 distans, Pfr.
 1483 munda, Zieg.
 1484 1 coa, Bttg.
 1485 chia, Bttg.
 1486 1 endolichia, Bttg.
 1487 2 samia, Bttg.
 1488 3 submarginata, Bttg.
 1489 ungeri, Zeleb.
 1490 cristatella, Kstr.
 1491 maltzani, Bttg.
 1492 scopulosa, Parr.
 1493 glabricollis, Parr.
 1494 ionica, Parr.
 1495 conemonesi, Bttg.
 1 macrodera, Bttg.
 1497 hians, Bttg.
 1 sublactea, Bttg.
 1499 descolor, Pfr.
 1 inæquata, Blanc.
 1501 2 flammulata, Pfr.
 1502 grayana, Pfr.
 1503 goldfussi, Bttg.
 1504 messenica, Mart.
 1 brenskii, Bttg.
 1506 grisea, Desh.
 1507 kruperi, Zeleb.
 1 holostoma, Bttg.
 1509 dissipata, Bttg.
 1 furcilla, West.
 1511 maculosa, Desh.
 1512 arcadica, Bttg.
 1513 schuchi, Voith.
 1 oscari, Thiesse.
 1515 torifera, Bttg.
 1516 liebetruti, Charp.
 1517 incommoda, Bttg.
 1 muraria, A. Schm.
 1519 contaminata, Zieg.
 1 lactea, Zieg.
 2 odysseus, Bttg.
 3 obliqua, Menke.
 1523 nævosa, Féér.
 1524 castrensis, Parr.
 1525 corcyrensis, Mouss.

Clausilia, Draparnaud.—continued.

- (*Albinaria, Vest.*)—continued.
- 1526 epirotica, Mouss.
 1527 senilis, Zieg.
 1528 cinerascens, Kstr.
 1529 voithi, Rossm.
 1530 menelaos, Mart.
 1531 1 semicostulata, Bttg.
 1532 agesilaos, Mart.
 1533 1 agamemnon, Mouss.
 1534 eumeces, Bttg.
 1535 oertzeni, Bttg.
 1536 freytagi, Bttg.
 a. minor.
- (*Pseudalinda, Bttg.*)
- 1537 fallax, Rossm.
 1538 stabilis, Zieg.
 1539 montana, Stenz.
 a. viridana, Rossm.
 1540 1 jugularis, Bielz.
 1541 denticulata, Oliv.
 1542 1 nicaria, Bttg.
- (*Phædusa, Ad.*)
- 1543 perlucens, Bttg.
- (*Uncinaria, Vest.*)
- 1544 turgida, Zieg.
 a. elongata, Rossm.
 1545 elata, Zieg.
 1546 gulo, Rossm.
- (*Strigillaria, Vest.*)
- 1547 cana, Held.
 1548 1 transsylvanica, Bielz.
 1549 2 iostoma, A. Schm.
 1550 vetusta, Zieg.
 1551 1 festiva, Kstr.
 1552 2 striolata, Parr.
 1553 splendens, Charp.
- (*Cristataria, Vest.*)
- 1554 strangulata, Fér.
 1555 vesicalis, Friw.
 1556 colbeauxiana, Parr.
 1557 boissieri, Charp.
 1558 medlycotti, Tristram.
 1559 porrecta, Friw.
 1560 cylindrelliformis, Bourg.
- (*Oligoptychia, Bttg.*)
- 1561 gustavi, Bttg.
 1562 foveocollis, Parr.
 1563 vinosa, West.
 1564 bicristata, Rossm.

Clausilia, Draparnaud.—continued.

- (*Oligoptychia, Bttg.*)—continued.
- 1565 1 tetragonostoma, Pfr.
 1566 2 canaliculata, Pfr.
 a. major.
 1567 kephissæ, Roth.
 1568 1 pikermiana, Roth.
 1569 2 attica, A. Schm.
 1570 bourguignati, Charp.
 1571 castalia, Roth.
- (*Papillifera, Bttg.*)
- 1572 syracusana, Phil.
 1573 oscitans, Fér.
 1574 mamotica, Gulia.
 1575 isabellina, Pfr.
 1576 osculans, Mart.
 1577 coarctata, Mouss.
 1578 1 thiesseæ, Bttg.
 1579 blanci, Mart.
 1580 1 thebana, Blanc.
 1581 venusta, A. Schm.
 1582 thermopylarum, Pfr.
 1583 josephinae, Bttg.
 1584 leucorhaphæ, Blanc.
 1585 rubicunda, Kstr.
 1586 saxicola, Parr.
 1587 1 patula, Charp.
 1588 2 vespertina, West.
 1589 3 lunellaris, Pfr.
 1590 negropontina, Pfr.
 1591 1 costulata, Thiesse.
 1592 confusa, Bttg.
 1593 bæotica, Kstr.
 1594 vallata, Mouss.
 1595 leucostigma, Zieg.
 1596 1 candilabris, Porro.
 1597 2 opalina, Zieg.
 1598 candidescens, Zieg.
 1599 1 cinerea, Phil.
 1600 solida, Drap.
 1601 bidens, Lin.
 1602 brevissima, Ben.
 1603 virgata, Jan.
 1604 1 affinis, Phil.
 1605 2 lanceolata, Bourg.
 1606 3 mamertina, Ben.
- (*Gracillaria, Bielz.*)
- 1607 concilians, A. Schm.
 1608 1 undulata, Strobel.
 1609 2 ettingeri, Zeleb.

Clausilia, Draparnaud.—continued.*(Gracillaria, Bielz.)*—continued.

- 1610 corynodes, Held.
 1611 styriaca, A. Schm.
 1612 strobili, Porro.
 1613 filograna, Zieg.
(Laminifera, Bttg.)
 1614 pauli, Mab.
(Fusulus, Vest.)
 1615 varians, Zieg.
 a. diaphana, Zieg.
 1616 interrupta, Zieg.
 a. albina, Kstr.
(Erjavecia, Brus.)
 1617 bergeri, Mayer.
(Kuzmicia, Brus.)
 1618 exoptata, A. Schm.
 1619 villæ, Mühlf.
 1620 whateliana, Charp.
 1621 schmidti, Pfr.
 1 rablensis, Gall.
 1623 parvula, Stud.
 1624 delpretiana, Stef.
 1 pecchioli, Stef.
 1626 dubia, Drap.
 a. major.
 1 speciosa, A. Schm.
 1628 2 grimeri, Pfr.
 1629 3 vindobonensis, A. Schm.
 1630 4 transsylvanica, A. Schm.
 1631 5 gracilis, Pfr.
 1632 6 obsoleta, A. Schm.
 1633 7 gallica, Bgt.
 1634 tettelbachiana, Rossm.
 1635 grimmerii, Parr.
 1636 bidentata, Ström.
 1 septentrionalis, A. Schm.
 1638 2 amiatae, Mart.
 1639 3 meridionalis, Fagot.
 1640 rugosa, Drap.
 1 redoubi, Drap.
 1642 2 pyrenaica, Charp.
 3 crenulata, Risso.
 1644 subuliformis, Kstr.
 1 moniziana, Lowe.
 1646 cruciata, Stud.
 a. minima, A. Schm.
 1647 1 gracilis, A. Schm.
 a. densestriata, West.
 1648 pumila, Zieg.

Clausilia, Draparnaud.—continued.*(Kuzmicia, Brus.)*—continued.

- a.* succosa, A. Schm.
 1649 sejuncta, West.
 1650 fagotiana, Bourg.
 1651 penchinati, Bourg.
(Pirostoma, Vest.)
 1652 ventricosa, Drap.
 1653 1 latestriata, Brus.
 1654 rolphi, Leach.
 1655 tumida, Zieg.
 1656 lineolata, Held.
 1 tenuistriata, Pini.
 1658 2 basileensis, Fitz.
 a. modulata, Zieg.
 1659 asphaltina, Zieg.
 1660 carinthiaca, A. Schm.
 1661 mucida, Z.
 1 eggeriana, Frfld.
 1663 2 fontana, F. J. Schm.
 1664 badia, Zieg.
 1665 plicatuta, Drap.
 1 superflua, Meg.
 2 cruda, Zieg.
 3 nana, Zieg.
 1669 latestriata, Bielz.
 1670 densestriata, Zieg.
(Olympia, Vest.)
 1671 olympica, Friw.
(Micropontica, Bttg.)
 1672 closta, Bttg.
 1673 circassia, Bttg.
 1674 retowskii, Bttg.
(Serrulina, Mouss.)
 1675 sieversi, Pfr.
 1676 serrulata, Midd.
 1677 semilamellata, Mouss.

*Fam. V.—Stenogyridæ.***Stenogyra, Shuttleworth.**

- 1678 decollata, Lin.
 1679 1 truncata, Zieg.

Cionella, Jeffreys.*(Zua, Leach.)*

- 1680 lubrica, Müll.
 a. nitens, Kok.
 1681 1 collina, Drouet.
 1682 2 exigua, Menke.
 1683 3 columna, Clessin.
 1684 incerta, Ben.

Cionella, Jeffreys.—continued.

- (*Azecca, Leach.*)
- 1685 tridens, Pult.
 1686 1 nouletiana, Dup.
 1687 2 alzenensis, St. Sim.
 1688 mabilliana, Fagot.
 (*Hypnophila, Bourg.*)
 1689 cylindracea, Calcara.
 1690 emiliana, Ben.
 1691 pupæformis, Cantr.
 (*Calaxis, Bourg.*)
 1692 hierosolymarum, Roth.
 1693 moussoniana, Bourg.
 (*Ferussacia, Risso.*)
 1694 folliculus, Gronov.
 1695 vescoi, Bourg.
 a. lanceolata, Bourg.
 1696 gronoviana, Risso.
 1697 amblya, Fér.
 1698 forbesi, Bourg.
 1699 procerula, Morel.
 1700 eremiophila, Bourg.
 1701 agræcia, Bourg.
 1702 lamellifera, Morel.
 1703 dactylophila, Iss.
 1704 charopia, Iss.
 1705 sciaphila, Bourg.
 1706 ennychia, Bourg.
 1707 terveri, Bourg.
 1708 gracilenta, Morel.
 (*Coelestele, Benson.*)
 1709 raphidia, Bourg.
 (*Hohenwarthia, Bourg.*)
 1710 hohenwarthi, Rossm.
 1711 bourguignatiana, Ben.
 1712 thamnophila, Bourg.
 1713 moitessieri, Bourg.
 1714 actoniana, Ben.
 1715 gemellariana, Ben.
 1716 tiberiana, Ben.
 1717 biondina, Ben.
 1718 rizzeana, Ben.
 1719 maltzani, Clessin.
 1720 eucharista, Bourg.
 1721 aradasiana, Ben.
 1722 walteri, Bttg.
 (*Cæcilianella, Bourg.*)
 1723 acicula, Müll.
 1724 1 liesvillei, Bourg.
 1725 jani, De Betta.

Cionella, Jeffreys.—continued.

- (*Cæcilianella, Bourg.*)—continued.
- 1726 petitiana, Ben.
 1727 1 cretica, Bourg.
 1728 brondeli, Bourg.
 1729 letourneuxi, Bourg.
 1730 poupillieri, Bourg.
 1731 tumulorum, Bourg.
 1732 nanodea, Bourg.

Fam. VI.—Succineidæ.
Succinea, Draparnaud.
 1733 putris, Lin.
 1734 1 olivula, Baudon.
 1735 2 limnoidea, Pic.
 1736 3 clessiniana, Hazay.
 1737 4 angusta, Hazay.
 1738 5 extensa, Baudon.
 1739 6 charpentieri, Dum. and Mort.
 1740 7 subglobosa, Pascal.
 1741 8 fontana, Hazay.
 1742 9 acuta, Hazay.
 1743 parvula, Pascal.
 1744 baudoni, Drouët.
 1745 1 acrambleia, Mabile.
 1746 hungarica, Hazay.
 1747 megalonyxia, Bourg.
 1748 elegans, Risso.
 1 piniana, Hazay.
 2 pleuralauca, Letour.
 3 levantina, Desh.
 4 longiscata, Morel.
 1752 lenta, West.
 1753 debilis, Morel.
 1754 pfeifferi, Rossm.
 1 recta, Baudon.
 2 propinqua, Baudon.
 3 ochracea, De Betta.
 4 mediolanensis, Villa.
 5 baudoniana, Hazay.
 6 contortula, Baudon.
 1762 oblonga, Drap.
 1 agonostoma, Küster.
 1764 groenlandica, Beck.
 1765 humilis, Drouët.
 1766 arenaria, Bouch.
 1767 valcourtiana, Bourg.
 1768 fagotiana, Bourg.

*Sub-Order II.—Gehydrophila.**Fam. Auriculidæ.***Carychium, Müller.**

- 1769 minimum, Müll.
 1770 tridentatum, Risso.
 1771 striolatum, Bourg.
 1772 lederi, Bttg.

Zospeum, Bourguignat.

- 1773 spelæum, Rossm.
 1774 lautum, Frfld.
 1775 1 pulchellum, Freyer.
 1776 reticulatum, Hauffen.
 1777 obesum, F. Schm.
 1778 frauenfeldi, Freyer.
 1779 alpestre, Freyer.
 1779* costatum, Freyer.

*Sub-Order III.—Hygrophila.**Fam. I.—Limnæidæ.***Amphipeplea, Nilsson.**

- 1780 glutinosa, Müll.

Limnæa, Lamarck.

- 1781 stagnalis, Lin.
 1782 1 variegata, Hazay.
 1783 2 colpodia, Bourg.
 1784 3 armeniaca, West.
 1785 4 lacustris, Studer.
 1786 5 fragilis, Lin.
 monst. sinistrorsa.
 1787 auricularia, Lin.
 1788 1 hartmanni, Charp.
 1789 ampla, Hartmann.
 1790 mucronata, Held.
 1791 1 rosea, Gallenst.
 1792 martorelli, Bourg.
 1793 lagotis, Schm.
 1794 1 acutalis, Morel.
 1795 2 tenera, Kustr.
 1796 3 sandrii, Kustr.
 1797 ovata, Drap.
 1798 1 piniana, Hazay.
 1799 2 fluminensis, Clessin.
 1800 3 membranacea, Porro.
 1801 4 intermedia, Fér.
 1802 5 microcephala, Kustr.

Limnæa, Lamarck. —continued.

- 1803 6 glacialis, Boubée.
 1804 7 balthica, Lin.
 1805 burnetti, Alder.
 1806 involuta, Harvey.
 1807 peregra, Müll.
 1808 1 elongatissima, Gredl.
 1809 2 marginata, Mich.
 1810 3 croatica, Zieg.
 1811 4 rimata, Braun.
 1812 5 decollata, Zieg.
 1813 6 solidula, Hartm.
 1814 7 nitida, Zieg.
 1815 8 æthiopica, De Betta.
 1816 9 gibilmannica, Da Costa.
 1817 10 thermalis, Boubée.
 1818 11 curta, Clessin.
 1819 12 frisia, Friedler.
 1820 13 nivalis, Pini.
 1821 14 callosa, Zieg.
 1822 15 tenera, Parr.
 1823 16 oxyana, Bttg.
 1824 17 lacustris, Leach.
 1825 18 acuminata, Jeff.
 1826 19 intermedia, Ferr.
 1827 20 labiosa, Jeff.
 1828 21 picta, Jeff.
 1829 22 succineæformis, Jeff.
 monst. sinistrorsa.
 1830 palustris, Müll.
 1831 1 fusca, C. Pfr.
 1832 2 clessiniana, Hazay.
 1833 3 corvus, Gmel.
 1834 4 elongata, Jeff.
 1835 5 tinctoria, Jeff.
 1836 6 conica, Jeff.
 1837 turricola, Held.
 1838 taurica, Clessin.
 1839 parvula, Hazay.
 1840 glabra, Müll.
 1841 1 elongata, Jeff.
 1842 vahlii, Beck and Moll.
 1843 holbölli, Beck and Moll.
 1844 truncatula, Müll.
 1845 1 schneideri, B. Esm.
 1846 2 thiesseæ, Clessin.
- Choanomphalus, Gerstfeld.**
- 1847 maachi, Gerst.
 1848 schrenki, Dyb.

Planorbis, Guettard.

- 1849 corneus, Lin.
 a. albus.
 b. minor.
 1850 elophilus, Bourg.
 1851 1 banaticus, Lang.
 1852 2 ammonoceras, West.
 1853 metidjensis, Forbes.
 1854 1 dufouri, Graëlls.
 1855 umbilicatus, Müll.
 a. major, Br.
 b. submarginatus, Jan.
 c. albida, Jeff.
 1856 1 subangulatus, Phil.
 1857 2 rhombea, Turton.
 monst. turriculata.
 1858 atticus, Bourg.
 1859 carinatus, Müll.
 1860 1 dubius, Hartm.
 1861 vortex, Lin.
 1862 1 discus, Parr.
 1863 vorticulus, Troschel.
 1864 charteus, He'd.
 1865 1 pauluccianus, Caroti.
 1866 spirorbis, Lin.
 1867 1 hazayanus, Clessin.
 1868 leucostoma, Mell.
 a. septemgyratus, Dup.
 1869 contortus, Lin.
 a. labiatus, West.
 1870 dispar, West.
 1871 albus, Müll.
 1872 agraulus, Bourg.
 1873 piscinarum, Bourg.
 1874 polaris, West.
 1875 borealis, Lovén.
 1876 rossmæssleri, Auersw.
 1877 glaber, Jeff.
 1878 tetragyrus, West.
 1879 limophilus, West.
 1880 lemniscatus, Hartm.
 1881 concinnus, West.
 1882 deformis, Hartm.
 1883 1 cavatus, West.
 1884 crista, Lin.
 1885 nautilus, Lin.
 1886 complanatus, Lin.
 1887 riparius, West.
 1888 nitidus, Müll.
 1889 1 clessini, West.

Ancylus, Geoffroy.

- 1890 gibbosus, Bourg.
 1891 fluviatilis, Müll.
 1892 1 simplex, Bourg.
 1893 2 gibbosus, Bourg.
 1894 3 albidus, Jeff.
 1895 capuloides, Jan.
 1896 orbicularis, Held.
 1897 costulatus, Küst.
 1898 1 costatus, Fér.
 1899 2 strigatus, Parr.
 1900 pileolus, Fér.
 1901 lacustris, Lin.

*Fam. II.—Physidæ.***Physa, Draparnaud.**

- 1902 fontinalis, Lin.
 a. albina, Jeff.
 1903 acuta, Drap.
 a. brevispirata, Paul.
 b. castanea, M. Tand.
 1904 1 fusca, Rossm.
 1905 2 subopaca, Lamk.
 1906 hypnorum, Lin.
 1907 contorta, Mich.

Order II.—Prosobranchiata.*Sub-Order I.—Pectinibranchiata.**TÆNIOGLOSSA.**Fam. I.—Acmidæ.***Acme, Hartmann.**

- 1908 polita, Hartm.
 1909 cryptomena, Folin.
 1910 foliniana, G. Nevill.
 1911 gracilis, Clessin.
 1912 lineata, Drap.
 1913 moussoni, Bttg.
 1914 spectabilis, Rossm.
 1914* stussineri, Bttg.

*Fam. II.—Cyclophoridæ.***Cyclotus, Guilding.**

- 1915 sieversi, Pfr.

Pomatias, Studen.

- 1916 lederi, Bttg.
 1917 scalarinus, Villa.

Pomatias, Studer.—continued.

1918	villæ, Stoss.
1919	hirci, Stoss.
1920	elegans, Clessin.
1921	cinerascens, Rossm.
1922	striolatus, Porro.
1923	apricus, Mousson.
1924	canestrini, Adami.
1925	hispanicus, Bourg.
1926	nouleti, Dup.
1927	arriacus, St. Sim.
1928	berilloni, Fagot.
1929	letourneuxi, Bourg.
1930	obscurus, Drap.
1931	crassilabris, Dup.
1932	fagoti, Bourg.
1933	spelæus, Fagot.
1934	hidalgoi, Crosse.
1935	partioti, M. Tand.
1936	lapurdensis, Fagot.
1937	paladilhianus, St. Simon.
1938	septemspiralis, Raz.
1939	1 heydenianus, Clessin.
1940	auritus, Ziegl. a. major.
1941	tesselatus, Wieg.
1942	hellenicus, Bourg.
1943	dionysi, Paul.
1944	maresi, Letour.
1945	gracilis, Küst.
1946	martensianus, Mlldff.
1947	croaticus, Zeleb.
1948	patulus, Drap.
1948*	tergestinus, West.
1949	macei, Bourg.
1950	villæ, Spin.
1951	gredleri, West.
1952	pinianus, Bourg.
1953	agriotes, West.
1954	elongatus, Paul.
1955	elegantissimus, Paul. 1 turriculus, Paul.
1956	eupleurus, Bourg.
1957	nanus, West.
1958	clessini, Stoss.
1959	protractus, Zieg.
1960	philippianus, Gredl.
1961	porroi, Strob.
1962	henricæ, Strob.
1963	plumbeus, West.
1964	

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Fam. III.—Cyclostomatidæ.**Cyclostoma, Draparnaud.**

1965	olivieri, Sow.
1966	costulatum, Zieg.
1967	1 hyrcanum, Mart.
1968	glaucum, Sow.
1969	elegans, Müll.
1970	sulcatum, Drap.
1971	1 reticulatum, Zieg.
1972	2 multisulcatum, Pot. and Mich.
1973	melitense, Sow.
1974	ferrugineum, Lamk.
1975	mamillare, Lamk.

Fam. IV.—Paludinidæ.**Paludina, Lamarck.**

1976	contacta, Mill. a. inflata, Villa.
1977	1 crystallina, Gray.
1978	mamillata, Kstr.
1979	hungarica, Hazay.
1980	pyramidalis, Christ. and Jan.
1981	vivipara, Lin.
1982	atra, Christ. and Jan.
1983	duboisiana, Mouss.
1984	1 okaensis, Clessin.
1985	hellenica, Clessin.

Cleopatra, Troschel.

1986	bulimoides, Olivi. a. trifasciata, Parr.
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Fam. V.—Hydrobiidæ.**Bythinia, Leach.**

1987	tentaculata, Lin.
1988	1 ventricosa, Menke.
1989	2 excavata, Jeffer.
1990	3 bottnica, Anders.
1991	4 thermalis, Hazay.
1992	proxima, Frfld.
1993	leachi, Shepp.
1994	troscheli, Paasch. 1 græca, West.
1995	celtica, Bourg.
1996	boissieri, Charp.
1997	1 segestana, Ben.
1998	majewskyi, Parr.
1999	orsini, Charp.
2000	rubens, Mouss.
2001	badiella, Parr.
2002	

Paludinella, C. Pfeiffer.

- (*Paladilhia, Bourg.*)
- 2003 conica, Palad.
 2004 robiciana, Clessin.
- (*Hydrobia, Hartm.*)
- 2005 kutschigi, Kust.
 2006 gagatinella, Parr.
 2007 achaja, Clessin.
 2008 thiesseæ, Clessin.
 2009 gracilis, Morel.
 2010 consociella, Frfld.
 2011 longiscata, Bourg.
 2012 aponensis, Mart.
- (*Bythiospeum, Bourg.*)
- 2013 pellucida, Benz.
 2014 clessini, Weinkl.
 2015 turrita, Clessin.
 2016 gracilis, Clessin.
- (*Belgrandia, Bourg.*)
- 2017 gibba, Drap.
 2018 delpretiana, Paul.
 2019 lusitanica, Palad.
 2020 thermalis, Lin.
 2021 gibberula, Palad.
 2022 bourguinati, St. Sim.
- (*Bythinella, Mog. Tand.*)
- 2023 bicarinata, Des Moul.
 2024 vitrea, Drap.
 2025 guranensis, Palad.
 2026 ferussina, Des Moul.
 2027 abbreviata, Mich.
 2028 reyniesi, Dup.
 2029 canaliculata, Palad.
 2030 cylindrica, Parr.
 2031 austriaca, Frfld.
 2032 charpentieri, Roth.
 2033 dunkeri, Frfld.
 2034 opaca, Zieg.
 2035 etrusca, Palad.
 2036 hungarica, Hazay.
 2037 brevis, Drap.
 2038 saxatilis, Reyn.
 2039 elliptica, Palad.
 2040 lacheineri, Charp.
 2041 1 fontinalis, Kok.
 2042 2 alpestris, Villa.
 2043 minutissima, J. F. Schm.
 2044 parreyssi, Pfr.
 2045 nana, Terv.
 2046 elachista, Bourg.

Paludinella, C. Pfeiffer.—continued.

- (*Bythinella, Mog. Tand.*)—continued.
- 2047 welebitana, Clessin.
 2048 eurystoma, Palad.
 2049 servainiana, Bourg.
 2050 armoricana, Palad.
 2051 schmidti, Charp.
 a. prasina, J. F. Schm.
 b. psittacina, J. F. Schm.
- 2052 1 bavarica, Clessin.
 2053 2 cyclolabris, Rossm.
 2054 tornensis, Hazay.
 2055 heynemanniana, Hazay.
 2056 viridis, Poir.
 2057 utriculus, Palad.
- (*Pseudamnicola, Paul.*)
- 2058 anatina, Drap.
 2059 similis, Drap.
 2060 lanceolata, Palad.
 2061 bonelliana, De Stef.
 2062 prætutiorum, Palad.
 2063 lucensis, Stab.
 2064 salinesii, Phil.
 2065 vestita, Ben.
 2066 moussoni, Calc.
 2067 raddei, Bttg.
 2068 conovula, Parr.
 2069 macrostoma, Kstr.
 2070 seminulum, Parr.
 2071 tritonum, Bourg.
 2072 marginata, West.
 2073 stossichi, Clessin.
 2074 negropontina, Clessin.
 2075 pannonica, Frfld.
 2076 dupotetiana, Forbes.
- Lithoglyphus, Mühlensfeldt.**
- 2077 naticoides, Fér.
 2078 1 apertus, Kstr.
 2079 fluminensis, Sadler.
 2080 prasinus, Kok.
 2081 pygmæus, Frfld.
 2082 carinatus, Kok.
 2083 pannonicus, Frfld.
 2083* fuscus, Zieg.
 2083† affinis, Frfld.
- Pyrgula, Cristofori and Jan.**
- 2084 annulata, Lin.
 2085 thiesseana, Godet.

Emmericia, Brusina.

- 2086 patula, Brum.
a. detrita.
 2087 klecachi, Bourg.
 2088 ventricosa, Kutsch.
 2089 narentina, Klecak.
 2090 expansilabris, Mhlf.

*Fam. VI.—Melaniidæ.***Melania, Lamarck.**

- 2091 tuberculata, Müll.
 2092 1 fasciolata, Oliv.
 2093 2 rubropunctata, Tristram.
 2094 holandri, Fér.
 2095 1 elegans, Schm.
 2096 2 coronata, Kstr.
 2097 3 afra, Zieg.
 2097* 4 lævigata, Rossm.
 2098 5 agnata, Zieg.
 2099 parvula, Schm.

Melanopsis, Férussac.

- 2100 acicularis, Fér.
 2101 1 cornea, Fér.
 2102 esperi, Fér.
 2102* 1 pilariana, Bourg.
 2103 audebardi, Prevost.
 2104 præmorsa, Lin.
 2105 buccinoidea, Oliv.
 2106 1 eremita, Tristram.
 2107 2 ammonis, Tristram.
 2108 3 variabilis, Phil.
 2109 4 ferussaci, Roth.
 2110 5 maroccana, Chem.
 2111 6 mingrellica, Bayer.
 2112 costata, Oliv.
 2113 1 kindermanni, Frfld.
 2114 saulcyi, Bourg.
 2115 mauritanica, Bourg.
 2116 parreyssi, Mühlf.
 2117 nodosa, Fér.
 2118 1 jordanica, Roth.
 2119 lævigata, Lamk.
 2120 dufouri, Fér.
 2121 graellsii, Villa.
 2122 lorcana, Guirao.
 2123 1 etrusca, Villa.
 2124 cariosa, Lin.
 2125 1 costellata, Fér.
 2126 insignis, Parr.

*Fam. VII.—Valvatidæ.***Valvata, Müller.**

- 2127 antiqua, Sow.
 2128 piscinalis, Müll.
 2129 tolosana, St. Sim.
 2130 fluviatilis, Colbeau.
 2131 alpestris, Blauner.
 2132 saulcyi, Bourg.
 2133 minuta, Drap.
 2134 baicalensis, Gerstf.
 2135 macrostoma, Steenb.
 2136 cristata, Müll.

*Sub-Order II.—Scutibranchiata.**RHIPIDOGLOSSA.**Fam. I.—Hydrocenidæ.***Hydrocena, Parreyss.**

- 2137 cattaroensis, Pfr.

*Fam. II.—Neritidæ.***Neritina, Lamarck.**

- 2138 nilotica, Reeve.
 2139 jordani, Sow.
 2140 1 interposita, Mouss.
 2141 anatolica, Recl.
a. bellardii, Mouss.
 2142 macrii, Recl.
a. michonii, Bourg.
 2143 danubialis, Mhlf.
 2144 1 strangulata, Mhlf.
 2145 2 carinata, Kok.
 2146 3 serratilinea, Zieg.
 2147 4 chrysostoma, Kutsch.
 2148 fluviatilis, Lin.
 2149 1 halophila, Klett.
 2150 2 littoralis, Lin.
 2151 3 thermalis, Boubée.
 2152 4 subthermalis, Bourg.
 2153 5 zebrina, Recl.
a. pyrenaica, M. Tand.
 2154 6 rhodocolpus, Jan.
a. trifasciata, Menke.
b. ticinensis, Villa.
c. intexta, Villa.
 2155 7 pustulata, Parr.
 2156 8 penchinati, Aler.
 2157 9 salonitina, Lin.
 2158 10 dalmatica, Partsch.

Neritina, Lamarck.—continued.

- a. expansa*, Wald.
b. fusca, Wald.
 2159 transversalis, Zieg.
 2160 1 castanea, Zel.
 2161 liturata, Eichw.
 2162 varia, Zieg.
 2163 meridionalis, Phil.
 a. nigrocærulea, Parr.
 2164 prevostiana, Partsch.
 2165 bætica, Lamk.
 2166 sardoa, Menke.
 2167 peloponnesia, Recl.
 2168 numidica, Recl.
 2169 elongatula, Morel.
 1 violacea, Morel.
 2 inquinata, Morel.
 2171 guadianensis, Morel.
 2173 1 velascoi, Graells.
 2174 2 valentina, Graells.

Class II.—PELECYPODA.**Order I.—Tetrabranhia.***Sub-Order I.—Mytilacea.**Fam. Mytilidæ.***Dreissena, Van Beneden.**

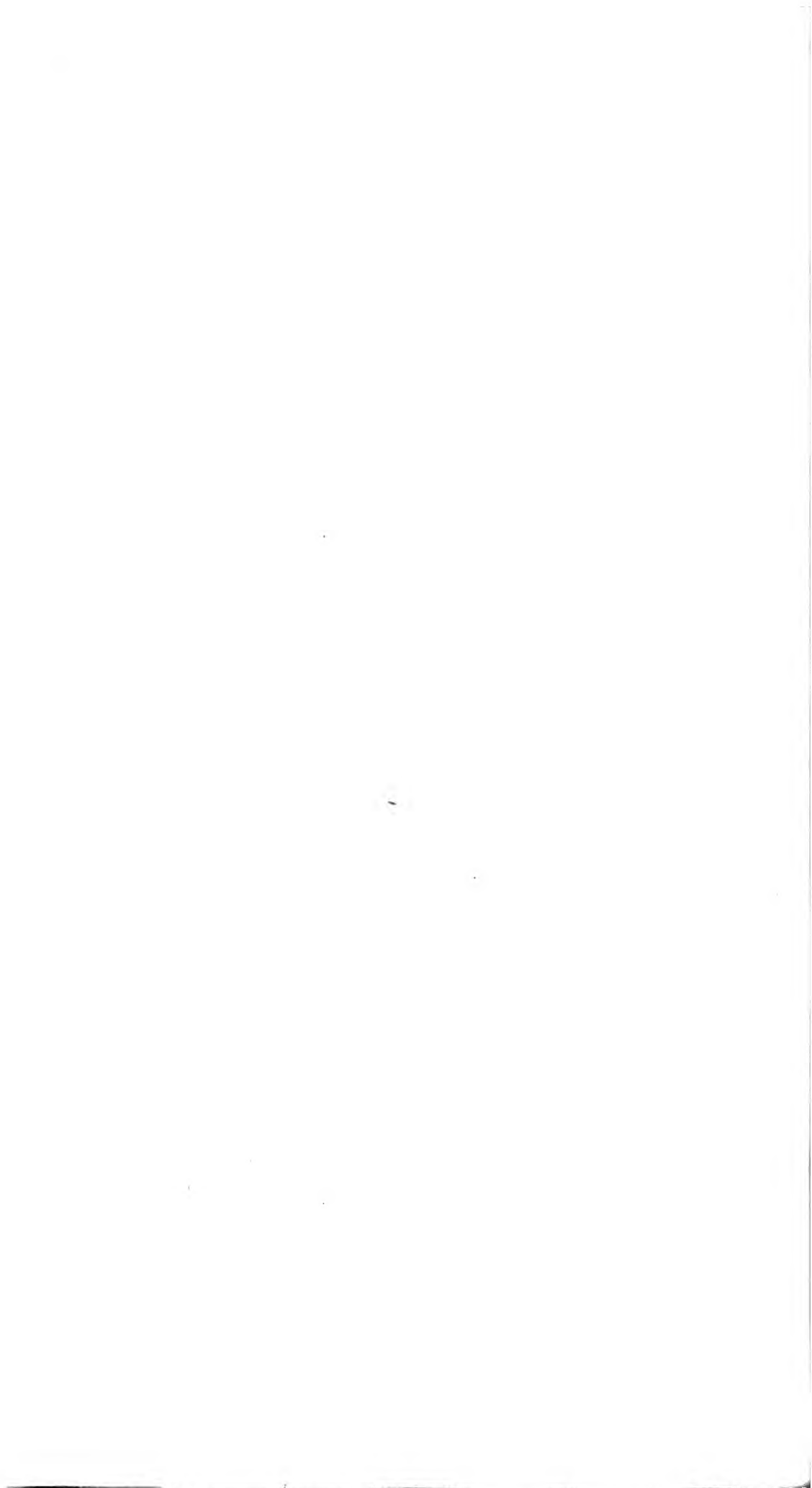
- 2175 polymorpha, Pallas.
 2176 cochleata, Kickx.

*Sub-Order II.—Submytilacea.**Fam. Unionidæ.***Unio, Retzius.**

- 2177 littoralis, Lamk.
 a. crassicostatus.
 b. rugosus.
 2178 elongatus, Dup.
 2179 umbonatus, Rossm.
 2180 minor, Rossm.
 2181 pianensis, Farines.
 2182 macCarthyanus, Bourg.
 2183 acarnanicus, Kob.
 2184 crassus, Retz.

Unio, Retzius.—continued.

- 2185 ater, Nills.
 2186 1 intermedius, Rossm.
 2187 2 consentaneus, Zieg.
 2188 reniformis, Schm.
 2189 batavus, Nills.
 2190 1 riparius, C. Pfr.
 2191 2 rivularis, Rossm.
 2192 3 amnicus, Zieg.
 2193 4 nanus, Lamk.
 2194 5 carinthiacus, Zieg.
 2195 6 piscinalis, Zieg.
 2196 7 parvidens.
 2197 8 pusillus, Rossm.
 2198 9 gangrenosus, Zieg.
 2199 decurvatus, Rossm.
 1 atrovirens, Schm.
 2201 subtilis, Drouet.
 2202 durieui, Desh.
 2203 mingrelicus, Drouet.
 2204 sieversi, Drouet.
 2205 ægyptiacus, Call.
 2206 byzantinus, Parr.
 2207 vescoi, Bourg.
 2208 desectus, Drouet.
 2209 vicarius, West.
 2210 moquinianus, Dup.
 2211 capigliolo, Parr.
 1 bandinii, Kstr.
 2213 sandrii, Villa.
 1 sericatus, Rossm.
 2 truncatulus, Drouet.
 2216 elongatulus, Mühlf.
 1 ceratinus, Drouet.
 2 dalmaticus, Drouet.
 2219 pictorum, Lin.
 2220 limosus, Nills.
 2221 ponderosus, Spitz.
 2222 longirostris, Zieg.
 2223 graniger, Zieg.
 2224 platyrhynchus, Rossm.
 2225 rostratus, Mich.
 2226 requienii, Mich.
 2227 rousi, Dup.
 2228 aleroni, Comp.
 2229 arduasianus, Reyn.
 2230 robustus, Villa.
 2231 spinelli, Villa.
 2232 lawleyanus, Gentil.
 2233 aradæ, Phil.



Unio, Retzius.—continued.

- 2234 gargottæ, Phil.
 2235 turtoni, Payr.
 2236 valentinus, Rossm.
 2237 moreleti, Desh.
 2238 mucidus, Morel.
 2239 dactylus, Morel.
 2240 pallens, Parr.
 2241 tumidus, Retz.
 2242 1 mülleri, Rossm.
 2243 2 zelebori, Parr.
 2244 3 decurvatus.
 2245 4 corrosus.
 2246 terminalis, Bourg.
 2247 1 tristrami, Loc.

Margaritana, Schumacher.

- 2248 margaritifera, Retz.
 2249 1 tristis, Morel.
 2250 bonellii, Fér.
 2251 1 variabilis.

Mutela, Scopoli.

- 2252 nilotica, Fér.

Anodonta, Cuvier.

- 2253 cygnea, Lin.
 2254 1 intermedia, C. Pfr.
 2255 cellensis, Gmel.
 2256 1 ponderosa, Kob.
 2257 rostrata, Kok.
 2258 piscinalis, Nilss.
 2259 1 ponderosa, C. Pfr.
 2260 2 anatina, Lin.
 2261 cyrea, Drouet.
 2262 truncata, Kutsch.
 2263 melinia, Bourg.
 2264 leprosa, Parr.
 2265 exulcerata, Villa.
 2266 gravida, Drouet.
 2267 complanata, Zieg.
 2268 1 coarctata, Pot. and Mich.

Sub-Order.—Conchacea.**Fam.—Cyrenidæ.****Sphærium, Scopoli.**

- 2269 rivicola, Leach.
 2270 solidum, Nord.
 2271 corneum, Lin.
 2272 nucleus, Stud.
 2273 scaldianum, Nord.
 2274 pisidoides, Gray.
 2275 draparnaldi, Clessin.
 2276 pallidum, Gray.
 2277 lacustre, Müll.
 2278 steinii, A. Schm.
 2279 ryckholti, Nord.
 2280 creplini, Dunker.

Pisidium, C. Pfeiffer.

- 2281 amnicum, Müll.
 2282 1 elongatum, Baud.
 2283 supinum, A. Schm.
 2284 henslowianum, Shepp.
 2285 milium, Held.
 2286 1 normandianum, Dup.
 2287 pulchellum, Jenyns.
 2288 globulare, Clessin.
 2289 obtusale, C. Pfr.
 2290 1 personatum, Malm.
 2291 intermedium, Gass.
 2292 nitidum, Jenyns.
 2293 rivulare, Clessin.
 2294 fossarinum, Clessin.
 2295 1 acuminatum, West.
 2296 heldreichii, Clessin.
 2297 casertanum, Poli.
 2298 italicum, Clessin.
 2299 roseum, Scholz.
 2300 lenticulare, Nord.

Corbicula, Mühlfeldt.

- 2301 fluminalis, Müll.
 2302 1 fluviatilis, Clessin.
 2303 2 crassula, Mouss.
 2304 3 oxiana, Bttg.

MOLLUSA OF THE MADEIRAN PROVINCE.

Class I.—GASTROPODA.

Order I.—Pulmonata.

Sub-Order I.—Geophila.

Fam. I.—Testacellidæ.

Testacella, Cuvier.

- (1) maugéi, Fér.

Fam. II.—Limacidæ.

Vitrina, Draparnaud.

- 2305 ruivensis, Couth.
-
- 2306 marcida, Gould.
-
- 2307 lamarckii, Fér.
-
- 2308 nitida, Gould.

Hyalina, Gray.

- (Radiohus, Woll.)
-
- 2309 volutella, Pfr.
-
- 2310 miguelina, Pfr.
-
- (Lucilla, Lowe.)
-
- (104) cellaria, Müll.
-
- (Crystallus, Lowe.)
-
- (62) crystallina, Müll.
-
- (Helicella, Beck.)
-
- 2311 atlantica, Morel.

Fam. III.—Helicidæ.

Patula, Held.

- (Iulus, Woll.)
-
- 2312 deflorata, Lowe.
-
- (Janulus, Lowe.)
-
- 2313 bifrons, Lowe.
-
- 2314 stephanophora, Desh.
-
- (Patula, Lowe.)
-
- 2315 gueriniana, Lowe.
-
- (207) rotundata, Müll.
-
- (Pyramidula, Fitz.)
-
- (203) pygmæa, Drap.
-
- (Acanthinula, Beck.)
-
- 2316 pusilla, Lowe.

Helix, Linné.

- (Vallonia, Risso.)
-
- (220) pulchella, Müll.
-
- (Campylæa, Beck.)
-
- 2317 lowei, Fér.
-
- 2318 portosanctana, Sow.
-
- (Cryptaxis, Lowe.)
-
- 2319 leonina, Lowe.
-
- 2320 undata, Lowe.
-
- (Katostoma, Lowe.)
-
- 2321 psammophora, Lowe (foss.).
-
- 2322 phlebophora, Lowe.
-
- 2323 I nivosa, Sow.
-
- (Iberus, Montf.)
-
- 2324 wollastoni, Lowe.
-
- (Mitra, Alb.)
-
- 2325 webbiana, Lowe.
-
- 2326 cuticula, Shuttl.
-
- 2327 chrysomela, Pfr. (foss.)
-
- 2328 membranacea, Lowe.
-
- 2329 furva, Lowe.
-
- 2330 bollei, Alb.
-
- 2331 leptostyla, Lowe.
-
- 2332 erubescens, Lowe.
-
- 2333 I hyæna, Lowe.
-
- 2334 advena, W. and B.
-
- 2335 sarta, Alb.
-
- (Pomatia, Beck.)
-
- 2336 subplicata, Sow.
-
- (Hemicycla, Sow.)
-
- 2337 sarcostoma, W. and B.
-
- 2338 pouchet, Fér.
-
- 2339 modesta, Fér.
-
- 2340 plicaria, Lamk.
-
- 2341 consobrina, Fér.
-
- (Helicomela, Lowe.)
-
- 2342 bowdichiana, Sow. (foss.)
-
- 2343 punctulata, Sow.
-
- (Euparypha, Hartm.)
-
- (470) pisana, Müll.
-
- 2344 I macandrewii, Pfr.
-
- 2345 2 ustulata, Lowe.
-
- 2346 3 grasseti, Tarn.
-
- 2346* 4 geminata, Mouss.
-
- (Xerophila, Held.)
-
- 2347 armillata, Lowe.

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Helix, Linné.—continued.

- (*Plebeola*, Lowe.)
 2348 vulgata, Lowe.
 2349 I giramica, Lowe.
 2350 nitidiuscula, Sow.
 (*Irus*, Lowe.)
 2351 laciniosa, Lowe.
 2352 depauperata, Lowe.
 2353 squalida, Lowe.
 (*Spirorbula*, Lowe.)
 2354 obtecta, Lowe.
 2355 latens, Lowe.
 2356 paupercula, Lowe.
 (*Placentula*, Lowe.)
 2357 compar, Lowe.
 2358 maderensis, Wood.
 2359 spirorbis, Lowe.
 2360 leptosticha, Lowe.
 2361 dealbata, Lowe.
 2362 fictilis, Lowe.
 (*Actinella*, Lowe.)
 2363 lentiginosa, Lowe.
 2364 stellaris, Lowe.
 2365 arcta, Lowe.
 (*Rimula*, Lowe.)
 2366 arcinella, Lowe (*foss.*).
 2367 arridens, Lowe.
 2368 capsella, Lowe.
 2369 fausta, Lowe.
 2370 obserata, Lowe.
 (*Hespidella*, Lowe.)
 2371 armitageana, Lowe.
 (*Gonostoma*, Lowe.)
 2372 actinophora, Lowe.
 2373 hispidula, Lamk.
 2374 I bertheloti, Fér.
 2375 afficta, Fér.
 (*Caracollina*, Beck.)
 (234) lenticula, Fér.
 (*Callina*, Lowe.)
 2376 rotula, Lowe.
 (*Caseolus*, Lowe.)
 2377 consors, Lowe.
 2378 calculus, Lowe.
 2379 compacta, Lowe.
 2380 commixta, Lowe.
 2381 abjecta, Lowe.
 2382 sphærule, Lowe.

Helix, Linné.—continued.

- (*Turricola*, Beck.)
 2383 cyclodon, W. and B.
 2384 despreauxii, D'Orb.
 (*Hystriella*, Lowe.)
 2385 echinulata, Lowe.
 2386 bicarinata, Sow.
 2387 vermetiformis, Lowe (*foss.*).
 2388 turricula, Lowe.
 2389 oxytropis, Lowe.
 (*Turritella*, Woll.)
 2390 cheiranthicola, Lowe.
 2391 I mustelina, Lowe.
 (*Discula*, Lowe.)
 2392 tetrica, Paiva.
 2393 polymorpha, Lowe.
 2394 I salebrosa, Lowe.
 2395 2 lincta, Lowe.
 2396 3 pulvinata, Lowe.
 2397 4 papilio, Lowe.
 2398 5 discina, Lowe.
 2399 6 gomesiana, Paiva.
 2400 7 attrita, Lowe.
 2401 tabellata, Lowe.
 2402 argonautula, Lowe.
 2403 testudinalis, Lowe.
 (*Tectula*, Lowe.)
 2404 lyelliana, Lowe.
 2405 albersii, Lowe.
 2406 bulwerii, Sow.
 2407 tectiformis, Sow.
 (*Craspedaria*, Lowe.)
 2408 delphinula, Lowe (*foss.*).
 (*Coronaria*, Lowe.)
 2409 delphinuloides, Lowe.
 2410 coronata, Desh.
 2411 coronula, Lowe (*foss.*).
 2412 tiarella, W. and B.
 (*Lemniscia*, Lowe.)
 2413 phalerata, W. and B.
 2414 michaudi, Desh.
 2415 calva, Lowe.
 2416 galeata, Paiva.
 2417 lemniscata, W. and B.

Fam. IV.—Pupidæ.
Bulimus, Scopoli.
 (691) ventricosus, Drap.
 2418 forbesianus, M. and D.
 2419 pruninus, Gould.

Bulimus, Scopoli.—continued.

- 2420 moquinianus, W. and B.
 2421 helvolus, W. and B.
 2422 badius, Fér.

Pupa, Draparnaud.*(Truncatellina, Lowe.)*

- 2423 linearis, Lowe (*foss.*).
 2424 microspora, Lowe.

(Gastrodon, Lowe.)

- 2425 fanalensis, Lowe.
 (1008) umbilicata, Drap.
 2426 1 anconostoma, Lowe.

(Gastrocopta, Woll.)

- 2427 acarus, Bens.
 2428 gorgonica, Dohrn.
 2429 1 minor, Dohrn.

(Lyostyla, Lowe.)

- 2430 cheilogona, Lowe.
 2431 vineta, Lowe.
 2432 irrigua, Lowe.
 2433 cassidula, Lowe.
 2434 concinna, Lowe.
 2435 laurina, Lowe.
 2436 sphinctostoma, Lowe.
 2437 lævigata, Lowe.
 2438 recta, Lowe.
 2439 macilenta, Lowe.

(Craticula, Lowe.)

- 2440 fusca, Lowe.
 2441 millegrana, Lowe.
 2442 ferraria, Lowe.
 2443 monticola, Lowe.
 2444 calathiscus, Lowe.

(Staurodon, Lowe.)

- 2445 saxicola, Lowe.

Clausilia, Draparnaud.

- 2446 crista, Lowe.
 2447 deltostoma, Lowe.
 2448 1 raricosta, Lowe.
 2449 2 undulata, Bttg.

Fam. V.—Stenogyridæ.**Stenogyra, Shuttleworth.**

- (1078) decollata, Lin.
 2450 subdiaphana, King.

Achatina, Lamarck.*(Acicula, Risso.)*

- (1723) acicula, Müll.
(Cochlicopa, Müll.)
 (1680) lubrica, Müll.
 (1680*) 1 maderensis, Lowe.

Lovea, Watson.*(Ferussacia, Risso.)*

- (1694) folliculus, Gronov.
 2451 vitrea, W. and B.
 2452 leacockiana, Lowe.
(Fusillus, Lowe.)
 2453 gracilis, Lowe.
 2454 oryza, Lowe.
 2455 1 tuberculata, Lowe.
 2456 triticea, Lowe.

(Amphorella, Lowe.)

- 2457 melampoides, Lowe.
 2458 tornatellina, Lowe.
 2459 mitriformis, Lowe.
 2460 1 maderensis, Lowe.
 2461 producta, Lowe.

(Cylichnidea, Lowe.)

- 2462 ovuliformis, Lowe.
 2463 cylichna, Lowe (*foss.*).

Fam. VI.—Succineidæ.**Succinea, Draparnaud.**

- 2464 sanctæ-helenæ, Lesson.

Sub-Order.—Hygrophila.**Fam. I.—Limnæidæ.****Limnæa, Draparnaud.**

- (1844) truncatula, Müll.

Planorbis, Guettard.

- (1877) glaber, Jeffr.

Ancylus, Geoffroy.

- 2465 striatus, Z. and G.

Fam. II.—Physidæ.**Physa, Draparnaud.**

- (1903) acuta, Drap.





Order II.—Prosobranchiata.**Sub-Order I.—Pectinibranchiata.****TÆNIOGLOSSA.****Fam. I.—Hydrobiidæ.****Hydrobia, Hartmann.**

(2057) similis, Drap.

Fam. II.—Cyclophoridæ.**Craspedopoma, Pfeiffer.**

2466	lucidum, Lowe.
2467	1 flavescens, Lowe.
2468	2 neritoides, Lowe.
2469	monizianum, Lowe.
2470	lyonnetianum, Lowe.
2471	trochoideum, Lowe.

A D D E N D A .**Helix, Linné.**

2472	bertilliana, Adams.
2473	beguirensis, Debeaux.
2474	derbrugeriana, Letour.
2475	dictæa, Mart.
2476	duinensis, Stoss.
2477	lemorisii, Debeaux.
2478	maachi, Gerst.
2479	middendorffi, Gerst.
2480	ravida, Ben.
2481	rubens, Mart.
2482	schwerzenbachii, Calcara.
2483	selskii, Gerst.
2484	weyprichii, Schm.

Buliminus, Ehrenberg.

2485	albidus, Menke.
2486	issericus, Kobelt.
2487	haberhaueri, Dohrn.
2488	kobeltianus, Nevill.
2489	subvallotianus, Ancey.

Pupa, Draparnaud.

2490	gracilis, Bttg.
2491	manotiana, Bourg.
2492	pyramidalis, Dupuy.

Clausilia, Draparnaud.

2493	chelidromia, Bttg.
2494	chalcidensis, Bttg.

Clausilia, Draparnaud.—Continued.

2495	dorica, Bttg.
2496	polyptychia, Bttg.
2497	peucetana, Bttg.
2498	strictaluna, Bttg.

Succinea, Draparnaud.

2499	exarata, Bourg.
2500	martensiana, Noll.

Ancylus, Geoffroy.

2501	curvirostris, Villa.
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Pomatias, Studer.

2502	canescens, Rossm.
2503	sardus, Mart.
2504	tauricus, Zieg.
2505	tersatinus, Zieg.
2506	perseiananus, Kob.
2507	1 ziquensis, Kob.

Melania, Lamarck.

2508	amurensis, Gerst.
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Paludina, Lamarck.

2509	ussuriensis, Gerst.
2510	prærosa, Gerst.

Paludinella, C. Pfeiffer.

2511	cretica, Clessin.
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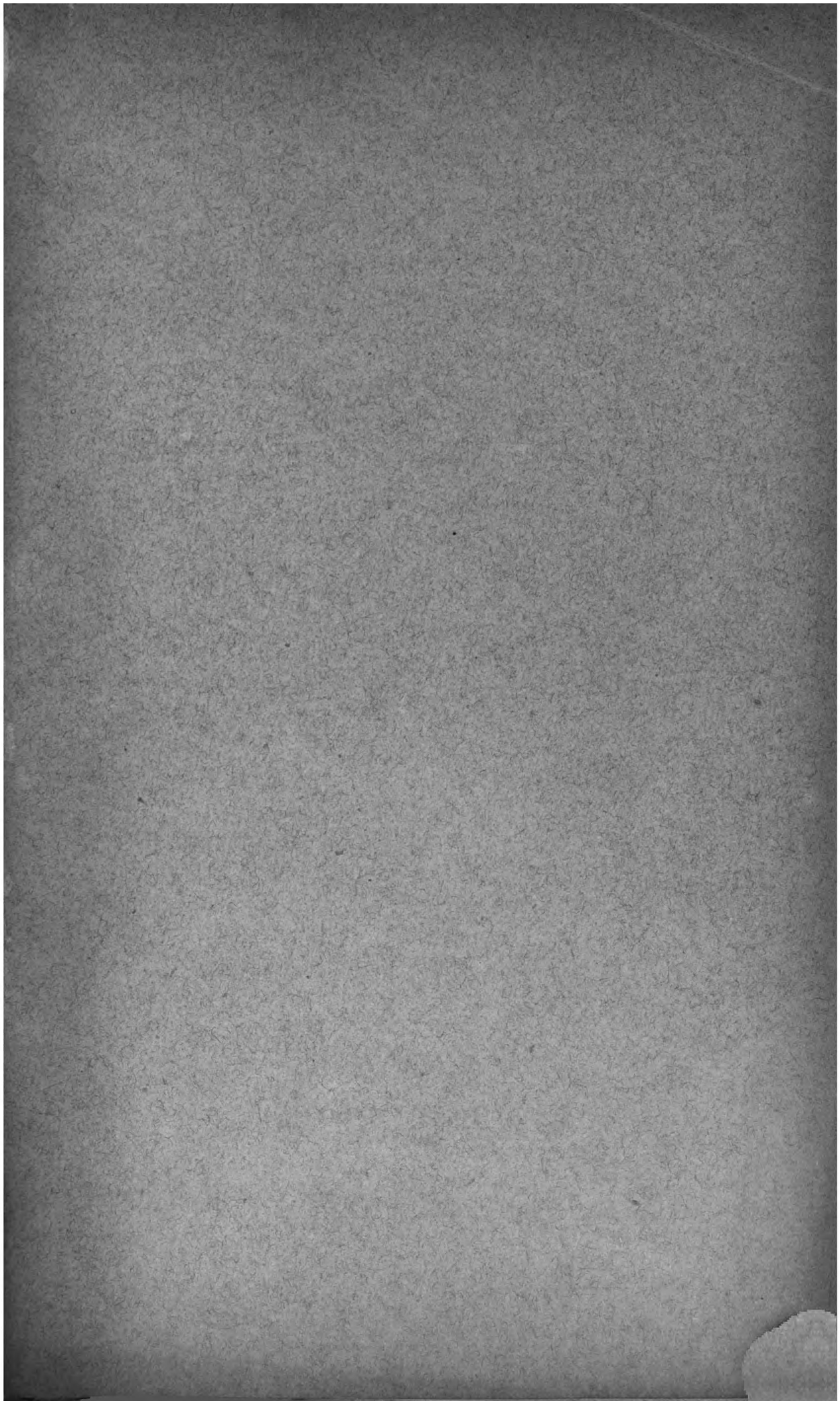
Pisidium, C. Pfeiffer.

	nitidum, Jenyns.
2512	1 splendens, Baud.

Casertanum, Pöli.

2513	1 cinereum, Alder.
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THOS. CALDCLEUGH, PRINTER, DURHAM.





MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S.

VI. MOLLUSCA TERRESTRIA
ET FLUVIATILIA.

SUPPLEMENT

(TO CATALOGUE PRINTED IN 1890).

DURHAM:

THOMAS CALDCLEUGH, PRINTER, 70, SADDLER STREET.

—
1900.

NOTES.

The Notes in the Preface to my Catalogue published in 1890 will, in a great measure, apply also to this Supplemental List.

The Mollusca in the present list have almost all been obtained by purchase, and by far the greater majority of the more recently characterized species or named forms have been determined by their describers.

Among the Mollusca of older authors are a valuable series of the specimens sent out by Parreys (whose labels can always be recognized, as being equal sized oblong pieces of paper, on which the name of the shell is written in bold characters, but without any locality or date). These specimens of Parreys were originally in the collection of the Belgian Conchologist, M. Colbeau. M. Colbeau's collection passed into the possession of M. E. Van Den Broeck, and at the dispersal of M. Broeck's collection I had the opportunity of the first selection, and thus secured the types of Parreys and other specimens of interest.

At the sale of M. Morelet's Mollusca I obtained many of his type examples and other shells of value.

A. M. NORMAN.

THE RED HOUSE,
BIRKHAMSTED,
HERTS.

December 18, 1900.



MUSEUM NORMANIANUM.

VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

SUPPLEMENT.

Class I.—GASTEROPODA.

Order I.—Pulmonata.

Sub-Order I.—Geophila.

Fam. I.—Testacellidæ.

Glandina, Schumacher.

- (19) poireti, C. Pfr.
2514 1 agapeta, Bgt.

Fam. II.—Limacidæ.

Parmacella, Cuvier.

- 2515 alexandrina, Ehrbg.
2516 dorsalis, Mouss.

Vitrina, Draparnaud.

- (23) diaphana, Drap.
2517 2 jetschini, West.
2518 kochi, Andreae.
2519 reitteri, Bttg.
2520 carniolica, Bttg.
(37) annularis, Venetz.
2521 1 persica, Bttg.

Macrochlamys, Benson.

- 2522 turanica, Marts.

Limax, Linné.

- 2523 deshayesii, Bgt.

Amalia, Moq.-Tandon.

- 2524 raymondiana, Bgt.

Trigonochlamys, Boettger.

- 2525 imitatrix, Bttg.

Conulus, Fitzinger.

- 2526 callopisticus, Bgt.
2527 fabricii, Beck.

Hyalinia, Agassiz.

(Vitrea, Agassiz.)

- 2528 transsylvanica, Cless.
2529 erjavecii, Brus.
2530 litoralis, Cless.
(62) crystallina, Müll.
2531 2 orientalis, Kim.
2532 narbonensis, Cless.
2533 calderoni, West.
2534 mica, West.
2535 vitrea, Bielz.
2536 eustilba, Bgt.
2537 permodesata, Bgt.

(Zonitoides, Lehmann.)

- (74) excavata, Bean.
2538 a. vitrina, Jeffer.

(Polita, Held.)

- (79) petronella, Charp.
2539 1 jaccetanica, Bgt.
2540 2 subnitidosa, Mouss.
2541 eurabdota, Bgt.
2542 lentiformis, Kobelt.
(96) glabra, Studer.
2543 2 subglabra, Bgt.
(103) alliarda, Müll.
2544 melitensis, Kobelt.
(104) cellaria, Müll.
2545 4 suburbanæ, Paul.
2546 chelia, Bgt.
2547 1 cheliella, Pech.
2548 navarrica, Bgt.
(123) nitens, Mich.
2549 a. helmii, Gilb.
2550 1 scephii, Hazaz.

Hyalinia, Agassiz.—continued.*(Polita, Held.)*—continued.

- 2551 2 ressmanni, West.
 2552 3 olearis, West.
 2553 4 lundensis, West.
(Mesomphix, Rafinesque).
 2554 simoni, Bttg.
 2555 libanica, Næg. and West.
 (150) olivetorum, Hermann.
 2556 1 subincerta, Nev.
 2557 2 macrobiata, Nev.

Zonites, Montfort.

- 2558 örtzeni, Martens.
 2559 polycrates, Martens.
 2560 cœsius, Martens.
 2561 kobelti, Bttg.
 2562 rhodius, Martens.
 (166) compressus, Zieg.
 2563 a. lardea, Stentz.

*Fam. III.—Leucochroidæ.***Leucochroa, Beck.**

- (176) candidissima, Drap.
 2564 e. depressa, Mhlf.
 2565 f. microstoma, Bgt.
 2566 g. conoidea, Bgt.
 2567 saharica, Deb.

*Fam. IV.—Helicidæ.***Helix, Linné.***(Punctum, Morse.)*

- 2568 lederi, Bttg.
(Patula, Held.)
 2569 abietina, Bgt.
 (215) rupestris, Stud.
 2570 a. saxatilis, Hm.
(Gonostoma, Held.)
 (225) corcyrensis, Partsch.
 2571 2 octogyrata, Mouss.
 (237) lens, Fér.
 2572 2 callojuncta, Bl. and W.
 2573 themcenensis, Bgt.
 2574 1 pechaudi (Bgt.), Anc.
(Chilotrema, Leach.)
 (254) lapicida, Lin.
 2575 1 andorrica, Bgt.
(Nummulina, Kobelt.)
 2576 genezarethana, Mouss.

Helix, Linné.—continued.*(Fruticola, Held.)*

- (259) unidentata, Drap.
 2577 a. anodonta, Tschap.
 (261) leucozona, Zieg.
 2578 1 ovirensis, Rossm.
 2579 2 heteromorpha, West.
 2580 steneligma (Bgt.), Mab.
 2581 bofilliana, Fagot.
 2582 phorochætia, Bgt.
 (255) sericea, Drap.
 2583 1 corneola, Cless.
 2584 2 liberta, West.
 2585 tumescens, West.
 2586 clessini, Ulicny.
 2587 lasia, Bgt.
 2588 moquiniana, Raym.
 (298) globula, Kryn.
 2589 1 radschana, Bttg.
 2590 transcaspia, Bttg.
 2591 arpatschaiana, Mouss.
 2592 proclivis, Martens.
 2593 hausknechti, Bttg.
 (318) anconæ, Iss.
 2594 1 simplicita, Parr.
 (320) carthusiana, Müll.
 2595 c. minor.
 2596 d. fasciata, West.
 (328) olivieri, Fér.
 2597 5 cribrata, West.
 (336) flaveola, Kryn.
 2598 a. albina.
 2599 cheffiana, Bgt.
 (340) strigella, Drap.
 2600 1 colliniana, Bgt.
 2601 2 mehadiæ, Bgt.
 2602 3 agapeta, Bgt.
 2603 hirci, Cless.
 2604 pantanellii, De Stef.
 (344) martensiana, Tiberi.
 2605 a. major.
 (346) incarnata, Müll.
 2606 1 veprium, Bgt.
 2607 2 byssina, Gredl.
 2608 andria, Martens.
 (343) limbata, Drap.
 2609 1 hylonomia, Bgt.
(Cressa, Westerlund.)
 (350) pellita, Fér.
 2610 a. minor.

Helix, Linné.—continued.*(Campylæa, Beck.)*

- (364) ravergieri, Fér.
 2611 1 persica, Bttg.
 2612 cyrniaca, Dut.
 (374) pouzolzi, Mich.
 2613 a. unicolor, Pfr.
 2614 2 bosnensis, Kob.
 2615 argentellei, Kob.
 2616 1 peritrichia, Bttg.
 2617 hessei, Kim.
 (385) heimesiana, Pini.
 2618 2 ligurica, Kob.
 (390) pyrenaica, Drap.
 2619 1 xantheola (B.), Fag.
 2620 2 complanata, Bgt.
 2621 möllendorffi, Kob.
 (400) planospira, Lam.
 2622 b. minor.
 2623 c. vitrea.
 2624 5 etrusca, Kob.
 2625 6 adelostoma, Parr.
 2626 tiesenhauseni, Gredl.
 2627 sadleriana (Z.), Rossm.
 (421) trizona, Zieg.
 2628 1 balcanica, Friw.
 2629 2 frauenfeldi, Zel.
 (422) cyclolabris, Desh.
 2630 5 eubœa (Parr), Kob.
 (427) cærulans, Mhlf.
 2631 a. zrmanjæ, Brus.
 2632 squammata, M. de Serres.
 (432) cingulata, Stud.
 2633 5 lucensis, Paul.
 (437) carrarensis, Porro.
 2634 1 montana, Paul.
 (438) presli, F. Schm.
 2635 3 anconæ, Gentil.
 2636 4 agnata, Paul.
 (441) colubrina, Jan.
 2637 1 nubila (Z.), Kob.
 2638 2 transiens, Adami.
 (446) faustina (Z.), Rossm.
 2639 3 citrinula (Z.), Bz.
 2640 4 fortunata (Parr), Bz.
(Arianta, Leach.)
 (451) arbustorum, Lin.
 2641 c. rufescens, Moq.-Tand.
 2642 7 sendtneri, Cless.
 2643 8 troichoidalis, Roff.

Helix, Linné.—continued.*(Arianta, Leach.)—continued.*

- 2644 9 depressa, Held.
 2645 10 witmanni, Zaw.
 2646 11 jetschini, Ulicny.
 2647 12 styriaca (Frfld.), Kobelt.
(Euparypha, Hartmann.)
 (466) planata, Chemn.
 2648 2 erythrostroma (Phil.), Fér.
 (470) pisana, Müll.
 2649 4 donatii (Berth.), Bgt.
 2650 5 pisanopsis, Serv.
 2651 6 alboranensis, Webb.
 2652 7 burriana, Rossm.
 2653 8 rhodostoma, Drap.
 2654 9 sardoa, Ziegl.
(Xerophila, Held.)
 2655 bousqueti (Deb.), West.
 2656 fædata (Hagenm.), West.
 2657 æqusæ, Kob.
 2658 rufolabris, Ben.
 2659 da silvæ (Serv.), Bgt.
 1 papalis, Loc.
 2660 salentina (Bl.), Loc.
 2661 limara, Bgt.
 2662 1 limarella (Hagenm.), West.
 2663 latastei (Let.), Bgt.
 (490) subrostrata, Fér.
 2664 1 hamyi (Bgt.), West.
 (491) cretica, Fér.
 2665 1 santorina, Let.
 2666 psammatea, Let. and Bgt.
 (514) vestalis (Parr), Pfr.
 2667 1 radiolata, Mouss.
 2668 ramlensis (Bgt.), West.
 2669 1 mahmoudiana (Bgt.), West.
 2670 panurga, Bgt.
 2671 euphorcella (Pech.), Bgt.
 2672 euphorcopsis (Let.), Anc.
 2673 bollenensis, Loc.
 2674 carpensoractensis, Fag.
 2675 stiparum, Rossm.
 2676 marioniana, Bgt.
 2677 zaccarensis, Kob.
 2678 devauxi, Deb.
 2679 suberis, Loc.
 2680 coenosi (Bgt.), Loc.
 (527) terveri, Mich.
 2681 1 luci, Florence.
 2682 cyclostoma, West.

Helix, Linné.—continued.*(Xerophila, Held.)*—continued.

- 2683 gouini (Deb.), West.
 2684 lemoinei (Deb.), Kob.
 (533) sitifiensis, Bgt.
 2685 1 jusiana (Bgt.), Loc.
 2686 oreta, Bgt.
 2687 monerca, Bgt.
 2688 ripacurcica, Bofill.
 (534) cespitum, Drap.
 2689 1 dismathia, Nev.
 2690 2 alticola, Nev.
 2691 calographa, West.
 2692 guimeti, Bgt.
 (549) profuga, A. Schm.
 2693 2 attica, Bttg.
 2694 3 melitensis, Gatto.
 gradiscanensis, Fag. (type not in coll.)
 2695 1 muggianica, Fag.
 2696 tringa, West.
 2697 1 montfalconensis (Stoss), West.
 (552) meridionalis, Parr.
 2698 1 gyrosa, West.
 2699 alberti, Kob.
 2700 xalonica, Serv.
 2701 alluviorum, Serv.
 2702 montgiscardiana, Fag.
 2703 grannonensis, Bgt.
 2704 fera, Bgt.
 (558) striata, Müll.
 2705 2 nilssoniana, Bk.
 2706 substriata, Cless.
 2707 subapicina, Mouss.
 2708 duveyrieriana, Bgt.
 2709 letourneuxiana, Bgt.
 2710 pictonum, Bgt.
 2711 monistolensis, Fag.
 2712 groboni, Bgt.
 2713 lieuranensis (Bgt.), Cout.
 (569) valcourtiana, Bgt.
 2714 1 veranyi (Bgt.), Cout.
 2715 solaciaca, Mab.
 thuillieri, Mab. (type not in coll.)
 2716 1 nomephila, Bgt.
 (570) heripensis, Mab.
 2717 1 ruida (Bgt.), Cout.
 2718 cenisia, Ch.
 2719 lugdanica, Mab.
 2720 arelatensis, Loc.

Helix, Linné.—continued.*(Xerophila, Held.)*—continued.

- 2721 geryvillensis, Bgt.
 2722 djebbarica, Bgt.
 2723 warnieriana, Bgt.
 2724 misara, Bgt.
 2725 ambielina (Ch.), Palad.
 2726 æglia, Let. and Bgt.
 2727 fabriesi (Deb.), West.
 2728 isæa, Hegenm.
 2729 1 nedromæ (Deb.), West.
 2730 ademata (Bgt.), Loc.
 2731 avenionensis (Bgt.), Loc.
 2732 illibatiformis, Anc.
 2733 eustricta, Bgt.
 2734 montivaga, Fag.
 (602) xelebori, Pfr.
 2735 1 adarella (Bgt.), Serv.
 2736 chthamalolena, Bgt.
 2737 montserratica (Bgt.), Hidalgo.
 (614) crenimargo, Kryn.
 2738 1 obtusior, Mouss.
 2739 milaschewitschi, Ret.
 (615) syrensis, Pfr.
 2740 1 exserta, Marts.
 2741 graja, West.
 2742 idia, Let. and Bgt.
 (645) spirula (Zel.), West.
 2743 1 batowskyana, Cless.
 (649) derbentina, Kryn.
 2744 3 suprazonata (Bayer), Mouss.
 2745 fedtschenkoi, Marts.
 2746 talmacensis, Bielz.
 2747 pumilio, Chemn.
 2748 serrulata, Bk.
 (673) terrestris, Penn.
 2749 a. depressa, Bgt.
 2750 liebetruti, Alb.
 2751 subnumidica (Bgt.), West.
 2752 cucullus, Marts.
 (692) barbara, Lin.
 2753 1 terveriana, Mouss.
(Iberus, Montfort.)
 (696) scabriuscula, Desh.
 2754 c. demissa, Ben.
 2755 4 drepanensis (Huet), Pfr.
 (706) muralis, Müll.
 2756 5 alutacea, Paul.
 2757 substrigata (B.), Mab.
 2758 weberi, Kob.

Helix, Linné.—continued.

- (*Iberus, Montfort.*)—continued.
 2759 tetuanensis, Kob.
 2760 urmiensis (Næv.), Kob.
 (*Macularia, Albers.*)
 (761) codringtoni, Gray.
 2761 3 eucincta, Bgt.
 2762 4 euchromia, Bgt.
 2763 5 oetæ, Kob.
 2764 6 ætolica, Bttg.
 2765 crassa, Pfr.
 (764) alonensis, Fér.
 2766 1 lorcana, Rossm.
 2767 guiraoana, Rossm.
 2768 sollieri (Bgt.), Pech.
 2769 chorista (Bgt.), Serv.
 (779) vermiculata, Müll.
 2770 c. linusina, Ben.
 2771 monst. scalariformis.
 (784) lactea, Müll.
 2772 1 sevilliana (Grat.), Mouss.
 2773 2 submaura, Fagot.
 2774 bathylæma, Bgt.
 2775 ghazouana (Deb.), Kob.
 2776 tagina, Serv.
 (790) myristigmæa, Bgt.
 2777 3 mazograna, Deb.
 2778 baudotiana, Bgt.
 2779 charieia, Pech.
 (799) julietti, Terv.
 2780 a. saidana (Deb.), West.
 2781 wagneri (Terv.), Kob.
 2782 rerayana, Mouss.
 2783 euglyptolena, Pech.
 (810) abrolena, Bgt.
 2784 b. microstoma, Bgt.
 2785 flattersiana, Ancey.
 2786 embia, Bgt.
 2787 surrodonta, Bgt.
 2788 stereodonta, Bgt.
 (*Tachea (Leach), Gray.*)
 (827) vindobonensis, Fér.
 2789 a. minor.
 2790 b. conoidea, West.
 2791 c. pallescens, Fér.
 2792 d. nigra, West.
 2793 e. quadrifasciata.
 2794 f. rustica.
 2795 calæca (Bgt.), Fag.
 (822) atrolabiata, Kryn.

Helix, Linné.—continued.

- (*Tachea (Leach), Gray.*)—continued.
 2796 d. albolabiata, Dohrn.
 (*Pomatia, Beck.*)
 (842) mazullii, Jan.
 2797 a. zonata, Bgt.
 (853) obtusata, Zieg.
 2798 1 bicincta (Dubois), Kob.
 (854) cincta, Müll.
 2799 1 euryonyx, Bttg.
 (861) pomatia, Lin.
 2800 g. lednicensis, Brancs.
 2801 h. rustica, Hn.
 2802 i. thessalica, Bttg.
 2803 k. pyrgia, Bgt.
 (862) ligata, Müll.
 2804 a. pomatella (Tib.), Kob.
 2805 b. pseudopomatia (Bl.), West.
 2806 5 dichromolena, Bgt.

*Fam. V.—Pupidæ.***Buliminus (Ehrbg.), Beck.**

- (*Zebrinus, Held.*)
 2807 subdetritus, Bgt.
 (876) detritus, Müll.
 2808 e. corneus (Mich.), Rossm.
 2809 f. luteus, Z.
 (882) cylindricus, Mke.
 2810 6 obsoletus (Parr), Mouss.
 2811 7 acuminatus, Ret.
 2812 8 subacuminatus, Ret.
 (*Brephulus, Beck.*)
 2813 bicallosus (Friw.), Pfr.
 2814 subcarneolus, Bgt.
 (909) transsylvanicus, Kim.
 2815 a. relictus, Bielz.
 2816 1 tenuis, Bielz.
 (*Napæus, Albers.*)
 (925) todillus, Morel.
 2817 2 cartensis, Let.
 2818 thotellerii, Bgt.
 2819 bourguinati, Let.
 2820 issericus, Kobelt.
 2821 subtilis, Rossm.
 2822 monticola, Roth.
 2823 cefalonicus, Mouss.
 (936) montanus, Drap.
 2824 a. major, Rossm.
 2825 b. ventricosus, Loc.
 2826 c. prolongatus, Brancs.

Buliminus (Ehrbg.), Beck.—continued.

- (*Napæus, Albers.*)—continued.
- 2827 *d. carthusianus*, Loc.
 (942) *obscurus*, Müll.
 2828 *a. alba*.
 (944) *gibber*, Kryn.
 2829 1 *phorcus*, Bgt.
 (*Chondrulus, Beck.*)
 (954) *quinquedentatus*, Mhlf.
 2830 *a. tumidus*, West.
 2831 1 *approximatus*, Friw.
 (955) *bergeri*, Roth.
 2832 1 *meridionalis*, Bttg.
 2833 *ghilanensis*, Iss.
 2834 *limbodontatus*, Mouss.
 2835 *hoplites*, West.
 2836 *westerlundi*, Kob.
 2837 *seductilis* (Z.), Rossm.
 2838 *samius*, Marts.
 2839 *planilabris*, Bttg.
 (977) *thiesseanus* (Mss.), West.
 2840 1 *helikonicus*, West.
 (*Petræus, Albers.*)
 2841 *gaillyi* (Let.), West.
 (*Central Asian Species.*)
 (993) *eremita*, Benson.
 2842 *a. minor*.
 2843 *b. controversa*.
 2844 *albiplicatus*, Marts.
 2845 *purus*, West.
 2846 *entodon*, Marts.
 2847 *haberhaueri* (Dohrn.), Ancey.
 2848 *walteri*, Bttg.
 2849 *herzensteini*, Ancey.
- Pupa, Draparnaud.**
 (*Lauria, Gray.*)
 (1008) *cylindræa*, Da Costa.
 2850 *a. edentula*.
 2851 3 *anconostoma* (Lowe), Pfr.
 2852 *numidica*, Bgt.
 (1016) *superstructa*, Mouss.
 2853 3 *lederi*, Bttg.
 (*Orcula, Held.*)
 (1019) *dolium*, Drap.
 2854 *a. uniplicata*, Pot. and Mich.
 2855 *b. plagiostoma*.
 2856 *c. cebratica*, West.
 2857 1 *brancsiki*, Cless.
 2858 2 *kimacoviczi*, Brancs.
 2859 3 *minima*, Brancs.

Pupa, Draparnaud.—continued.

- (*Orcula, Held.*)—continued.
- 2860 *a. obesa*, Brancs.
 2861 4 *titan*, Brancs.
 2862 *jetschini*, Kim.
 (1023) *doliolum*, Brug.
 2863 *a. albina*.
 2864 *b. uniplicata*.
 2865 *c. critica*, Zel.
 (*Coryna, Westerlund.*)
 2866 *bielzi*, Rossm.
 2867 *locardi*, Bgt.
 (*Pagodina, Strobel.*)
 (1033) *pagodula*, Des. Moul.
 2868 3 *obliqua*, West.
 (*Torquilla, Faure-Big.*)
 (1037) *similis*, Brug.
 2869 *a. major*.
 (1042) *goniostoma*, Kstr.
 2870 *a. juliensis*, Bourg.
 2871 *crassata* (Bofill.), Fag.
 (1046) *avenacea*, Brug.
 2872 *a. eupora*, Zieg.
 2873 *b. paucidens*, West.
 2874 3 *appuana*, Issel.
 2875 4 *oligodonta*, Del Prete.
 2876 5 *melanostoma* (Paul), West.
 2877 *circumplicata* (Mouss.), West.
 2878 *a. multidentata*, Strob.
 2879 *tarraconensis*, Fag.
 2880 *aragonica*, Fag.
massotiana, Bourg. (type not in coll.)
 2881 1 *penchinatiana*, Bourg.
 2882 *ilendensis*, Fag.
 2883 *pulchella*, Bofill.
 2884 *dertosensis*, Bofill.
 (1061) *rupestris*, Phil.
 2885 *a. sicana*.
 2886 *microdon*, West.
 2887 *dupoteti*, Terv.
 2888 *eucyphogyra*, Let.
 (1065) *philippii*, Cantr.
 2889 1 *savii* (Ch.), Fag.
 (1069) *fumentum*, Drap.
 2890 6 *cylindræa* (Z.), Rossm.
 2891 7 *polita*, West.
 2892 8 *hungarica*, Kim.
 (1080) *secale*, Drap.
 2893 *a. gracilior*, West.
 2894 *b. cylindrica*, Loc.

Pupa, Draparnaud.—continued.*(Torquilla, Faure-Big.)*—continued.

- 2895 letourneuxi, Bourg.
 (1091) variabilis, Drap.
 2896 *b. elongata.*
 2897 *c. polita*, Risso.
(Pupilla, Leach.)
 (1099) muscorum, Müll.
 2898 *b. elongata*, Cless.
 2899 *c. caucasica*, Bttg.
 3000 *d. prætenuis*, Cless.
 3001 2 pratensis, Cless.
 3002 lundstromi, West.
 3003 aucapitainiana, Bourg.
 (1101) sterri, Voilt.
 3004 *a. carpatica.*
 3005 2 cupa, Jan.
 (1103) triplicata, Stud.
 3006 *a. bidentata*, West.
(Isthmia, Gray.)
 (1115) costulata, Nilsson.
 3007 1 allogyra, West.
(Alæa, Jeffreys.)
 3008 schultzi, Phil.
 3009 ronneyensis, West.
 (1124) pygmæa, Drap.
 3010 *a. callocarens*, Bttg.
 (1128) antivertigo, Drap.
 3011 *a. sexdentata*, Mont.
 3012 *b. octodentata*, Stud.
 3013 8 novemdentata.
 3014 9 ferox, West.
 3015 maresi, Bourg.

Balea, Prideaux.

- (1131) perversa, Lin.
 3016 1 pyrenaica, Bourg.
 3017 2 suecana, West.
 3018 3 polita, West.

Clausilia, Draparnaud.*(Alopiæ, Adams.)*

- (1138) livida, Menks.
 3019 *b. costicollis*, Bielz.
 3020 *c. minor.*
 3021 *d. bipalitalis*, Kim.
 3022 1 maxima, Rossm.
 (1134) lischkeana, Parr.
 3023 1 obesa, Kim.
 (1135) fussiana, Bielz.
 3024 1 grandis, Bielz.
 (1137) bielzi, Parr.

Clausilia, Draparnaud.—continued.*(Alopiæ, Adams.)*—continued.

- 3025 3 tenuis, Bielz.
 3026 4 media, Bielz.
 (1140) glauca, Bielz.
 3027 *d. major.*
 (1142) costata (Bielz), Kim.
 3028 *a. ambigua*, Kim.
 3029 *b. pleurata*, Kim.
 3030 *c. corroborata*, Kim.
 (1144) haueri, Bielz.
 3031 *a. transitans*, Kim.
 3032 1 latecosta, Bttg.
 (1145) canescens, Parr.
 3033 *a. unipalitalis*, Bttg.
 (1147) elegans, Bielz.
 3034 1 intercedens, A. Schm.
 (1148) straminicollis (Parr), Ch.
 3035 1 schmidti, Kim.
 3036 2 minor, A. Schm.
 3037 3 subcosticollis, A. Schm.
 3038 4 bættgeri, Kim.
 3039 *monst. dextrorsa.*
 (1149) plumbea, Ross.
 3040 *c. albina*, Bielz.
 (1150) regalis, Bielz.
 3041 1 deubeli, Kim.
 3042 2 walderdorffi, Kim.
 3043 3 valachiensis, Bttg.
 (1152) bogatensis, Bielz.
 3044 *a. minor.*
 3045 1 lævigata, Bielz.
(Clausiliastra, Mollendorff.)
 (1157) marginata, Zieg.
 3046 *a. vitrea*, Bielz.
 3047 1 bilabiata (Friw.), Rossm.
 (1159) laminata, Mont.
 3048 5 triloba, Bttg.
 3049 6 virescens, A. Schm.
 3050 polita (Parr), A. Schm.
 (1168) costata, Zieg.
 3051 2 subcostata, Bttg.
 (1170) curta, Rossm.
 3052 *a. maxima.*
 3053 2 heterodoxa, Wes.
 (1172) commutata, Rossm.
 3054 6 mutata, West.
 3055 7 lucida (Z.), Rossm.
 (1179) küsteri, Rossm.
 3056 2 sarda, Villa.

Clausilia, Draparnaud.—continued.

- (*Clausiliastra*, *Mollendorff.*)—continued.
- 3057 3 *sophiæ*, Paul.
- (*Mentissa*, *Boettger.*)
- (1188) *gracilicosta* (Z.), Rossm.
- 3058 1 *gracilior*, A. Schm.
- 3059 2 *sordalis* (Parr), A. Schm.
- 3060 3 *taurica* (Parr), A. Schm.
- 3061 *canalifera*, Rossm.
- (1190) *detersa* (Z.), Rossm.
- 3062 1 *costulata*, Bttg.
- (*Euxina*, *Boettger.*)
- (1192) *circumdata* (Friw.), Pfr.
- 3063 1 *nectarina* (Friw.), Pfr.
- (1198) *pleuroptychia*, Bttg.
- 3064 1 *polygyra*, Bttg.
- (1199) *litotes*, Parr.
- 3065 2 *litoderma*, Bttg.
- 3066 *index*, Mouss.
- (1213) *corpulenta* (Friw.), Pfr.
- 3067 1 *expansa* (Parr), A. Schm.
- (1214) *mæsta*, Fér.
- 3068 2 *sublævis*, Bttg.
- 3069 3 *multiserrata*, Bttg.
- (*Alinda*, *Adams.*)
- (1216) *plicata*, Drap.
- 3070 *c. costata* (Bz.), Kim.
- 3071 4 *plagia*, Bourg.
- 3072 5 *elongata* (A. S.), Rossm.
- 3073 6 *exalta* (Parr), West.
- 3074 7 *weyersi*, Roff.
- (1220) *biplicata*, Mont.
- 3075 *b. grandis*, Rossm.
- 3076 *c. albina*, Parr.
- 3077 2 *elongata* (Parr), A. Schm.
- 3078 3 *sordida*, A. Schm.
- 3079 4 *bucephala* (Parr), A. Schm.
- 3080 5 *fessa*, West.
- 3081 6 *labiata* (Zel.), Bttg.
- (*Idyla*, *Vest.*)
- 3082 *socialis* (Friw.), Pfr.
- 3083 *fraudigera* (Parr), Rossm.
- (1228) *pagana* (Z.), Rossm.
- 3084 3 *mendax*, A. Schm.
- (1231) *rugicollis* (Z.), Rossm.
- 3085 *a. minor*.
- 3086 2 *hasta*, Kust.
- (*Bitorquata*, *Boettger.*)
- 3087 *bitorquata* (Friw.), Rossm.

Clausilia, Draparnaud.—continued.

- (*Siciliaria*, *Vest.*)
- (1237) *leucophryne* (Parr), Pfr.
- 3088 1 *laudabilis* (Parr), West.
- (1242) *septemPLICATA*, Phil.
- 3089 1 *proxima*, Ben.
- 3090 2 *prasina* (Ben.), A. Schm.
- (*Herilla*, *Adams.*)
- (1246) *dacica* (Friw.), Pfr.
- 3091 1 *consobrina*, A. Schm.
- 3092 2 *styriaca*.
- 3093 3 *neglecta*, Brancs.
- 3094 *kornisii* (Kimak), Cless.
- (*Delima* (*Hn*), *Boettger.*)
- (1249) *cattaroensis*, Zieg.
- 3095 *a. parvula*, West.
- 3096 1 *gracilior*, Desh.
- 3097 *subcristata*, Kust.
- (1252) *gibbula*, Zieg.
- 3098 1 *brinieri*, Pot. and Mich.
- 3099 2 *peucetana*, Kobelt.
- 3100 3 *septentrionalis*, Bttg.
- 3101 *multiplex*, West.
- 3102 *bosnica*, W. Pfr.
- 3103 *a. unipalitalis*, Brancs.
- 3104 *b. expansilabris*, Kim.
- 3105 1 *plivæ*, Brancs.
- 3106 *travnicana*, Brancs.
- 3107 1 *brandisi*, Kim.
- 3108 *parnassia*, Bttg.
- 3109 *imitatrix*, Bttg.
- 3110 *decorata*, Kust.
- 3111 *translucida* (Z.), Pfr.
- (1264) *ornata*, Zieg.
- 3112 *a. producta*, A. Schm.
- 3113 2 *humensis*, Tschap.
- (1267) *itata*, Marts.
- 3114 7 *vicentina*, A. Schm.
- 3115 8 *tridentata*, Adams.
- 3116 9 *nigra* (Peccioli), Iss.
- 3117 10 *elegans*, Gentilh.
- 3118 11 *lombardica*, Mouss.
- 3119 12 *albopustulata*, Jan.
- 3120 *invalida* (Mouss.), Bttg.
- (1277) *balsamoi*, Strob.
- 3121 2 *lorinæ*, Gredl.
- 3122 3 *varescoi*, Pini.
- 3123 4 *tiesenhauseni*, Gredl.
- (1280) *cincta*, Brum.
- 3124 *a. minor*.

Clausilia, Draparnaud.—continued.*(Delima (Hn), Boettger.)*—continued.

- 3125 2 funki, Kust.
 3126 a. gredleriana, West.
 3127 saccata, Kust.
 (1284) subcylindrica, Zieg.
 3128 1 pupula, Kust.
 (1291) lævissima, Zieg.
 3129 a. minor.
 3130 3 fuliginea, Zieg.
 3131 modesta, Kust.
 3132 perinni (Let.), Bourg.
 (1301) muralis, Kust.
 3133 1 montenegrina (K.), Pfr.
 (1303) semirugata, Zieg.
 3134 6 totarugata, Kust.
 (1321) callifera, Kust.
 3135 1 planicollis, Parr.
 3136 macrostoma, Kust.
 (1323) conspurcata (Jan.), Rossm.
 3137 a. major.
 3138 2 septentrionalis, Bttg.
 3139 T-album, Kust.
 (1329) decipiens, Rossm.
 3140 a. minor.
 3141 2 fuscata, Mlldf.
 (1331) pachystoma, Kust.
 3142 1 grandis, A. Schm.
 3143 2 succinacea, Bttg.
 3144 3 vicaria, Bttg.
 (1332) albocincta, Pfr.
 3145 a. major.
 3146 1 variata, Kust.
 3147 2 minor, Kust.
 3148 3 maxima, Kust.
 3149 notabilis, Kust.
 (1339) archilabris, Kutsch.
 3150 a. sinjana (Kutsch.), Bttg.
 (1343) blanda, Zieg.
 3151 a. imbecillis (Parr), Bttg.
 3152 b. familiaris, West.
 (1344) sororia (Parr), A. Schm.
 3153 1 crassitesta, Bttg.
 (1348) satura, Zieg.
 3154 3 croatica (Parr), Pfr.
 (1351) gastrolepta (Z.), Rossm.
 3155 3 inermis, Bttg.
 3156 4 cusmichi, Kust.
 3157 5 tabida, Kust.
 3158 adposita (Parr), Strob.

Clausilia, Draparnaud.—continued.*(Dilataria, Vest.)*

- 3159 tenuilabris, Rossm.
 3160 pirostoma, Bttg.
 3161 marchi (Zel.), Pfr.
 3162 capillacea, Rossm.
 (1358) thomasiana (Charp.), Kust.
 3163 1 verbanensis, Strob.
(Mедера, Vest.)
 3164 leucantha (Kust.), West.
 (1362) dalmatina (Partsch.), Rossm.
 3165 3 orthopleura, West.
 3166 4 ingrossata, A. Schm.
 (1365) aquila, Parr.
 3167 a. minor.
 3168 gravida, Kust.
 (1367) almissana, Kust.
 3169 b. major, West.
 3170 c. minima, A. Schm.
 (1370) macarana, Zieg.
 3171 b. major, West.
 3172 c. gracilior, West.
 (1376) punctulata, Kust.
 3173 1 platychela, Scacchi.
 (1377) agnata (Partsch), Ant.
 3174 4 cognita, Bttg.
(Agathilla, Vest.)
 (1383) sulcosa, Wagn.
 3175 4 discolor, Kust.
 3176 5 attractoides, Kust.
 3177 inchoata, Bttg.
 (1390) lamellosa, Wagn.
 3178 1 striolaris, Parr.
 (1393) goldi (Kutsch), Walderd.
 3179 1 angustella, Parr.
 3180 2 striatula, Parr.
 (1394) exarata (Z.), Rossm.
 3181 a. minor, West.
 3182 1 mostarensis, Brancs.
 3183 2 priomoricana, Stossich.
 3184 3 denegabilis, Zieg.
(Albinaria, Vest.)
 3185 filumna (Parr), Pfr.
 3186 rollei, Bttg.
 (1395) anatolica, Roth.
 3187 1 apicalis, Bttg.
 3188 petrosa (Parr), Pfr.
 3189 idæa, Pfr.
 (1396) byzantina (Parr), Ch.
 3190 3 adpersa, Bttg.

Clausilia, Draparnaud.—continued.*(Albinaria, Vest.)*—continued.

- (1399) glabella, Pfr.
 3191 1 spratti, Bttg.
 3192 pura, Bttg.
 (1400) strigata, Pfr.
 3193 5 orientalis, Bttg.
 (1405) virginea, Pfr.
 3194 1 leucoderma, Bttg.
 (1406) subvirginea, Bttg.
 3195 2 occulta, Bttg.
 (1413) sublamellosa, Bttg.
 3196 2 intermedia, Bttg.
 3197 3 prima, Bttg.
 (1416) tenuicostata, Pfr.
 3198 4 sulcicollis, Bttg.
 3199 straminea (Parr), A. Schm.
 3200 græca, Pfr.
 (1436) lopedusæ, Calcara.
 3201 1 pallidescens (Z.), A. Schm.
 (1437) bigibbosa, Charp.
 3202 1 major, Bttg.
 3203 2 evanida, Bttg.
 3204 forbesiana, Pfr.
 3205 itylensis, Bttg.
 3206 leucadia, Bttg.
 (1438) brevicollis, Pfr.
 3207 3 sublævigata, Bttg.
 3208 4 casia, Bttg.
 3209 5 inauris, Bttg.
 3210 milleri, Pfr.
 (1443) cærulea, Fér.
 3211 7 minor, Pfr.
 3212 8 euboëica, Mouss.
 3213 9 cretensis, Pfr.
 3214 10 paria, Bttg.
 3215 11 syrensis, Bttg.
 3216 12 samia, Bttg.
 3217 maculata (Z.), Rossm.
 3218 kreglinger (Zel.), Pfr.
 (1455) corrugata, Drap.
 (1458) 3 inflata, Oliv.
 3219 *f.* epimenides (Bl.), Bttg.
 3220 4 almyrosana, Bttg.
 (1461) drakakesi, Maltz.
 3221 3 parallelifera, Bttg.
 3222 4 amputata, Bttg.
 3223 saxatilis, Parr.
 (1466) clara, Bttg.
 3224 1 multica, Bttg.

Clausilia, Draparnaud.—continued.*(Albinaria, Vest.)*—continued.

- (1535) oertzeni, Bttg.
 3225 1 camura, Bttg.
 3226 retusa, Oliv.
 (1471) teres, Oliv.
 3227 4 tenerrima, Bttg.
 3228 5 centralis, Bttg.
 3229 6 vesti, Bttg.
 3230 7 ventricosa, Bttg.
 3231 8 insularis, Bttg.
 (1476) extensa, Pfr.
 3232 2 acuticostata, Bttg.
 3233 3 ventricosa, Bttg.
 (1481) turrita, Pfr.
 3234 1 syphnia, Bttg.
 3235 rudis, Pfr.
 3236 virgo, Mouss.
 (1490) cristatella, Kstr.
 3237 1 costulifera, Bttg.
 (1499) discolor, Pfr.
 3238 3 æginæ, Bttg.
 3239 dorica, Bttg.
 (1504) messenica, Mart.
 3240 2 laconica, Bttg.
 (1506) grisea, Desh.
 3241 1 bigibbosula, West.
 3242 2 heterochroa, West.
 3243 haussknechti, Bttg.
 3244 1 lævior, Bttg.
 3245 2 semilævis, Bttg.
 (1511) maculosa, Desh.
 3246 1 thiesseana, Bttg.
 3247 2 immensa, Bttg.
 (1513) schuchi, Voith.
 3248 2 tumida, Bttg.
 3249 3 oertzeni, Bttg.
 (1519) contaminata, Zieg.
 3250 4 fuscostrigata, Bttg.
 3251 5 soluta, Mouss.
 3252 6 luxuriensis, Stabile.
 (1523) nævosa, Fér.
 3253 1 othona, Bgt.
 (1527) senilis (Z.), Rossm.
 3254 *a.* modesta (Z.), Ch.
 3255 *b.* interpicta, Mouss.
 3256 1 flavescens, Bttg.
 3257 inconstans, Mouss.
(Pseudalinda, Boettger.)
 (1537) fallax, Rossm.

Clausilia, Draparnaud.—continued.

- (*Pseudalinda, Boettger.*)—continued.
- 3258 *a. minor.*
 3259 *b. viridana*, Kim.
 3260 1 *obscura* (Parr), A. Schm.
 3261 2 *serbica*, Mlldf.
 (1538) *stabilis*, Zieg.
 3262 1 *hæsitans*, West.
 (1541) *denticulata*, Oliv.
 3263 2 *spratti*, Bttg.
 3264 3 *erberi*, Frfld.
 3265 *semidenticulata*, Pfr.
 (*Uncinaria, Vest.*)
 (1544) *turgida* (Z.), Rossm.
 3266 *b. virescens.*
 3267 1 *abditæ*, Kim.
 3268 2 *bulimoidea*, West.
 3269 3 *traxleri*, Kim.
 3270 *procera*, Bielz.
 (1545) *elata*, Zieg.
 3271 *a. minor.*
 3272 *b. major.*
 3273 1 *viridana*, Kim.
 3274 2 *banatica*, Parr.
 (*Strigillari, Vest.*)
 (1547) *cana*, Held.
 3275 3 *farta*, A. Schm.
 3276 4 *turrita*, Cless.
 (1550) *vetusta*, Zieg.
 3277 3 *ventricosior*, West.
 3278 4 *kajabaschica* (Kim.), Brancs.
 3279 5 *intermissa*, Brancs.
 (*Cristataria, Vest.*)
 3280 *laodicensis*, Fér.
 3281 *dauidiana*, Bgt.
 3282 *prophetarum*, Bgt.
 3283 *delesserti*, Bgt.
 3284 *fauciata* (Parr), Rossm.
 3285 *zelebori*, Rossm.
 3286 *stussineri*, Bttg.
 (1557) *boissieri*, Charp.
 3287 1 *birugata* (Parr), Ch.
 (1559) *porrecta* (Friw.), Rossm.
 3288 1 *crebricostata*, Bgt.
 3289 *staudingeri*, Bttg.
 (*Oligoptychia, Boettger.*)
 3290 *brunnea* (Z.), Rossm.
 3291 *hueti*, Mort.
 3292 *lævicollis* (Parr), Ch.
 3293 1 *tokatensis*, Nagele.

Clausilia, Draparnaud.—continued.

- (*Oligoptychia, Boettger.*)—continued.
- 3294 *bicarinata* (Z.), Rossm.
 3295 1 *bichroa*, Bttg.
 3296 *sowerbyana*, Pfr.
 3297 1 *imperialis*, Bttg.
 3298 *taurica*, Kryn.
 (1564) *bicristata*, Rossm.
 3299 *b. volensis*, Bttg.
 3300 *c. kumensis*, Bttg.
 3301 *d. samothracana*, Bttg.
 3302 *eustropha*, Bttg.
 (1567) *kephissæ*, Roth.
 (1568) 1 *pikermiana*, Roth.
 3303 *a. cristicollis*, West.
 3304 *rothi*, Pfr.
 (1571) *castalia*, Roth.
 3305 1 *crenilabris*, Bttg.
 (*Papillifera, Boettger.*)
 (1573) *oscitans*, Fér.
 3306 1 *pseudosyracusana*, C. Gallo.
 3307 2 *doliolum*, Marts.
 3308 3 *torcula*, Marts.
 (1575) *isabellina*, Pfr.
 3309 *a. æginæ*, West.
 (1581) *venusta*, A. Schm.
 3310 1 *pusilla*, Bttg.
 (1582) *thermopylarum*, Pfr.
 3311 1 *perplana*, Bttg.
 3312 2 *crassilabris*, Bttg.
 (1586) *saxicola* (Parr), Pfr.
 3313 4 *strangolia*, West.
 3314 5 *thessala*, Bttg.
 (1590) *negropontina*, Pfr.
 3315 2 *hanleyana*, Pfr.
 3316 *chelidromia*, Bttg.
 3317 1 *gicurica*, Bttg.
 3318 *suturalis* (Parr), Rossm.
 3319 *clandestina* (Parr), Rossm.
 3320 1 *dissimilis*, West.
 3321 2 *thiesseæ*, Bttg.
 3322 3 *patula*.
 3323 *anguina* (Parr), Pfr.
 (1595) *leucostigma*, Zieg.
 3324 3 *bulimella*, Paul.
 3325 4 *marsicana*, Tib.
 3326 5 *vestina*, Tib.
 (1600) *solida*, Drap.
 3327 1 *machuriana*, Risso.
 3328 2 *cajetana*, Rossm.

Clausilia, Draparnaud.—continued.*(Papillifera, Boettger.)*—continued.

- (1601) bidens, Lin.
 3329 1 circinata, Paul.
 3300 2 vitrea (Stentz.), Ant.
 (1603) virgata, Jan.
 3331 4 transitans, Paul.
 3332 agrigentina, Bgt.
 3333 catalonica, Fagot.
 3334 punica, Bgt.
(Gracilaria, Bielz.)
 (1610) corynodes, Held.
 3335 1 saxatilis (Mouss), A. Schm.
 (1613) filograna (Z.), Mouss.
 3336 a. polita, Kim.
 3337 1 transsylvanica, Bielz.
 3338 2 catarrhactæ, Bielz.
 3339 3 grandis (Haz.), Cless.
 3340 4 polita, Kim.
(Cusmicia, Brusina.)
 (1619) villæ, Mühlf.
 3341 1 brembina, Strob.
 (1623) parvula, Stud.
 3342 a. major.
 3343 b. minor.
 3344 c. minima, Pfr.
monst. dextrorsa.
 3345 1 agrestis, M. Tand.
 3346 approximans (Z.), A. Schm.
 (1626) dubia, Drap.
 3347 8 gobanzi (Parr), Pfr.
 3348 9 transiniensis, Brancs.
 3349 10 maxima, Brancs.
 3350 11 carpathica, Brancs.
 3351 a. minima, Brancs.
 3352 b. costata, Brancs.
 3353 12 fagotiana, Bgt.
 3354 13 schlechti (Zel.), A. Schm.
 3355 14 albicillata (Parr), West.
 3356 15 compar (Z.), West.
 3357 16 longobardica, Pini.
 3358 17 alpicola, Cless.
 3359 18 sordillii, Adams.
 3360 19 affinis, Zgt.
 3361 20 ambigua, Zgt.
 3362 21 conformata, Zgt.
 (1636) bidentata, Ström.
 3363 4 exigua, West.
 3364 5 elongata, Cless.
 3365 6 maratzii, Stentz.

Clausilia, Draparnaud.—continued.*(Cusmicia, Brusina.)*—continued.

- 3366 7 obtusa, Parr.
 3367 8 circinata, Paul.
 3368 9 albida.
 (1640) rugosa, Drap.
 (1643) 3 crenulata, Risso.
 3369 a. isseli, Villa.
 3370 4 pinii, West.
 3371 5 advena, Zieg.
 3372 b. oceanica, Zieg.
 (1646) cruciata, Studer.
 3373 2 triplicata (Hn), A. Schm.
 (1648) pumila (Z.), C. Pfr.
 3374 1 fuscosa (Parr), A. Schm.
 3375 2 leptostoma (Parr), A. Schm.
(Pirostoma, Vest.)
 (1655) tumida (Z.), Kust.
 3376 a. minor, Scholtz.
 3377 1 sobrina, West.
 (1652) ventricosa, Drap.
 3378 2 ophthalmica, Zieg.
 (1656) lineolata, Held.
 (1658) 2 basileensis (Fitz.), Gred.
 3379 b. attenuata (Z.), Rossm.
 3380 3 mellæ, Stab.
 (1665) plicatula, Drap.
 3381 a. elongata, A. Schm.
 3382 b. rusiostoma, Held.
 3383 4 roscida (Stud.), A. Schm.
 3384 5 inuncta (Mühlf.), Pfr.
 3385 6 senex, West.
 3386 7 attenuata, West.
 3387 8 convallicola, West.
 3388 9 alpestris, Cless.
 3389 10 plicatulina, Pini.
 3390 11 schwabi, Zel.
 3391 12 vulgaris, Pini.
 3392 13 mellæ, Marts.
 3393 14 sororcula, de Stef.
 (1669) latestriata (Bz.), A. Schm.
 3394 a. minor.
 3395 1 borealis, Bttg.
(Serrulina, Mouss.)
 (1676) serrulata (Midd.), Pfr.
 3396 1 erivanensis, Iss.

Fam. VI.—Stenogyridæ.**Stenogyra, Shuttleworth.**

- (1678) decollata, Lin.

Stenogyra, Shuttleworth.—continued.

- 3397 2 maura, Crosse.
 3398 3 saharica, Deb.
 3399 4 fasciolata, Bgt.
Cionella, Jeffreys.
 (*Zua, Leach.*)
 (1680) lubrica, Müll.
 3400 4 minima, Bttg.
 (*Azeca, Leach.*)
 (1685) tridens, Pult.
 3401 a. crystallina.
 3402 monodonta, Fol. and Bér.
 (*Hypnophila, Bourguignat.*)
 3403 zakynthia, Roth.
 (*Ferussacia, Risso.*)
 3404 amauronia, Bourg.
 3405 proechia, Bourg.
 3406 oranensis, Bourg.
 3407 montana, Bourg.
 3408 carnea, Risso.
 3409 microxia, Bourg.
 (1708) gracilentia, Morel.
 3410 a. major.
 3411 abia, Bourg.
 (*Coelestele (Bens), Bourguignat.*)
 3412 lævigata, Bourg.
 3413 hispanica, Bourg.
 3414 servaini, Bourg.
 (*Howenwarthia, Bourguignat.*)
 3415 paladilhi, Bourg.

Fam. VII.—Succineidæ.**Succinea, Draparnaud.**

- (1733) putris, Lin.
 3416 10 bavarica, Cless.
 3417 11 grandis, Hazay.
 3418 12 westerlundiana, Hazay.
 3419 13 perfecta (Haz.), Cless.
 3420 14 charpyi, Baud.
 3421 15 albianica, Hazay.
 3422 stagnalis, Gass.
 3423 ægyptiaca, Ehrbg.
 (1746) hungarica, Hazay.
 3424 1 hasta, Hazay.
 (1748) elegans, Risso.
 3425 5 strepholena, Bourg.
 3426 6 baudoniana, Pini.
 (1754) debilis (Morel), Pfr.
 3427 a. virescens, Morel.
 3428 martensiana, Noll.

Succinea, Draparnaud.—continued.

- 3429 hordacea, Jous.
 3430 dupuyana, Bourg.
 (1755) pfeifferi, Rossm.
 3431 7 intricata, Paul.
 3432 8 brevispirata, Baud.
 3433 9 microstoma, Cless.
 3434 10 diphya, West.
 3435 lutetiana, Mab.
 (1766) arenaria, Bouch.
 3436 1 brachya, Bourg.

Sub-Order II.—Hygrophila, Fer.**Fam. I.—Auriculidæ.****Carychium, Müller.**

- (1769) minimum, Müll.
 3437 1 inflatum, Hartm.

Zospeum, Bourguignat.

- 3438 schmidti, Frfld.
 (1776) reticulatum, Hauffen.
 3439 1 bidentata, Hauff.

Fam. II.—Limnoideæ.**Amphipeplea, Nilsson.**

- (1780) glutinosa, Müll.
 3440 1 anceyi, Bourg.

Limnæa (Brug.), Rang.

- (1781) stagnalis, Lin.
 3441 6 raphidia, Bourg (= subula, Parr.)
 3442 7 vulgaris, West.
 3443 8 ampliata, Cress.
 3444 9 producta, Colbean.
 3445 10 palustriformis, Kobelt.
 3446 11 fucinensis, Paul.
 3447 12 turgida, Menke.
 3448 13 borealis, Bourg.
 3449 14 angulosa, Cless.
 (1785) 4 lacustris, Studer.
 3450 1 bodamica, Cless.
 3451 15 bottnica, Cless.
 3452 16 baltica, Lindstr.
 (1787) auricularia, Lin.
 3453 2 canalis, Villa.
 3454 3 contracta, Cless.
 3455 4 cærulea, Cless.
 3456 tumida, Held.
 (1790) mucronata, Held.
 3457 2 rubella, Cless.

Limnæa (Brug.), Rang.—continued.

- 3458 3 alpestris, Cless.
 (1793) lagotis, Schr.
 3459 4 attica, Roth.
 3460 5 anderssoni, Cless.
 (1797) ovata, Drap.
 3461 8 fontinalis, Stud.
 3462 9 marginata, Mich.
 3463 10 patula, Da Cost.
 3464 11 sericata, West.
 3465 12 amnicola, West.
 3466 13 succinea, Nilss.
 (1807) peregra, Müll.
 3467 23 peregro-ovata, Rossm.
 3468 24 apricensis, Ad.
 3469 25 excerpta, Hn.
 3470 26 alpicola, West.
 3471 27 ambigua, West.
 3472 28 blauneri, Sh.
 3473 29 fulva (Z.), F. Schm.
 3474 30 meta, West.
 (1820) (13) nivalis, Pini.
 3475 1 glacialis, Pini.
 3476 31 microstoma, Kobelt.
 3477 32 brandisi, Brancs.
 3478 33 diaphana, Zieg.
 3479 34 anomala, Cless.
 3480 35 rimata, Bra.
 3481 36 solidula, Hartm.
 3482 37 nitida, Zieg.
 3483 38 æthiopica, De Betta.
 impura, Trosch. (type not in coll.)
 3484 1 oxiana, Bttg.
 (1830) palustris, Müll.
 3485 7 pellucida, Roff.
 3486 8 fallaciosa, Roff.
 3487 9 maritima, Cless.
 (1837) turricola, Held.
 3488 1 transsylvanica, Kim.
 (1844) truncatula, Müll.
 3489 3 maximella, Colb.
 3490 4 microstoma (Drt.), Baud.
 3491 *monst. subangulata*, Bofill.

Planorbis, Guettard.

- (1849) corneus, Lin.
 3492 1 etruscus, Bourg.
 3493 2 tacitianus (Let.), Serv.
 3494 stenostoma, Bourg.
 (1853) metidjensis, Forbes.
 (1854) 1 dufouri, Graills.

Planorbis, Guettard.—continued.

- 3495 *a. algerica*, Bourg.
 3496 2 aclopus, Bourg.
 3497 boissyi, Pot. and Mich.
 (1855) umbilicatus, Müll.
 3498 *a. subcarinatus*, Kobelt.
 3499 3 arethusæ, Cless.
 (1861) vortex, Lin.
 3500 2 compressus, Mich.
 3501 3 discoides, Reinh.
 (1868) leucostoma, Mill.
 3502 *b. perizii* (Graëlls), Dup.
 3503 dazuri, Mörch.
 3504 *a. hazayana*, Cless.
 (1871) albus, Müll.
a. hispidus, Drap.
 3505 socius, West.
 3506 arcticus, Beck.
 3507 brondeli, Raym.
 3508 janinensis, Mouss.
 3509 ehrenbergi, Beck.
 3510 thermalis, West.
 3511 devians, Porro.
 3512 euphæus, Bourg.
 (1888) nitidus, Müll.
 3514 1 distinguendus, Gredl.
 3515 alexandrinus, Ehrbg.

Ancylus, Geoffroy.

- (1891) fluviatilis, Müll.
 3516 *a. fabræi*, Dup.
 3517 *b. riparia*, Desmarest.
 3518 4 meridionalis, Bk.
 3519 5 westerlundi, Cless.
 3520 epipedus, Bourg.
 3521 striatus, Gu. and Gain.
 3522 vitraceus, Morel.
 (1900) pileolus, Fér.
 3523 1 tinei, Bourg.

Fam. III.—Physidæ.**Physa, Draparnaud.**

- (1902) fontinalis, Lin.
 3524 1 bulla, Müll.
 3525 2 coronadei, Serv.
 (1903) acuta, Drap.
 3526 3 mamotica, Gulia.
 3527 4 gibbosa, Moq. Tand.
 3528 achajæ, West.
 (1907) contorta, Mich.
 3529 1 brochii, Ehrbg.

Physa, Draparnaud.—continued.

- 3530 2 truncata, Fér.
 3531 3 cyanea, Ben.
 3532 4 aradæ, Ben.
 3533 forskali, Ehrbg.

Order II.—Prosobranchiata.**Sub-Order I.—Pectinibranchiata.****TÆNIOGLOSSA.****Fam. I.—Acmidæ.****Acme, Hartmann.**

- (1912) lineata, Hartmann.
 3534 a. alba.
 3535 moutoni, Dup.

Fam. II.—Cyclostomidæ.**Pomatias, Studer.**

- (1917) scalarinus, Villa.
 3536 1 schmidti (De Betta), West.
 3537 oostoma, West.
 (1922) striolatus, Porro.
 3538 1 dephilippi, Pini.
 (1935) partioti, Moq. Tand.
 3539 1 crosseanus, St. Simon.
 3540 martorelli (B.), Serv.
 (1935) septemspiralis, Raz.
 3541 2 gardensis, Pini.
 3542 3 bosniacus, Bttg.
 (1940) auritus (Z.), Rossm.
 3543 1 chelys, West.
 3544 2 meridionalis, Bttg.
 3545 achaiacus, Bttg.
 3546 corcyrensis, West.
 (1941) tessellatus, Wiegman.
 3547 1 griseus, Mouss.
 3548 pontebbanus, Stoss.
 3549 henoni, Bourg.
 3550 tunetanus, Let. and Bourg.
 3551 perseianus, Kobelt.
 3552 1 ziguensis, Kobelt.
 3553 atlanticus (Let.), Bourg.
 3554 rugosus, Cless.
 3555 tortivus, West.
 3556 banaticus (Fag.), West.
 3557 subalpinus, Pini.
 3558 valsabinus, Pini.
 3559 stabilei, Pini.

Pomatias, Studer.—continued.

- 3560 reconditus, Pini.
 3561 scospes, West.
 3562 alleryanus, Paul.
 3563 sardous (Maltz), West.
 (1961) philippianus, Gredl.
 3564 1 pachystoma, Gredler.
 (1963) henricæ, Strob.
 3565 1 glaucina, Gredl.
 3566 stossichi, Cless.
 3567 gronovianus, Stoss.
 3568 liburnicus, Hirc.
 3569 montserraticus, Bourg.
 3570 montsicci, Fagot.
 3571 nogueræ, Fagot.
 3572 pachycheilus, West.
 3573 pechaudi, Bourg.
 3574 prevaldianus, Stoss.

Cyclostoma, Draparnaud.

- (1970) sulcatum, Drap.
 3575 3 ischuraulaxum, Fagot.
 3576 a. candidum, Fagot.
 3577 4 siculum, Sow.
 3578 lutetianum, Bourg.
 3579 scrobiculatum, Mouss.

Sub-Order II.—Hydrophila.**Fam. I.—Paludinidæ.****Paludina, Lamarck.**

- 3580 acerosa, Bourg.
 3581 unicolor, Oliv.
 (1981) vivipara, Lin.
 3582 1 pyramidata, Rossm.

Cleopatra, Troschel.

- (1986) bulimoides, Oliv.
 3583 1 vexillata (Parr), Marts.
 3584 verreuxiana, Bourg.
 3585 1 ægyptiaca (Mühlf.), West.

Fam. II.—Bythiniidæ.**Bythinia, Leach.**

- (1993) leachi, Sheppard.
 3586 1 italica, Paul.
 3587 villæ, Sandr.
 3588 adriatica, Let.
 3589 goryi, Bourg.
 3590 mostarensis, Mlldf.
 (2001) rubens, Mouss.
 3591 1 anapensis, Ben.
 3592 sennarica (Parr), Kust.

*Fam. III.—Rissoidea.***Paludinella, Rossmassler.***(Lartelia, Bourguignat.)*

- 3593 charpyi, Pal.
 duveyrieri, Bourg.
 3594 diaphana, Mich.
 3595 1 vitrea, Dup.

(Hydrobia, Hartmann.)

- 3596 musaensis, Frfld.
 3597 montenegrina, Frfld.
 3598 steini, Marts.
 3599 peracuta, Pal.
 3600 conoidea, Reyn.
 3601 ortigia, Ben.
 3602 brondeli, Bourg.
 3603 oranensis, Bourg.
 3604 jenkinsi, E. Smith.
 3605 1 carinata, E. Smith.
 (2012) aponensis, Marts.
 3606 1 foxianensis, de Stef.
 3607 maxima, Dybows.
 3608 peraudieri, Bourg.
 3609 acerosa, Bourg.

(Peringia, Paladilhe.)

- 3610 girardoti, Pal.

(Belgrandia, Bourguignat.)

- 3611 cazioti (Nic.), West.
 (2020) thermalis, Lin.
 3612 1 minuta, Paul.
 3613 controversa (Paul), Del. Pret.
 3614 sequanica (Bourg.), Pal.

(Moitessieria, Bourguignat.)

- 3615 simoniana, Ch.

(Maresia, Bourguignat.)

- 3616 dolichia, Bourg.

Paludinella, Mouss.*(Bythinella, Moq. Tandon.)*

- 3617 carinulata, Drt.
 3618 subovata, Pal.
 3619 chilodia, West.
 3620 solidula, Brancs.
 (2034) opaca (Z.), Frfld.
 3621 1 isseli, Gentilh.
 3622 epirotica, Bttg.
 (2040) lacheineri (Ch.), Kust.
 3623 3 apfelbecki, Brancs.
 3624 croatica (Cl.), Hirc.
 3625 redoubi, Bourg.
 3626 punica, Let. and Bourg.
 3627 challameliana, Bourg.

Paludinella, Mouss.—continued.*(Bythinella, Moq. Tandon.)—continued.*

- 3628 rubiginosa, Boubée.
 3629 sorgica, Cont.
 (2051) schmidti (Ch.), Kust.
 3630 3 vitrea, Auct. plur.
 3631 alta, Cless.
 3632 1 bavarica, Cless.
 3633 lata, Frfld.
 3634 microcochlia, Let. and Bourg.
 3635 robici, Cless.
 3636 turgidula, Pal.

(Pseudamnicola, Paul.)

- 3637 spirata, Pal.
 3638 compacta, Pal.
 3639 melitensis, Pal.
 3640 siculina, Ben.
 3641 virescens, Kust.
 3642 valvatiformis, Mlldf.
 3643 pycnocheilia, Bourg.
 3644 constantinæ, Let.
 3645 pomariensis, Let.
 3646 picnolena, Bourg.
 3647 lutea, Bourg.
 3648 pygmæa, Mich.
 3649 limnoides, Paul.
 3650 benoiti, Marts.
 3651 fusca, Marts.
 3652 globulinus, Marts.
 3653 raddei, Bttg.

Lithoglyphus, Mühlfort.

- (2077) naticoides (Fér), C. Pfr.
 3654 2 berolinensis, West.
 (2079) fluminensis (Sadler), Schm.
 3655 1 sadlerianus (Schm.), Hauff.

Emmericia, Brusina.

- (2086) patula, Brum.
 3656 b. scalaris, Neum.
 3657 mostariensis, Stoss.
 3658 montenegrina (Let.), Bourg.
 3659 fluminensis, Stoss.

*Fam. IV.—Melanidea.***Melania, Lamarck.**

- (2094) holandre, Fér.
 3660 6 semiplicata, Brus.
 3661 7 pilariana, Bourg.
 3662 8 thessala, Bttg.
 3663 9 letourneuxi, Bourg.
 3664 crassa, Kutsch.

Melanopsis, Féruſſac.

- (2100) acicularis, Féruſſac.
 3665 2 aciculella (Z.), Schm.
 3666 3 peracuta, Bourg.
 3667 4 stossichiana, Bourg.
 3668 5 biharensis (Haz.), Cless.
 (2102) esperi, Féruſſac.
 3669 2 pfeifferi, Bourg.
 (2104) præmorsa, Lin.
 3670 1 sphæroidea, Bourg.
 3671 2 saharica, Bourg.
 (2112) costata, Olivi.
 3672 2 moraldi, Ziegl.
 3673 3 irregularis, Mouss.
 3674 kotschiyi (v.d. Buck), Phil.
 3675 stussineri, Bttg.
 guiraoi, Bourg. (type not in coll.)
 3676 1 scalaris, Gass.
 3677 hammanensis, Gass.
 3678 maresi, Bourg.
 3679 tunetana, Morel.

*Fam. V.—Valvatidae.***Valvata, Müller.**

- 3680 lacustris, Cless.
 (2128) piscinalis, Müll.
 3681 1 kliniensis, Milasch.
 3682 discors, West.
 3683 obtusa, Studer.
 3684 depressa, C. Pfr.
 3685 naticina, Menke.
 3686 umbilicata, Fitz.
 3687 pulchella, Studer.
 (2136) cristata, Müll.
 3688 1 spirorbis, Drap.

*Sub-Order II.—Scutibranchiata.**Rhipidoglossa.**Fam. Neritinae.***Neritina, Lamarck.**

- (2139) jordani, Sow.
 3689 2 turris, Mouss.
 (2141) anatolica, Recluz.
 3690 b. hausknechti, Marts.
 (2148) fluviatilis, Lin.
 (2150) 2 littoralis, Bk.
 3691 a. baltica, Bk.
 3692 11 transversalis (Z.), C. Pfr.
 3693 a. castanea, Zeleb.

Neritina, Lamarck.—continued.

- 3694 12 anapensis, Marts.
 3695 13 bourguinati, Recluz.
 (2163) meridionalis, Phil.
 3696 b. lutescens, Mühlf.
 3697 syriaca, Bourg.
 3698 a. ledereri, Zel.

Class II.—PELECYPODA.**Order I.—Tetrabranchia.***Sub-Order.—Submytilacea.**Fam. Unionidae.***Unio, Retzius.**

- 3699 auricularis, Speng.
 3700 letourneuxi, Bourg.
 3701 kochi, Kobelt.
 3702 oriliensis, Stab.
 3703 vicarius, West.
 3704 desectus, Drt.
 3705 gangrenosus (Z.), J. F. Schm.
 3706 mancus, Lam.
 3707 macrorhynchus, Bourg.
 3708 brianteus, Pini.
 3709 blaunera, Stab.
 3710 vulgaris, Stab.
 3711 falsus, Bourg.
 3712 larius, Drt.
 3713 proechus, Bourg.
 3714 jonicus, Bl.
 3715 aradasi, Phil.
 3716 villæ, Stab.
 3717 turtoni, Payr.
 3718 borcherdingi, Bourg.
 3719 tristrami, Loc.
 3720 eucirrus, Bourg.

Anodonta, Cuvier.

- 3721 delpretii, Bourg.
 3722 moulinsiana, Dup.
 3723 balatonica, Serv.
 3724 sturmi, Bourg.
 3725 alseria, Drt.
 3726 potiezi, Bourg.
 3727 pachyproktus, Borcherd.
 3728 microptera, Borcherd.

Spatha, Lea.

- 3729 caillaudi, Martens.

*Sub-Order.—Conchacea.**Fam. Cyrenidæ.*

- Corbicula, Mühlfeldt.**
 3730 ægyptiaca, Bourg.
Sphærium, Scopoli.
 3731 ovale, Fér.
 3732 wildi, Cless.
 3733 mamillatum, West.
 3734 duplicatum, Cless.
 3735 westerlundi, Cless.
 3736 brochonianum, Bourg.
 3737 1 deshayesianum, Haz.

Pisidium, C. Pfeiffer.

- (2292) nitidum, Jeff.
 3738 1 splendeus, Jeff.
 (2294) fontinale, C. Pfr. = fossarinum, Cless.
 3739 1 areolatum, Cless.
 (2297) casertanum, Poli.
 3740 1 australe, Phil.
 3741 2 gassiesianum, Dup.
 3742 3 cinereum, Alder.
 3743 sordillianum, Cless.
 3744 ovatum, Cless.
 3745 pallidum, Gass.
 3746 subtruncatum, Malm.
 3747 1 cuneatum, Bielz.

MOLLUSCA OF THE MADEIRAN PROVINCE.

SUPPLEMENT.

Class.—GASTEROPODA.**Order.—Pulmonata.***Sub-Order I.—Geophila.**Fam. I.—Limacidæ.*

- Limax, Linné.**
 (51) gagates, Drap.
Arion, Férussac.
 (170) ater, Lin.
Vitrina, Draparnaud.
 3748 brumalis, Morel.
 3749 brevispira, Morel.
Hyalinia, Agassiz.
 3750 circumcessa, Shutt.

Fam. II.—Helicidæ.

- Helix, Linné.**
 (*Campylæa, Beck.*)
 (2318) portosanctana, Sow.
 3751 1 cimensis, Woll.
 (*Cryptaxis, Lowe.*)
 3752 vulcanica, Lowe.

Helix, Linné.—continued.

- (*Leptaxis, Lowe.*)
 (2332) erubescens, Lowe.
 3753 2 advenoides, Paiva.
 3754 azorica, Albers.
 (*Hemicycla, Sowerby.*)
 3755 guanartenes, Grass.
 3756 malleata, Fér.
 3757 glasiana, Shutt.
 (*Plebecula, Lowe.*)
 (2350) nitidiuscula, Sow.
 3758 1 hartungi, Albers.
 (*Placentula, Lowe.*)
 3759 tæniata, Webb and Bar.
 3760 micromphala, Lowe.
 (*Gonostoma, Lowe.*)
 3761 fortunata, Shutt.
 (*Hystricella, Lowe.*)
 3762 leacockiana, Woll.
 (*Discula, Lowe.*)
 (2393) polymorpha, Lowe.
 3763 8 arenicola, Lowe.
 (*Coronaria, Lowe.*)
 3764 watsoni, J. Y. Johnson.

Helix, Linné.—continued.*(Lemniscia, Lowe.)*

- 3765 tumulorum, Webb and Bar.
 3766 woodwardia (Tern.), Mouss
 3767 monilifera, Webb and Bar.

*Fam. III.—Pupidæ.***Bulimus, Scop.**

- 3768 sancta-marionus, Morel.
 3769 hartungi, M. and D.
 3770 delibutus, M. and D.
 3771 guerreanus, Grass.
 3772 variatus, Webb and Bar.
 3773 myosotis, Webb and Bar.
 3774 propinquus, Shutt.
 3775 bæticatus, Fér.
 3776 tarnerianus, Grass.
 3777 tabidus, Shutt.
 3778 anaga, Grass.
 3779 obesatus, Fér.
 3780 bertheloti, Pfeiff.
 3781 conseoanus, Mouss.

Pupa, Drap.*(Gibbulina, Beck.)*

- 3782 dealbata, Webb and Bar.

Pupa, Drap.—continued.*(Scarabella, Lowe.)*

- 3783 cassida, Lowe.
(Liostyla, Lowe.)
 3784 fuscidula, Morel.
 3785 fasciolata, Morel.
 3786 tessellata, Morel.
(Craticula, Lowe.)
 3787 vermiculosa, Morel.

*Sub-Order II.—Hygrophila.**Fam. Limnæidæ.***Limnæa, Drap.**

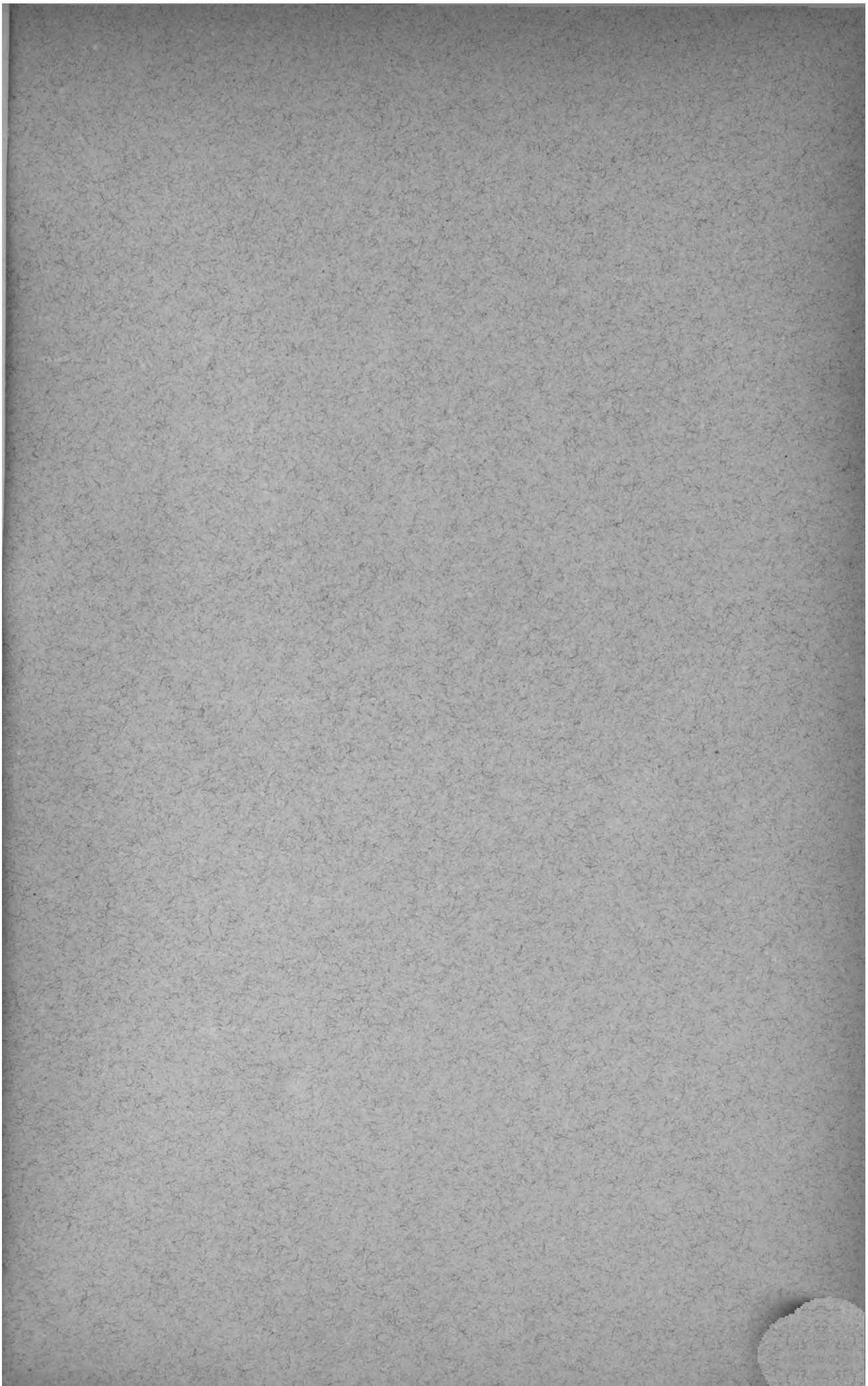
- (1787) auricularia, Lin.
 3788 5 ribeirensis, Beib.

Physa, Draparnaud.

- 3789 forskali, Ehrenb.

Order II.—Prosobranchiata.*Sub-Order Pectinibranchiata.**Fam. Cyclostomatidæ.***Cyclostoma, Draparnaud.**

- 3790 lævigatum, Webb and Bar.



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MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., F.R.S., F.L.S., &c.

VII. SPONGOZOA.

VIII. RHIZOPODA.

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* This word has been employed in a somewhat different sense; but I use it as an appropriate name for a section of the Cœlenterata, which embraces as other sections the Actinozoa and Hydrozoa.

PREFATORY NOTES.

The North Atlantic is here regarded as limited by lat. 35° N., or as extending a little to the South of the Strait of Gibraltar on the Eastern and to about Cape Hatteras on the Western side.

All the Sponges of the following lists were found within the area thus embraced, but some of the Foraminifera are from the more tropical parts of the Atlantic, these are indicated by an (*) placed before the number. Most of them may, however, be expected to be found hereafter North of lat. 35° on the Western side of the Atlantic.

The nomenclature of the Sponges is at present in deplorable confusion. To properly synonymize the species of the following lists would require years to be devoted to their examination and study. Moreover, since the value of the present collection consists in the fact that almost all the representatives in it are types or portions of types, and on this account most important for future reference, I have retained throughout the nomenclature of the respective describers, who have named the species.

The British Calcareous Sponges, collected by myself, were used both by Dr. Bowerbank and by Prof. Haeckel in the preparation of their works; and the Siliceous Sponges all passed through the hands of the former, and are for the most part mentioned in his monograph, while a large number of them are, at the present time, unique types. The remaining portion of this collection embraces specimens or sections and mountings of the spicula of types for which I am indebted to almost every author who has written on the Sponge-fauna of the Atlantic and Arctic oceans.

I shall be much obliged to any naturalists who can in the future help to extend the collection in a similar manner, and to whom in return I shall be glad to send specimens or mountings of types. It will be seen that this collection is very rich in Northern Sponges, but there are about one hundred described Mediterranean species absent from it, nor have I those European freshwater forms, which are not found in England.

The freshwater Rhizopoda have all been received from M. Penard, and I have therefore thought it best strictly to follow the nomenclature of his work, "*Etudes sur les Rhizopodes d'eau douce, 1890.*"

The marine Rhizopoda, or Foraminifera, are named in accordance with the great work on the "Challenger" Foraminifera by my late lamented friend, Dr. H. B. Brady. They are partly the product of my own dredgings carried out on almost every part of the coast of our islands, and of excursions during four summers to Norway and Finmark; and partly the results of the examination of material kindly supplied to me from the "Porcupine," "Knight Errant," "Triton," "Valorous," and "Challenger" expeditions. A few species have been added by the kindness of friends, chiefly by the late Dr. H. B. Brady, Mr. Joseph Wright, and the Royal Museum of Stockholm (Dr. Goës).

The Atlantic and Arctic Foraminifera are very fully represented, but I have very few forms from the Mediterranean, in which sea, indeed, they have been little studied, while the species of the North-East American coast have not as yet received any attention.

Letters should be addressed—

BURNMOOR RECTORY,
FENCE HOUSES,
CO. DURHAM.

Catalogues already published :—

- { I.—ECHINODERMATA.
- { II.—PANTOPODA.
- III.—CRUSTACEA.
- { IV.—MOLLUSCA MARINA.
- { V.—BRACHIOPODA.
- VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

June 1, 1892.

MUSEUM NORMANIANUM.

VII.—SPONGOZOA (= PORIFERA).

I.—Order—CALCAREA.

In the following Calcarea the appended letters mean :—

B.—British specimens first determined by Dr. Bowerbank, and secondly used and referred to by Prof. Haeckel in his monograph.

C.—Specimens received from the Copenhagen Museum.

H.—Specimens received from Prof. Haeckel.

Han.—Mounting of Spicules received from Mr. Hanitsch.

N.—Specimens received from the Zoological Station, Naples.

S.—Specimens received from Prof. O. Schmidt.

Fam. I.—Ascones.

Ascetta, Haeckel.

- 1 primordialis, Haeckel *Z.*
- 2 coriacea, Mont. *B.H.*
- 3 clathrus, O. Schmidt *H.N.*
- 4 blanca, Haeckel *N.*

Ascaltis, Haeckel.

- 5 botryoides, Ell. and Sol. *B.*
- 6 cerebrum, Haeckel *H.*

Ascortis, Haeckel.

- 7 lacunosa, Bean. *B.*

Ascandra, Haeckel.

- 8 reticulum, O. Schmidt *S.*
- 9 contorta, Bow. *B.*
- 10 complicata, Mont. *B.*
- 11 botrys, Haeckel *B.*
- 12 variabilis, Haeckel *B.H.*

Fam. II.—Leucones.

Leucaltis, Haeckel.

- 13 pumila, Bow. *B.*
- 14 solida, O. Schmidt *H.N.*

- 15 impressa, Hanitsch *Han.*

Leucandra, Haeckel.

- 16 Egedii, Haeckel *C.*
- 17 Gossei, Bow. *B.*
- 18 crambessa, Haeckel *H.*
- 19 aspera, O. Schmidt *H.N.*
- 20 fistulosa, Johnst. *B.*
- 21 ananas, Mont. *B.*
- 22 nivea, Grant *B.H.*
- 23 Johnstoni, Carter *B.*
- 24 stiligera, Haeckel *C.*

Fam. III.—Sycones.

Sycortis, Haeckel.

- 25 quadrangulata, O. Schmidt *B.*

Sycandra, Haeckel.

- 26 ciliata, O. Fab. *B.H.*
- 27 raphanus, O. Schmidt *H.N.*
- 28 capillosa, O. Schmidt *S.*
- 29 elegans, Bow. = tessellata, Bow. *B.H.N.*
- 30 hystrix, Haeckel *N.*
- 31 utriculus, O. Schmidt *B.*
- 32 villosa, Haeckel *B.*
- 33 arctica, Haeckel *C.*
- 34 glabra, O. Schmidt = ensata, Bow. *B.H.N.*
- 35 compressa, O. Fab. *B.*

Poléjaeff, in his report on the Calcarea of the "Challenger" expedition, would place the whole of the *Ascones* of the preceding list in the genus *Leucosolenia*, Bow.; the whole of the *Leucones* in *Leuconia*, Bow.; *Sycandra compressa* in *Grantia*, Fleming; *Sycandra glabra* in *Ute*, O. Schmidt, and the remaining *Sycandrae* and *Sycortis* in *Sycon*, Risso. R. von Lindenfeld, in his work just published, "Die Spongien der Adria," distributes the Calcarea in twenty-one genera.

II.—BRITISH SPONGES.

(Bowerbank's nomenclature.)

Order—Silicea.

- Pachymatisma, Bowerbank.**
 36 Johnstonia, Bow.
- Normania, Bowerbank.**
 37 crassa, Bow.
- Ecionemia, Bowerbank.**
 38 compressa, Bow.
 39 ponderosa, Bow.
- Polymastia, Bowerbank.**
 40 robusta, Bow.
 41 brevis, Bow.=Quasillina brevis,
 Norman.
 42 spinula, Bow.
 43 mamillaris, Müll.
 44 conigera, Bow.
- Ciocalypta, Bowerbank.**
 45 penicillus, Bow.
- Tethya, Lamarck.**
 46 cranium, Müll.
 47 Collingsii, Bow.
 48 Schmidtii, Bow.
 49 lyncurium, Lin.
 50 spinularia, Bow.
- Halicnemia, Bow.**
 51 patera, Bow.
- Dictyocylindrus, Bow.**
 52 stuposus, Mont.
 53 ramosus, Mont.
 54 radiosus, Bow.
 55 Howsei, Bow.
 56 hispidus, Mont.
 57 aculeatus, Bow.
 58 fascicularis, Bow.
 59 virgultosus, Bow.
 60 pumilus, Bow.
 61 rugosus, Bow.
 62 rectangulus, Bow.
- Phakellia, Bow.**
 63 robusta, Bow.
 64 ventilabrum, Lin.
- Microciona, Bow.**
 65 fictitia, Bow.
 66 Kentii, Bow.
 67 tumulosa, Bow.
 68 simplicissima, Bow.
 69 fallax, Bow.
 70 armata, Bow.
- Microciona, Bow.—continued.**
 71 ambigua, Bow.
 72 plumosa, Mont.
 73 atrasanguinea, Bow.
- Hymenaphia, Bow.**
 74 vermiculata, Bow.
 75 clavata, Bow.
 76 stellifera, Bow.
 77 simplex, Bow.
 78 coronula, Bow.
- Hymedesmia, Bow.**
 79 occulta, Bow.
 80 radiata, Bow.
 81 indistincta, Bow.
 82 pansa, Bow.
 83 pilata, Bow.
 84 pulchella, Bow.
 85 stellata, Bow.
 86 simplicissima, Bow.
 87 tenuicula, Bow.
 88 zetlandica, Bow.
- Hymeniacidon, Bow.**
 89 albescens, Johnst.
 90 Thomasii, Bow.
 91 coccineus, Bow.
 92 perarmatus, Bow.
 93 membrana, Bow.
 94 firmus, Bow.
 95 placentula, Bow.
 96 armiger, Bow.
 97 Brettii, Bow.
 98 fragilis, Bow.
 99 reticulatus, Bow.
 100 fallaciosus, Bow.
 101 tegeticula, Bow.
 102 solidus, Bow.
 103 perlævis, Mont.
 104 crustula, Bow.
 105 caruncula, Bow.
 106 sanguineus, Grant.
 107 mammeatus, Bow.
 108 consimilis, Bow.
 109 macilentus, Bow.
 110 fallax, Bow.
 111 virgultosus, Johnst.
 112 radiosus, Bow.
 113 medius, Bow.
 114 virgulatus, Bow.
 115 viridans, Bow.
 116 aureus, Mont.

Hymeniacion, Bow.—continued.

- 117 callosus, Bow.
 118 plumiger, Bow.
 119 subereus, Mont.
 120 carnosus, Johnst.
 121 gelatinosus, Bow.
 122 ficus, Johnst.
 123 sulphureus, Bean.
 124 celatus, Grant.
 125 claviger, Bow.
 126 tenebrosus, Bow.
 127 paupertas, Bow.
 128 Dujardinii, (Johnst. ?) Bow.

Battersbyia, Bow.

- 129 Bucklandi, Bow.

Halichondria, Fleming.

- 130 caduca, Bow.
 131 inconspicua, Bow.
 132 incerta, Bow.
 133 coalita, Grant.
 134 mutulus, Bow.
 135 cylindracea, Bow.
 136 panicea, Pallas.
 137 angulata, Bow.
 138 edusa, Bow.
 139 ambigua, Bow.
 140 Robertsoni, Bow.
 141 condensa, Bow.
 142 coralloides, Bow.
 143 Thompsoni, Bow.
 144 forceps, Bow.
 145 simplex, Bow.
 146 subdola, Bow.
 147 foliata, Bow.
 148 corrugata, Bow.
 149 falcula, Bow.
 150 flabelligera, Bow.
 151 incrustans, Esper.
 152 candida, Bow.
 153 Dickiei, Bow.
 154 Pattersoni, Bow.
 155 pulchella, Bow.
 156 Ingalli, Bow.
 157 scandens, Bow.
 158 nigricans, Bow.
 159 expansa, Bow.
 160 virgea, Bow.
 161 granulata, Bow.
 162 farinaria, Bow.

Isodictya, Bow.

- 163 cinerea, Grant.
 164 permollis, Bow.
 165 mammeata, Bow.
 166 ramusculus, Bow.
 167 ferula, Bow.
 168 rosea, Bow.
 169 pygmæa, Bow.
 170 obscura, Bow.
 171 indefinita, Bow.
 172 indistincta, Bow.
 173 simplex, Bow.
 174 pocillum, Bow.
 175 luteosa, Bow.
 176 Peachii, Bow.
 177 varians, Bow.
 178 elegans, Bow.
 179 fallax, Bow.
 180 MacAndrewii, Bow.
 181 fistulosa, Bow.
 182 perplexa, Bow.
 183 densa, Bow.
 184 pallida, Bow.
 185 simulans, Johnst.
 186 Ingalli, Bow.
 187 incerta, Bow.
 188 crassa, Bow.
 189 Bowerbanki, Norman.
 190 pauperata, Bow.
 191 clava, Bow.
 192 jugosa, Bow.
 193 palmata, Johnst.
 194 trunca, Bow.
 195 infundibuliformis, Lin.
 196 dissimilis, Bow.
 197 invalida, Bow.
 198 Normani, Bow.
 199 coriacea, Bow.
 200 hispida, Bow.
 201 fucorum, Johnst.
 202 Alderi, Bow.
 203 Edwardii, Bow.
 204 paupera, Bow.
 205 uniformis, Bow.
 206 Clarkii, Bow.
 207 Barleei, Bow.
 208 laciniosa, Bow.
 209 dubia, Bow.
 210 nodosa, Bow.
 211 involuta, Bow.

Isodictya, Bow.—continued.

- 212 pertenuis, Bow.
 213 scitula, Bow.
 214 collina, Bow.
 215 funalis, Bow.
 216 Hyndmanni, Bow.
 217 lurida, Bow.
 218 fimbriata, Bow.
 219 implicita, Bow.
 220 inæqualis, Bow.

Raphiodesma, Bowerbank.

- 221 floreum, Bow.
 222 lingua, Bow.
 223 simplicissimum, Bow.
 224 sordidum, Bow.
 225 fallaciosum, Bow.
 226 intermedium, Bow.

Spongilla, Linné.

- 227 fluviatilis, Pallas.
 228 Parfitti, Carter.
 229 lacustris, Donovan.

Desmacidon, Bowerbank.

- 230 fruticosus, Mont.
 231 Jeffreysii, Bow.=Oceanapia Jeffreysi,
 Norman.
 232 constrictus, Bow.
 233 pannosus, Bow.
 234 copiosus, Bow.
 235 cavernula, Bow.
 236 similis, Bow.
 237 ægagrophilus, Scouler.

Raphyrus, Bowerbank.

- 238 Griffithsia, Bow.

Spongionella, Bowerbank.

- 239 pulchella, Sowerby.

Order—Keratosa.**Chalina, Grant.**

- 240 oculata, Pallas.
 241 Montagui, Fleming.
 242 gracilenta, Bow.
 243 limbata, Montagu.
 244 inornata, Bow.

Ophlitaspongia, Bowerbank.

- 245 papilla, Bow.
 246 seriata, Grant.

Verongia, Bowerbank.

- 247 zetlandica, Bow.

Dysidea, Johnston.

- 248 fragilis, Montagu.
 249 coriacea, Bow.

III.—British Sponges, described by R. Hanitsch in "Third Report Porifera of L.M.B.C. District." (Trans. Biol. Soc. Liverpool, vol. iv, 1890, p. 192).

Seiriola, Hanitsch.

- 250 compacta, Hanitsch.

Raspailia, Nardo.

- 251 rigida, Montagu.

Axinella, O. Schmidt.

- 252 mamillata, Hanitsch.

Halisarca, Johnston.

- 253 rubra, Hanitsch.

IV.—Type Mountings of spicula of Cliona, described by Albany Hancock. (Ann. and Mag. Nat. Hist., ser. 2, vol. iii, 1849, p. 321, and ser. 3, vol. xix, 1867, p. 229.)

Cliona, Grant=Vioa, Nardo.

- (124) celata, Grant.
 254 gorgonoides, Hancock.
 255 Northumbrica, Hancock.
 256 vastifica, Hancock.
 257 corallinoides, Hancock.
 258 gracilis, Hancock.
 259 Howsei, Hancock.
 260 Alderi, Hancock.
 261 lobata, Hancock.
 262 globulifera, Hancock.
 263 canadensis, Hancock.
 264 angulata, Hancock.

V.—Sponges from the "Porcupine" Expedition, specimens or mountings.

Asconema, Kent.

- 265 setubalense, Kent.

Hyalonema, Gray.

- 266 lusitanicum, Bocage.

Pheronema, Leidz.

- 267 Carpenteri, Wyv. Thom.

Aphrocallistes, Gray.

- 268 Bocagei, P. Wright.

Thenea, Gray.

- 269 muricata, Bow.

Pachastrella, O. Schmidt.

- 270 abyssi, O. Schmidt.

- Geodia, Lamarck.**
271 nodastrella, Carter.
- Corallistes, O. Schmidt.**
272 borealis, Carter.
- Arabescula, Carter.**
273 parasitica, Carter.
- Craniella, O. Schmidt.**
(46) cranium, Müll.
- Corticium, O. Schmidt.**
274 abyssi, Carter.
275 parasiticum, Carter.
- Halichondria, Fleming.**
276 abyssi, Carter.
- Isodictya, Bowerbank.**
277 spinispiculum, Carter.
- Microciona, Bowerbank.**
278 planum, Carter.
- Hymeraphia, Bowerbank.**
(74) vermiculata, Bow. *var crecta Cart*
- Cladorhiza, M. Sars.**
- 279 abyssicola, M. Sars.
280 var. corticocancellata, Carter.
- Chondrocladia, Wyv. Thomson.**
281 virgata, Wyv. Thom.
- Stylocordyle, Wyv. Thomson.**
- 282 stipitata, Carter.
- Quasillina, Norman.**
(41) brevis, Bow.
- Tentorium, Vosmaer.**
- 283 semisuburites, O. Schmidt.
- Halisarca, Dujardin.**
284 cruenta, Carpenter.

VI.—Norwegian Sponges, collected by myself, the Tetractinellida named by Sollas. I have also a very large collection of unexamined specimens.

- Craniella, O. Schmidt.**
(46) cranium, Müll.
- Thenia, Gray.**
(269) muricata, Bow.
- Normania, Bow.**
(38) compressa, Bow.
- Dragmastra, Sollas.**
285 Normani, Sollas.
- Stryphnus, Sollas.**
286 rudis, Sollas.
- Pachymatisma, Bow.**
287 Normani, Sollas.

- Geodia, Lamarck.**
288 Barretti, Bow.
- Cydonium, Fleming.**
289 Normani, Sollas.
- Synops, Vosmaer.**
290 MacAndrewii, Bow.
- Isops, Sollas.**
291 phlegraei, Sollas.
- Tethya, Lamarck.**
(49) lyncurium, Linné.
- Polymastia, Bowerbank.**
(43) mamillaris, Müll.
- Trichostemma, M. Sars.**
292 hemisphaericum, M. Sars.
- Tentorium, Vosmaer.**
(283) semisuburites, O. Schmidt.
- Quasillina, Norman.**
(41) brevis, Bow.
- Alectona, Carter.**
293 Milleri, Carter.
- Tragosia, Gray.**
(195) infundibuliformis, Linn.
(207) Barleei, Bow.
- Phakellia, Bowerbank.**
(64) ventilabrum, Linn.
- Axinella, O. Schmidt.**
(61) rugosa, Bow.
- Forcepina, Vosmaer.**
(144) forceps, Bow.
- Hamacantha, Gray.**
(149) falcula, Bow.
- Melananchora, Carter.**
294 elliptica, Carter.
- Esperella, Vosmaer.**
(222) lingua, Bow.
- Desmacidon, Bowerbank.**
295 crux, O. Sch.
- Rhaphidotheca, S. Kent.**
296 Marshall-Hallii, Kent.
- Cladorhiza, M. Sars.**
297 abyssicola, M. Sars.
298 pennatula, O. Sch.
- Hymeraphia, Bowerbank.**
(74) vermiculata, Bow.
- Dysidea, Johnston.**
(248) fragilis, Mont.

VII.—Portions of or mountings of Type Sponges, described by Dr. Vosmaer, from the Dutch Arctic Expeditions of 1878, 1879, 1880, and 1881, in the "Willem Barents."¹

- Stelletta, O. Schmidt.**
299 fortis, Vosm.
- Isops, Sollas.**
300 sphæroides, Vosm.
- Synops, Vosmaer.**
301 pyriformis, Vosm.
- Tetilla, F. E. Schulze.**
302 polyura, O. Schmidt.
- Polymastia, Bowerbank.**
303 capitata, Vosm.
- Weberella, Vosmaer.**
304 bursa, Vosm.
- Tedania, Gray.**
305 suctoria, O. Schmidt.
- Pachychalina, Vosmaer.**
306 caulifera, Vosm.
- Cribrochalina, O. Schmidt.**
307 variabilis, Vosm.
308 var. salpingoides, Vosm.
309 Sluiteri, Vosm.
- Phakellia, Bowerbank.**
310 Bowerbanki, Vosm.
311 arctica, Vosm.
- Artemisina, Vosmaer.**
312 suberitoides, Vosm.
- Forcepina, Vosmaer.**
(144) bulbosa, Carter.
- Myxilla, O. Schmidt.**
313 Barentsi, Vosm.
- Hamacantha, Gray.**
314 papillata, Vosm.
- Gellius, Gray.**
315 vagabundus, O. Sch.
316 arcofer, Vosm.
317 infundibuliformis, Vosm.

VIII.—Sections of Type Sponges, described from the Norwegian North Atlantic Expedition, 1876-8, received from Dr. G. Armauer Hansen.²

¹ Vosmaer, "Die Zool. Ergebnisse der zwei in den Jahren 1878 und 1879 ausgeführten Fahrten des Schoners 'Willem Barents'" (Niederländisches Archiv für Zool. 1881-2), and the "Sponges of the 'Willem Barents' Expedition of 1880 and 1881," 1885.

² G. Armauer Hansen, "Norwegian North Atlantic Expedition, 1876-1878. Spongiadæ." Christiania, 1885.

- Stylocordyle, Lovén.**
318 borealis, Lovén.
- Reniera, O. Schmidt.**
319 simplex, Hans.
320 oblonga, Hans.
321 velamentosa, Hans.
322 tubulosa, Hans.
323 membranacea, Hans.
324 nivea, Hans.
325 pallescens, Hans.
(309) infundibuliformis, Hans.
326 complicata, Hans.
327 inflata, Hans.
- Radiella, O. Schmidt.**
(292) sol, O. Sch.
- Rinalda, O. Schmidt.**
328 uberrima, O. Sch.
- Thecophora, O. Schmidt.**
(283) semisuburites, O. Sch.
- Polymastia, Bowerbank.**
(43) penicillus, Mont.
- Suberites, Nardo.**
329 incrustans, Hans.
330 radians, Hans.
331 glabra, Hans.
- Myxilla, O. Schmidt.**
332 exigua, Hans.
333 grisea, Hans.
334 brunnea, Hans.
- Sclerilla, O. Schmidt.**
335 arctica, Hans.
336 dura, Hans.
- Desmacidon, Bowerbank.**
337 clavatum, Hans.
338 nucleus, Hans.
339 giganteum, Hans.
340 arcticum, Hans.
- Esperia, Nardo.**
341 bihamatifera, Carter.
- Cladorhiza, M. Sars.**
(297) abyssicola, M. Sars.
- Geodia, Lamarck.**
342 parva, Hans.
- Tethya, Lamarck.**
(46) cranium, Müll.
343 var. infrequens, Cart.
- Thenea, Gray.**
(269) muricata, Bow.
- Hyalonema, Gray.**
344 arcticum, Hans.

IX.—Sections of Type and other Sponges, described by Herr Konrad Fristedt, from the coast of Sweden, received from the Royal Museum of Stockholm.¹

- Polymastia, Bowerbank.**
 (43) mamillaris, Müller.
Radiella, O. Schmidt.
 (50) spinularia, Bow.
Thecophora, O. Schmidt.
 (283) semisuberites, O. Sch.
Suberites, Nardo.
 345 montalbidus, Carter.
 346 massa, Nardo.
 (123) sulphureus, Bow.
Vosmæria, Fristedt.
 347 crustacea, Fristedt.
Amorphina, O. Schmidt.
 (136) panicea, Pallas.
 (110) fallax, Bow.
Stylopus, Fristedt.
 348 coriaceus, Fristedt.
Desmacella, O. Schmidt.
 349 pumicea, Fristedt.
 350 Peachii, Bow.
 351 var. stellifera, Fristedt.
Hastatus, Vosmaer.
 (71) ambiguus, Bow.
 352 mamillaris, Fristedt.
 (140) Robertsoni, Bow.
 (161) granulatus, Bow.
Esperia, Nardo.
 (144) forceps, Bow.
 (70) armata, Bow.
 (158) nigricans, Bow.
 (222) lingua, Bow.
 353 foliata, Fristedt.
Geodia, Lamarck.
 (288) Barretti, Bow.
Isodictya, Bow.
 (195) infundibuliformis, Lin.
Phakellia, Bowerbank.
 (64) ventilabrum, Lin.
Axinella, O. Schmidt.
 (61) rugosa, Bow.
Raspailia, Nardo.
 354 abyssorum, Carter.

¹ Fristedt, "Bidrag till Kännedomen om de vid Sveriges vestra Kust lefvande Spongiz" (Kongl. Svenska Vet. Akad. Hand xxi), 1885.

- Chalina, Bowerbank.**
 (243) limbata, Mont.
 355 pulcherrima, Fristedt.
Dysidea, Johnston.
 (248) fragilis, Mont.

X.—Sections of Type Sponges, described by Herr Konrad Fristedt, from the "Vega" and other Swedish expeditions, received from the Royal Museum of Stockholm.¹

- Hyalonema, Gray.**
 356 roseum, Fristedt.
 357 foliatum, Fristedt.
Halisarca, Dujardin.
 (128?) Dujardinii, Johnston.
Chalina, Grant.
 358 vega, Fristedt.
 359 arbuscula, Verrill.
Cribrochalina, O. Schmidt.
 (307) variabilis, Vosm.
Reniera, O. Schmidt.
 360 ventilabrum, Fristedt.
Amorphina, O. Schmidt.
 361 grisea, Fristedt.
Eumastia, O. Schmidt.
 362 sitiens, O. Schm.
Isodictya, Bowerbank.
 363 Dicksonii, Fristedt.
Artemisina, Vosmaer.
 (312) suberitoides, Vosm.
Hymedesmia, Bowerbank.
 364 Johnsoni, Bow.
Hymeraphia, Bowerbank.
 (74) vermiculata, Bow.
 365 var. erecta, Carter.
Polymastia, Bowerbank.
 (41) brevis, Bow.
 366 paupera, Fristedt.
Tethya, Lamarck.
 (46) cranium, Müll.
 (269) muricata, Bow.
 367 siberica, Fristedt.
Gellius, Gray.
 (316) arcophorus, Vosm.
Desmacella, O. Schmidt.
 368 rosea, Fristedt.
Desmacidon, Bowerbank.
 (231) Jeffreysii, Bow.

¹ Fristedt, "Sponges from the Atlantic and Arctic Oceans and the Behring Sea," 1887.

- Hastatus, Vosmaer.**
 369 foliatus, Fristedt.
 370 indistinctus, Fristedt.
Cornulum, Carter.
 371 ascidioides, Fristedt.
 372 textile, Carter.
 373 enteromorphoides, Fristedt.
Esperia, Nardo.
 (222) lingua, Bow.
 374 var. arctica, Fristedt.
 375 villosa, Carter.
 376 helios, Fristedt.
 377 Sophiæ, Fristedt.
Forcepia, Carter.
 378 grœnlandica, Fristedt.
Cribrella, O. Schmidt.
 379 hospitalis, O. Schmidt.
Melananchora, Carter.
 (294) elliptica, Carter.
Cladorhiza, M. Sars.
 (279) abyssicola, M. Sars.
 380 Nordenskiöldii, Fristedt.
 381 cupressiformis, Carter.
Clathria, O. Schmidt.
 382 corallorhizoides, Fristedt.
 383 Loveni, Fristedt.

XI.—Portions of Sponges, described by Dr. von Marenzeller, from the Austrian expedition to Jan Mayen.¹

- Cribrochalina, O. Schmidt.**
 384 ambigua, Marenz.
Esperia, Nardo.
 (232) constricta, Bow.
Suberites, Nardo.
 (345) Lütkeni, O. Sch.
Isodictya, Bowerbank.
 385 tenera, Marenz.²
Tetilla, O. Schmidt.
 386 geniculata, Marenz.

XII.—Sponges received from the Copenhagen Museum, being (a) Greenlandic species, described by O. Schmidt in "Grundzüge einer Spongien-Fauna des atlantischen Gebietes, 1876,"

¹ "Die internationale Polarforschung 1882-3. Die österreichische Polarstation Jan Mayen, iii, Band, 1886."

² This species described by Marenzeller in "Die Cœlenteraten, Echinodermen, und Würmer der österreichisch-ungarischen Nordpol-Expedition" (Densk. Math-natur Classe der Kais. Akad. der Wissen, xxxv), 1877.

and (b) Species from the Kara Sea, described by Dr. Levinsen, in "Dijmphna-Togtets Zoolo-gisk-botaniske Udbytte 1887."

- Craniella, O. Schmidt.**
 387 tetheoides, O. Sch.
Chalinula, O. Schmidt.
 388 ovum, O. Sch.
Suberites.
 389 arciger, O. Sch.
Pachychalina, O. Schmidt.
 390 compressa, O. Sch.
Amorphina, O. Schmidt.
 391 genetrix, O. Sch.
Halichondria, Fleming.
 392 bibula, O. Sch.
 393 assimilis, Lev.
Gellius, Gray.
 394 capillifer, Lev.
Esperella, Vosmaer.
 394* Vosmaeri, Lev.
 395 picea, Lev.
 (381) cupressiformis, Carter.
 396 var. robusta, Lev.
 397 var. lycopodium, Lev.

XIII.—Mediterranean Sponges.

(Nomenclature of O. Schmidt.)

The letters affixed to the names indicate that the sponge has been received from one of the following sources:—

M.—Received from the Vienna Museum, Dr. von Marenzeller.

S.—Received from Prof. O. Schmidt.

V.—Received from Dr. Vosmaer.

Z.—Received from the Zoological Station, Naples.

- Halisarca, Dujardin.**
 398 lobularis, O. Sch. S.
 (128?) Dujardinii, Johnst. Z.
Chondrosia, Nardo.
 399 reniformis, O. Sch. Z.
Chondrilla, O. Schmidt.
 400 nucula, O. Sch. S.
Corticium, O. Schmidt.
 401 candelabrum, O. Sch. S.
 402 stelligerum, O. Sch. S.
Osculina, O. Schmidt.
 403 polystomella, O. Sch. Z.
Euspongia, Bronn.
 404 Adriatica, O. Sch. Z.

- Cacospongia, O. Schmidt.**
 405 mollior, O. Sch. S.
 406 scalaris, O. Sch. S.
 407 cavernosa, O. Sch. S.
- Aplysina, Nardo.**
 408 aerophoba, O. Sch. S.
- Aplysilla, F. E. Schulze.**
 409 sulphurea, F. E. Schu. Z.
- Hircinia, Nardo.**
 410 dendroides, O. Sch. S.
 411 variabilis, O. Sch. S.
- Sarcotragus, O. Schmidt.**
 412 spinulosus, O. Sch. S.
 413 muscarum, O. Sch. Z.
- Chalina, Bowerbank.**
 414 digitata, O. Sch. M.
- Siphochalina, O. Schmidt.**
 415 coriacea, O. Sch. Z.
- Chalinula, O. Schmidt.**
 416 fertilis, O. Sch. Z.
- Reniera, O. Schmidt.**
 417 aquæductus, O. Sch. S.
 418 grossa, O. Sch. M.
 419 aurantiaca, O. Sch. M. Z.
 420 cratera, O. Sch. Z.
 421 ambigua, O. Sch. S.
 422 filigrana, O. Sch. S.
 423 nuggiana, O. Sch. S.
 424 digitata, O. Sch. M.
 425 informis, O. Sch. S.
 426 calyx, O. Sch. S.
- Schmidtia, Bals. Crivelli.**
 427 dura, Nardo Z.
- Suberites, Nardo.**
 428 fruticosus, O. Sch. S. Z.
 (119) domuncula, Nardo S.
 429 lobatus, O. Sch. S.
 430 flavus, O. Sch. M.
- Rhizaxinella, Keller.**
 431 pyrifer, Vosmaer Z.
- Papillina, O. Schmidt.**
 (238) suberea, O. Sch. S.
 432 nigricans, O. Sch. S.
- Vioa, Nardo.**
 433 Hancocki, O. Sch.
 (124) celata, Grant S.
- Tethya, Lamarck.**
 (49) lyncurium, Lin. S.
- Tuberella, Keller.**
 434 tethyoides, Keller Z.

- Esperia, Nardo.**
 435 Cantareni, O. Sch. S.
 436 Bauriana, O. Sch. S.
 437 tunicata, O. Sch. S.
 438 Bowerbanki, O. Sch. S.
 (222) lingua, Bow. Z.
 439 syrinx, O. Sch. S.
 440 Lorenzi, O. Sch. Z.
 441 massa, O. Sch. S.
- Myxilla, O. Schmidt.**
 442 rosacea, O. Sch.
 443 fasciculata, O. Sch. Z.
- Dictyonella, O. Schmidt.**
 444 arcicola, O. Sch. Z.
- Clathria, O. Schmidt.**
 445 coralloides, O. Sch. S.
 446 var. ceratodes, Vosm. V.
 447 var. mollis, Vosm. V.
 448 frondiculata, O. Sch. M.
 449 compressa, O. Sch. S.
 450 oroides, O. Sch. M. Z.
- Raspailia, Nardo.**
 451 viminalis, O. Sch. S. Z.
 452 stelligera, O. Sch. S.
- Raspaigella, O. Schmidt.**
 453 brunnea, O. Sch. M.
- Axinella, O. Schmidt.**
 454 damicornis, O. Sch. S.
 455 foveolata, O. Sch. S.
 456 verrucosa, O. Sch. S.
 polypoides, O. Sch. S. Z.
 457 cinnamonea, O. Sch. Z.
- Acanthella, O. Schmidt.**
 458 acuta, O. Sch. S.
- Thenea, Gray.**
 459 intermedia, Sollas Z.
- Stelletta, O. Schmidt.**
 460 dorsigera, O. Sch. S.
 461 carbonaria, O. Sch. Z.
 462 fibulifera, O. Sch. M.
- Geodia, Lamarck.**
 463 gigas, O. Sch. S.
-
- XIV.—N. E. American Sponges,** received from the United States National Museum and from Professor Verrill.
- Tethya, Lamarck.**
 464 gravata, Hyatt.
- Suberites.**
 465 compacta, Verrill.

- Cliona.**
466 sulphurea, Desor.
Microciona, Bowerbank.
467 prolifera, Verrill.
Halichondria.
(136) panicea, Pallas?

- Cladorhiza.**
468 grandis, Verrill.
Chalina.
(240?) oculata, Pallas?
(359) arbuscula, Verrill.
And some undetermined species.

VIII.—RHIZOPODA.

I.—FRESHWATER SPECIES.¹

Orders—Lobosa and Reticularia.

Pelomyxa, Greef.

- 1 palustris, Greef.

Amœba, Ehrenberg.

- 2 proteus, Leidy.
3 verrucosa, Ehren.
4 vestita, Penard.

Diffugia, Le Clerc.

- 5 pyriformis, Perty.
6 var. cornuta, Leidy.
7 var. vas, Leidy.
8 var. fulva, Penard.
9 acuminata, Ehren.
10 amphora, Leidy.
11 elegans, Penard.
12 bicornis, Penard.
13 corona, Wallich.
14 globulosa, Dujardin.
15 marsupiformis, Wallich.
16 avellana, Penard.
17 lanceolata, Penard.
18 bacillifera, Penard.
19 var. inflata, Penard.
20 lobostoma, Leidy.
21 arcula, Leidy.
22 constricta, Ehren.
23 compressa, Carter.
24 entochloris, Leidy.
25 urceolata, Carter.
26 var. amphora, Leidy.
27 var. lebes, Penard.
28 tuberculata, Wallich.
29 mamillata, Penard.
30 rubescens, Penard.
31 elisa, Penard.

¹ The specimens of a few of the following forms are from North America.

Centropyxis, Stein.

- 32 aculeata, Stein.
33 var. ecornis, Leidy.
34 var. discoides, Penard.

Arcella, Ehrenberg.

- 35 vulgaris, Ehren.
36 var. angulosa, Leidy.
37 hemisphærica, Perty.
38 catinus, Penard.

Lecquereusia, Schlumberger.

- 39 jurassica, Schlumb.
40 var. epistoma, Penard.
41 var. bacillaris, Penard.

Nebela, Leidy.

- 42 collaris, Leidy.
43 longicollis, Penard.
44 lageniformis, Penard.
45 tubulosa, Penard.
46 flabellulum, Leidy.
47 carinata, Leidy.
48 galeata, Penard.
49 bigibbosa, Penard.
50 dentistoma, Penard.
51 bursella, Vejdovsky.
52 militaris, Penard.
53 minor, Penard.
54 tenella, Penard.

Hyalosphenia, Leidy.

- 55 papilio, Leidy.
56 elegans, Leidy.
57 punctata, Penard.

Quadrula, Schulze.

- 58 symmetrica, Schulze.
59 var. irregularis, Penard.
60 discoides, Penard.

Heleopera, Leidy.

- 61 rosea, Penard.
62 petricola, Leidy.

Heleopera, Leidy.—continued.
63 *sylvatica*, Penard.

Cryptodiffugia.
64 *oviformis*, Penard.

Pseudodiffugia, Schlumberger.
65 *hemisphærica*, Penard.

Campascus, Leidy.
66 *triqueter*, Penard.

Cyphoderia, Schlumberger.
67 *margaritacea*, Schlum.
68 *triquetra*, Penard.

Assulina, Ehrenberg.
69 *seminulum*, Leidy.
70 *scandinavica*, Penard.
71 *minor*, Penard.

Euglypha, Dujardin.
72 *alveolata*, Dujardin.
73 *ciliata*, Leidy.
74 *strigosa*, Leidy.
75 *cristata*, Penard.
76 *heterospina*, Penard.
77 *compressa*, Carter.

Placocysta, Leidy.
78 *spinosa*, Leidy.

Sphenoderia, Schlumberger.
79 *lenta*, Schlum.
80 *dentata*, Penard.

Trinema, Dujardin.
81 *enchelys*, Leidy.
82 *complanatum*, Penard.
83 *lineare*, Penard.

Corythion, Taránek.
84 *dubium*, Taránek.
85 *pulchellum*, Penard.

Pseudochlamys, Claparède & Lachman.
86 *patella*, Clap. & Lach.

Gromia, Dujardin.
87 *Brunneri*, Blanc.
88 *Schulzei*, Norman.¹

II.—MARINE SPECIES.

Order—Reticularia or Foraminifera.*

Fam. I.—Miliolidaæ.

Nubecularia, DeFrance.
89 *lucifuga*, DeFrance.

¹ Name for the large marine species figured by Schulze "Jahresbericht der Comm. zur wissenschaft. Unters. der deutschen Meere in Kiel 1872-3." Pl. II, fig. 11, *a, b, c*, 1875.

Biloculina, d'Orbigny.

90 *sphæra*, d'Orb.
91 *lucernula*, Schwager.
92 *bulloides*, d'Orb.
93 *ringens*, Lamk.
94 *comata*, H. Bra.
*95 *irregularis*, d'Orb.
96 *elongata*, d'Orb.
97 *depressa*, d'Orb.
98 *var. murrhyna*, Schwager.
99 *var. serrata*, H. Bra.
100 *lævis*, Defr.

Spiroloculina, d'Orbigny.

101 *planulata*, Lamk.
*102 *robusta*, H. Bra.
103 *excavata*, d'Orb.
104 *tenuiseptata*, H. Bra.
105 *acutimargo*, H. Bra.
106 *limbata*, d'Orb.
*107 *robusta*, H. Bra.
108 *canaliculata*, d'Orb.

Sigmoilina, Schlumberger.

109 *secans*, d'Orb.
110 *celata*, Costa.
111 *tenuis*, Czjzek.
*112 *sigmoidea*, H. Bra.

Miliolina, Williamson.

113 *seminulum*, Lin.
114 *badenensis*, d'Orb.
115 *seminuda*, Reuss.
116 *oblonga*, Mont.
*117 *gracilis*, d'Orb.
118 *venusta*, Karrer.
119 *Auberiana*, d'Orb.
*120 *Cuvieriana*, d'Orb.
121 *trigonula*, Lamk.
122 *tricarinata*, d'Orb.
123 *insignis*, H. Bra.
124 *subrotunda*, Mont.
*125 *Fichteliana*, d'Orb.
126 *circularis*, Born.
127 *bucculenta*, H. Bra.
*128 *var. placentæformis*, H. Bra.
129 *bicornis*, Walk. and Jac.
130 *Boueana*, d'Orb.
131 *pulchella*, d'Orb.
132 *Ferussacei*, d'Orb.
*133 *reticulata*, d'Orb.
134 *labiosa*, d'Orb.

Miliolina, Williamson.—continued.

- 135 longirostris, d'Orb.
 136 Brongniartii, d'Orb.
 137 selerotica, d'Orb.
 138 agglutinans, d'Orb.
 139 fusca, H. Bra.

Articulina, d'Orbigny.

- *140 sulcata, Reuss.
 *141 sagra, d'Orb.
 *142 funalis, H. Bra.

Ophthalmidium, Kübler.

- 143 inconstans, H. Bra.
 =carinatum, Balk. and Wrig.

Planispirina, Sequenza.

- 144 contraria, d'Orb.
 145 communis, Sequenza.

Cornuspira, Schultze.

- 146 foliacea, Phil.
 147 involvens, Reuss.
 148 carinata, Costa.
 149 striolata, H. Bra.

Paneroplis, Montfort.

- 150 pertusus, Forsk.
 151 var. planatus, Fich. & Moll.
 152 var. carinatus, d'Orb.

Orbiculina, Lamarck.

- 153 adunca, Fich. & Moll.

Orbitolites, Lamarck.

- 154 italica, Costa.
 155 marginalis, Lamk.

*Fam. II.—Astrorhizidæ.***Astrorhiza, Sandahl.**

- 156 limicola, Sandahl.
 157 arenaria, Norman.
 158 crassatina, H. Bra.
 159 granulosa, H. Bra.
 160 angulosa, H. Bra.

Pelosina, H. B. Brady.

- 161 variabilis, H. Bra.

Dendrophrya, Str. Wright.

- 162 radiata, Str. Wright.
 163 erecta, Str. Wright.

Storthosphæra, Schulze.

- 164 albida, Schulze.

Syringamina, H. B. Brady.

- 165 fragilissima, H. Brady.

Technitella, Norman.

- 166 melo, Norman.
 167 legumen, Norman.

Bathysiphon, M. Sars.

- 168 filiformis, M. Sars.

Saccamina, M. Sars.

- 169 sphærica, M. Sars.

Psammosphæra, Schulze.

- 170 fusca, Schulze.

Jaculella, H. B. Brady.

- 171 acuta, H. Bra.
 172 obtusa, H. Bra.

Psammatodendron, Norman.

- 173 arborescens, Norman.
 174 ramosum, H. Bra.

Hyperamina, H. B. Brady.

- 175 elongata, H. Bra.
 176 friabilis, H. Bra.
 177 subnodosa, H. Bra.
 178 vagans, H. Bra.

Marsipella, Norman.

- 179 elongata, Norman.
 180 cylindrica, H. Bra.

Rhabdammina, M. Sars.

- 181 abyssorum, M. Sars.
 182 discreta, H. Bra.
 183 linearis, H. Bra.

Aschemonella, H. B. Brady.

- 184 catenata, Norman.

Rhizammina, H. B. Brady.

- 185 algæformis, H. Bra.
 186 indivisa, H. Bra.

Botellina, Carpenter.

- 187 labyrinthica, H. Bra.

Haliphysema, Bowerbank.

- 188 Tumanowiczii, Bow.
 189 ramulosum, Bow.
 190 confertum, Norman.

*Fam. III.—Lituolidæ.***Reophax, Montfort.**

- 191 difflugiformis, H. Bra.
 192 fusiformis, Will.
 193 scorpiurus, Montfort.
 194 pilulifera, H. Bra.
 195 dentaliniformis, H. Bra.
 196 bacillaris, H. Bra.
 197 guttifera, H. Bra.
 198 distans, H. Bra.
 199 adunca, H. Bra.
 200 sabulosa, H. Bra.
 201 cylindrica, H. Bra.
 202 findens, Parker=moniliforme, Siddall,

- Reophax, Montfort.**—continued.
- 203 rudis, Costa.
204 Scottii, Chaster.
- Haplophragmium, Reuss.**
- 205 agglutinans, d'Orb.
206 pseudospirale, Will.
*207 calcareum, H. Bra.
208 cassis, Parker.
209 emaciatum, H. Bra.
210 latidorsatum, Born.
211 scitulum, H. Bra.
212 glomeratum, H. Bra.
213 canariense, d'Orb.
214 crassimargo, Norman.¹
215 nanum, H. Bra.
216 globigeriniforme, Par. and Jones.
217 anceps, H. Bra.
- Placopsilina, d'Orbigny.**
- 218 bulla, d'Orb.
219 cenomana, d'Orb.
220 vesicularis, H. Bra.
- Haplostiche, Reuss.**
- 221 Soldanii, d'Orb.
- Thuramina, H. B. Brady.**
- 222 papillata, H. Bra.
223 albicans, H. Bra.
- Hippocrepeina, Parker.**
- 224 indivisa, Parker.
- Hormosina, H. B. Brady.**
- 225 globulifera, H. Bra.
226 ovicula, H. Bra.
227 Carpenteri, H. Bra.
228 Normani, H. Bra.
- Ammodiscus, Reuss.**
- 229 incertus, d'Orb.
230 gordialis, Par. and Jones.
231 charoides, Par. and Jones.
232 Shoneanus, Siddall.
- Trochammina, Parker and Jones.**
- 233 squamata, Par. and Jones.
234 ochracea, Will.
235 plicata, Terquem.
236 inflata, Mont.
237 var. macrescens, H. Bra.
238 nitida, H. Bra.
239 Robertsoni, H. Bra.
- Trochammina, Parker and Jones.**—contd.
- 240 trullissata, H. Bra.
*241 coronata, H. Bra.
*242 conglobata, H. Bra.
243 ringens, H. Bra.
244 trullissata, H. Bra.
245 lituiformis, H. Bra.
246 pauciloculata, H. Bra.
- Webbina, d'Orbigny.**
- 247 hemisphærica, Jones, Par. and Bra.
248 clavata, Par. and Jones.
- Cyclammina, H. B. Brady.**
- 249 cancellata, H. Bra.
- Fam. IV.—Textulariidae.*
- Textularia, Defrance.**
- *250 quadrilatera, Schwager.
251 concava, Karrer.
252 nussdorffensis, d'Orb.
253 carinata, d'Orb.
254 sagittula, Defrance.
255 var. fistulosa, H. Bra.
256 agglutinans, d'Orb.
257 gramen, d'Orb.
258 conica, d'Orb.
259 trochus, d'Orb.
*260 turris, d'Orb.
*261 Barrettii, Par. and Jones.
262 aspera, H. Bra.
- Bigenerina, d'Orbigny.**
- 263 nodosaria, d'Orb.
264 digitata, d'Orb.
265 robusta, H. Bra.
- Grammostomum, Reuss.**
- 266 capreolus, d'Orb.
267 pennatula, Batsch.
- Pavonaria, d'Orbigny.**
- *268 flabelliformis, d'Orb.
- Spiroplecta, Ehrenberg.**
- 269 biformis, Par. and Jones.
- Gaudryina, d'Orbigny.**
- 270 pupoides, d'Orb.
271 baccata, Schwager.
*272 subrotunda, Schwager.
273 filiformis, Berth.
274 siphonella, Reuss.
- Verneuilina, d'Orbigny.**
- 275 triquetra, Münster.
276 spinulosa, Reuss.

¹ Nov. nom. for Brady, "Challenger," Pl. xxv, fig. 4. It is a well-marked form which I have found with *H. canariense* in East Finmark and Greenland, each form preserving its distinctive characters.

- 277 *pygmæa*, Egger.
278 *polystropha*, Reuss.
- Valvulina, d'Orbigny.**
279 *conica*, Par. and Jones.
280 *fusca*, Will.
- Clavulina, d'Orb.**
*281 *communis*, d'Orb.
282 *parisiensis*, d'Orb.
283 *cylindrica*, Hantken.
- Bulimina, d'Orbigny.**
284 *elegans*, d'Orb.
285 *pyrula*, d'Orb.
286 var. *spinescens*, H. Bra.
287 *ovata*, d'Orb.
288 *affinis*, d'Orb.
289 *pupoides*, d'Orb.
290 *arctica*, d'Orb.
291 *subteres*, H. Bra.
292 *elegantissima*, d'Orb.
293 *fusiformis*, Will.
*294 *subcylindrica*, H. Bra.
295 *marginata*, d'Orb.
296 *aculeata*, d'Orb.
297 *inflata*, Sequenza.
298 *Buchiana*, d'Orb.
299 *convoluta*, Will.
300 *squamigera*, d'Orb.
- Virgulina, d'Orbigny.**
301 *Schreibersiana*, Czjzek.
302 *subsquamosa*, Egger.
- Bolivina, d'Orbigny.**
303 *punctata*, d'Orb.
304 *dilatata*, Reuss.
*305 *porrecta*, H. Bra.
306 *lævigata*, Will. = *textilaroides*, Reuss.
307 *tortuosa*, H. Bra.
308 *difformis*, Will. = *pygmæa*, H. Bra.
309 *robusta*, H. Bra.
310 *Beyrichi*, Reuss.
311 var. *alata*, Seq.
312 *ænariensis*, Costa.
313 *plicata*, d'Orb.
314 *tegulata*, Reuss.
315 *costata*, d'Orb.
316 *decussata*, H. Bra.
- Cassidulina, d'Orbigny.**
317 *lævigata*, d'Orb.
318 *crassa*, d'Orb.
319 *Bradii*, Norman.
- Fam. V.—Chilostomellida.*
Chilostomella, Reuss.
320 *ovoidea*, Reuss.
- Fam. VI.—Lagenida.*
Lagena, Walker and Boys.
321 *globosa*, Mont.
322 var. *apiculata*, Reuss.
323 *lævis*, Mont.
324 *clavata*, d'Orb.
325 *elongata*, Ehrenberg.
326 *gracillima*, Seq.
327 *striata*, d'Orb.
328 *distoma*, Par. and Jones.
329 *gracilis*, Will.
330 *interrupta*, Will.
331 *semistriata*, Will.
332 *semilineata*, Wright.
333 *lineata*, Will.
334 *crenata*, Par. and Jones.
335 *hispida*, Reuss.
336 *aspera*, Reuss.
337 *sulcata*, Walk. and Boys.
338 *costata*, Will.
339 *acuticosta*, Reuss.
340 *Williamsoni*, Alcock.
341 *desmophora*, Rymer Jones.
342 *Hertwigiana*, H. Bra.
343 *striatopunctata*, Par. and Jones.
344 *squamosa*, Mont.
345 *melo*, d'Orb.
346 *hexagona*, Will.
347 *lævigata*, Reuss.
348 var. *carinata*, Reuss.
349 var. *globosa*, Born.
350 var. *pedunculata*, Sequenza.
351 *marginata*, Walk. and Boys.
352 var. *inæquilateralis*, Wright.
353 monst. *trigono-marginata*, Par. and Jones.
354 monst. *trigono-oblonga*, Sequenza.
355 *lucida*, Will.
356 *quadrata*, Will.
357 *faba*, Balk. and Mill.
358 *bicarinata*, Terquem.
359 *Orbigniana*, Sequenza.
360 monst. *trigono-Orbigniana*, Norman.
361 *fimbriata*, H. Bra.
362 *pulchella*, H. Bra.

- Lagena, Walker and Boys.**—continued.
- 363 lagenoides, Will.
364 var. tenuistriata, H. Bra.
- Glandulina, d'Orbigny.**
- 365 lævigata, d'Orb.
366 var. rotundata, Reuss.
367 var. inflata, Born.
368 var. gracilis, Reuss.
- Nodosaria, Lamarck.**
- 369 radícula, Lin.
370 calomorpha, (Reuss?) H. Bra.
371 pyrula, d'Orb.
372 inflexa, Reuss.
373 filiformis, d'Orb.
374 consobrina, d'Orb.
375 var. emaciata, Reuss.
376 soluta, Reuss.
377 Verneullii, d'Orb.
378 communis, d'Orb.
379 capitata, Boll.
380 Roëmeri, Neugenb.
381 hispida, d'Orb.
382 var. sublineata, H. Bra.
383 comata, Batsch.
384 scalaris, Batsch.
385 var. separans, H. Bra.
386 raphanus, Lin.
387 obliqua, Lin.
388 vertebralis, Batsch.
*389 costulata, Reuss.
*390 intercellaris, H. Bra.
391 aciculata, d'Orb.
- Lingulina, d'Orbigny.**
- 392 carinata, d'Orb.
393 var. seminuda, Hantken.
- Fronicularia, DeFrance.**
- 394 alata, d'Orb.
- Rhabdogonium, Reuss.**
- 395 tricarinatum, d'Orb.
- Marginulina, d'Orbigny.**
- 396 glabra, d'Orb.
397 costata, Batsch.
- Vaginulina, d'Orbigny.**
- 398 legumen, Lin.
399 var. arquata, H. Bra.
400 spinigera, H. Bra.
401 linearis, Mont.
- Cristallaria, Lamarck.**
- 402 tenuis, Born.
- Cristallaria, Lamarck.**—continued.
- 403 obtusata, Reuss.
404 var. subalata, H. Bra.
405 compressa, d'Orb.
406 reniformis, d'Orb.
*407 Schloenbachi, Reuss.
408 crassa, d'Orb.
409 variabilis, Reuss.
410 crepidula, Fich. and Moll.
411 italica, DeFrance.
412 gibba, d'Orb.
413 rotulata, Lamk.
414 vortex, Fich. and Moll.
415 orbicularis, d'Orb.
416 cultrata, d'Orb.
417 calcar, Lin.
418 echinata, d'Orb.
*419 aculeata, d'Orb.
- Amphicoryne, Schlumberger.**
- 420 falx, Par. and Jones.
- Polymorphina, d'Orbigny.**
- 421 lactea, Walk. and Jac.
422 monst. d'Orbignii, Zbor.
423 gibba, d'Orb.
424 var. Humboldtii, Zbor.
425 lanceolata, Reuss.
426 compressa, d'Orb.
427 monst. fistulosa, Will.
428 Thouini, d'Orb.
429 oblonga, d'Orb.
430 rotundata, Born.
431 myristiformis, Will.
432 concava, Will.
- Uvigerina, d'Orbigny.**
- 433 canariensis, d'Orb.
434 angulosa, Will.
*435 porrecta, H. Bra.
436 asperula, Czjzek.
437 pygmæa, d'Orb.
438 tenuistriata, Reuss.
- Sagrina, d'Orbigny.**
- 439 dimorpha, Par. and Jones.
440 nodosa, Par. and Jones.
- Ramulina, Rupert Jones.**
- 441 globulifera, H. Bra.
- Fam. VII.—Globigerinidæ.*
- Globigerina, d'Orb.**
- 442 bulloides, d'Orb.
443 dubia, Egger.

- Globigerina, d'Orb.**—continued.
 444 pachyderma, Ehrenberg.
 445 inflata, d'Orb.
 446 rubra, d'Orb.
 447 conglobata, H. Bra.
 448 sacculifera, H. Bra.
 449 æquilateralis, H. Bra.
- Orbubina, d'Orb.**
 450 universa, d'Orb.
 451 monst. bilobata, d'Orb.
 452 monst. trilobata, d'Orb.
 453 porosa, Terquem.
- Hastigerina, Wyville Thomson.**
 454 pelagica, d'Orb.
- Pullenia, Parker and Jones.**
 455 sphæroides, d'Orb.
 456 quinqueloba, Reuss.
 457 obliqueloculata, Par. and Jones.
- Sphæroidina, d'Orb.**
 458 bulloides, d'Orb.
 459 dehiscens, Par. and Jones.
- Candeina, d'Orbigny.**
 460 nitida, d'Orb.
- Fam. VIII.—Rotaliidaæ.*
- Spirillina, Ehrenberg.**
 461 vivipara, Ehrenberg.
 462 margaritifera, Will.
 463 limbata, H. Bra.
 464 decorata, H. Bra.
- Patellina, Williamson.**
 465 corrugata, Will.
- Cymbalopora, Hagenow.**
 466 Poeyi, d'Orb.
 467 bulloides, d'Orb.
- Discorbina, Parker and Jones.**
 *468 turbo, d'Orb.
 469 globularis, d'Orb.
 470 arctica, Norman (nov. nom.) = obtusa,
 Par. and Jones (non d'Orb.).
 471 rosacea, d'Orb.
 472 orbicularis, Terquem.
 473 parisiensis, d'Orb.
 474 Bertheloti, d'Orb.
 475 Saulcyi, d'Orb.
 476 Wrightii, H. Bra.
- Planorbulina, d'Orbigny.**
 477 mediterraneensis, d'Orb.
 478 ariminensis, d'Orb.
 479 acervalis, H. Bra.
- Truncatulina, d'Orbigny.**
 480 refulgens, Montf.
 481 lobatula, Walk. and Jac.
 482 variabilis, d'Orb.
 483 Wuellerstorfi, Schwager.
 484 Haidingerii, d'Orb.
 485 Ungeriana, d'Orb.
 486 Robertsoniana, H. Bra.
 487 reticulata, Czjzek.
- Anomalina, d'Orbigny.**
 488 coronata, Par. and Jones.
 489 ariminensis, d'Orb.
- Carpenteria, Gray.**
 *490 monticularis, Carter.
 491 utricularis, Carter.
 492 proteiformis, Goës.
- Rupertia, Wallich.**
 493 stabilis, Wallich.
- Pulvinulina, Parker and Jones.**
 494 repanda, Fich. and Moll.
 495 punctata, d'Orb.
 496 concentrica, Par. and Jones.
 497 auricula, Fich. and Moll.
 498 oblonga, Will.
 499 Menardii, d'Orb.
 500 var. fimbriata, H. Bra.
 501 tumida, H. Bra.
 502 canariensis, d'Orb.
 503 patagonica, d'Orb.
 504 crassa, d'Orb.
 505 Micheliniana, d'Orb.
 506 exigua, H. Bra.
 507 pauperata, Par. and Jones.
 508 Schreibersii, d'Orb.
 509 Karsteni, Reuss.
 510 elegans, d'Orb.
- Rotalia, Lamarck.**
 511 Beccarii, Lin.
 512 Soldanii, d'Orb.
 513 nitida, Will.
 514 orbicularis, d'Orb.
- Gypsina, Carter.**
 515 globulus, Reuss.
 516 vesicularis, Par. and Jones.
 517 inhærens, Schultze.
- Polytrema, Risso.**
 518 miniaceum, Lin.

*Fam. IX.—Nummulinidæ.***Nonionina, d'Orbigny.**

519	depressula, Walk. and Jac
520	umbilicata, Mont.
521	pompiloides, Fich. and Moll.
522	orbicularis, H. Bra.
523	stelligera, d'Orb.
524	Boueana, D'Orb.
525	labradorica, Dawson.
526	scapha, Fich. and Moll.
527	communis, d'Orb.
528	pauperata, Balk. and Wri.
529	turgida, Will.

Polystomella, Lamarck.

530	striatopunctata, Fich. and Moll.
531	subnodosa, Münster.
532	arctica, Par. and Jones.
533	crispa, Linné.

Amphistegina, d'Orbigny.

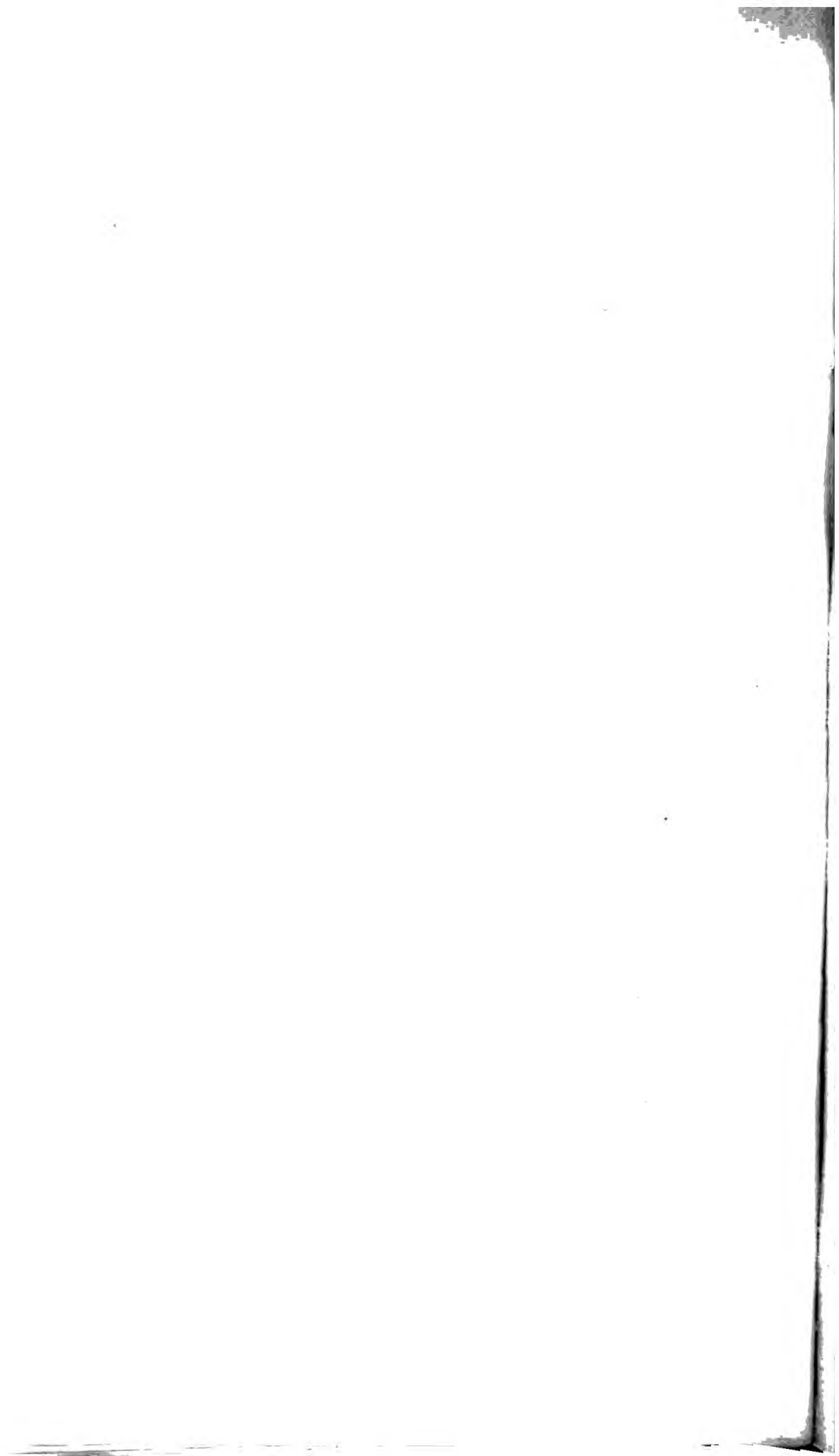
*534	Lessonii, d'Orb.
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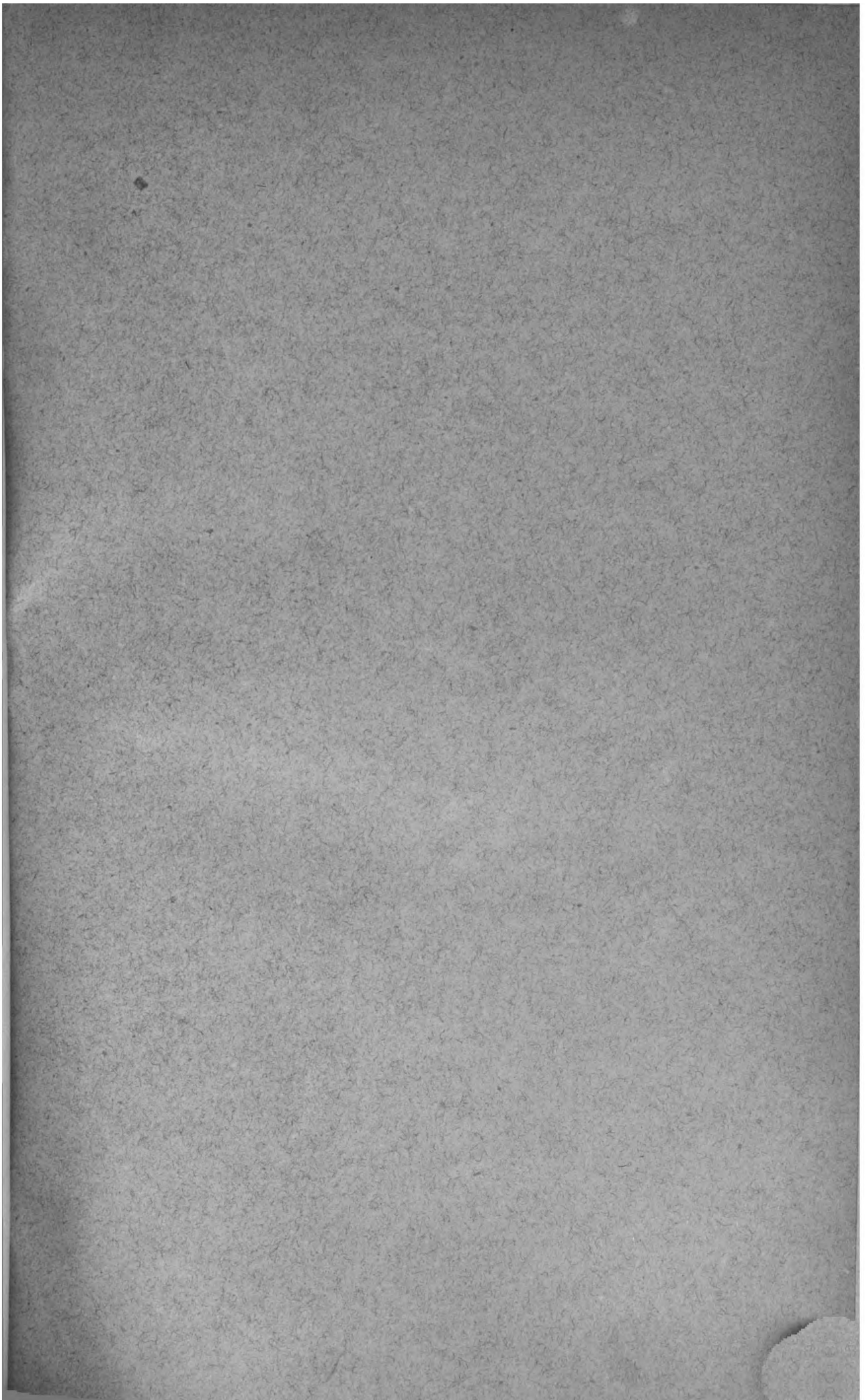
Operculina, d'Orb.

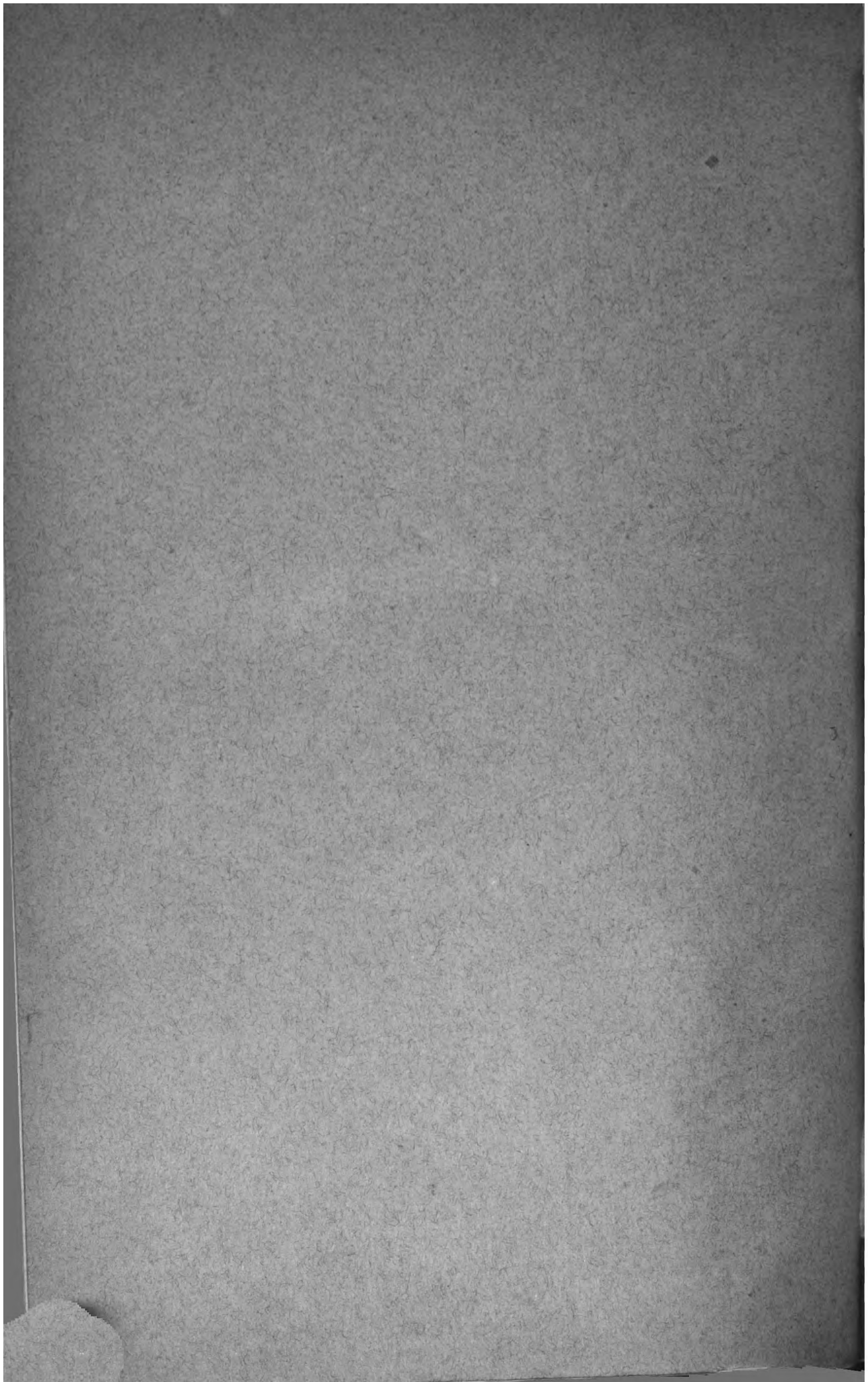
535	ammonoides, Gron.
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Heterostegina, d'Orbigny.

*536	depressa, d'Orb.
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MUSEUM NORMANIANUM,

OR

A Catalogue of the Invertebrata

OF

Europe and the Arctic and North Atlantic Oceans

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S., &c.



- IX. TUNICATA.
- X. STERNASPIS, GEPHYREA AND PHORONIS.
- XI. ANNELIDA POLYCHÆTA.
- XII. CÆLENTERATA.



DURHAM:
THOMAS CALDCLEUGH, PRINTER, 70, SADDLER STREET.

1897.



PREFATORY NOTES.

The North Atlantic is here regarded as limited by Lat. 35° N., or as extending a little to the South of the Strait of Gibraltar on the Eastern and to about Cape Hatteras on the Western side.

The Tunicata contain a large number of type specimens described by Alder and by Hancock, while many other typical specimens have been received from the describers, Heller, Traustedt (from the Copenhagen Museum), Garstang, Verrill and Van Beneden.

The Gephyrea embrace some types received from Koren and Danielssen.

The Annelida are the most imperfect portion of my collections. There are only a few typical specimens among them; these have been described by Hansen, Levensen and Verrill.

The Cœlenterata contain types received from authors or described from my collection by Alder, Allman, Lorenz, Verrill, Levensen, Bergh, Bourne, Heller, &c. It also embraces the collection which was bequeathed to me by the late Mr. George Barlee.

A few of the Cœlenterata in the following list which are from beyond this limit, namely, from the Madeiran Province, have the letter M after the name in order to signify their habitat.

A. M. NORMAN.

THE RECTORY,
HOUGHTON-LE-SPRING, R.S.O.,
CO. DURHAM.

November 18, 1897.

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MUSEUM NORMANIANUM.

IX.—TUNICATA.

- Eugyra, Alder and Hancock.**
1 glutinans, Möll. = arenosa, Ald. and Han.
2 globosa, Hancock.
3 arenata, Verrill.
4 arenosa, Heller (nec A. and H.).
- Bostrichobranchus, Traustedt.**
5 manhattensis, De Kay.
- Ctenicella, Lacaze Duthiers.**
6 complanata, Ald. and Han.
- Molgula, Forbes.**
7 impura, Heller.
8 ampulloides, Van Ben.
9 oculata, Forbes.
10 citrina, Ald. and Han.
11 eugyroides, Traustedt.
12 roscovita, Lacaze Dut.
13 grœnlandica, Traust.
14 (?) inconspicua, Ald. and Han.
15 (?) siphonata, Ald. and Han.
- Boltenia, Savigny.**
16 Bolteni, Linné.
- Microcosmus, Heller.**
17 vulgaris, Heller.
- Cynthia, Savigny.**
18 papillosa, Linné.
19 echinata, Linné.
20 squamulosa, Alder.
21 (?) quadrangularis, Forbes.
22 (?) partita, Stimp.
23 (?) coriacea, Ald. and Han.
24 granulata, Alder.
- Forbesiella, Herdman.**
25 tessellata, Forbes.
- Pelonaia, Forbes and Goodsir.**
26 corrugata, Forbes.
- Styela, MacLean.**
27 plicata, Lesson = gyrosa, Heller.
28 aggregata, O. F. Müll.
29 gelatinosa, Traus.
30 informis, Forbes.
- Styelopsis, Traustedt.**
31 grossularia, Van Ben.
- Polycarpa, Heller.**
32 glomerata, Alder.
33 comata, Alder.
34 pomaria, Sav.
35 obscura, Heller.
36 pusilla, Herdman.
37 rustica, Linné.
- Corella, Alder and Hancock.**
38 parallelogramma, O. F. Müll.
39 ovata, Hancock.
40 larvæformis, Hancock.
- Phallusia, Savigny.**
41 mammillata, Cuv.
- Ascidia, Linné.**
42 venosa, O. F. Müll.
43 aspersa, O. F. Müll.
44 scabra, O. F. Müll.
45 virginea, O. F. Müll. = sordida, Ald. and Han.
- Ascidia, Linné.**
46 mentula, O. F. Müll.
47 plebeia, Alder.
48 fumigata, Grube.
49 compressa, O. F. Müll.
50 depressa, Alder.
51 dijmphniana, Traus.
52 glacialis, Traus.
53 Olrickii, Traus.
54 complanata, Verrill.

- Ascidia, Linné.**—Continued.
- 55 rudis, Alder.
 56 elliptica, Ald. and Han.
 57 mollis, Ald. and Han.
 58 Normani, Ald. and Han.
 59 rubrotincta, Han.
 60 rubicunda, Han.
 61 robusta, Han.
 62 crassa, Han.
 63 aculeata, Ald.
 64 producta, Han.
 65 affinis, Ald. and Han.
 66 fusca, Cuv.
- Rhodosome, Ehrenberg.**
 67 callense, Lac. Duth.
- Ciona, Savigny.**
 68 fascicularis, Han.
 69 canina, O. F. Müll.
 70 intestinalis, Linné.
 71 pulchella, Alder.
- Diazona, Savigny.**
 72 violacea, Sav. = hebridica, F. and G.
- Rhopalia, Philippi.**
 73 neapolitana, Phil.
- Clavelina, Savigny.**
 74 lepadiformis, O. F. Müll.
 75 Rissoana, H. M. Edw.
 76 producta, H. M. Edw.
- Perophora, Lister.**
 77 Listeri, Wieg.
 78 viridis, Verrill.
- Pycnoclavella, Garstang.**
 79 aurilucens, Garstang.
- Archidistoma, Garstang.**
 80 aggregatum, Garstang.
- Botryllus, Gaertner and Pallas.**
 81 aurolineatus, Giard.
 82 smaragdus, H. M. Edw.
 83 Gouldii, Verrill.
- Polycyclus, Lamarck.**
 84 Renieri, Lamarck.
- Botrylloides, H. M. Edw.**
 85 Gascoi, Della Valle.
 86 rubrum, H. M. Edw.
 87 rotiferum, H. M. Edw.
- Distaplia, Della Valle.**
 88 magnilarva, D. Valle.
 89 rosea, D. Valle.
- Distoma, Gaertner.**
 90 Panceri, D. Valle.
- Distoma, Gaertner.**—Continued.
- 91 vitreum, M. Sars.
- Cystodytes, Drasche.**
 92 Delle Chiajei, D. Valle.
- Aurantium, Giard.**
 93 polyclinoides, nov. non = Polyclinum
 aurantium.
- Polyclinum, Savigny.**
 94 succineum, Alder.
 95 cerebriforme, Alder.
- Aplydium, Savigny.**
 96 zostericola, Giard.
 97 melleum, Alder.
- Amaroucium, H. M. Edwards.**
 98 albicans, H. M. Edw.
 99 proliferum, H. M. Edw.
 100 pomum, M. Sars.
 101 roseum, D. Valle.
 102 gibbosulum, Sav.
 103 pellucidum, Verrill.
 104 stellatum, Verrill.
 105 constellatum, Verrill.
- Parascidia, H. M. Edwards.**
 106 flabellata, Alder.
 107 Forbesii, Alder.
 108 Flemingii, Alder.
- Morchellium, Giard.**
 109 argus, H. M. Edw.
- Fragarium, Giard.**
 110 elegans, Giard.
 111 areolatum, Delle Chiaje.
- Circinalium, Giard.**
 112 conrescens, Giard.
- Didemnum, Savigny.**
 113 sargassicola, Giard.
- Leptoclinum, H. M. Edwards.**
 114 fulgidum, H. M. Edw.
 115 maculatum, H. M. Edw.
 116 asperum, H. M. Edw.
 117 durum, H. M. Edw.
 118 tenue, Herdman.
 119 albidum, Verrill.
- Diplosoma, Macdonald.**
 120 gelatinosum, H. M. Edw.
 121 Listerianum, D. Valle.
 122 punctatum, Forbes.
 123 Kochlerianum, Lahille.
- Thylacium, Carus.**
 124 Normani, Alder.

- Synstyela, Giard.**
 125 variegata, Alder.
- Pyrosoma, Péron.**
 126 elegans, Lesson.
 127 giganteum, Lesson.
- Doliolum, Quoy and Gaimard.**
 128 tritonis, Herdman.
 129 denticulatum, Quoy and Gaim.
- Cyclosalpa, Blainville.**
 130 pinnata, Forskäl.

- Salpa, Forskäl.**
 131 punctata, Forskäl.
 132 scutigera—confœderata, Cuv.—
 Forsk.
 133 runcinata—fusiformis, Cham.—Cuv.
 134 africana—maxima, Forskäl.
- Thalia, Blumenbach.**
 135 democratica—mucronata, Forskäl.
- Iasis, Savigny.**
 136 costata—Tilesii, Q. and G.—Cuv.
- Oikopleura (Mertens), Fol.**
 137 dioica, Fol.

X.—GEPHYREA; STERNASPIS AND PHORONIS.

- Sternaspis, Otto.**
 1 scutata, Renier.
 2 fossor, Stimpson.
- Bonellia, Rolando.**
 3 viridis, Rolando.
 4 fuliginosa, Rolando.
- Echiurus, Cuvier.**
 5 vulgaris, Savigny.
- Thalassema, Gaertner.**
 6 neptuni, Gaertner.
- Halicryptus, Siebold.**
 7 spinulosus, Siebold.
- Priapulus, Lamarck.**
 8 caudatus, Lamarck.
- Sipunculus, Linné.**
 9 nudus, Linné.
 10 tessellatus, Rafinesque.
- Aspidosiphon, Diesing.**
 11 radiatus, Alder. = A. mirabilis, Theel.
 12 scutatus, J. Müller.
- Tylosoma, Koren and Danielssen.**
 13 Lütkeni, Kor. and Dan.
- Onchnesoma, Koren and Danielssen.**
 14 Steenstrupii, Kor. and Dan.
 15 Sarsii, Kor. and Dan.
 16 glaciale, Dan. and Cor.

- Pelalostoma, Keferstein.**
 17 minutum, Kef.
- Phascolosoma.**
 18 vulgare, Blainville.
 19 tenuicinctum, McCoy. = P. elongatum,
 Kef.
 20 margaritaceum, M. Sars.
 21 procerum, Möbius.
 22 eremita, M. Sars.
 23 Lilljeborgii, Dan. and Kor.
 24 squamatum, Kor. and Dan.
- Phymosoma, Quatrefages.**
 25 tigrinum, Risso. = Phas. granulatum,
 Leuck.
 26 papillosum, W. Thompson.
- Stephanosoma, Danielssen and Koren.**
 27 Hanseni, Dan. and Kor.
- Phascolion.**
 28 strombi, Montagu.
 29 var. tuberculosum, Theel.
- Epithetosoma, Danielssen and Koren.**
 30 norvegicum, Dan. and Kor.
- Phoronis, Strethill Wright.**
 31 hippocrepis, S. Wright.
 32 Kowalevskii, Caldwell.

XI.—ANNELIDA POLYCHÆTA.

- | | | | |
|----|-------------------------------|----|--|
| | Spinther, Johnston. | | Lepidasthenia, Malmgren. |
| 1 | oniscoides, Johnston. | 30 | elegans, Grube. |
| | Euphrosine, Savigny. | | Polyodontes, Renier. |
| 2 | borealis, Oersted. | 31 | maxillosus, Audouin and Edwards. |
| 3 | cirrata, M. Sars. | | Pholoe, Johnston. |
| | armadillo, M. Sars. | 32 | minuta, Oersted. |
| | foliosa, Audouin and Savigny. | | Sigalion, Audouin and Edwards. |
| | Paramphinome, M. Sars. | 33 | squamatum, Delle Chiaje. |
| 6 | pulchella, M. Sars. | | Psammolyce, Kinberg. |
| | Aphrodita, Linné. | 34 | arenosa, Claparède. |
| 7 | aculeata, Linné. | | Sthenelais, Kinberg. |
| | Lætmonice, Malmgren. | 35 | boa, Johnston. |
| 8 | filicornis, Kinberg. | 36 | idunæ, Rathke. |
| | Hermione, Blainville. | 37 | dendrolepis, Claparède. |
| 9 | hystrix, Savigny. | | Leanira, Kinberg. |
| | Pontogenia, Claparède. | 38 | tetragona, Oersted. |
| 10 | chrysocoma, Claparède. | | Notophyllum, Oersted. |
| | Lepidonotus, Leach. | 39 | foliosum, M. Sars. |
| 11 | squamatus, Linné. | | Eumida, Malmgren. |
| 12 | clava, Montagu. | 40 | sanguinea, Oersted. |
| | Dasylepis, M. Sars. | | Eulalia, Savigny. |
| 13 | asperrima, M. Sars. | 41 | viridis, Linné. |
| | Gattyana, McIntosh. | | Phyllodoce, Savigny. |
| 14 | cirrosa, Pallas. | 42 | maculosa, O. F. Müller. |
| | Eunoe, Malmgren. | 43 | lamelligera, Turton = laminosa,
Malmgren. |
| 15 | nodosa, M. Sars. | 44 | Paretti, Blainville. |
| | Antinoe, Kinberg. | | Eteone, Savigny. |
| 16 | Sarsi, Malmgren. | 45 | striata, Levinsen. |
| | Eucranta, Malmgren. | 46 | flava, Fabricius. |
| 17 | villosa, Malmgren. | 47 | maculata, Oersted. |
| | Harmothoe, Kinberg. | 48 | fucata, M. Sars. |
| 18 | imbricata, Linné. | 49 | longa, Fabricius. |
| 19 | floccosa, Savigny. | 50 | depressa, Malmgren. |
| 20 | areolata, Grube. | 51 | cylindrica, Oersted. |
| | Acholoe, Claparède. | 52 | siphonodonta, Grube. |
| 21 | astericola, Claparède. | | Alciope, Audouin and Edwards. |
| | Evarne, Malmgren. | 53 | Cantrainii, Claparède. |
| 22 | impar, Johnston. | | Liocapa, A. Costa. |
| 23 | Johnstoni, M. | 54 | candida, Delle Chiaje. |
| 24 | Normani, McIntosh. | | Vanadis, Claparède. |
| | Lænilla, Malmgren. | 55 | formosa, Claparède. |
| 25 | setosissima, Savigny. | | Nephtys, Cuvier. |
| | Lagisca, Malmgren. | 56 | coeca, Fabricius. |
| 26 | rarispinga, M. Sars. | 57 | Hombergi, Audouin and Edwards. |
| 27 | clavigera, M. Sars. | 58 | ciliata, O. F. Müller. |
| 28 | floccosa, Savig. | 59 | incisa, Malmgren. |
| 29 | antennata, Grube. | | |

- Nephtys, Cuvier.**—Continued.
- 60 Malmgreni, Theel.
61 emarginata, Malm.
- Glycera, Savigny.**
- 62 capitata, Oersted.
63 setosa, Oersted.
64 alba, O. F. Müller.
65 dubia, Blainville.
66 Goesi, Malmgren.
- Goniada, Audouin and Savigny.**
- 67 maculata, Oersted.
68 norvegica, Oersted.
- Staurocephalus, Grube.**
- 69 rubrovittatus, Grube.
70 Rudolphii, Ehlers.
- Lumbriconereis, Blainville.**
- 71 fragilis, O. F. Müller.
72 contorta, Quatrefages.
- Halla, A. Costa.**
- 73 parthenopeia, A. Costa.
- Maclovina, Grube.**
- 74 gigantea, Quatrefages.
- Lysidice, Savigny.**
- 75 ninetta, Audouin and Edwards.
- Paractius, Levinsen.**
- 76 littoralis, Levinsen.
- Onuphis, Audouin and Edwards.**
- 77 conchylega, M. Sars.
78 quadricuspis, G. O. Sars.
79 hyperborea, A. Hansen.
- Hyalinocœcia, Malmgren.**
- 80 tubicola, O. F. Müller.
- Diopatra, Audouin and Edwards.**
- 81 neapolitana, Delle Chiaje.
- Eunice, Cuvier.**
- 82 Harrassi, Aud. and Edw.
83 gigantea, Delle Chiaje.
84 purpurea, Grube.
85 siciliensis, Grube.
- Leodice, Savigny.**
- 86 norvegica, Linné.
- Nereis, Linné.**
- 87 pelagica, Linné.
88 cultrifera, Grube.
89 Dumerillii, Audouin and Edwards.
90 diversicolor, O. F. Müller.
91 zonata, Malmgren.
92 Vaillantii, St. Joseph.
- Ophiodromus, M. Sars.**
- 93 vittatus, M. Sars.
- Castalia, Savigny.**
- 94 punctata, O. F. Müller.
95 Fabricii, Malmgren.
- Syllis, Savigny.**
- 96 spongicola, Grube.
97 armillaris, O. F. Müller.
- Gattiola, Johnston.**
- 98 spectabilis, Johnston.
- Autolytus, Grube.**
- 99 longisetosus, Oersted.
- Ephesia, H. Rathke.**
- 100 gracilis, Rathke.
- Tomopteris, Eschscholtz.**
- 101 phasma, Dalyell.
- Scolecoplepis, Blainville.**
- 102 cirrata, M. Sars.
- Spio, Fabricius.**
- 103 fuliginosus, Claparède.
- Polydora, Bose.**
- 104 ciliata, Johnston.
- Nerine, Johnston.**
- 105 cirratulus, Delle Chiaje.
- Chætopterus, Cuvier.**
- 106 insignis, Baird.
107 variopedatus, Renier.
- Cirratulus, Lamarck.**
- 108 cirratus, O. F. Müller.
109 tentaculatus, Montagu.
- Audouinia, Quatrefages.**
- 110 filigera, Delle Chiaje.
- Aricia, Savigny.**
- 111 Cuvieri, Audouin and Edwards.
112 Kupfferi, Ehlers.
113 foetida, Claparède.
114 norvegica, M. Sars.
- Scolophos, Blainville.**
- 115 armiger, O. F. Müller.
- Naidonereis, Blainville.**
- 116 quadricuspida, Fabricius.
- Ammotrypane, H. Rathke.**
- 117 aulogastra, Rathke.
- Ophelia, Savigny.**
- 118 radiata, Delle Chiaje.
119 limacina, Rathke.
- Polyophthalmus, Quatrefages**
- 120 pictus, Dujardin.
- Travisia, Johnston.**
- 121 Forbesii, Johnston.
- Siphonostoma, Otto.**
- 122 diplocaetos, Otto.

- Flabelligera, M. Sars.**
 123 affinis, M. Sars.
Stylaroides, Delle Chiaje.
 124 monilifer, Delle Chiaje.
Brada, Stimpson.
 125 villosa, Rathke.
 126 granulata, Malmgren.
 127 granulosa, A. Hansen.
Trophonia, Audouin and Edwards.
 128 plumosa, Rathke.
 129 glauca, Malmgren.
 130 flabellata, M. Sars.
 131 affinis, Verrill.
Eumenia, Oersted
 132 crassa, Oersted.
Scalibregma, H. Rathke.
 133 inflatum, Rathke.
 134 parvum, A. Hansen.
 135 longisetosum, Theel.
Polyphesia, Quatrefages.
 136 crassa, Oersted.
Arenicola, Lamarck.
 137 marina, Linné.
 138 Grubei, Claparède.
Capitella, Blainville.
 139 capitata, Fabricius.
Notomastus, M. Sars.
 140 latericeus, M. Sars.
Dasybranchus, Grube.
 141 caducus, Grube.
Rhodine, Malmgren.
 142 Lovéni, Malmgren.
Nicomache, Malmgren.
 143 lumbricalis, Fabricius.
Praxilla, Malmgren.
 144 prætermisssa, Malmgren.
Axiothea, Malmgren.
 145 catenata, Malmgren.
Maldane, Grube.
 146 biceps, M. Sars.
 147 Sarsi, Malmgren.
Owenia, Delle Chiaje.
 148 filiformis, Delle Chiaje.
Myriochele, Malmgren.
 149 Danielsseni, A. Hansen.
Pectinaria, Lamarck.
 150 belgica, Pallas.
 151 auricoma, O. F. Müller.
 152 granulata, Linné.
 153 hyperborea, Malmgren.
Lagis, Malmgren.
 154 Koreni, Malmgren.
Melinna, Malmgren.
 155 cristata, M. Sars.
Ampharete, Malmgren.
 156 Goësi, Malmgren.
 157 Grubei, Malmgren.
Amphicteis, Grube.
 158 Gunneri, M. Sars.
 159 curvipalea, Claparède.
Sabellides, H. M. Edwards.
 160 borealis, M. Sars.
Samatha, Malmgren.
 161 sexcirrata, M. Sars.
Amphitrite, O. F. Müller.
 162 cirrata, O. F. Müller.
 163 variabilis, Marenzeller.
 164 rubra, Risso.
 165 ornata, Verrill.
Terebella, Linné.
 166 nebulosa, Montagu = debilis,
 Malmgren.
Lanice, Malmgren.
 167 conchylega, Pallas.
Nicolea, Malmgren.
 168 venustula, Montagu = zostericola,
 Oersted.
Leprea, Malmgren.
 169 lapidaria, Linné = T. constrictor,
 Montagu.
Pista, Malmgren.
 170 cristata, O. F. Müller.
Axionice, Malmgren.
 171 flexuosa, Grube.
Thelepus, Leuckart.
 172 cincinnatus, Fabricius.
Leucariste, Malmgren.
 173 arcticus, M. Sars. = albicans,
 Malmgren.
Ereutho, Malmgren.
 174 Smithi, Malmgren.
Polycirrus, Grube.
 175 aurantiacus, Grube.
Grymæa, Malmgren.
 176 Bairdi, Malmgren.
Leprea, Malmgren.
 177 lapidaria, Linné = tatrix, Malmgren.
Trichobanchus, Malmgren.
 178 glacialis, Malmgren.

- Terebellides, M. Sars.**
179 Stroemii, M. Sars.
- Artacama, Malmgren.**
180 proboscidea, Malmgren.
- Sabellaria, Lamarck.**
181 alveolata, Linné.
- Sabella, Linné.**
182 penicillus, O. F. Müller = pavonia,
Savigny.
183 Fabricii, Kröyer = crassicornis,
M. Sars.
184 arenilega, Quatrefages.
- Branchiomma, Kölliker.**
185 Köllikeri, Claparède.
186 vesiculosum, Claparède.
- Potamilla, Malmgren.**
187 Torelli, Malmgren.
- Dasychone, M. Sars.**
188 infarcta, Kröyer.
189 lucullana, Delle Chiaje.
- Euchone, Malmgren.**
190 papillosa, M. Sars.
- Chone, Kröyer.**
191 infundibuliformis, Kröyer.
192 Duneri, Malmgren.
- Spirographis, Viviani.**
193 ventilabrum, Gmelin = Spallanzanii,
Viviani.
- Othonia, Johnston.**
194 Fabricii, O. F. Müller.
- Myxicola, Koch.**
195 infundibulum, Renier.
- Amphiglena, Claparède.**
196 mediterranea, Leydig.
- Filograna, Oken.**
197 implexa, Berkeley.
- Salmacina, Claparède.**
198 ædificatrix, Claparède.
- Protula, Risso.**
199 intestinum, Lamarck.
- Hydroides, Gunner.**
200 norvegica, Gunner.
201 uncinata, Philippi.
- Serpula, Linné.**
202 vermicularis, Ellis.
- Pomatocerus, Philippi.**
203 triqueter, Linné.
- Placostegus, Philippi.**
204 tridentatus, J. C. Fabricius.
- Ditrupa, Berkeley.**
205 arietina, O. F. Müller.
- Apomatus, Philippi.**
206 globifer, Theel.
- Chitinipoma, Levinsen.**
207 Fabricii, Levinsen.
- Spirorbis, Daudin.**
208 verruca, Fabricius.
209 borealis, Daudin.
210 Mörchi, Levinsen.
211 affinis, Levinsen.
212 carinatus, Montagu.
213 granulatus, Linné.
214 vitreus, Fabricius.
215 spirillum, Linné = lucidus, Montagu.
216 cancellatus, Fabricius.
217 violaceus, Levinsen.

XII.—CŒLEENTERATA.

A.—HYDROZOA.

- Cordylophora, Allman.**
1 lacustris, Allman.
- Clava, Gmelin.**
2 multicaulis, Forskäl.
3 squamata, Müller.
4 cornea, T. S. Wright.
5 leptostyla, Agassiz.
- Tubiclava, Allman.**
6 lucerna, Allman.
- Merona, Norman.**
7 cornucopiæ, Norman.
- Corydendrium, Van Beneden.**
8 parasiticum, Van Beneden.
- Coryne, Gaertner.**
9 pusilla, Gaertner.
10 vermicularis, Hincks.
11 vaginata, Hincks.
12 fruticosa, Hincks.
13 nutans, Allman.

- Syncoryne, Ehrenberg.**
 14 *eximia*, Allman.
 15 *mirabilis*, Agassiz.
- Gemmaria, M'Crady.**
 16 *implexa*, Alder.
- Dicoryne, Allman.**
 17 *conferta*, Alder.
- Garveia, Stethill Wright.**
 18 *nutans*, S. Wright.
- Wrightia, Allman.**
 19 *arenosa*, Alder.
- Heterocordyle, Allman.**
 20 *Conybearei*, Allman.
- Bourgainvillia, Lesson.**
 21 *ramosa*, Van Beneden.
 22 *muscus*, Allman.
- Perigonimus, M. Sars.**
 23 *repens*, St. Wright.
 24 *linearis*, Alder.
 25 *abyssi*, G. O. Sars.
 26 *multicornis*, Levensen.
- Eudendrium, Ehrenberg.**
 27 *ramosum*, Linné.
 28 *rameum*, Pallas.
 29 *capillare*, Alder.
 30 *arbuscula*, S. Wright.
 31 *insigne*, Hincks.
 32 *annulatum*, Norman.
 33 *vaginatum*, Allman.
 34 *racemosum*, Cavolini.
 35 *album*, Nutting.
 36 *rigidum*, Allman.
- Hydractinia, Van Beneden.**
 37 *echinata*, Fleming.
- Podocoryne, M. Sars.**
 38 *carnea*, M. Sars.
 39 *areolata*, Alder.
- Corynopsis, Allman.**
 40 *Alderi*, Hodge.
- Pennaria, Goldfuss.**
 41 *Cavolinii*, Ehrenberg.
- Halocordyle, Allman.**
 42 *tiarella*, Ayres.
- Cladocoryne, W. O. Rotch.**
 43 *floccosa*, Rotch.
- Myriothela, M. Sars.**
 44 *phrygia*, Fabricius.
 45 *Cocksii*, Vigers.
- Corymorpha, M. Sars.**
 46 *nutans*, M. Sars.
- Corymorpha, M. Sars.—Continued.**
 47 *uvaria*, A. Schmidt.
- Monocaulus, Allman.**
 48 *grœnlandicus*, Allman.
- Tubularia, Linné.**
 49 *indivisa*, Linné.
 50 *larynx*, Ell. and Sol.
 51 *attenuata*, Allman.
 52 *simplex*, Alder.
 53 *humilis*, Allman.
 54 *bellis*, Allman.
- Ectopleura, Agassiz.**
 55 *Dumortieri*, Van Beneden.
- Clytia, Lamouroux.**
 56 *Johnstoni*, Alder.
- Obelia, Péron and Lesueur.**
 57 *geniculata*, Linné.
 58 *gelatinosa*, Pallas.
 59 *longissima*, Pallas.
 60 *dichotoma*, Linné.
 61 *plicata*, Hincks.
- Campanularia, Lamarck.**
 62 *volubilis*, Linné.
 63 *Hincksii*, Alder.
 64 *integra*, Macgillivray.
 65 *calyculata*, Hincks.
 66 *grœnlandica*, Levensen.
 67 *verticillata*, Linné.
 68 *flexuosa*, Hincks.
 69 *angulata*, Hincks.
 70 *neglecta*, Alder.
 71 *gigantea*, Hincks.
- Gonothyraea, Allman.**
 72 *Lovéni*, Allman.
 73 *gracilis*, M. Sars.
 74 *hyalina*, Hincks.
- Opercularella, Hincks.**
 75 *lacerata*, Johnston.
- Lafoeina, M. Sars.**
 76 *maxima*, Levensen.
 77 *tenuis*, M. Sars.
- Lafoea, Lamouroux.**
 78 *dumosa*, Fleming.
 79 *fruticosa*, M. Sars.
 80 *grandis*, Hincks.
 81 *capillaris*, G. O. Sars.
- Hebella, Allman.**
 82 *pocillum*, Hincks.
- Lichorella, Allman.**
 83 *helicoides*, Allman.

- Calycella, Hincks.**
 84 syringa, Linné.
 85 producta, G. O. Sars.
- Halisiphonia, Allman.**
 86 Allmani, Norman, n. sp.*
- Stegapoma, Levensen.**
 87 fastigiatum, Alder.
 88 plicatile, G. O. Sars.
- Cuspidella, Hincks.**
 89 humilis, Hincks.
 90 grandis, Hincks.
- Acryptolaria, Norman.**
 91 exserta, Busk.
- Salacia, Lamouroux.**
 92 abietina, M. Sars.
- Filellum, Hincks.**
 93 serpens, Hassall.
- Scapus, Norman.**
 94 tubulifer, Norman.
- Coppinia, Hassall.**
 95 arcta, Dalzell.
- Halecium, Oken.**
 96 halecinum, Linné.
 97 Beanii, Johnston.
 98 labrosum, Alder.
 99 tenellum, Hincks.
 100 plumosum, Hincks.
 101 geniculatam, Norman.
 102 sessile, Norman.
 103 boreale, Lorenz.
 104 curvicaule, Lorenz.
 105 muricatum, Ell. and Sol.
- Haloikema, G. C. Bourne.**
 106 Lankesteri, G. C. Bourne.
- Sertularia, Linné.**
 107 pumila, Linné.
 108 gracilis, Hassall.
 109 tenera, G. O. Sars.
 110 operculata, Linné.
 111 filicula, Ell. and Sol.
 112 abietina, Linné.
 113 polyzonias, Linné.
 114 var. gigantea, Hincks.
 115 Gayi, Lamouroux.
 116 var. robusta, Allman.
 117 quadridentata, Hincks.
 118 pinnata (Clark), Marenz.
 119 tricuspidata, Alder.
- Sertularia, Linné.—Continued.**
 120 rugosa, Linné.
 121 tenella, Alder.
 122 Dijnphna, Bergh.
 123 fusiformis, Hincks.
- Diphasia, Agassiz.**
 124 rosacea, Linné.
 125 attenuata, Hincks.
 126 elegans, G. O. Sars.
 127 fallax, Johnston.
 128 pinaster, Ell. and Sol.
 129 pinnata, Pallas.
 130 alata, Hincks.
 131 tamarisca, Linné.
 132 coronifera, Allman.
- Hydrallmannia, Hincks.**
 133 falcata, Linné.
- Selaginopsis.**
 134 mirabilis, Verrill.
 135 fusca, Johnston.
- Thuiaria, Fleming.**
 136 argentea, Ell and Sol.
 137 cupressina, Ell. and Sol.
 138 thuia, Linné.
 139 lonchitis, Ell. and Sol.
 140 hippuris, Allman.
 141 laxa, Allman.
 142 carica, Levensen.
 143 alternitheca, Levensen.
- Aglaophenia, Lamouroux.**
 144 pluma, Linné.
 145 var. b., Hincks.
 146 tubulifera, Hincks.
 147 octodonta, Heller.
 148 Kirchenpaueri, Heller.
- Lytocarpia, Kirchenpauer.**
 149 radicillata, G. O. Sars.
 150 formosa, Allman.
 151 myriophyllum, Linné.
- Cladocarpus, Allman.**
 152 cornutus, Verrill.
 153 bicuspis, G. O. Sars.
- Gymnangium, Hincks.**
 154 pennatula, Lamouroux.
 155 integrum, G. O. Sars.
- Plumularia, Lamarck.**
 156 pinnata, Lamarck.
 157 frutescens, Lamarck.
 158 setacea, Ellis.

* See Allman Report, *Challenger* Hydroida, Pt. II, p. 33.

Beroe, Brown.

- 210 ovata, Eschscholtz.
211 Forskälli, H. M. Edwards.

*Siphonophora.***Veleva, Lamarck.**

- 212 spirans, Forskäl.
Muggiæa, Busch.
213 atlantica, Cunningham.
Praya, Blainville.
214 cymbiformis, Delle Chi.
Lilyopsis, Chun.
215 diphyes, Chun.
Diphyes, Cuvier.
216 Sieboldi, Köll.
Calpe, Quoy and Gaimard.
217 pentagona, Quoy and Gai.
Hippopodius, Quoy and Gaimard.
218 gleba, Leuckart.
Apolemia, Eschscholtz.
219 uvaria, Lesson.
Agalmopsis, M. Sars.
220 Sarsii, Köll.
Halistemma, Huxley.
221 rubrum, Vogt.
Forskalia, Kölliker.
222 contorta, H. M. Edw.
223 Edwardsii, Köll.
Physophora, Forskäl.
224 hydrostatica, Forskäl.
Rhizophysa, Péron and Lesueur.
225 filiformis, Forskäl.
Physalia, Lamarck.
226 caravalla, O. F. Müll.

*Hydrocorallinae.***Pliobothrus, Pourtalès.**

- 227 symmetricus, Pourtalès.
Allopora, Ehrenberg.
228 oculina, Ehrenberg.
Stylaster, J. E. Gray.
229 gemmascens, H. M. Edw.

*Calycozoa.***Depastrum, Gosse.**

- 230 cyathiforme, M. Sars.
Halicystus, Clark.
231 octoradiatus, Lamarck.
Lucernaria, O. F. Müller.
232 quadricornis, O. F. Müll.

B.—ACTINOZOA.*Alcyonaria.***Clavularia, Quoy and Gaimard.**

- 233 arctica, Koren and Danielssen.
234 borealis, Koren and Danielssen.

Symphodium, Ehrenberg.

- 235 coralloides, Pallas.
236 abyssorum, Danielssen.

Sarcodictyon, E. Forbes.

- 237 catenata, E. Forbes.
238 albicolor, Norman.

Alcyonium, Linné.

- 239 digitatum, Linné.
240 palmatum, Pallas.
241 rubiforme, Dan.

Paralcyonium, Edwards and Haime.

- 242 elegans, H. M. Edwards.

Gersemia, Marenzeller.

- 243 Danielsseni, Marenzeller.

Duva, Koren and Danielssen.

- 244 flava, Danielssen.
245 rosea, Koren and Danielssen.

Vœringia, Danielssen.

- 246 fruticosa, Danielssen.
247 capitata, Danielssen.
248 abyssicola, Danielssen.

Ammothea, Lamarck.

- 249 Lutkeni, Marenzeller.
250 arctica, Lütken.
251 flavescens, Danielssen.

Barathrobium, Danielssen.

- 252 digitatus, Dan.

Sarcophyton, M. Sars.

- 253 purpureum, Koren and Dan.

Paragorgia, H. M. Edwards.

- 254 arborea, Linné.
255 Johnsoni, J. E. Gray *M.*

Anthothela, Verrill.

- 256 grandiflora, M. Sars.
257 nodosa, Koren and Danielssen.

Anthomastus, Verrill.

- 258 grandiflorus, Verrill.

Acanthogorgia, Verrill.

- 259 armata, Verrill.
260 Grayi, J. G. Johnson *M.*

Gorgonella, Valenciennes.

- 261 sarmentosa, Lamarck.

- Gorgonia, Linné.**
 262 verrucosa, Pallas.
 263 Cavolinii, Kölliker.
 264 profundi, Kölliker.
- Muricea, Lamouroux.**
 265 placomus, Linné.
 266 chamæleon, Koch.
 267 flavescens.
 268 echinata, Koch.
- Primnoa, Lamouroux.**
 reseda, Pallas.
 269 Ellisii, Koch.
 270 verticillata, Pallas.
- Mopsea, Lamouroux.**
 271 elongata, Esper.
- Acanella, E. J. Gray.**
 272 Normani, Verrill.
- Corallium, Lamarck.**
 273 rubrum, Linné.
- Pennatulida.*
- Pteroeides, Herklots.**
 274 griseum, Bohadsch.
 275 var. longispinosum, Köll.
- Pennatula, Linné.**
 276 phosphorea, Lin.
 277 var. angustifolia, Köll.
 278 var. lancifolia, Köll.
 279 var. aculeata, Köll.
 280 var. candida, Marsh and Ford.
 281 distorta, Kor. and Dan.
 282 var. aculeata, Kor. and Dan.
- Ptilella, J. E. Gray.**
 283 grandis, Ehrenberg.
- Virgularia, Lamarck.**
 284 mirabilis, O. F. Müll.
 285 affinis, Kor. and Dan.
 286 grandiflora, Verrill.
- Svava, Koren and Danielssen.**
 287 glacialis, Kor. and Dan.
 288 var. alba, Kor. and Dan.
- Dübenia, Koren and Danielssen.**
 289 abyssorum, Kor. and Dan.
 290 elegans, Kor. and Dan.
- Pavonaria, Kölliker.**
 291 finmarchica, M. Sars.
- Funiculina, Linné.**
 292 quadrangularis, Blain.
- Halipterus, Kölliker.**
 293 Christii, Kor. and Dan.

- Kophobelemnon, Asbjørnsen.**
 294 stelliferum, O. F. Müll.
 295 var. durum, Köll.
 296 Möbii, Kor. and Dan.
 297 Leuckartii, Köll.
- Cladiscus, Koren and Danielssen.**
 298 Köllikeri, Dan. and Kor.
- Deutocaulon, Marshall and Fowler.**
 299 hystricis, Marsh. and Fow.
- Protoptilum, Kölliker.**
 300 Thomsoni, Köll.
- Leptoptilum, Kölliker.**
 301 gracile, Köll.
- Renilla, Lamarck.**
 302 reniformis, Pallas.
- Stylobelemnon, Kölliker.**
 303 pusillum, Philippi.
- Veretillum, Cuvier.**
 304 cynomorium, Pallas.

Antipatharia.

- Leiopathes, J. E. Gray.**
 305 glaberrima, Esper.
- Antipathes, Pallas.**
 306 (?) ænea, G. V. Koch.
- Antipathella, G. Brook.**
 307 subpinnata, Ell. and Soll.
 308 gracilis, Gray *M.*
- Aphanipathes, G. Brook.**
 309 Wollastoni, G. E. Gray *M.*
 310 (?) arctica, Lütken.
- Stichopathes, G. Brook.**
 311 gracilis, J. E. Gray *M.*
- Parantipathes, G. Brook.**
 312 larix, Esper.

Zoantharia.

- Anemonia, Risso.**
 313 sulcata, H. M. Edw.
- Actinia, Linné.**
 314 equina, Lin.
 315 Cari, Delle Chi.
- Bulocera, Gosse.**
 316 Tuediae, Johnston.
- Bunodes, Gosse.**
 317 gemmaceus, Gosse.
- Tealia, Gosse.**
 318 crassicornis, O. F. Müll.
- Chondractinia, Lütken.**
 319 digitata, O. F. Müll.

- Chondractinia, Lütken.**—continued.
 320 nodosa, Fabr.
 321 callosa, Verrill.
Hormathia, Gosse.
 322 Margaritae, Gosse.
Actinauge, Verrill.
 323 nodosa, Verrill.
Alicia, J. G. Johnson.
 324 Costæ, Panceri.
Cereactis, Andres.
 325 aurantiaca, Delle Chi.
Paranthus, Andres.
 326 chromatoderus, Andres.
Cereus, Oken.
 327 pedunculatus, Pennant = Sargartia
 bellis, Ell. and Sol.
Metridium, Oken.
 328 senilis, Linné = Actinoloba dianthus,
 Ellis.
 329 marginatum, Lesueur.
Adamsia, E. Forbes.
 330 palliata, Bohadsch.
 331 Rondeletii, Delle Chi.
Gephyra, G. O. Koch.
 332 Dohrni, Koch.
Phellia, Gosse.
 333 abyssicola, Kor. and Dan.
Chitonactis, Fischer.
 334 coronata, Gosse.
Halcampa, Gosse.
 335 producta, Stimpson.
Andvakia, Danielssen.
 336 mirabilis, Dan.
Edwardsia, Quatrefages.
 337 Claparedi, Panceri.
 338 Andresi, Dan.
Mardoell, Danielssen.
 339 Erdmanni, Dan.
Epizoanthus, J. E. Gray.
 340 incrustatus, Düb. and Kor. =
 americanus, Verrill.
 341 var., Barleei, Gray.
 342 arenaceus, Delle Ch.
 343 Couchii, Johnst.
 344 norvegicus, Kor and Dan.
 345 paguriphilus, Verrill.
 346 glacialis, Dan.
 347 arcticus, M. Sars.

- Parazoanthus, Haddon and Shackleton.**
 348 axinellae, O. Schmidt.
 349 anguicomma, Norman.
 350 Dixoni, Hadd. and Shack.
Cerianthus, Delle Chiaje.
 351 solitarius, Rapp.
 352 membranaceus, Spall.

Madreporaria.
Caryophyllia, Lamarck.
 353 cyathus, Lamarck.
 354 Smithi, Stokes and Brod.
 355 Clavus, Scacchi.
 356 communis, Moseley.
 357 profunda, Moseley *M.*
Rhizotrochus, M. Edw. and Haime.
 358 affinis, Duncan.
Blastosmilia, Duncan.
 359 fecunda, Pourtalès (?) *M.*
Deltocyathus, M. Edw. and Haime.
 360 Agassizii, Pourtalès.
Sphenotrochus, M. Edw. and Haime.
 361 Macandrewianus, M. Edw. and Haime.
Guynia, Duncan.
 362 annulata, Duncan.
Flabellum, Lesson.
 363 lacinulatum, Ell. and Sol.
Thecopsammia.
 364 socialis, Pourtalès.
Lophohelia, M. Edw. and Haime.
 365 prolifera, Pallas.
Amphihelia, M. Edw. and Haime.
 366 oculata, Linné.
 367 ramea, Müll.
Madracis, M. Edw. and Haime.
 368 asperula, M. Edw. and Haime. *M.*
Cladocora, Ehrenberg.
 369 cespitosa, Linné.
Astrangia, M. Edw. and Haime.
 370 Danae, M. Edw. and Haime.
Balanophyllea, S. Wood.
 371 regia, Gosse.
Dendrophyllaea, Blainville.
 372 ramea, Linné.
Astroides, Blainville.
 373 calycularis, Pallas.





