

- Autogastralia, 49.
 Axial canal, 27, 28.
 Azores, *Stylocalyx*, 187, 383.
 Bahia, *Euplectella*, 76, 366.
 Bajalus, 502.
Balanella, n. gen., 514.
Balanites, n. gen., 122, 372.
 „ *pipetta*, n. sp., 122, 372 (Pl. xxiii.).
 Banda Islands, *Aulocystis*, 361; *Crateromorpha*, 166, 378; *Farrea*, 287, 391; *Myliusia*, 404; *Sclerothamnus*, 339; *Stylocalyx*, 221, 384.
 Barbados, *Dactylocalyx*, 403; *Regadrella*, 85.
 Barboza du Bocage, *Hyalonema lusitanicum*, 183, 185, 225.
 Barbulæ, 37, 276.
 Basalia, 40, 48.
 Basal collar-pad, *Hyalonema sieboldii*, 195, 197, 206.
Bathydorus, n. gen., 150, 376.
 „ *baculifer*, n. sp., 154, 376 (Pl. lix.).
 „ *fimbriatus*, n. sp., 20, 151, 376, 491 (Pl. lviii.).
 „ *spinus*, n. sp., 153, 376 (Pl. lix.).
 „ *stellatus*, n. sp., 152, 376 (Pl. lix.).
 Bathymetrical distribution, 453.
 Berlingues, *Euplectella*, 366.
 Bermudas, *Aphrocallistes*, 313; *Aulocalyx*, 174; *Chonelasma*, 397; *Dactylocalyx*, 350, 403; *Euplectella*, 82, 367; *Farrea*, 288; *Lefroyella*, 301, 302, 394; *Rhabdodictyum*, 107.
 Bequia, *Hyalonema*, 207; *Rhabdodictyum*, 370.
 Birotulifera, Carter, 9, 260.
 Blainville, 99.
 Bottom, nature of, 468.
 Bowerbank, 6, 8; *Aphrocallistes*, 306; *Dactylocalyx*, 343; *Euplectella*, 54, 55, 59; *Farrea*, 267, 268, 271, 272; *Hyalonema*, 183, 184, 188; *Iphiteon*, 345; *Rossella*, 136.
 Branching, 22.
 Brandt, 182.
 Brazil, *Euplectella suberea*, 73; *Pheronema*, 241.
 Budding, 25; of *Polylophus*, 133.
 Buenos Ayres, *Holascus*, 86, 368; *Rossella*, 375.
 Calcareæ, phylogeny, 497.
 Callicispongiæ, 9.
Callisphæra (= *Pheronema grayi*), 237.
 Callodictyonidæ, Zittel, 13.
Caminus, 497.
 Canalasia, 45, 49.
 Canary Islands, *Poliopogon*, 254, 389.
 Cape of Good Hope, *Holascus*, 88.
 Cape St. Vincent, *Euplectella*, 73; *Hyalonema*, 183.
 Cape Verde Islands, *Aphrocallistes*, 395; *Lamuginella*, 130; *Sympagella*, 120, 372.
 Cape York, *Hyalonema*, 232.
 Caroline Islands, *Euplectella*, 81.
 Carter, 18; *Alcyoncellum*, 103; *Aphrocallistes*, 308; *Asconema*, 115; *Birotulifera*, 260; Classification, 9; *Crateromorpha*, 115, 160; *Dactylocalyx*, 346; Distribution, 421; *Euplectella*, 58; *Eurete*, 290; *Farrea*, 269, 270, 276; *Habdodictyum*, 103; *Hexactinella*, 328; *Hyalonema cebuense*, 228; *Labaria*, 238; *Meyerina* = *Semperella*, 260; *Pheronema*, 237; *Polylophus*, 133; *Rossella*, 136, 137; *Sympagella*, 119.
Carteria japonica, Gray, 184.
 „ *lusitanica*, Gray, 185.
Caulocalyx, n. gen., 172, 379.
 „ *tener*, n. sp., 172, 379 (Pl. lxix.).
 Caulophacinae, 124, 373.
Caulophacus, n. gen., 124, 373.
 „ *elegans*, n. sp., 126, 373 (Pls. xxv., xxvi.).
 „ *latus*, n. sp., 124, 373 (Pl. xxiv.).
 Celebes, *Aulochone*, 379.
 Central boss, *Hyalonema*, 189.
 Central column, *Hyalonema sieboldii*, 191.
 Central cone, *Hyalonema apertum*, 204, 215.
 Chalinidæ, 497.
 Challenger Hexactinellida, List of, 472.
 Chamber cells, 23.
 „ layer, 20, 47.
 „ pores, 19, 47.
Chonelasma, n. gen., 320, 397.
 „ *calyx*, n. sp., 326, 398 (Pl. lxxxix.).
 „ *dæderleinii*, 324, 398, 498 (Pl. xc.).
 „ *hamatum*, n. sp., 323, 397 (Pl. xci.).
 „ *lamella*, n. sp., 321, 397 (Pls. lxxxvii., lxxxviii.).
 „ sp., 326 (Pl. xc.).
 Christina Islands, *Stylocalyx*, 223, 385.
 Classifications, 8, 9, 10.
 Claus, 7, 9; *Dactylocalyx*, 344; *Euplectella*, 56.
 Clavulæ, 37, 48.
 Clavularia, 266.
 Cæloptychidæ, Zittel, 14.
 Collar, 23.
 Columella, *Hyalonema gracile*, 197.
 Comitalia, 46, 49.