

INDEX.

A.

- Acanthometrina*, 98.
Aga nasuta, 127.
 Ægean Sea, Mollusca and Radiata of, 5.
 Agassiz, Alexander, Echinoderm Fauna on the two sides of the Isthmus of Panama, 13; on *Echinocyamus*, 117, 277.
 Allman, Professor, F.R.S., list of animal forms found at great depths, 27.
Allopora oculina, 169, 170, 432.
Amathia carpenteri, 175.
Amphidetus cordatus, 459.
Amphihelia profunda—*A. oculata*—*A. miocenica*—*A. atlantica*—*A. ornata*, 169.
Amphiura abyssicola, 123.
Anedon celticus, 76; *A. eschrichtii*—*A. sarsii*, 124.
Aphrocallistes bocagei, 95.
Archaster bifrons, 122; *A. vexillifer*, 150; *A. andromeda*, 150; *A. parelii*, 456; *A. tenuispinus*, 456.
Arcturus baffini, 127, 128.
Askonema setubalense, 429.
Asterophyton linkii, 19.
Astrorhiza limicola, 75.
 Atavism, 9.
Atrétia gnomon, 90.

B.

- Bache, Professor A. D., Superintendent U.S. Coast Survey, on the Gulf-stream, 386.
Bathybius haeckelii, 412.
Bathyrinus gracilis, 450, 453.
Bathyptilum carpenteri, 77.
 Berryman, Lieutenant, U.S.N., deep-sea soundings in the U.S. brig 'Dolphin,' 227-229.
 Bocage, Professor Barboza du, Director of the Nat. Hist. Museum, Lisbon, 275; on *Hyalonema*, 425.
 Bowerbank, Dr., F.R.S., on *Hyalonema*, 425.

- Brandt, Dr., on *Hyalonema*, 423.
Brisinga coronata, 67, 118; *B. endecacnemus*, 66, 99, 118; description of, by Absjörnsen, P. Chr., 68.
Brissopsis lyrifera, 118, 457, 459.
 Brooke, J. M., U.S.N., sounding apparatus, 21, 211, 213.
 Browning, Lieutenant, 83.
Buccinopsis striata, 464.
 Buchanan, John Young, M.A., on the Carbonic Acid contained in Sea-water, 518, 521.
 Buff, Professor Henry, on ocean currents, 368; on the Gulf-stream, 389.

C.

- Calver, Captain, skill in conducting dredging operations, 83; serial soundings, 309.
Calveria hystrix, 156, 459; *C. fenestrata*, 159, 182, 459.
Caprella spinosissima, 126.
 Carpenter, Dr. William B., F.R.S., 3; Preliminary Report of the Dredging Operations in the 'Lightning,' 133; Temperature Observations in the Mediterranean, 326; Theory of Ocean Currents, 368, 369; Observations on the currents in the Strait of Gibraltar, 373; on the Gulf-stream, 390.
 Carpenter, W. Lant, B.A., B.Sc., 85; Analysis of Sea-water, 498, 502-511.
Caryophyllia borealis, 27, 431.
Ceratocyathus ornatus, 431.
Cerithium granosum, 463.
 Chalk, 409; analysis of, 469.
 Chimmó, W., Commander R.N., 230; temperatures of the Atlantic, 359.
Choanites, 494.
Chondrocladia virgata, 187.
Cidaris papillata, 76; *C. hystrix*, 116, 193, 459; *C. affinis*, 193, 457, 459.
Cladorhiza abyssicola, 112.
 Cocoliths, 413.
 Cocospheres, 414.
Cœlosphæra tubifex, 485.