

- Pigafetta, M., xv.
 Pillars of Hercules, xvi.
Pilulina, 263.
Placopsilina bulla, 105.
Placostegus benthalianus, 264.
 „ *challengeriæ*, 264.
 „ *ornatus*, 264.
 Plagioclase, 20, 217, 226, 231, 243, 296, 297, 300,
 301, 302, 305, 308, 309, 310, 312, 313, 316,
 317, 318, 319, 320, 322, 325, 343, 349, 383.
 Plancus, J., xx.
 Plankton, 251.
 „ abyssal, 251.
 „ bathybial, 251.
 „ neritic, 251, 281.
 „ oceanic, 251, 281.
 „ pelagic, 251, 257, 259, 266, 280.
 „ zonary, 251.
 Planktonic, 252.
 Plants, 95, 97, 99, 101, 103, 107, 111, 159, 172.
 Plata, Rio de la (see Rio de la Plata).
 Plateau surrounding Tristan da Cunha group, 157.
 Plato, xvi.
Pleurocorallium johnsoni, 342, 465.
 Plombières, 401, 402, 407, 410.
 Plutarch, xiv.
 Plutonic rocks, 314.
 "Plutonic tallies," xxv.
 Poggendorf, J. C., xiv.
 Poléjaeff, N., 264.
Poliopogon amadou, 41, 284, 285, 342.
 „ *gigas*, 166, 284.
 Polybius, xiii, xvi.
 Polyps, xx, 343.
Polystomella, 36, 40, 48, 154.
Polystomidium patens, 181.
Polytrema, 38, 59, 95, 97, 98, 153, 156.
 „ *miniaceum*, 59.
 „ *rubra*, 144.
 Polyzon, 14, 31, 34-146, 161, 193, 194, 215, 216,
 225, 244, 265, 289, 354.
 "Porcupine," the, xxvii, 9, 30, 284.
 Porphyries, 407.
 Porphyritic rocks, 326.
 Porpoise, earbones of, 272.
 Port Jackson, deposits in, 82-83.
 Portugal, 382.
 Posidonius, xiii.
 Possession Bay, xv, 334.
 Post-Tertiary volcanic rocks, 314.
 Potash, determination of, 28.
 Potassium, 418.
 Pouchet, G., 255.
 Pourtales, L. F. de, xxiv, xxvii, 382.
 Precipitations, atmospheric, 334, 335.
 Preface, ix.
 Pre-Tertiary rocks, 314.
 Primary formations, glauconite in, 384.
 Prince Edward Island, deposits off, 161 (see Marion
 Island).
 Protoxide of iron, determination of, 28.
Psammosphæra, 263.
 Psilomelane, 369, 371.
 Pteropoda, 31, 36-146, 215, 216, 223, 224, 225, 240,
 244, 258, 262, 266-267, 289, 365.
 Pteropod Ooze, xxix, 186, 189, 223-228.
 „ analyses of, 226-227, 447-448.
 „ area of, 227-228, 248.
 „ average composition of, 226.
 „ average depth of, 225, 248.
 „ distribution of, 227-228.
 „ fine washings in, 226.
 „ mineral particles in, 226.
 „ rate of deposition of, 411, 412.
 „ siliceous organisms in, 226.
 Ptolemy, xiii.
 Püchler, xiv.
Pullenia, 50, 132, 165, 167, 172, 176, 192, 260.
 „ *obliquiloculata*, 120, 180, 214.
 „ *quinqueloba*, 120, 132.
Pulvinulina, 34-146, 165, 167, 171, 172, 176, 182, 192,
 216, 225, 260, 267, 289.
 „ *canariensis*, 130, 180, 214.
 „ *crassa*, 214.
 „ *favus*, 93, 104, 105, 106.
 „ *menardii*, 53, 59, 61, 63, 65, 67, 73, 96,
 100, 104, 110, 127, 155, 168, 180,
 214.
 „ *miceliniana*, 132, 163, 164, 180, 214.
 „ *tumida*, 120, 122, 155, 180, 214.
 Pumice, 32, 37-145, 194, 196, 217, 218, 226, 238,
 243, 292, 293, 294-298, 299, 308, 310,
 313, 314, 316, 318, 340, 342, 343, 344,
 347, 348, 349, 350, 351, 352, 353, 354,
 355, 357, 359, 361, 364, 367, 369.
 „ alteration of, 296.
 „ analyses of, 296, 297, 453, 454, 455, 457.
 „ andesitic, 296.
 „ „ analysis of, 296.
 „ basaltic or basic, 295, 296-297, 347, 348,
 349, 355.
 „ „ analysis of, 297.