Owen, Prof., on the dog and wolf, 569.
Owen, Mr., on tertiary mammalia, 141, 142
-, on pterodactyles, 135.
, quoted, 178.
teeth of mammoth, 80.
-, on British fossil mammalia and birds, 186 .
Owhyhee, 762.
Oxygen, its action on rocks, 194.
Oysters, \&c., thrown ashore alive by storm, 748.
—, migrations of, 630 .

## P.

Pacific Ocean, depth of, 105.
-, its height above the Atlantic, 282.
-, animals in islands of, 613 .
-, subsidence greater than clevation in, 762.
-, coral and volcanic islands of, 389. 751. 755. 762.
Paleontology, highest organized animals made their appearance last on earth, 135.
Palestine shaken by earthquakes, 340 .
Palissy on organic remains, 25.
Pallas on mountains of Siberia, 47.

- on Caspian Sea, 47.
- on fossil bones of Siberia, 47. 80. 89.
-cited, 320. 518. 6is7.
Palmer, Mr., on shingle beaches, 306. 508.
Palms, rare in carboniferous group, 89.
Pampas, gradual rise, 167.
Panama, tides in Bay of, 282.
Papandayang, eruption of, 475.
-, its cone truncated, 475.
Papyrus rolls in Herculaneum, 376.
Paradise, Burnet on seat of, 33 .
Parana, R., animals drifted down on rafts by, 619.
-, animals drowned in, 673.
Paris basin, formations of the, 191.
—, fossils of the, 140 .
Parish, Sir W., on inroads of sea, during earthquakes, 481. 483.
-, on drifting of animals on floating rafts, 619.
-, on great droughts in S. America, 673.
-, on floods of Parana R., 727.
Parma, tertiary strata near, 76.
Parrot on Caspian Sea, 154.
Parrots near Cape Horn, 98.
Parry, Captain, highest northern latitude reached by, 99.
-, on migration of Polar Bear, 617.
-, on animals of Melville Island, 618.
Patagonia, tides on const of, 279.
Paviland cave, 713.
Peat in delta of Ganges, 268.
-, on its growth and preservation of fossils in it,

688. 695. 699. 

-, distribution of, 696.
-, bogs, bursting of, 701.
-, submarine, 701.
-, not formed in hot climate, 696.
Pembrokeshire, loss of land in, 311.
Penco destroyed by earthquake, 481.
-, elevation near, 488.
Pennant on waste of Yorkshire coast, 291.
-, on migration of animals, 79. 609. 615.
Pentland Firth, currents in the, 81.
Penzance, loss of land near, 310 .
Péron on distribution of species, 624. 627.
Perrey, M. Alexis, on frequency of earthquakes in winter, 540.
Persian Gulf, coral in, 751.
Peru, volcanos in, 333 .
-, earthquakes in, 333. 488.
Peruvian tradition of a great flood, 483.

- , ancient legend of an Inundation, 9 .

Peterhead, whale stranded near, 746.
Phascolotherium Bucklandi, 137.
Philippi, Dr. A., ou fossil tertiary shells of Sicily, 177.

Phillips, Mr. J., on waste of Yorkshire coast, 291.
Phlegrean fields, volcanos of, 35 ..
Physical Geography. See Geography.
Pietra Mala, inflammable gas of, 13.
Pigs, instincts of, 578.

- swim to great distances, 613.
——, fossil, 699.
Pilla, M., on Monte Somma, 366.
Pindar cited, 382.
Pingel, Dr., on subsidence of Greenland, 509.
Pitch lake of Trinidad, 259.
Plants, carboniferous, wide geographical range, 157.
-, varieties in, produced by horticulture, 566.
—, extent of variation in, 567 .
—, their geographical distribution, 98.111 .591.
-, dispersion of, 596.
—, stations of, 592. 646.
-, equilibrium among, kept up by insects, 649.
- , number of terrestrial, 682 .
, imbedding of, in subaqueous deposits, 719. 741. 745.
-, on number which are now becoming fossil, 702.
—, mineralization of, 723 .
_, fossil of the coal strata, 89. 114. 182.
Plastic clay fossils, 140.
Plastic force, fossil shell ascribed to, 22.
Playfair on Huttonian theory, 55. 59.
- on instability of the earth's surface, 201.
- on gradual rise of Sweden, 502.
- on form of the earth, 513 .
- on formation of vegetable soils, 687.
- cited, 581.

Pliny the Elder, 18.

- on delta of Rhone, 258.
- on islands at the mouth of the Texel, 316.
—, killed by eruption of Vesuvius, A. D. 79, 348.
Pliny the Younger, on Vesuvius, 348.
Pliocene strata, fossils of, 141.
Plot on organic remains, 28.
Pluche, theory of, 1782, 35.
Plutonic rocks, how formed, 158.
-, action, changes produced by, 171, 172.
Po, R., 196.
—, frequently shifts its course, 207.
-, embankment of the, 207.
-, delta of the, 208. 974.
-, subsidence in delta of, 260.
Poisson, M., on astronomical causes of changes in climate, 127.
Polyps. See Zoophytes.
Pomerania, fossil ships in, 785.
Pompeii, how destroyed, \$49. 369. 371.
- , section of the mass enveloping, 370.
-, objects preserved in, 374.
-, infusorial beds covering it, 379.
Pont Gibaud, gneiss decomposed by carbonic acid at, 250.
-, calcareous springs near, 240.
Poole Bay cut into by sea, 807 .
Popayan, volcanos and earthquakes in, 335.
Portland, fossil ammonites of, 30 .
—, its peninsula wasting, 307.
Port Royal, subsidence of, 487. 494. 668. 7S9.
Porto Praya, in St. Iago, Azores, calcareous stratum, 420.

Portugal, earthquakes in, 343.
Porzio on formation of Monte Nuovo, 355.
Post-tertiary formations, 179.
Pratt, Mr. S. P., on Siaritz fossils, 165.
Precession of the equinoxes, 101. 516.
Prentice, Lieut., on coral reef in Maldivas, 753.
Pressure, effects of, 170.
Prevost, Const., on fossil mammalia of Stonesfield, 136.
-, on gypseous springs, 248.
-, on rents formed by upheaval, 355.
-, on new island in Mediterranean, 417.
一, on geological causes, 695 .

