

- Observing station, at Gibraltar, 47; at Madeira, 52; at Tahiti, 777; at Valparaiso, 843; list of, 1026.
- Obsidian bladed spears, 717; description of, 718.
- Ocean currents, *see* Currents.
- Ocean, efforts to acquire a knowledge of the, xxxi; movements of the, 25.
- Ocean physics, early history of, xlivi.
- Ocean temperatures, *see* Temperature.
- Ocean water, *see* Sea water.
- Oceanites*, 324, 765; *O. oceanicus*, 436.
- Oceanitidae*, 323, 329; peculiarities of, 323; resemblance of, to Procellariidae, 324.
- Ocnus*, 379.
- Oclacnemus bythius*, 162.
- Octopus*, 543.
- Oculina bermudensis*, 140; *O. coronalis*, 146; *O. diffusa*, 145, 146; *O. pallens*, 145, 146; *O. speciosa*, 146; *O. valenciennesi*, 145, 146; *O. varicosa*, 145, 146.
- Oculinidae, 792.
- Ocuale mirabilis*, 55.
- Ocydora*, 603; *O. ippenus*, 187; *O. rhombica*, 149.
- Odontocyathus coronatus*, 703.
- Odutai, Island, 747; Peak, 747.
- Oecidoma*, 236.
- Orsted, Prof., 382.
- Oestrelata*, 325; *O. lessoni*, 358.
- "O'Higgins," the, 873.
- Okabula, 747.
- Okhotsk, Sea of, 755.
- Oki Sima, 747.
- Olango Island, 847.
- Oldfield Anchorage, 870.
- Oleander, 143.
- Olfersia*, 205.
- Oliver, Prof., 375, 943.
- Olland Island, 864.
- Olmedilla, 874.
- Olynthus, 570, 640.
- Ommastrephes ovalaniensis*, 518.
- Onchidium*, 489.
- Onchopora sinclairii*, 874.
- Onchoporidæ, 674.
- Oneinopus aranea*, 588.
- One Tree Island, 865.
- Oneirophanta mutabilis*, 277, 757, 804.
- Onoval Islet, 477.
- Oniscus*, 269; *O. paradoxus*, 878.
- Onychia caribea*, 136.
- Onychocrinus*, 313.
- Oorhynchus*, 857, 858; *O. aucklandiae*, 860.
- Oosima, 748.
- Oosima Harbour, 746.
- Oot Island, 556.
- Open ocean, morning minimum of pressure in, 1001.
- Ophiacantha*, 172, 178; *O. cosmica*, 883; *O. segesta*, 161; *O. sentosa*, 833; *O. troschelli*, 161; *O. vivipara*, 894; propagation of, 895.
- Ophidiidae*, 520, 906.
- Ophichthus*, 172.
- Ophiochytra epigrus*, 775.
- Ophiocoma didalophis*, 894.
- Ophiogeron*, 173.
- Ophioglossum pendulum*, 704.
- Ophioglypha*, 178; *O. bullata*, 161; *O. hexactis*, 894; *O. radiata*, 628; *O. undulata*, 738.
- Ophiohelus*, 173, 174; distribution of, 175.
- Ophiolepis squamata*, 882.
- Ophiomastus*, 178.
- Ophiomitra carduus*, 182; *O. chalybs*, 161, 173; *O. plicata*, 628.
- Ophiomurium cancellatum*, 161; *O. corticosum*, 788; *O. lymani*, 804; *O. pulchellum*, 178, 182.
- Ophiomyces*, 174.
- Ophiomyxa*, 173.
- Ophiopexa*, 173.
- Ophioplithus*, 172.
- Ophiopyren longispinus*, 161.
- Ophiothalia*, 173, 174; *O. supplicans*, 804.
- Ophiothrix*, 173.
- Ophiotrichus*, 172.
- Ophiura*, 173.
- Ophirid, parasitic on *Actinometra*, 541.
- Ophiuroidea, account of the, 172.
- Ophthalmiss lincea*, 581.
- Opuntia*, 760.
- Orange season at Tahiti, end of, 784.
- Oranges at Tahiti, 788.
- Orbicula*, 893.
- Orbiculina*, 186.
- Orbitolites*, 485, 487, 835.
- Orbulina*, 218, 467, 511, 851, 911, 919; *O. universa*, 485, 486, 803, 888, 912; yellow cells in, 889.
- Oroa*, 487.
- Orchids*, 459, 460, 534.
- Oreaster*, 188, 542.
- Organpipe Coral, 664.
- "Oriental," the, 368.
- Ornaments, at Admiralty Islands, 709, 710, 711, 722, 727; at Api, 518; at Arrou Islands, 547; at Cape York, 541; at Humboldt Bay, 688.
- Ornithoptera poseidon*, 548.
- Oroc, Mount, 632.
- Orofena, Mount, 786.
- Orotava, 53.
- Orthidae*, 893.
- Orthis*, 893; *O. concinna*, 894; *O. sulivani*, 893, 894; *O. tenuis*, 893.
- Orthoptera, 580.
- Orthotices*, 894.
- Oscillatoriæ, 196, 545; 606, 654, 738, 930.
- Osmaza*, 186.
- Osmunda*, 143; *O. cinnamomea*, 143; *O. regalis*, 143.
- Osnaburgh Point, 532.
- Osorio, Spanish royalist, 825.
- Ossifraga*, 325; *O. gigantea*, 294, 436.
- Ostracoda, account of the, 846; British, 847; pelagic, 847.
- Otosaurus microlepis*, 485.
- Ovalau Island, 492, 502, 508.
- Ovulum ovum*, 709, 710, 715, 722.
- Owen, Prof., 368.
- Owl, 585, 786.
- Oxycephalus*, 171.
- Oxygen, in bottom waters, 995; in intermediate waters, 996.
- Oxyplectrodon stimpsoni*, 588, 589.
- Oxyrhina*, teeth of, 757, 775, 805.
- Oxyrhyncha*, 585.
- Oxystomata, 585.
- Oxyuris*, 129.
- Oysters, 460.
- Pachychalina*, 572.
- Pachygrapsus*, 587; *P. maurus*, 587; *P. transversus*, 587.
- Pacific Islanders, crania of, 730.
- Pacific Ocean, 428, 449, 450; bed of, 771; density of water in, 901; salinity of, 901; saltiest water in, 965; winds across the, 758.
- Pack ice, 430; colour of, 405; description of, 406; nature of ice composing, 406.
- Paddy, 369.
- Page, Mr., 497.
- Pagodroma*, 325; *P. nivea*, 486.
- Paguridea*, 898, 899.
- Pagurus*, 187; *P. striatus*, 900.
- Palaeichthys cossonoides*, 269; *P. glaberratus*, 269.
- Palaeodyptes*, 364.
- Palaeon*, 187, 190, 651; *P. fucorum*, 136; *P. pelagicus*, 136.
- Palaeocrinoids, 311, 313.
- Palaeozoic Crinoids, 313.
- Palinurus*, 879; *P. frontalis*, 830.
- Pallenopsis*, 857, 858; *P. mollissima*, 859; *P. patagonica*, 858.
- Palm, 459; fruits brought up in trawl, 607, 628; of Juan Fernandez, 828; Sugo, 547, 555, 507; Saguir, 598.
- Palma Island, 181; deposit west of, 182.
- Palmas Island, 668.
- Palmetto, 943.
- Palinipedes, 366.
- Painilacan Island, 652.
- Pamphila moseleyi*, 555; *P. puerula*, 128.
- Pan Azucar, 902.