

- Rhizocarps, 495§, 496\*, 584, 611, 718  
 Rhizoerinus, 59  
 Rhizodus, 417, 692  
 Rhizopods, 56, 72, 140, 432\*§, 817;  
   Archæan, 454, 455  
 Rhodianan, 859, 865  
 Rhode Island, mean height of, 23;  
   coal-beds of, 634  
 Rhodocrinus, 597  
 Rhone, slope of river, 173; dis-  
   charge of detritus by, 190  
 — valley glaciers, 235\*, 238, 242  
 Rhotomagian, 859, 866  
 Rhus, 921  
 Rhynchocephala, 54, 687, 706, 795,  
   856  
 Rhynchodus secans, 589\*  
 Rhyncholites, 424§  
 Rhynchonella, 425§, 426\*, 516, 517,  
   520, 550, 552, 562, 568, 579, 642,  
   700, 719, 756, 757; acutirostris,  
   503; affinis, 568; altalis, 503; bi-  
   dentata, 569; capax, 507\*, 514;  
   castanea, 592; compressa, 865;  
   concinna, 790, 791; contracta,  
   613\*, 621; corallina, 790; cuboides,  
   593, 601, 622, 625, 627, 628; Cuv-  
   leri, 866; decorata, 790; dubia,  
   503; duplicata, 592; eximia, 620;  
   inconstans, 779; Laura, 592; Mar-  
   tini, 866; navicula, 567; neglecta,  
   551, 567; nobilis, 562; nucula,  
   567; oblata, 579; obsoleta, 790;  
   orientalis, 593; Petrocorriensis,  
   866; pigmæa, 790; plena, 502\*;  
   pleurodon, 628; plicatilis, 866;  
   psittacea, 426\*, 984; pugnus, 620,  
   628; semiplicata, 562; sinuata,  
   592; socialis, 790; speciosa, 579;  
   spinosa, 790; Stricklandi, 567, 569,  
   573; subangulata, 790; tripar-  
   tita, 520; variabilis, 791; varians,  
   790; ventricosa, 566\*, 562; Wil-  
   soni, 562, 567, 569, 578  
 Rhynchonellids, 922  
 Rhynchophora, number of Floris-  
   sant, 900  
 Rhynchosaurus, 773  
 Rhynchotretra cuneata, 548\*, 551,  
   569  
 Rhyolyte, 84§, 87, 272, 273, 276  
 Rhytina Stelleri, 1015  
 Richmond (Va.) basin, 358, 742, 756;  
   coal areas, 743, 755; infusorial  
   earth, 894\*, 895; Triassic area,  
   740, 741, 743, 799  
 Ridges, 28\*  
 Riffelhorn, 248  
 Rill-marks, 95\*§, 538  
 Rimella, 916; laqueata, 916; Tex-  
   ana, 916  
 Ringgold and Rogers Exploring Ex-  
   pedition, 927  
 Ringicula buplicata, 916  
 Río de la Plata. See La Plata  
 Río Grande, 817, 819, 855, 885  
 Ripley epoch or group, 815, 821,  
   840, 854, 873  
 Ripple-marks, 13, 89, 94§, 95\*, 161,  
   223; Cambrian, 464, 484  
 Risson Chastelii, 926  
 River systems, 28, 29, 30  
 — valleys, excavation of, 178;  
   buried, 204, 934  
 — waters, analyses of, 121  
 Rivers: lengths and drainage areas,  
   30, 172, 173; special points in  
   fluvial history, 203-204; trans-  
   portation and deposition by, 189-  
   202; distribution of transported  
   material, 191; velocity of, 175;  
   working-power of, 173-177  
 Roan Mts., 901, 946  
 Robinia, 921  
 Roche-Moutonnée Creek, 250\*  
 Roches moutonnées, 250\*§  
 Rock-cities, 604, 647  
 Rock-flour, 81§, 248, 251, 941  
 Rock-making, 140§  
 Rock salt, 820, 552, 553, 554, 769  
 Rockford shale, 606  
 Rocks: constituents, 61; kinds of,  
   75; organic constituents, 71-75,  
   140-141, 458; structure, 90§; ex-  
   pansion, 259  
 —, volcanic. See Volcanic  
 Rockwood beds, 577  
 Rocky Mountain Chain, 889, 748;  
   protaxis, 24, 444, 461, 464, 488,  
   490, 746; silver and lead mines,  
   876  
 Rocky Mountain region, Archæan  
   in, 444; Cambrian, 464; Lower  
   Silurian, 494, 495; Upper Silu-  
   rian, 541; Devonian, 575, 581;  
   Glacial, 944; Subcarboniferous,  
   639; Carboniferous, 634, 635,  
   658; Triassic and Jurassic, 808-  
   812; Cretaceous, 814, 815, 818,  
   827, 829, 838, 868, 880; Tertiary,  
   882, 887; elevation during, 933,  
   935  
 Rocky Mts., 24, 31\*, 51; glaciers  
   of, 240; changes of level in, 347;  
   making of Laramide Mts., 874;  
   volcanoes of, 296, 937  
 Romingeria, 579; cornuta, 584\*,  
   590  
 Roofing-slate, 80§, 92, 112, 113\*, 370,  
   371  
 Roots, acidity of, and the corroding  
   effects, 136; destruction by, 157\*  
 Rosa, Monte, glacier region of, 226,  
   237, 248  
 Rosendale cement, 555  
 Rossberg landslide, in 1806, 208  
 Rosso antico, 86§  
 Rostellaria, 922; nobilis, 854  
 Rota Island, elevation of, 350  
 Rotalia Boucana, 432\*; globulosa,  
   432\*  
 Rothlegende, 697, 706  
 Rotifers, 423, 455, 720, 721  
 Rotomahana Lake, 305  
 Rotten limestone group, 815, 823,  
   824, 848, 854  
 Rubidium, 335, 449  
 Ruby, 64§  
 Rudistes, 840, 841\*, 854, 861\*  
 Rupelian beds, 926  
 Rurutu Islands, 37; elevation of,  
   850  
 Rusophycus bilobatus, 545\*, 546  
 Russia, 34, 167; upturnings in, 630,  
   734  
 —, Cambrian in, 482, 484, 518;  
   Lower Silurian, 518, 521, 533;  
   Upper Silurian, 533, 563, 566,  
   567, 568, 569, 573; Devonian,  
   627; Subcarboniferous, 693, 696,  
   704; Carboniferous, 690, 693, 697,  
   710; Permian, 686, 697, 707; Tri-  
   assic, 705; Jurassic, 760, 775,  
   776, 790, 794; Cretaceous, 857;  
   Tertiary, 923  
 Rutoceras, 591, 602  
 Ruwenzori, Mt., 33, 296 (height)  
 Sabal, 837, 921; major, 933  
 Sabine River, 889, 890  
 Sable Island, 444, 944  
 Saccammina Carteri, 700  
 Saccosoma pectinata, 778\*, 779  
 Sacramento River, 30, 809; valley,  
   749, 811, 818, 820, 830, 895  
 Saganaga Lake, 448  
 Sageceras, 756; Haidingeri, 757\*  
 Sagenaria acuminata, 646  
 Sagenopteris, 698, 704  
 Saghalien, 40  
 Saguenay River, 948  
 Sahara, desert of, 51; plateau of,  
   26, 34  
 St. Cassian beds, 769, 774  
 St. Elias, Mt., 25, 238, 239\*, 240  
   (glaciers), 251, 390  
 St. George's Shoal, 881, 889  
 St. Gothard tunnel, fossils, 310  
 St. Helena, volcano of, 290, 297  
 St. Helens Island, 531, 558  
 St. Helens, Mt., 296, 945  
 St. John, N.B., elevation, 350  
 St. Lawrence Bay, 461, 541, 544  
 — channel, 536, 571  
 — Gulf, 444, 533, 537; coal making  
   in, 708  
 — River, 40, 171, 536; depth of,  
   948  
 — valley in the Champlain period,  
   982  
 St. Louis limestone, 634, 687, 698,  
   646, 647  
 St. Mary River series, 830  
 St. Paul's Island, 867  
 St. Peter, Lake, 542  
 St. Peter's Island, 867  
 — sandstone, 136, 491, 493, 494, 732  
 St. Vincent Island, 163  
 Salamander, 415, 920  
 Salenia, 840, 860  
 Salina beds, 552  
 Saline deposits, 119; efflorescences,  
   138, 160; springs, 200, 553  
 Salinity of the ocean, 121, 214  
 Salisburia, 53, 435; nana, 833;  
   Sibirica, 833\*  
 Salix, 854, 922; angusta, 839;  
   Meekii, 837, 838\*  
 Salmon, 812, 879; family, 862  
 Salt, 63§ (see also Rock salt); lakes,  
   119, 881; making, 120; pans, 120,  
   133, 134, 554, 791; water, subter-  
   anean, 320  
 Salt Lake City, 360\*, 361  
 Salt Range, India, 488, 698, 770, 776