

- fusion point of bodies, 524; surface
 action of, 578; forms of, 578; cir-
 culation of, 579; underground, 605;
 soft and hard, 611; influence of,
 indolomitization, 546; expands in
 freezing, 699
 Waterfalls, origin of, 658, 661
 Watersheds, 1781
 Water-gas, 331, 356, 368, 373, 385,
 450
 Water-ice, 259
 Water-level, changes of, 577, 682, 734
 Water-Lime group, 1288
 Water-stones, 1434
 Waves, generation of, 577; 734; height
 and force of, 734, 744; depth of in-
 fluence of, 736, 756, 764
 Wealden, 1544, 1547, 1568
 Weathering, indicated by effervescence
 with acid, 588, 619; description of,
 588; variations in rate and charac-
 ter of, 589; zone of, 792; of fossils,
 1114, 1115; frequency of, 148, 987;
 depth of layer of, 148; gives a clew
 to composition of rocks, 149; exam-
 ples of, 127, 129, 130, 133, 134,
 135, 137, 140, 141, 142, 144, 145,
 158, 195, 217, 235, 277, 278, 301,
 394, 584, 585, 619, 885; imitation
 of effects of, 1117
 Welding of rocks by pressure, 531
 Wellenkalk, 1440
 Wells, 608; Artesian, 609
 Wemmelian, 1603, 1608
 Wengen beds, 1446, 1448
 Wenlock group, 1245, 1255, 1258
 — Shale, 1255
 — Limestone, 1255
 Werfen beds, 1446
 Wesenberg zone, 1276
 West Indies, upheaval among, 483
 "Wet way" analysis, 161
 Wetterstein Limestone, 1446
 Weybourn Crag, 1653, 1660
 Whet-slate, 238, 1027
 Whin-sill, 955
 White, as a color of rocks, 189
 White Lias, 1433, 1437
 White River group (Miocene), 1645,
 1675
 "White-rock," or "White-trap," 997
 Whitfieldia, 1262
 Wianamatta beds, 1454
 Wichita beds (Texas), 1417
 Widdringtonia, 1625
 Widdringtonites, 1627
 Wieda-shales, 1306
 Williamsonia, 1458
 Willow, fossil, 1523, 1569, 1589, 1617,
 1649
 Wind, velocity and pressure of, 557;
 effects of, 561; transport of dust
 by, 564, 568; diffusion of plants
 and animals by, 575; influence of,
 on water-level, 577, 682
 Wolf, fossil, 1662, 1740
 Wood, composition of, 252; conver-
 sion of, into lignite, 548
 Wood-opal, 128
 Woolhope limestone and shale, 1255,
 1258, 1259
 Woolwich and Reading beds, 1595,
 1597
 Worms, geological action of, 598, 601,
 794
- X**
- XANTHOPSIS, 1599
 Xenodiscus (ammonoid type), 1414
 Xenophora, 1656
 Xiphodon, 1618
 Xylobius (milliped), 1357
- Y**
- YAKUTSK, frozen soil at, 93
 Yangtse, sediment in the, 650; rise of
 bed of, 667
 Yellow, as a color of rocks, 190