

- Koch, Dr., on *Zeuglodon*, 204.
 " " " prehistoric man, 356.
 Koninck on *Pentacrinus*, 321.
 Kuttenberger mine, 440.
- Laboratory of Nature, 282.
Labyrinthodonts, 168, 171, 172, 173, 317.
 " a synthetic type, 318.
- Lacustrine origin of prairie soils, 268.
 " sediments without germs, 270.
- La Denise Mountain, 356.
Lælaps aquilunguis, 191, 192.
- Lagoon, Continental, 94, 105.
- Lake Superior, geology of, 78, 82, 84, 339.
 " outlines of, 84.
 " in Mesozoic times, 196.
 " glacier action near, 215.
 " why not salt, 295.
 " basins excavated, 220.
 " where located, 225.
 " habitations, piles in, 257.
- Lakes, the great, geology of, 124.
 " from freshening of seas, 204, 232.
 " related to ancient shores, 224.
 " of Central New York, 225.
 " influence of, on climate, 225.
 " small, how formed, 236, 237.
 " filled up, 237.
 " former high water of, 241.
- Lamellibranchs, 316.
- Lancashire, fens of, 253.
- Land, first emergence of, 72.
- Landscape, ideal, of Devonian Age, 130.
 " " Carboniferous times, 150, 158.
- Landscape, ideal, of Reptilian Age, 177, 181.
- Lapham, J. A., on climate, 226.
- Laplace, nebular hypothesis of, 41.
 " on mean day, 403, 418.
- Lapps, 363.
- Laramie limestone, 136.
- Lartet on human remains, 355, 357, 366.
- Lasalle, Illinois, mines at, 439.
- Last term of organic existence, 373.
 " man, 413.
- Laurentian system, 63, 338.
 " estuary, 235.
- Laws of Nature, 395, 420.
- Leaves of plants, arrangement of, 328.
- Lectonia* of the New World, 200.
 " ancient, 369.
- Leidy, Dr., on reptiles, 178, 190.
 " " mammals, 210.
- Lemont, Illinois, old river bed at, 269.
- Lepidodendron*, 157.
 " a synthetic type, 318.
- Lepidosteus*, 166, 320.
 " *Huronensis*, 120.
 " *oculatus*, 120.
- Lescarbault and intramercurial planet, 44, 330.
- Lesquereux, L., on fossil vegetation, 254.
- Level of lakes formerly higher, 241.
- Leveling of the mountains, 397.
- Liège, human remains at, 355.
- Life, a ray of, 65.
 " power of, to resist extremes, 66.
- Life, even in Laurentian, 68.
 " front of the procession of, 73, 315.
 " various conditions of, 98.
 " programme of, 102, 315.
- Lifetime of a universe—what is it? 430.
- Light, movements of, 421.
- Lightnings in the primeval storm, 54.
- Ligurian tribes, 363.
- Lilies, Stone, 105.
- Limestones of chemical origin, 58.
 " recurrences of, 133.
- Limestone masses of N. America, 134, 224.
 " trends of, 135.
- Lindley on vitality of seeds, 260.
- Lindsay on vitality of bulbs, 261.
- Lingula*, modern, 79.
Lingula prima and *antiqua*, 79, 316.
- Lithodomus*, a stone-borer, 19.
- Lithological recurrences, 132.
- Lockport, geology of, 125.
- Logan, Sir W. E., on ancient limestones, 58.
- Logan, Sir W. E., on Laurentian and Huronian, 63.
- Logan, Sir W. E., on Carboniferous reptiles, 169.
- London Bridge, piles of, 256.
- London, Ontario, oil wells at, 278.
- Lookout Mountain, 342.
- Louisburg, change of level at, 22.
- Lover's Leap, Mackinac Island, 248.
- Lower Helderberg Group, 125.
- Luminosity the first manifestation, 38.
- Luxuriance of coal vegetation, 153, 156.
- Lyell, Sir Charles, 158.
 " " on Carboniferous reptiles, 169.
- Lyell, Sir Charles, on footprints, 182.
 " " cretaceous pebbles, 223.
- Lyell, Sir Charles, on buried timber, 259.
 " " secular catastrophes, 390.
- Lyell, Sir Charles, on Eozoön, 435.
- Machinery of the heavens running down, 417.
- Mackinac Island, 126, 165, 247, 248.
- Macroural crustaceans, 326.
- Madison, Indiana, geology of, 340.
- Mädler on firmamental movements, 392, 426.
- Madrepores, 327.
- Mammals, advent of, 188.
 " reign of, 199.
 " cemeteries of, 204, 205.
- Mammalian idea dominant, 318.
- Mammoth, 239.
 " preserved in ice, 263.
 " with primeval man, 354, 357.
 " restored, 359.
 " delineated by primeval artists, 366.
- Mammoth vein of coal, 156.
- Man, advent of, 239.
 " primeval, 350.
 " and mastodon contemporary, 240.
 " rises above the wreck of matter, 431.