# I N D E X. 

A. S64. 531.
Abo, 501, 502.
Acosta cited, 481. 483.
Adams, Mr., on fossil elephant, 82.
Adanson on age of the baobab tree, 405.
Addison on Burnet's theory, 34 .
Adige, embankment of the, 207.
—, delta of the, 208.
Adour, R., new passage formed by, 305 .
Adria, formerly a seaport, 209.
Adriatic, deposits in, 38. 40. 73. 208. 749.
-, gain of land in, 208.
—, its form and depth, o09.
-, sand-bars along western coast of, 208.
Egean Sea, Prof. E. Forbes dredging in, 697.
Africa, fossil shells of, mentioned by ancients, 17.
-, number and bulk of indigenous quadrupeds of, S4.
$\longrightarrow$ heat radiated by, 95 .
-, currents on coast of, 279. 323. 328.
-, drift sands of deserts, 702.
_ , shaken by earthquake, 477.
-, devastations of locusts in, 651 .
-, strata forming off coast of, 749.
-, desert of, its area, 668.
Agassiz, M., on abrupt transition from one fossil fauna to another, 178.
-, on motion, \&c., of glaciers, 095 . 208.
Agricola on fossil remains, 23.
Airthrey, fossil whale found at, 746.
Airy, Professor, 105.
Alabama, coal plants, 90.
Alaska, volcanos in, 837.
Aldborough, incursions of sea at, 298.
Alderney, Race of, 981 .
Aleutian Isles, eruptions, \&c. in, 336. 449.
Algæ, depth at which some species live, 595.
-, known provinces of, 595.
Allan, Dr., experiments on growing coral in Madagascar, 753.
Alloa, whale cast ashore at, $7 \mathbf{7 6}$.
Alluvium, imbedding of organic remains in, 706.
-, marine, 707.
-, volcanic, 370.
-, stalagmite, alternating with, in French caves, 713.

Alps, Saussure on the, 47 .
-, tertiary rocks of the, 119.
-, greatly raised during tertiary epoch, 124. , signs of lateral pressure in the, 167.
Altered rocks, 171.
Amazon, R., land formed by its deposits, 388.
-, animals floated down on drift wood by, 618.
America, its coast undermined, 318.
-, recent strata in lakes of, 256. 744.
-, specific distinctuess of animals of, 500.607. domesticated animals have run wild in, 563. 662.

America, N., continuous beds of coal in, 115. , N., deposit resembling "New Red" of England, 156.
-, N. and S., mammiferous fauna of, 611.
Ammonia in lavas, 531.
Amonoosuck, flood in valley of, 198.
Ampère, M., on electric currents in the earth, 503.
Amphitherium, in oolite of Stonesfield, 186.
Andes, changes of level in, 788 .
-, height of perpetual snow on, 110 .
-, volcanos of, 332 .
-, sudden upheaval of, 166.
-, signs of lateral pressure in, 167.
Andesite, rock described, 333.
Animals, extinction of, 678.
-, on quantity of food required by large herbivorous, 84.
-, Lamarck's theory of the production of new organs in, 546.
, imported into America have run wild, 563.669 -, aptitude of some kinds to domestication, 571. 576.
-, hereditary instincts of, 571 .
-, domestic qualities of, 570.573.
-, their acquired habits rarely transmissible, 573. 578.
, changes in the brain of the fotus in vertebrate, 587.
-, plants diffused by, 601.
-_, their geographical distribution, 79, 80.
-, migrations of, 615.
-, causes which determine the stations of, 646.653.

- , influence of man on their distribution, 659.
-, fossil, in peat, caves, \&c., 699. 701. 706. 708.

725. 728. 

Anio, R., flood of the, $\mathbf{Q} 00$.
-, travertin formed by, 247.
Anning, Miss M., on waste of cliffs, 308.
Anoplotherium, fossil of Isle of Wight, 140.
Antarctic circle, area still unexplored, 100.
Apennines, their relative age, 118. 124.
Aphides, account of a shower of, 633.
Aqueous causes, supposed former intensity of, 150.

- their action deseribed, 191, 192.

Aqueous lavas, description of, 358. 369. 704.
Arabian Gulf filling with coral, 751.
A rabian writers, 16. 19.
Arago, M., on influence of forests on climate, 69․ -, on solar radiation, 127.
-, on level of Mediterranean and Red Sea, 282.
__, on formation of ground ice, 204.
A raucanian tradition of a flood, 481.
Araucaria, tribe of firs, 132.
Arbroath, houses, \&c. swept away by sea, at, os9.
Archiac, M., 260.
Arctic fauna extended farther south than now, 105. ' Arduino, memoirs of, 43.

- , on submarine volcanos, 43. 73.

Areas of elevation and subsidence proved by coral islands, 767.

