

*Voltzia* seems a progenitor of the cypress. No *Lepidodendron* or *Sigillaria* raises its green crown in all the wooded landscape. The reeking marsh has disappeared, and an undulating upland occupies the continent. We glance over the place of the great flat which had stretched from New England to Alabama, and dark-wooded ranges of mountains frown down on us. We search for the old shore-line which had set the bounds to the empire of the sea, and it is removed. Far southward it lies, within two hundred miles of the Gulf-border of the human epoch—so much more of the ocean's domain has been wrested from his possession.

We range over this new bright landscape. All the old Palæozoic forms of animal life are displaced. Strange tenants have moved in. Instead of the feeble, lizard-shaped Amphibians which housed themselves in a hollow stump, we find great quadruped-like Labyrin'thodonts crawling like enormous toads under shelter of a fringe of forest. Their ponderous bulk impresses deep foot-prints in the sand along the beach—four-toed and hand-like—destined to remain and become a wonder of the human age. (See also Talk XXX.)

But the Amphibians have yielded empire to another dynasty. Great was *Archegosaurus*, but *Deinosaur* was greater. An extraordinary and amazing figure reveals itself stalking along over the beach. Evidently this monster, tall, scale-covered, erect, with diminutive head, swollen abdomen, and massive, trailing tail, is a representative of the ruling family. He reveals massiveness without elegance; strength, without grace. He marches on two feet and leaves a foot-print three-toed like that of a bird. His jaws are armed with strong, sharp-edged, and pointed teeth. His long bones are hollow like those of birds; the pelvis, as well as the foot, is bird-like; the sacrum has four vertebræ like that of a mammal; the neck-vertebræ are concavo-convex as in mammals, and his lower jaw has lateral motion for triturating food, as in the ox. Shape like a frog; head, tail, and scales like a lizard; feet like a bird; sacrum like a mammal—what shall we call the creature?