

After this most important discovery, Mr. Miller extended his inquiries easterly for several miles along the bare and unwooded Lake of Stennis, about fourteen miles in circumference, and divided into an upper and lower sheet of water by two long promontories jutting out from each side and nearly meeting in the middle. The sea enters this lake through the openings of a long rustic bridge, and hence the lower division of the lake "is salt in its nether reaches, and brackish in its upper ones; while the higher division is merely brackish in its nether reaches, and fresh enough in its upper ones to be potable." The fauna and flora of the lake are therefore of a mixed character, the marine and fresh water animals having each their own reaches, though each kind makes certain encroachments on the province of the other.

In the marine and lacustrine floras of the lake, Mr. Miller observed changes still more palpable. At the entrance of the sea, the *Fucus nodosus* and *Fucus vesiculosus* flourish in their proper form and magnitude. A little farther on in the lake, the *F. nodosus* disappears, and the *F. vesiculosus*, though continuing to exist for mile after mile, grows dwarfish and stunted, and finally disappears, giving place to rushes and other aquatic grasses, till the lacustrine has entirely displaced the marine flora. From these two important facts, the existence of the fragment of *Asterolepis* in the lower flagstones of the Orkneys, and of the "curiously mixed semi-marine semi-lacustrine vegetation in the Loch of Stennis," which our author regards as bearing directly on the development hypothesis, he takes occasion to submit that hypothesis to a severe examination, and to point out its consequences — its incompatibility with the great truths of morality and revealed religion. According to Professor Oken, one of the ablest supporters of the development theory, "There are two kinds of generation in the world, the creation proper, and the propagation that is sequent thereon, or the *original and secondary generation*. Consequently, no organism has been created of larger size than an infusorial point. No organism is, or ever has been created, which is not microscopic. Whatever is large has not been created, but developed. Man has not been created, but developed." Hence it follows that during the great geological period, when race after race was destroyed, and new forms of life called into being, "nature had been pregnant with the human race," and that immortal and intellectual Man is but the development of the Brute — itself the development of some monad or mollusc, which has been smitten into life by the action of electricity upon a portion of gelatinous matter.