

highest gifts bestowed upon man. Effects of cross-fertilization, in which the vegetable kingdom, the contrivances by which orchids are fertilized by insects—"Insectivorous plants"—"power of movements in plants," "Descent of man," and numerous monographs.

When confronted with the admitted fact that nature at present offers an insuperable bar to the mixing of species, so as to produce a fruitful offspring, he offered the following suggestion which has stuck in the *idéas* of his disciples, as if it were undoubtedly true: "That one existing animal has not been derived from any other existing animal, but that both are the descendants of a common ancestor which was at once different from either, but in essential characters intermediate between them both." He admitted that he could produce no such intermediate form, and also that the known facts of Geology were against the theory. These are his candid words: "Geology assuredly does not reveal any such finely graduated organic chain; and this is the most obvious and serious objection that can be urged against the theory. The explanation lies, as I believe, in the extreme imperfection of the geological record."

Darwin attempted to formulate a philosophy of life along certain lines, but it would not be correct to call him in early life an atheist.

"Agnostic" was the term invented by Huxley to represent the attitude of mind of the group of naturalists who accepted the theories I have outlined. Nor was their air of humility merely affected.

Speaking of the protoplasm, which is the primordial form of all life, Huxley defined it as "matter potentially alive and having within itself the tendency to assume a definite form"; and added, "what is the cause of this wonderful difference between the dead particle and the living particle of matter, appearing in other respects