The two lines of speculation, originated by Leibniz and Kant as to the genesis of things on this earth and in the universe, mark two distinct ways of approaching the genetic problem. They were both isolated, and it was not till well on in the course of our century that they were again taken up and independently developedthe one by geologists, the other by physical astronomers. They remained for a long time without mutual influence; till, within the last generation, they were brought together, their different results deduced, and a reconciliation attempted. To this I shall revert later on. Forty years after Kant, Laplace put forward his so-called nebular hypothesis at the end of the popular exposition which he gave of his mechanical theory of the heavens. He apparently knew nothing of Kant's attempt, and his views differ materially from those of Kant, in so much as he assumes in the rotating nebular mass an attracting nucleus from which, in the course of condensation through attraction, the planetary rings and bodies were thrown off as the centrifugal velocity balanced the attracting For a long time this sketch of a possible genesis of the planetary system was paraded in popular

Laplace.

Lord Kelvin, who were fully prepared to do him justice. Lord Kelvin, in his Rede Lecture of 1866, refers to Kant as the first to publish "any definite estimate of the possible amount of the diminution of rotatory velocity experienced by the earth through tidal friction" ('Pop. Lects. and Addr.,' vol. ii. p. 65), and in the

work. The merits of Kant have only ! controversy which took place bebeen tardily recognised; they were | tween him and Huxley on "Geounknown to Laplace, and only im- | logical time" the theories of Kant perfectly known to more recent | were frequently referred to. See authorities, such as Helmholtz and | his lecture on "Geological Time," 1868 (loc. cit., p. 10, &c.); Huxley on "Geological Reform," 1869 (reprinted in Lay Sermons, No. XI.) The best account in the English language of Kant's contributions to cosmogony will be found in an article by G. F. Becker in the 5th vol., 4th series, of the 'American Journal of Science,' 1898.