On the Large Advantage of Bi-parental over Uni-parental Generation

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On a cerenin large ledvantage of Bi-parentae many precessary units, any one of which may be absent from a line francital gera, but is less likely to be absent from both of the two germs that forme zygote. They give in safely will now be shown to be enormous to There are 2 stages to be considered, - the I. Let M be one of these whits & let is be absent on the average in one of every By Germs, the chance of its absence well Therefore her by T. Let a zygote be refresent by a couplet of letters, delthouse on be used to signify the presence of M Wille years and je its absence a with if the first bella in the couplet refers to the male germ, and the second to the Jemale germ, then the four varieties of zygote take the form

so familiar to Mendelians of m m, mp, µm, µp, which will occur with equal frequency. In other words, the absence of M from a particular germ is three times as frequents as from a zygote, whatever the value of & may be. II. We may be sure that limits of many different kinds are necessary to The formation of the future animal. I do not venture to quets their humbe but call it in. Then the chance of ale the them being present in the zygote would be 3th times of great as in a single germ. This welce becomes enormous even when n is only moderate Loen if is were diff 10, at would exceed fifty nine thousand.