

PART II

HEREDITY IN ITS RELATION TO MONOGONIC REPRODUCTION

INTRODUCTORY REMARKS

IN the following part those phenomena of heredity will be considered which do not result directly from the composition of the germ-plasm as already described, but which would also occur if there were no such thing as sexual reproduction. In considering the phenomena of the *regeneration* of lost parts, of multiplication by *fission* and *gemmation*, of the *production of unicellular germs*, and of the *continuity of the germ-plasm*, it will materially facilitate the attainment of clear results if the investigation is conducted throughout as though these phenomena occurred in organisms in which the process of multiplication is, and always has been, entirely an asexual one. The complications resulting from sexual reproduction can be considered afterwards, and it will then be easy to connect them with all these phenomena of heredity.