

as the aggregate of centrosome, sphere and fibrils is termed, are now to be found in the cytoplasm (Fig. 2, A). Gradually the two asters separate from one another and eventually come to rest at opposite sides of the nucleus (Fig. 2, C). In this structure important changes have been taking

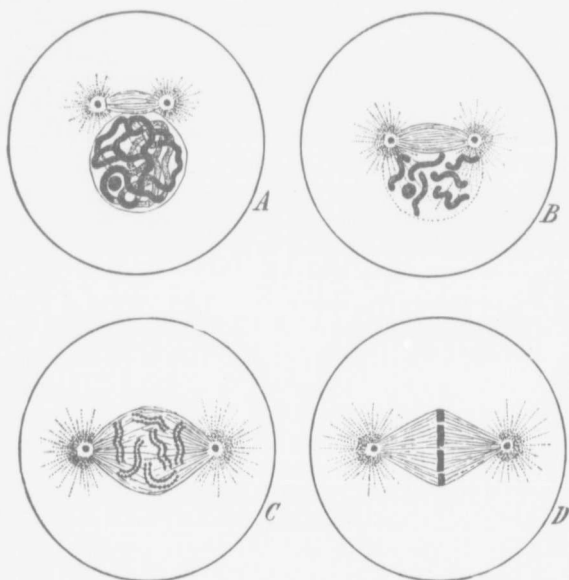


FIG. 2.—DIAGRAMS ILLUSTRATING THE PROPHASES OF MITOSIS.—  
(Adapted from E. B. Wilson.)

place in the mean time. The chromatin, originally scattered irregularly along the reticulum, has gradually aggregated to form a continuous thread (Fig. 2, A), and later this thread breaks up into a definite number of pieces termed *chromosomes* (Fig. 2, B), the number of these being practically