

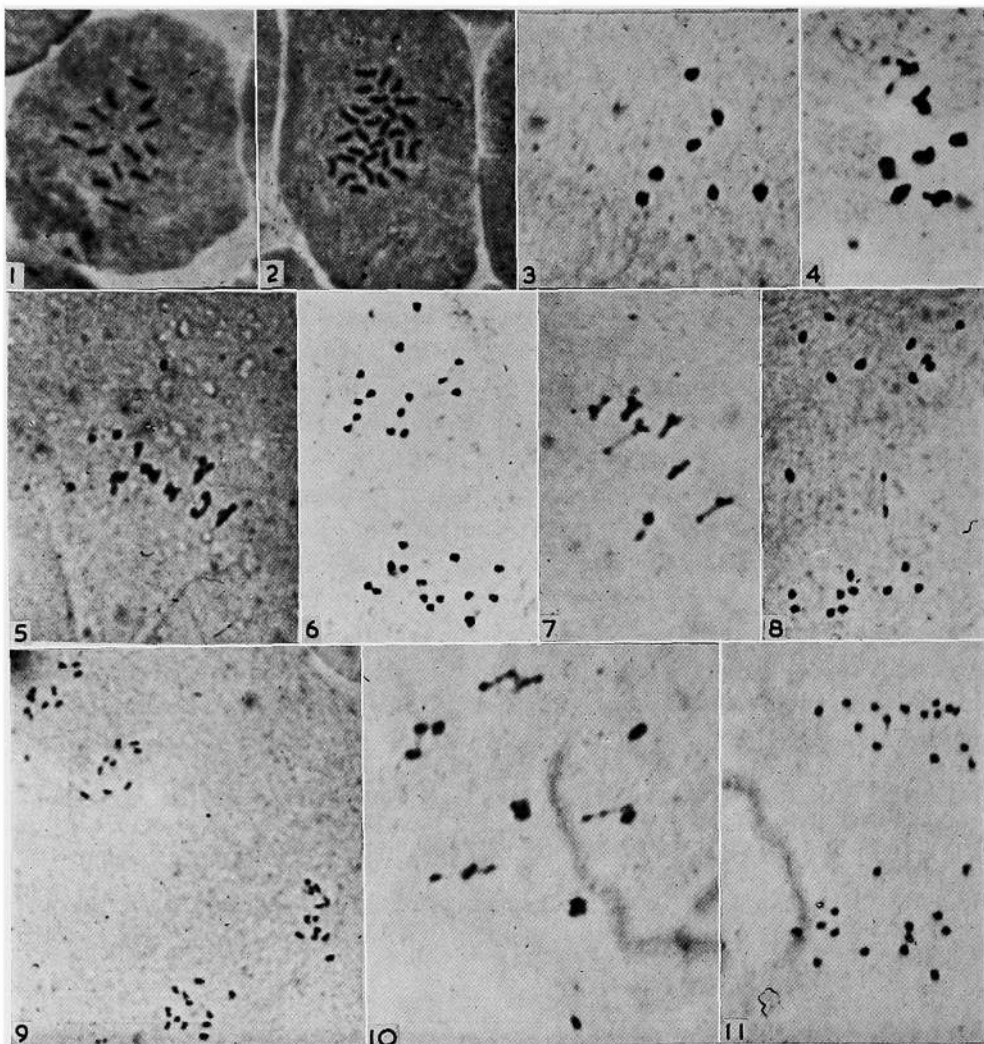








percentage of cells with unequal distribution without laggards was about 25.0 per cent in Pun. 3 but as high as 51.7 per cent in Sadabahar. Cells



Figs. 1-11. 1 and 2, mitotic metaphase chromosomes of diploid and tetraploid. 3, M I in diploid showing 7 bivalents. 4 and 5, M I in the tetraploid showing 7 IV and 5 IV, 2 II and 4 I. 6, A I in tetraploid showing 14-14 distribution. 7-9, M I showing 7 III; A I showing two laggards; and A II showing unequal distribution of chromosomes in the triploid. 10 and 11, M I showing 6 IV, 2 II and 1 I; and A I showing 29 chromosomes in the aneuploid.

with laggards were rather infrequent which ranged from 6.6 to 8.0 per cent. In Pun. 3 at anaphase I supernumerary groups of chromosomes occur with a frequency of 28 and 20 per cent respectively.

The limited number of second anaphase plates examined indicated the existence of unequal distribution and supernumerary grouping in greater frequency than in first anaphase. In all varieties, some proportion of the













