

Paperback Re-issue

Originally published in 1988, this volume provides a stimulating survey of the ways in which the DNA-containing organelles of yeast, animal, and plant cells replicate. The orderly division and segregation of these organelles is essential for the survival of all eukaryotes and is therefore a topic of importance to a wide range of biologists: from geneticists, via physiologists, to molecular biologists.

The first part of the volume examines the mechanism, regulation and consequences of organelle segregation and division as studied in plant and animal cells. The second part of the volume compares the replication of DNA in eukaryote organelles with bacterial processes. Reviews range from a comparative study of DNA polymerases to the possible mechanisms ensuring DNA segregation.

The volume will be of value to anyone with an interest in the areas of biology, genetics, zoology, botany and biochemistry.

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