

CONTENTS

<i>Contributors</i>	vii
<i>Introduction</i>	ix
<i>Acknowledgements</i>	xiii
Factors that influence plastid division in higher plants	
<i>J.V. Possingham, H. Hashimoto and J. Oross</i>	1
Nuclear control of plastid division	
<i>Th. Butterfass</i>	21
Chloroplast division in higher plants with particular reference to wheat	
<i>R.M. Leech and K.A. Pyke</i>	39
Mechanisms and morphology of plastid division	
<i>J.M. Whatley</i>	63
The replication of a free-living prokaryote: <i>Escherichia coli</i>	
<i>W.D. Donachie</i>	85
Mitochondrial division in animal cells	
<i>C.J. Duncan</i>	95
Inheritance of plastids in <i>Pelargonium</i>	
<i>R.A.E. Tilney-Bassett</i>	115
Organelle behaviour during higher plant gametogenesis	
<i>H.G. Dickinson and F.L. Li</i>	131
The replication and segregation of yeast mitochondrial DNA	
<i>E.B. Gingold</i>	149
The role of membranes in the segregation of plastid DNA	
<i>R.J. Rose</i>	171
Homologies between the nuclear and mitochondrial genomes of mammalian cells	
<i>R.F. Rosenberger</i>	197
DNA synthesis in isolated chloroplasts	
<i>W.R. Mills and B.J. Baumgartner</i>	211
DNA polymerases	
<i>J.A. Bryant</i>	231
<i>Index</i>	247