

CONTENTS

Contributors	vii
Acknowledgements	ix
Introduction	1
1 Genetics of Blue-Green Algae S. F. DELANEY, M. HERDMAN and N. G. CARR	7
2 Formal Genetics of <i>Chlamydomonas reinhardtii</i> G. A. HUDOCK and H. ROSEN	29
3 Genetic Determinants of Flagellum Phenotype in <i>Chlamydomonas reinhardtii</i> SIR JOHN RANDALL and D. STARLING	49
4 Genetics of Cell Wall Synthesis in <i>Chlamydomonas reinhardtii</i> D. R. DAVIES and K. ROBERTS	63
5 Plastid Inheritance in <i>Chlamydomonas reinhardtii</i> G. M. W. ADAMS, KAREN P. VANWINKLE-SWIFT, N. W. GILLHAM and J. E. BOYNTON	69
6 Genetics of Chloroplast Ribosome Biogenesis in <i>Chlamydomonas reinhardtii</i> ELIZABETH W. HARRIS, J. E. BOYNTON and N. W. GILLHAM	119
7 Genetics of <i>Chlamydomonas moewusii</i> and <i>Chlamydomonas eugametos</i> C. SHIELDS GOWANS	145
8 Genetic Aspects of Sexuality of Volvocales L. WIESE	174
9 Genetics of Zygnematales P. BIEBEL	198
10 Genetics of Charophyta V. W. PROCTOR	210

11	Genetics of Multicellular Marine Algae A. FJELD and A. LØVLIE	219
12	Approaches to the Genetics of <i>Acetabularia</i> BEVERLEY R. GREEN	236
13	Inheritance and Synthesis of Chloroplasts and Mitochondria of <i>Euglena gracilis</i> G. W. SCHMIDT and H. LYMAN	257
	Appendix A: Publications by A. Pascher on the Genetics of Algae Translations and Commentaries by R. E. REICHLÉ	300
	Appendix B: Publications by Franz Moewus on the Genetics of Algae C. SHIELDS GOWANS	310
	Author Index	333
	Species Index	344
	Subject Index	348