

CONTENTS

1. Introduction	1
2. The Biological Basis of Man's Inheritance	7
3. Genic Action	31
4. Meiosis	63
5. Probability	81
6. Simple Single Factor Inheritance	88
7. Lethal and Sublethal Genes	113
8. Genetic Counseling	121
9. Genetic Ratios	127
10. The Hardy-Weinberg Law	149
11. Multiple Alleles and the Blood Groups	174
12. Medicolegal Applications of Genetics	209
13. Sex Linkage	219
14. Linkage and Crossing Over: I. Types of Linkage and Association	245
15. Linkage and Crossing Over: II. The Detection of Linkage; Chromosome Maps	266
16. Variations in the Expression of Genes	289
17. Prenatal Interactions	329
18. Polygenic Inheritance	350
19. Consanguinity	369
20. Sex Determination	400
21. The Sex Ratio	424
22. Occurrence of Mutations	445
23. Production of Mutations	482

24. The Genetic Hazards of Radiation	503
25. Heredity and Environment: I. Types of Twins	530
26. Heredity and Environment: II. Physical Traits	552
27. Heredity and Environment: III. Mental Traits	574
28. Selection and Genetic Polymorphism	609
29. Selection in Civilization	630
30. Aspects of Medical Genetics	668
31. Genetic Aspects of Race	680
32. Genetic Aspects of Race Mixture	691
33. The Origin of Human Diversity	706
A U T H O R I N D E X	735
S U B J E C T I N D E X	743