

CONTENTS

	Page
1. INTRODUCTORY	1
2. THE HISTORY OF WINDMILLS	6
3. ESTIMATION OF THE ENERGY OBTAINABLE FROM THE WIND	22
4. WIND CHARACTERISTICS AND DISTRIBUTION	37
5. WIND POWER SITES	54
6. WIND SURVEYS	66
7. WIND FLOW OVER HILLS	77
8. THE MEASUREMENT OF WIND VELOCITY	100
9. WIND STRUCTURE AND ITS DETERMINATION	129
10. WIND DATA AND ENERGY ESTIMATION	152
11. THE TESTING OF WIND-DRIVEN A.C. GENERATORS	172
12. WIND-DRIVEN MACHINES	190
13. PROPELLER TYPE WINDMILLS	206
14. PLANTS FOR ISOLATED PREMISES AND SMALL COMMUNITIES	226
15. THE ECONOMY OF WIND POWER GENERATION	247
16. CONSTRUCTION COSTS FOR LARGE WIND-DRIVEN GENERATORS	255
17. THE RELATIONSHIP OF WIND POWER TO OTHER POWER SOURCES	268
18. RESEARCH AND DEVELOPMENT	283
19. INTERNATIONAL CO-OPERATION	291

CONTENTS

Page