

# CONTENTS

	<i>page</i>
Foreword	v
Preface	ix
I Early history	
2 Basic principles	5
3 The compressor	32
4 The turbine	47
5 Combustion	67
6 Heat exchangers, intercoolers and precoolers	96
7 Materials	115
8 Industrialized aero turbines	130
9 British gas turbines	135
10 Foreign gas turbines	157
11 Stationary plant	188
12 Mobile plant	220
13 Marine gas turbines	239
14 Land transport	256
15 Air cushion vehicles	276
16 Running and maintenance	291
17 Operating experience	315
Appendices	
A World directory of manufacturers	337
B Glossary of gas turbine terms	350
Bibliography	357
Name Index	361
Subject Index	369