

# Contents

<i>Tables</i>	vii
<i>Figures</i>	x
<i>Plates</i>	xxi
<i>Acknowledgements</i>	xxiii
<i>Preface</i>	xxvii

## Introduction to Parts III and IV

12 Man's awareness of climatic changes	1
--	---

### Part III Climatic history

13 Evidence of past weather and climate	21
13.1 <i>Evidence from meteorology and parameteorological phenomena</i>	22
13.2 <i>Dating methods</i>	48

vi Contents

13.3	<i>Field evidence of past climates interpreted by physical science</i>	89
13.4	<i>Field evidence of past climates derived from the biological sciences</i>	171
13.5	<i>Evidence from human history and archaeology</i>	243
14	Climate and the long history of the Earth	280
15	The Quaternary ice ages and interglacial periods	308
16	Postglacial times	363
17	Climate in historical times	423
18	Climate since instrument records began	474
Appendix to Part III		
V	Supplementary tables and figures	551
Part IV The future		
19	Man-made climatic changes	655
20	Approaches to the problem of forecasting	678
Appendix to Part IV		
VI	Scientifically based climate forecasts known to have been issued	699
<i>References</i>		
<i>Subject index</i>		
<i>Geographical index</i>		