





Professor J. N. Jennings, 1916–1984	vii
Publisher's Note	viii
Preface	ix
1 The Nature of Karst	1
<i>Pseudokarst or karst – Some general aspects of karst</i>	
2 Karst Rocks	8
<i>Carbonate rocks – Limestones – Dolomites – Evaporites – Permeability and strength of karst rocks</i>	
3 Karst Processes	19
<i>Solution and precipitation – Piping – Subsidence – Collapse – Cave weathering</i>	
4 Drainage	34
<i>Areal input – Surface rivers – River regimes – Sinking of rivers – Springs – Patterns of underground connections – Regimes of karst springs – Theory of karst hydrology</i>	
5 Surface Weathering	70
<i>Factors affecting minor surface solution sculpture – Types of minor surface solution forms on limestone – Solution microforms on other karst rocks – Assemblages of solution microforms – Measurement of solution at and close to the surface</i>	
6 Surface Landforms	88
<i>Gorges – Meander caves – Natural bridges – Half-blind valleys – Blind valleys – Steepheads – Dry valleys – Constructional action of rivers – Dolines – Doline morphometry – Cockpits – Tower karsts – Uvala – Poljes – Other closed depressions – Karst plains</i>	



## Contents

7	Caves	135
	<i>General characteristics – Cave formation – Vadose seepage – Beginnings of caves and nothephreatic solution – Dynamic phreatic action – Vadose flow – Diversity from context and event – Cave morphometry – Processes underground</i>	
8	Cave Deposits	159
	<i>Speleothems – Cave ice – Clastic sediments – Biogenic deposits – Entrance facies – Dating – Palaeoenvironmental history</i>	
9	The Influence of Geological Structure	177
	<i>Regional effects of structure – Structural effects on landform types – Structural effects underground – Cave hydrogeologic systems</i>	
10	The Influence of Climate	191
	<i>Rates of karst denudation – The arid extreme – The cold extreme – The 'botanic hothouse' extreme</i>	
11	Coast and Karst	215
	<i>Cliffs – Shore platforms – Karst in coastal dune limestones – Emerged biogenic reefs and marine terraces – Submerged karst coasts – Karst effects in modern reefs – Sea level oscillations</i>	
12	The Historical Geomorphology of Karst	233
	<i>The karst cycle – Climatic change – Tectonic movements and changes of base level – Regional individuality in karst</i>	
	References	252
	Index	281