

CONTENTS

Part I. Introduction	1
Chapter 1. Carbonates and the Ocean	3
Chapter 2. Methods	16
Part II. Carbonate Components	35
Chapter 3. Non-Skeletal Components	37
Chapter 4. Skeletal Components	52
Chapter 5. Summary of Carbonate Composition	138
Part III. Marine Carbonate Sedimentation	149
Chapter 6. Eulittoral (Shallow-Water) Sedimentation	153
Chapter 7. Transitional (Sublittoral) Carbonate Sedimentation	206
Chapter 8. Deep-Sea Carbonates	223
Part IV. Carbonate Diagenesis	251
Chapter 9. Carbonate Degradation	253
Chapter 10. Carbonate Cementation	270
Chapter 11. Dolomitization	304
Appendix I. Key to the Identification of Carbonate Components in Thin Section	316
Appendix II. Key to the Identification of Carbonate Components. Under Reflected Light	317
Bibliography	319
Subject Index	365