

# Sediment Diagenesis

edited by

**A. Parker**

and

**B.W. Sellwood**

Sedimentology Research Laboratory,  
Department of Geology, University of Reading, U.K.



**D. Reidel Publishing Company**

Dordrecht / Boston / Lancaster

Published in cooperation with NATO Scientific Affairs Division



TABLE OF CONTENTS

|  |     |
|--|-----|
| Foreword / The Editors   | vii |
| T. ELLIOTT / Facies, Sequences and Sand-Bodies of the<br>Principal Clastic Depositional Environments | 1   |
| G. V. CHILINGARIAN / Compactional Diagenesis   | 57  |
| K. BJØRLYKKE / Diagenetic Reactions in Sandstones  | 169 |
| B. VELDE / Diagenetic Reactions in Clays   | 215 |
| H. FUCHTBAUER / Facies Controls on Sandstone Diagenesis  | 269 |
| N. P. JAMES / Depositional Models for Carbonate Rocks  | 289 |
| R. G. C. BATHURST / Early Diagenesis of Carbonate Sediments  | 349 |
| H. R. WANLESS / Burial Diagenesis in Limestones  | 379 |
| Index  | 419 |