Geoscience Canada, Reprint Series 1

Facies Models, Second Edition

Edited by

Roger G. Walker
Department of Geology
McMaster University
Hamilton, Ontario L8S 4M1 Canada

1984

## Contents

1. General Introduction: Facies, Facies Sequences and Facies Models  
   Roger G. Walker  
   Page 1

2. Improved Methods of Facies Sequence Analysis  
   Charles W. Harper  
   Page 11

3. Glacial Facies  
   Nicholas Eyles and Andrew D. Miall  
   Page 15

4. Volcaniclastic Rocks  
   Jean Lajoie  
   Page 39

5. Coarse Alluvial Deposits  
   Brian R. Rust and Emlyn H. Koster  
   Page 53

6. Sandy Fluvial Systems  
   Roger G. Walker and Douglas J. Cant  
   Page 71

7. Eolian Facies  
   Michael E. Brookfield  
   Page 91

8. Deltas  
   Andrew D. Miall  
   Page 105

9. Barrier Island and Associated Strand-Plain Systems  
   G.E. Reinson  
   Page 119

10. Shelf and Shallow Marine Sands  
    Roger G. Walker  
    Page 141

11. Turbidites and Associated Coarse Clastic Deposits  
    Roger G. Walker  
    Page 171

12. Trace Fossil Facies Models  
    Robert W. Frey and S. George Pemberton  
    Page 189

13. Introduction to Carbonate Facies Models  
    Noel P. James  
    Page 209

14. Shallowing – Upward Sequences in Carbonates  
    Noel P. James  
    Page 213

15. Reefs  
    Noel P. James  
    Page 229

16. Carbonate Slopes  
    Ian A. McIlreath and Noel P. James  
    Page 245

17. Evaporites  
    Alan C. Kendall  
    Page 259

18. Subsurface Facies Analysis  
    Douglas J. Cant  
    Page 297

19. Seismic-Stratigraphic Facies Models  
    Thomas L. Davis  
    Page 311