

Contents

Subject	Page No.
Acknowledgements.....	I
Abstract.....	III
Contents.....	VI
List of figures.....	VII
List of tables.....	IX
Chapter I: Introduction & Previous Work.....	1
1. Introduction.....	1
1. 1. Location of the studied sections.....	1
1. 2. Aim of the work.....	3
1. 3. Material and methods.....	3
2. Previous Work.....	4
Chapter II: Stratigraphy.....	13
1. Lithostratigraphy.....	13
2. Biostratigraphic zonation.....	28
2. 1. Gebel Ekma.....	28
2. 2. East Themed area.....	39
2. 3. Gebel Yelleg.....	33
3. Zonal stratigraphy.....	35
3. 1. Ammonite zonation.....	35
3. 2. Zonation based on other macrofossils and larger foraminifera.....	39
4. Integration and correlation.....	51
5. The stage boundaries.....	51
6. Age range of the studied macrofossils.....	62
Chapter III: Systematic paleontology.....	68
1. Bivalvia.....	69
2. Gastropoda.....	214
3. Cephalopoda.....	252
4. Echinoidea.....	275
Chapter IV: Paleoecology and paleobiogeography.....	325
Chapter V: Summary and conclusions.....	344
References.....	351
Plates	
Arabic summary.	