

CONTENTS

	Page
ACKNOWLEDGEMENTS	i
ABSTRACT.....	iii
LIST OF FIGURES AND TABLES.....	vii
FAUNAL LIST.....	ix
Chapter 1. INTRODUCTION AND PREVIOUS WORK.....	1
Chapter 2. STRATIGRAPHY OF THE OLIGOCENE ROCK UNITS IN EGYPT.....	11
Chapter 3. STRATIGRAPHY OF THE OLIGOCENE ROCK UNITS IN THE MIDDLE EAST.....	21
Chapter 4. SUBSURFACE MAPS.....	30
Chapter 5. BIOSTRATIGRAPHY.....	32
Chapter 6. CHRONOSTRATIGRAPHY.....	58
Chapter 7. TAXONOMY.....	62
7.1 BENTHONIC LARGER FORAMINIFERA.....	62
7.2 PLANKTONIC FORAMINIFERA.....	87
7.3 OSTRACODA.....	132
Chapter 8 SUMMARY AND CONCLUSIONS.....	148
REFERENCES.....	151
CURRICULUM VITAE.....	159
EXPLANATION OF PLATES.....	
ARABIC SUMMARY.....	