TABLE OF CONTENTS

	Page
PREFACE	۷
TABLE OF CONTENTS	VII
LIST OF FIGURES	х х
LIST OF TABLES	XI
I. INTRODUCTION	
1. Population Growth and Demands	1
2. Problems of the Old Land	2
3. Possibilities of Desert Areas	2
II. ARID ZONE RESEARCH IN EGYPT	4
III. HISTORICAL REVIEW OF LAND RECLAMATION	
1. General Outline	7
2. Reclamation before 1952	7
3. Reclamation between 1952 and 1967	8
4. Reclamation between 1967 and 1975	10
5. The Green Revolution	11
IV. THE GENERAL AGRICULTURAL SECTOR	
 Current Status 	12
a. Average Crop Yields	13
b. Impact of Irrigation and Drainage	13
2. New Cultivation Areas	14

۷.	NEW LAND RESOURCES	
	1. Plots for Reclamation in Sinai	32
	2. Land Reclamation in the East Nile Delta	37
	3. Land Reclamation in the Middle Delta	39
	4. Land Reclamation in the West Delta Region	40
	5. Land Reclamation in Middle Egypt	43
	6. Land Reclamation in Upper Egypt	45
	7. Land Reclamation in the Western Desert	46
VI.	WATER RESOURCES	
	1. Nile Water	51
	2. Rain Water	51
	3. Groundwater	52
	4. Water Recycling	55
VII.	MAIN WATER CONSTRAINTS	
	1. Sinai	63
	2. Western Mediterranean Littoral	63
	3. Nile and Delta Fringes	63
	4. High Dam Lake Area	
	5. El Faiyum	64
	6. New Valley	64
		64
VIII	. CROPPING PATTERN FOR LAND RECLAMATION AREAS	
	1. Cropping Patterns	66
	2. Yields	67
T v		
IX.	WATER REQUIREMENTS	
	1. Method of Irrigation	68

	2. Water Duties	68
	3. C.U. Values	68
	4. Field Water Requirements	69
	5. Water Requirements at Aswan	69
	6. Sanitary Sewage Drainage Irrigated Plots	70
х.	DRAINAGE	
	1. On-farm Drainage	71
	2. Drainage Quantities	71
	3. Lifting of Drainage Water	71
	4. Main Drains Capital Costs	71
XI.	CAPITAL COSTS	
	1. Development Capital Costs	72
	2. Main Irrigation and Drainage Projects	
	Capital Costs	72
	3. On-farm Irrigation Pumping Units	72
	4. Farm Machinery	73
XII.	MAIN REFERENCES CITED	74
XIII.	APPENDIX A	75
XIV.	APPENDIX B	95