TABLE OF CONTENTS

	page
INTRODUCTION	1
CHAPTER I. THE MODEL THEORETIC FRAMEWORK	9
§1 Terminology and tools from the theory of models	11
§2 From the theory of equationally compact universal algebras; the structure topologies	26
CHAPTER II. MINIMUM CONDITIONS AND COMPACTIFICATIONS	40
§3 Structural conditions for equational compactness and quasi-compactifiability; ring extensions	40
§4 Compactifications of artinian rings and simple rings with minimal ideals	51
CHAPTER III. RINGS WITH THE ASCENDING CHAIN CONDITION	65
§5 The noetherian and torsion cases	66
§6 The characterization theorem	74
CHAPTER IV. DISCRIMINATOR VARIETIES AND m-RINGS	85
§7 Boolean extensions	87
§8 Compactness	94
§9 Injectivity	120
CHAPTER V. THE MYCIELSKI QUESTION	137
§10 Graphs and W. Taylor's examples	138
§11 A further counterexample	143
RECURRING NOTATIONS	159
BIBLIOGRAPHY	161
SUBJECT INDEX	166