

CONTENTS

CHAPTER I. FUNDAMENTALS OF NUCLEAR MAGNETIC Resonance	1
CHAPTER II. ISOMERISM IN POLYMER CHAINS	53
CHAPTER III. CONFIGURATIONAL SEQUENCES AND THEIR OBSERVATION POLYMERS OF α,α DISUBSTITUTED VINYL MONOMERS	65
CHAPTER IV. POLYACRYLATES, POLYACRYLONITRILE, AND POLYVINYL ALCOHOL AND ITS DERIVATIVES	90
CHAPTER V. HALOETHYLENE POLYMERS	107
CHAPTER VI. POLYSTYRENE AND RELATED POLYMERS	118
CHAPTER VII. POLYOLEFINS AND RELATED POLYMERS	130
CHAPTER VIII. NMR INVESTIGATIONS OF THE MECHANISM OF PROPAGATION IN VINYL POLYMERIZATION	146
CHAPTER IX. THE STUDY OF THE CONFORMATIONS OF VINYL POLYMER CHAINS AND MODEL COMPOUNDS BY NMR	182
CHAPTER XI. DIENE POLYMERS AND COPOLYMERS	219
CHAPTER XII. RING-OPENING POLYMERS, POLYAMIDES, POLYESTERS, AND MISCELLANEOUS POLYMERS	231
CHAPTER XIII. POLYPEPTIDES	247
CHAPTER XIV. PROTEINS	337
CHAPTER XV. NUCLEIC ACIDS	388
AUTHOR INDEX	429
SUBJECT INDEX	448