

CONTENTS

OPENING ADDRESS	3
INORGANIC POLYMERS CONTAINING SILICON-NITROGEN BONDS	5
HIGH-TEMPERATURE BEHAVIOUR OF POLYPHOSPHONITRILIC CHLORIDE	12
INORGANIC POLYMERS	24
PRINCIPLES OF POLYMER STABILITY AT ELEVATED TEMPERATURES	43
THERMAL DEGRADATION OF POLYMERS AT TEMPERATURES UP TO 1200°C	60
STABILITY OF POLYMERS WITH MAIN INORGANIC MOLECULAR CHAINS TO THERMAL OXIDATION AND HYDROLYSIS	75
PON POLYMERS	89
SECOND SESSION	
COMPETITIVE ROUTES IN THE PYROLYSIS OF POLYESTERS AND RELATED SYSTEMS	107
STUDIES IN THE SIDE CHAIN DEGRADATION AND REACTIONS OF SOME ACRYLIC AND METHACRYLIC ESTER POLYMERS	132
EFFECT OF BRANCHING ON THE THERMAL DECOMPOSITION OF POLYMERS	146
RECENT ADVANCES IN THE THEORY OF THERMAL DEGRADATION OF HETERODISPERSE POLYMERS	163
THERMAL DISKCOLORATION OF NITRILE POLYMERS	184
THERMAL DECOMPOSITION OF POLYVINYL CHLORIDE IN THE PRESENCE OF CATALYSTS	200
THERMAL DEGRADATION OF POLYETHYLENE TEREPHTHALATE	211
THIRD SESSION	
POLYPHENYLENE OXIDES	231
THERMAL DEGRADATION OF FLUORINE-CONTAINING POLYMERS, POLYPHENYLENE OXIDES AND POLYPHENYLENES	248
POLYMERS CONTAINING FLUORINE	270
DEGRADATION OF POLY-(2,3,4,5,6,-PENTAFLUOROSTYRENE)	295
ORGANO-ARSENICAL POLYMERS	303
BORONIC ACID DERIVATIVES	320
THE EXPERIMENTAL APPROACH TO THE PREPARATION OF APPLICABLE BORAZOLE POLYMERS	328
ENERGY TRANSFER PROCESSES IN DECOMPOSING POLYMERIC SYSTEMS	343
THERMAL DEGRADATION OF SOME POLYAMIDES	357
THE EMBRITTLEMENT OF POLYAMIDES: ITS MECHANISM AND PREVENTIVE TREATMENT	392
THE THERMAL OXIDATION OF ZIEGLER POLYETHYLENES	413
DEGRADATION OF POLYPROPYLENE	432
THE THERMAL AGEING OF ELECTRICAL INSULATING FILMS	453
PYROLYSIS OF A PHENOL-FORMALDEHYDE POLYCONDENSATE	475

