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Publisher *Taylor & Francis*

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International Journal of Polymeric Materials

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713647664>

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To cite this Article (1991) 'III Reading Dedicated to Vasilii V. Korshak-1991', *International Journal of Polymeric Materials*, 15: 2, 139

To link to this Article: DOI: 10.1080/00914039108031531

URL: <http://dx.doi.org/10.1080/00914039108031531>

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III Reading Dedicated to Vasilii V. Korshak—1991

The III Reading dedicated to well-known Soviet polymer chemistry and physics scientist Vasilii V. Korshak (1909–1988) was held January 9–11, 1991.

This Reading was organized by the Scientific Council for High-Molecular Compounds, U.S.S.R. Academy of Sciences (Council Head—V. A. Kabanov); the Institute of Elementoorganic Compounds (IEOC) (Deputy Director—P. M. Valetsky); and the D. I. Mendeleev Moscow Chemical Technological Institute (MMChTI) (Polymer Department Dean—G. M. Tseitlin). More than 200 participants from twenty-two research centers in the U.S.S.R. took part in the Conference, along with scientists from France and Germany. The Conference included thirteen plenary lectures.

The first plenary lecture was given by A. L. Rusanov (IEOC), who spoke about reductive polyheterocyclization—an investigation initiated by Vasilii Korshak. M. Lavalou (France) gave information about polymer research at the University of Technology in Compiègne. H. Höcker, from Aachen Technical High School (Germany), discussed problems of synthesis of new carbonate systems by polymerization with opening of rings of aliphatic carbonates.

B. Sillion, Institute France de Petrol, covered new heat-resistant materials and their applications. Special attention was given to structure and properties of aromatic heat-resistant polymers by Askadsky (IEOC); and new approaches to the preparation of rigid-chain polyheteroarylenes were addressed by I. I. Ponomarev (IEOC).

H. Roubach, the Central Institute of Organic Chemistry (CIOCh) (Berlin, Germany) discussed the influence of Dr. Korshak's investigations on the development of research at CIOCh. He reviewed historical aspects of the cooperation between German and U.S.S.R. polymer chemists. H. Sekiguchi (Paris University) showed the results of synthesis and properties of polyamides which obtained by lactam polymerization and polycondensation; N. Spassky (Paris University) discussed stereoregular polyesters synthesized by polycondensation and ring-opening polymerization.

The report of V. A. Kotelnikov (IEOC), was devoted to the influence of lactams anionic polymerization catalysts on the degradation of polyamides. J. Otton, Rhône-Poulenc Co. (Lyon, France), and V. A. Sergeev (IEOC) covered the problems of investigation of the formation of polyethyleneterephthalate with model molecules and synthesis and properties of aromatic polysulphides. The closing conference report by E. Marechal (Paris University) treated problems of macromolecular engineering by polycondensation.

This Reading demonstrated a high level of scientific investigation, improved hardware and software development, and showed that studies on polymer properties and their improvement are of great theoretical and practical interest. The IV Reading will be held in January, 1992, at the Institute of Elementoorganic Compounds, U.S.S.R. Academy of Sciences, Moscow.