

The discussion of the proceedings of the conference was divided into sections, viz. "The quality and processing of man-made fibres and yarns" and "Quality control in man-made fibre and yarn production."

The contributions in the section on the quality and processing of man-made fibres dealt with the following points: quality requirements for man-made fibres, the technological work carried out for the purpose of improving the quality of man-made fibres; research in the field of processing man-made fibres.

The most interesting contributions on the first of these points came from G. I. Kuznetsova (All-Union Scientific-Research Institute for the Processing of Man-Made Fibres), K. N. Pletnikova (Central Scientific-Research Institute of the Cotton Industry), S. V. Petukhova (All-Union Scientific-Research Institute of the Textile and Notions Industry), and N. S. Efimova (Central Scientific-Research Institute of the Wool Industry). Reports on the technological work carried out by the various organizations were presented by B. V. Savinov (All-Union Scientific-Research Institute of Synthetic Fibres), A. B. Pakshver (All-Union Scientific-Research Institute of Cellulosic Fibres), L. G. Buskina ("Navoiyazot" Combine), Yu. R. Kupinskii (Kursk Man-Made Fibre Combine), I. T. Rogalev All-Union Scientific-Research Institute for the Processing of Man-Made Fibres), S. S. Aleksandriiskii (All-Union Scientific-Research Institute of Synthetic Fibres), G. I. Kravtsova (Volzhsk Synthetic Fibre Plant), and others. Mention should be made also of the communications relating to research in the field of processing man-made fibres presented by Ya. G. Shindel' (Ukrainian Scientific-Research Institute for the Processing of Fibres), A. V. Kuzovkina (All-Union Scientific-Research Institute for the Processing of Man-Made Fibres), A. V. Ostroskaya (Central Scientific-Research Institute of the Bast Fibre Industry), and T. P. Sveshnikova (All-Union Scientific-Research Institute for the Processing of Man-Made Fibres).

In the communications in this section special emphasis was laid on problems relating to investigations of the influence of the quality indices of man-made fibres and yarns on the processing conditions, and of the influence of the technological parameters in processing on the quality indices of the finished product, and practical suggestions were offered for improving the quality and extending the range of man-made fibres.

In the section "Quality control in man-made fibre and yarn production" the communications dealt with the theoretical aspects and practical ways of introducing systems of quality control for man-made fibres and yarns. The principal points analyzed were: improving the measuring techniques and methods of testing not only in the various stages of the production process but also in the case of the end product; improving the quality control by statistical methods; developing a comprehensive quality control system.

The first point was the subject of addresses by Ts. P. Livinskii (Ukrainian Scientific-Research Institute for the Processing of Fibres), D. G. Konev (Barnaul Branch of the Experimental Design Office for Automation), and L. N. Kartashova (All-Union Scientific-Research Institute for Cellulosic Fibres). Mention should be made of the communications on the subject of statistical methods of quality control contributed by the representatives of the All-Union Scientific-Research Institute for Synthetic Fibres É. N. Shubin, V. N. Gavrillets, V. A. Serova, and S. A. Ovsiyannikova. Points relating to the development of a comprehensive system of control were discussed in papers presented by O. G. Irkho (Mogilev Man-Made Fibre Combine), G. N. Smirnova (Cherkassy Man-Made Fibre Plant), and V. I. Strokov (Chernigov Man-Made Fibre Combine) among others.

The discussion dealt also with important procedural points in the field of quality control, e.g., improvements in the data capacity of all system elements, the use of computers for the analysis and planning of product quality, optimization of the cost effectiveness of the system, feed-back from the users to the producers, etc. In some of the papers examples were quoted of the use of quality control systems at the producing establishments. Considerable emphasis was laid in the work of the section on the problem of preparing set of the most significant indices for the characterization of the quality of the products of the man-made fibre establishments.

In the communications and discussion it was repeatedly emphasized that the problems discussed could be resolved only on the basis of close cooperation between the personnel of the producing establishments and the processing industry. The conference delegates put forward numerous suggestions and recommendations for an improvement in the quality of man-made fibres and in the quality control systems.

## ERRATUM

In the article "Acetate Yarn Mass-Whitened with Belofor OM" which appeared in *Fibre Chemistry* Vol. 9, No. 2, March-April (1977) the name of V. I. Klimanov should be added to the list of the authors of the article.