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Expert Group Meeting on New Techniques  
of Yarn and Fabric Production,  
organized in co-operation with the  
International Institute for Cotton

Manchester, United Kingdom, 19 - 22 June 1972

PROVISIONAL AGENDA AND PROGRAMME OF WORK

We regret that some of the pages in the microfiche copy of this report may not be up to the proper legibility standards, even though the best possible copy was used for preparing the master fiche.

Monday, 19 June

Morning

- 9.00 to 9.30 - Registration of participants
- Item 1: 9.30 - Introductory address,  
Mr. A. Erāneva, UNIDO
- Item 2: 9.45 - Election of Chairman and Rapporteurs  
and adoption of Agenda
- Item 3: 10.00 - "A Survey of Current Short Staple Spinning  
Systems" by Mr. H. Cripps, Shirley Institute
- (A technical review and appraisal of new types  
of spinning machinery, including machinery for  
preparation and winding, currently in commercial  
production. Comparison of machine productivity  
and product quality on new and conventional  
systems.)
- Item 4: 11.30 - Visit to the spinning laboratories of the  
Shirley Institute.
- 12.45 to 14.15 - L u n c h I n t e r v a l

Afternoon

- Item 5: 14.15 - "Open-end Spinning of Short Staple Fibres - I"  
by Mr. Robert Greenwood, Platt International Ltd.
- "Open-end Spinning of Short Staple Fibres - II"  
by Representative of Elitex, Czechoslovakia
- The two papers will deal with the subject matter  
from a different point of view. The paper by  
Platt International will include a study of  
processes preparatory to O-E spinning and an  
examination of the factors affecting machine and  
plant specifications and mill planning.

The paper by Elitex will discuss the suitability of different varieties of cotton for O-E spinning, the characteristics of O-E cotton yarns and their performance at subsequent stages of processing.

Each paper, however, will include an independent assessment of the development potential of O-E spinning in relation to other spinning systems and an examination of the economics of installing and operating an O-E spinning system in a developing country.

Discussion

**Tuesday, 20 June**  
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**Morning**

**Item 6: 9.30**

- "Open-end Spinning of Short Staple Fibres - III"  
by Mr. T. Konishi, Daiwa Spinning Co. Ltd., Japan  
(This paper will deal primarily with practical considerations from the point of view of the spinner and will include technical and commercial factors to be considered before installing open-end spinning equipment; yarn properties in relation to end-uses; actual and potential markets for finished products; staffing and equipment needed to achieve balanced production; plant layout and handling systems; maintenance and quality control; economics of open-end spinning.)

Discussion

**Item 7: 11.30**

- "Some Special Features of Cotton Open-end Yarns"  
by Dr. A. Barrella, Director, Asociación de Investigación Textil Algodonera (AITA), Barcelona  
(A comparison of conventional and open-end yarns in relation to strength, abrasion resistance, extensibility, hairiness etc.)

12.30 to 14.00 - Lunch Interval

Afternoon

Item 8: 14.00

- Visit to Platt International Ltd., Research Centre, Helmsore.  
Tour of the laboratories.  
Self-twist spinning: Platt International staff.  
(Progress in the application of the self-twist spinning system to short staple fibres.)

Wednesday, 21 June

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Morning

Item 9: 9.30

- "Recent Developments in Weaving"  
by Professor H. W. Krause, Eidgenössische Technische Hochschule, Zürich  
(High speed weaving machines; new methods of weft insertion; evaluation of cloth characteristics from different types of looms; cost factors.)

Discussion

Item 10: 11.45

- Visit to the weaving laboratories of the Shirley Institute

12.45 to 14.15 - Lunch Interval

Afternoon

Item 11: 14.15

- "Recent Developments in the Knitting of Cotton Type Yarns" by Mr. K. P. Moltu, International Institute for Cotton, Manchester  
(New types of knitting machinery, weft insertion techniques. Use of modified cotton yarns in knitted constructions. End-use applications, cost factors and market potential.)

Discussion

Item 12: 15.15

- Visit to the knitting laboratories of the Shirley Institute and the International Institute for Cotton.

Item 13: 16.00

- Contributions from participants  
(Participants from developing countries will present their contributions.)

Thursday, 22 June  
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Morning

Item 14: 9.30

- "The Cost of Yarn and Cloth Faults" by Dr. H. Catling, the Shirley Institute.  
(An analysis of the effect of yarn and cloth faults at subsequent stages of processing and their cumulative impact on costs.)

Item 15: 11.30

- "Development in Progress" by Mr. H. Cripps, Professor Kreuse and others  
(A discussion on other new processing developments not covered in previous sessions.)

12.45 to 14.15 - L u n c h I n t e r v a l

Afternoon

Item 16: 14.15

- Conclusions and Recommendations  
(A general discussion leading to a summary of the main conclusions emerging from the deliberations of the meeting and identification of areas that require further study.)

Item 17: 16.30

- Adoption of conclusions and recommendations and closing of meeting.





**23.7.74**