



**TOGETHER**  
*for a sustainable future*

## OCCASION

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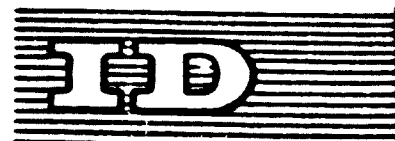
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**United Nations Industrial Development Organization**

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17 November 1970  
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**Seminar in Plastics Technology for Developing Countries  
Vienna, 14 September - 27 November 1970**

PROGRAMME

Monday, 14 September 1970 (Opening Session)

9.30 - 11.00 a.m.

opening speech:

Mr. N.K. Grigoriev, Officer-in-Charge  
UNIDO and  
Director of Industrial Technology Division

speeches:

Mr. S. Quijano-Caballero, UNIDO  
Director of Technical Cooperation Div.

Mr. E. Libsch, Austrian Federal Ministry  
for Foreign Affairs

Mr. W. Melis, Austrian Chamber of  
Commerce

Mr. P. Kapral, Austrian Federation of  
Industry

Mr. H. Tschanler, Austrian Plastics  
Institute (OKI)

Mr. E. Schmits, LKT

Mr. M.C. Verghese, UNIDO  
Chief, Fertilisers, Pesticides and Petro-  
chemicals Industries Section, Industrial  
Technology Division

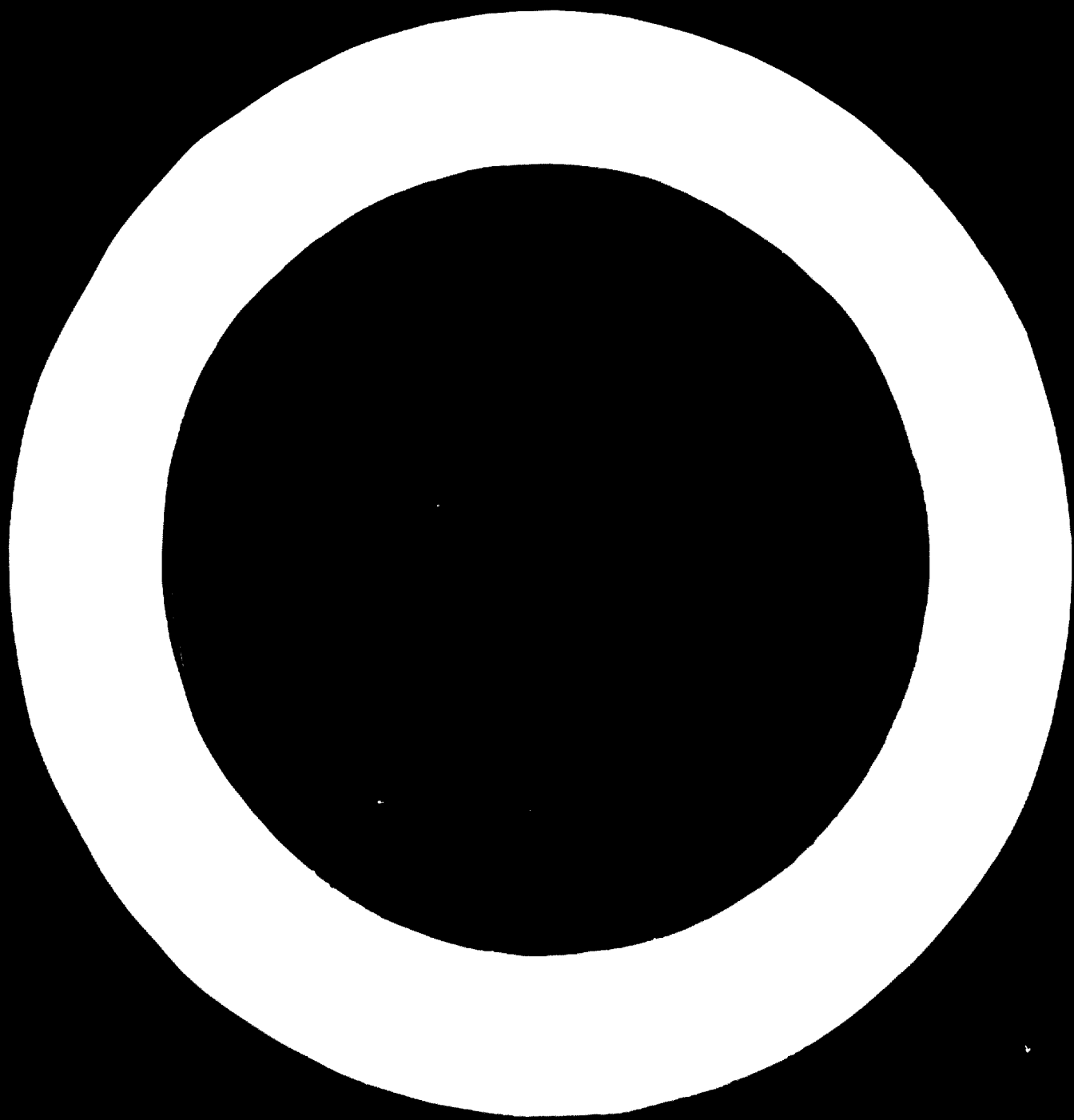
3.00 - 5.00 p.m.

Talk on UNIDO's activities in  
plastics

Mr. H. May, UNIDO  
Secretary of the Seminar

Presentation of overall programme,  
social side, factory visits, etc.

Mr. A. V. Abraham, UNIDO  
Fertilizers, Pesticides and Petrochemicals  
Industries Section, Industrial Technology  
Division



Monday, 14 September 1970

3.00 - 5.00 p.m.

Administrative matters

Mr. H. Pichler, UNIDO  
Chief, Technical Programmes Financial  
Management Section, Financial Services,  
Division of Administration

Mr. L. G. Haug, UNIDO  
Chief, Section for Interregional  
Projects and Fellowships, Technical  
Cooperation Division

Questions and answers

Tuesday, 15 September - Friday, 18 September 1970

9.00 a.m. - 1.00 p.m.

2.00 - 5.00 p.m.

Introductory Course

General survey of Plastics Technological  
Developments

OKI (Oesterreichisches Kunststoffinstitut)  
Arsenal, Objekt 213  
1030 Vienna  
tel. 65 43 16

Monday, 21 September - Friday, 16 October 1970

9.00 a.m. - 1.00 p.m.

2.00 - 5.00 p.m.

Course in Plastics Technology

Lectures, demonstrations and laboratory  
work.

LKT-GTM (Laboratorium für Kunststoff-  
technik)  
Severingasse 9  
1090 Vienna  
tel. 42 33 54

Monday, 19 October - Friday, 30 October 1970

9.00 a.m. - 1.00 p.m.

2.00 - 5.00 p.m.

Physical testing and standards for  
plastics

OKI (Oesterreichisches Kunststoffinstitut)  
Arsenal, Objekt 213  
1030 Vienna  
tel. 65 43 16

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, 2 November 1970

Plant visits at Österreichische Stickstoffwerke AG, Petrochemie Schwechat AG  
(Manufacture of polypropylene) Schwechat

ISCVOLTA - Österreichisches Isolierstoffwerk AG, Vienna  
(processor)

Tuesday, 3 November 1970

Plant visits at E. Röhrig & Co (plants in Vienna and Neudörfel)  
(mouldmaking, injection moulding)

Mechanical and Industrial Engineering and Trade Company Ltd.  
(injection moulding machines) Kottlingbrunn

Wednesday, 4 November 1970

Plant visits at ANGER - Plastics Processing Machines Ltd. (APM), Vienna  
(extruders)

Thursday, 5 November 1970

Plant visits at Ludwig Engel KG - Schwertberg, Upper Austria  
(injection moulding machines)

AGM - Allgemeine Maschinenbau Ges.m.b.H., Linz  
(extruder demonstration)

Friday, 6 November 1970

Plant visits at Poloplast - Linz Wegscheid  
(processor tube production)

Semperit AG, Linz Wegscheid  
(foam processor)

Interplastic Werk Ges.m.b.H.  
(processor - PVC sheets on calenders, flooring, printing etc)

Monday, 9 November 1970

Plant visit at Farbwerke Hoechst - Frankfurt/Main, FRG

Tuesday, 10 November 1970

Plant visit at Farbwerke Hoechst, Frankfurt/Main, FRG

Wednesday, 11 November 1970

Plant visit at LURGI Gesellschaften, Frankfurt/Main, FRG

Thursday, 12 November 1970

Plant visit at Badische Anilin & Soda Fabrik - BASF, Ludwigshafen, FRG

Friday, 13 November 1970

Plant visit at Badische Anilin & Soda Fabrik, - BASF, Ludwigshafen, FRG

Monday, 16 November 1970

Plant visit at Royal Dutch Shell Plastics Laboratory, Delft, Netherlands

Tuesday, 17 November 1970

Plant visit at TNO - Plastics and Rubber Institute, Delft, Netherlands

Wednesday, 18 November 1970

Plant visit at Solvay et Cie - Central Research Laboratory at Neder-over-Hoerbeek, Belgium

Thursday, 19 November 1970

Plant visit at G. Bauknecht GmbH, Stuttgart, FRG

Monday, 23 November 1970

9.00 Lecture on "Rigid polyurethane foams"  
by Dr. Vogel of Bayer-Leverkusen, FRG

10.00 Discussion

2.30 Three films on "Survey of plastics"  
"Plastic containers for bottles"  
"Plastics hardware"

with lecture  
by Dr. Messwarb of Farbwerke Hoechst, FRG

3.30 Discussion

Tuesday, 24 November 1970

9.00 Lecture on "Injection moulding today"  
by Dr. H.K. von Hoerde of DEMAG, FRG

Lecture on "Extruded foils"  
by Dr. J. Michallik of DEMAG, FRG

Discussion

Tuesday, 24 November 1970 (cont'd)

- 2.30 Lecture on "Urea formaldehyde foam regarding housing and agriculture"  
by Dr. Laning of UF Chemical Corporation, USA
- 3.30 Discussion

Wednesday, 25 November 1970

- 9.00 Lecture on "Industrial management problems"  
by A.V. Abraham - UNIDO Consultant
- Discussion
- 10.30 Technical Assistance by UNIDO - talks and discussion  
by H. May - UNIDO
- 1.00. Visit to two small scale plastic processing plants

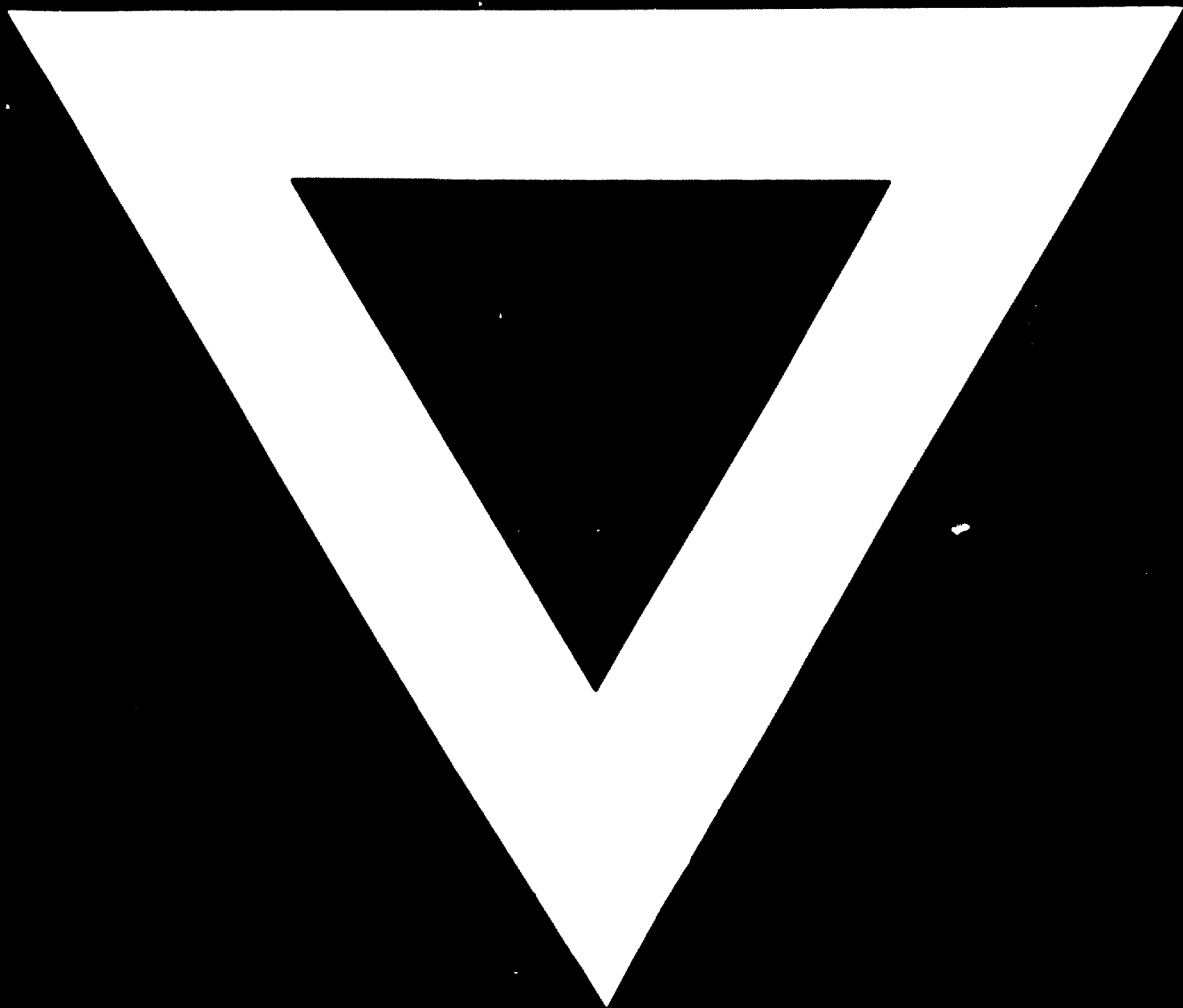
Thursday, 26 November 1970

- 9.00 Lecture on "Multi-layer films"  
by Dr. Koenig of BASF, FRG
- 10.00 Discussion
- 2.30 Lecture on "Blow moulding"  
by Dr. W. Veltner of Dow Chemical Ltd. Zurich, Switzerland
- Discussion

Friday, 27 November 1970

- 9.00 Questions and answers in plastics processing  
by K. Rohé, FRG
- Discussion
- 8.30 Lecture on "New polymers and their uses"  
by Prof. H. Mark of Polytechnic Institute of Brooklyn, USA
- Concluding remarks





**28 . 6 . 71**