

Exhibitions — Expositions — Ausstellungen

OPENING OF THE EXHIBITIONS

The opening ceremony of the exhibitions was held on Tuesday, July 13 at 9 a.m. The President of ISP *Dr. S. G. Gamble* opened the exhibitions with the following words:

Congress Director Löffström, Chairman of the Exhibits Committee Rainesalo, Ladies and Gentlemen:

I much appreciate the honour of being invited to open the exhibition of scientific instruments and technical equipment and materials being displayed at this XIIIth International Congress of the International Society for Photogrammetry. These exhibitions have become an important part of our quadrennial congresses and to a considerable extent help to make attendance at the photogrammetry congress more rewarding than attendance at other photogrammetric meetings.

Every four years we have an unparalleled opportunity of assessing the technological changes that have taken place as reflected in the instruments and equipment that we are so dependent upon. It seems to be that this interval is about right and for the convenience of congress participants, you can look at this remarkable assembly of equipment in a single exhibition building.

Besides showing us their latest equipment, the exhibitors provide the much needed financial support for running our congresses. This they do through the rental charges for space and advertising in the exhibitors catalogue. In recognition of the important role exhibitors play within the ISP we are asking the General Assembly to support a motion recommending the establishment of a new category of membership that will be named Sustaining Member. I believe that once we have this functioning and the exhibitors have selected their spokesman, this formal recognition of exhibitors will work to the benefit of exhibitors and the other participants in our ISP meetings.

The exhibitors will be welcoming us to their party on Monday, July 19, and on behalf of all participants I thank them for their hospitality in advance. I hope that all exhibitors will find that exhibiting at this congress has been an interesting, enjoyable and profitable venture.

I now declare this exhibit open.

The exhibitions were open daily from 9 a.m. to 5 p.m. However, they were closed all day on Sunday, July 18, and at 12 a.m. on Friday, July 24.

EXHIBITION REPORT

Scientific and Member Societies' Exhibition

The aim of the exhibition of the National Member Societies was to demonstrate the development of photogrammetry and related fields, their techniques, history, present situation and future prospects. In the Scientific Exhibition the universities, research institutions and Commissions and Working Groups of the ISP presented their scientific results and research projects.

These two exhibitions took place in the halls of the Main Building of the Helsinki University of Technology. Altogether 21 National Member Societies had their own exhibition panels. About one third of these exhibitors had a fairly comprehensive exhibition showing the fields of photogrammetry from various sides (Canada, Denmark, Finland, Norway, United Kingdom and USA had the most extensive exhibitions). However, most participants of this exhibition concentrated on separate special subjects.

In the Scientific Exhibition altogether 16 institutes and 3 Working Groups or Commissions had their own panels or exhibition stands. Most of the exhibitors were concentrating upon demonstrating the non-topographic applications of photogrammetry. The exhibitions of the National Research Council of Canada, Technische Universität Berlin, ITC and Italian Cadastre should be singled out for special mention.

Commercial Exhibition

The Commercial Exhibition was the widest and most popular of the three exhibitions. It took place in the Athletics Hall Otahalli, about 400 meters from the main building. Altogether 44 Exhibitors had their stands in this exhibition, which covered a total area of 2387 m². The total number of exhibitors consisted of 27 instrument manufacturers, 4 manufacturers of materials and 13 firms providing photogrammetric services.

As to the most interesting novelties in the field of photogrammetric instrumentation, the general course of new equipment manifested itself in the growing use of digital data stores and digital data processing instead of analogue methods. In the exhibition there was only one completely new comparator, the monocomparator PK1 of Carl Zeiss Oberkochen. As the new model MK2 of Kern, it is accurate and easy to use.

In the field of analogue plotting instruments, Wild Heerbrugg was presenting the new stereoplotting system Aviomap/Aviotab. The technical realization of this series of analogue plotters differs essentially from the former Wild plotters. The most significant novelty in the field of analogue stereoplotting is the use of computer assisted automatic plotting tables in connection with a conventional plotter system.

The firm VEB Carl Zeiss JENA had a new automatic plotting system Topomat. The combination of Topocart-Orthophot with the image correlator Oromat allows e.g. automatic preparing of orthophotos.

On the whole the most prominent feature of the exhibition was the large number of analytical plotters. Altogether 9 manufacturers were presenting their products.

The two new instruments which can be pointed out were the Traster 77 of Matra using a screen and polarization filters in the stereoscopic viewing and the Planicomp G 100 of Carl Zeiss Oberkochen.

The trend in the development of producing orthophotos seems to be toward numerically controlled systems. In addition to this, on-line systems more

comfortable to the operator have been developed. The firms Bendix, Wild Heerbrugg and OMI had numerically controlled orthophoto systems and Kern a new OP2 on-line projector using noncontinuous flash light exposure system. In addition to photogrammetric instruments many manufacturers were presenting their geodetic instruments and other instrumentation of related fields. Finally, it should be mentioned that according to the decision of the General Assembly *First*

Vice-President C. A. Tewinkel, with the help of *Mr. K. Rainesalo*, Chairman of the Exhibition Committee, invited the exhibitors to discuss the sustaining membership and the intention to set up a working organ for the exhibitors in ISP. When carrying on with the meeting without the representatives of ISP the exhibitors elected *Mr. H. H. Kähler* of Carl Zeiss Oberkochen their chairman. For the first time the exhibitors were provided with their own lecture hall, where the Exhibitors' Forum took place, close by the meeting halls of the ISP Commissions.

The program of the Exhibitors' Forum

Tuesday 13.7.		Saturday 17.7.	
15.45—16.30	MATRA Mr. Noel Malinge and Mr. Christian Vigneron: "Transfer 77, the new Matra Analytical Stereoplotter"	9.00— 9.45	OFFICINE GALILEO Klaus Henrich: "Simplex G6" Jonathan Hescock: "E.T. System" Jonathan Hescock: "Digital Stereocartograph" Walter Ferri: "Digital SMG 5"
16.30—16.50	KERN & Co AG Jacob Klaver: "New Accessories for Kern PG2 Analogue Stereoplotter"	9.50—10.20	GESTALT INTERNATIONAL LTD Dr. Robert Orth: "Digital Terrain Models from the Gestalt Photomapper 00"
16.50—17.15	Alain Chapuis: "Nouveaux accessoires pour l'appareil analogique Kern PG2"	10.30—11.10	OTTICO MECCANICA ITALIANA Dr. Gino Parenti: "A New Orthoprinter for Production of Orthophotos" A. M. Colla: "The APIC-4, a New Analytical Plotter by O.M.I."
Wednesday 14.7.		Monday 19.7.	
15.45—17.15	VEB CARL ZEISS JENA Dipl.-Ing. H. Schöler: "Fortschritte im photogrammetrischen Gerätebau zwischen Ottawa und Helsinki" Dr.-Ing. O. Weibrecht: "Neue Geräte für die Luftbildaufnahme" Dipl.-Ing. J. Töppler: "Neue terrestrisch-photogrammetrische Geräte" Dipl.-Phys. W. Weigold: "Geodätische Geräte und Zubehör"	9.00—10.30	VEB CARL ZEISS JENA Dr.-Ing. R.-P. Mauk: "Geräte für die Digitalphotogrammetrie" Dipl.-Ing. W. Markwardt: "Orthophot C, Digitalsteuereinheit, Querneigungskorrektor und Stereorthophotoherstellung" Dr.-Ing. habil. K. Szangolies: "Topomat — ein vollautomatische Auswertesystem" Ing. K. Herda: "Automatische Bildanalyse"
Thursday 15.7.		10.45—11.15	AIRCRAFT OPERATING Co. Mr. D. S. Clegg: "A.O.C. Computer Oriented Mapping System"
14.00—15.30	WILD HEERBRUGG AG G. E. Bormann: "Features and Design Parameters of the WILD AVIOMAP System" U. Frey: "WILD AVIOTAB TA — An Electronically Controlled Plotting Table" P. B. Stewardson: "The WILD AVIOPLAN OR 1 Orthophoto System" Dr. J. Höhle: "On some Innovations in Close-Range Photogrammetry"	11.30—12.15	FINNMAP Mr. Harri Leppänen: "MAPS — a System for Integrated Production and Processing of Coordinates"
15.30—16.00	16 mm Tonfilm in Farben (Lichtton) "Wild-instrumente für die Planung unserer Zukunft"	Tuesday 20.7.	
16.00—16.15	Verfilmte Tonbildschau, in Farben (Lichtton) "Mit den Augen der Polizei"	9.00— 9.30	CUBIC WESTERN DATA Douglas Hill: "Information on Our New Infrared Distance Meter, the HDM-70"
Friday 16.7.		9.30—10.00	AGFA GEVAERT Frank Ivens: "Photographie im Dienst der Kartographie"
10.45—11.30	CARL ZEISS OBERKochen Dr.-Ing. D. Hobbie: "C 100 Planicomp, the Analytical Stereoplotting System from Carl Zeiss Oberkochen"	10.45—11.30	KERN & Co AG Alain Chapuis: "Les différents systèmes de restitution semiautomatique Kern AT"
11.30—11.45	Dr.-Ing. R. Schwebel: "The New PK1 Precision Comparator"	11.30—12.15	Jacob Klaver: "The Various Semiautomatic Stereocompilation Systems from Kern"
11.45—12.15	Dipl.-Phys. H.-W. Faust: "The C2 Stereocord — Its Use in Metric Air Photo Interpretation"	14.00—14.15	CARL ZEISS OBERKochen Dr.-Ing. R. Schwebel: "The New Photogrammetric Data Acquisition and Transfer System Ecomat 12"
14.00—14.45	KERN & Co AG Jacob Klaver: "Introducing the Kern OP-2 Orthoprojector and the Kern ER-2 Digitizing Unit"	14.15—14.45	Dr.-Ing. W. Lorch: "Automatic Exposure Control for Zeiss Mapping Cameras"
14.45—15.30	Alain Chapuis: "Le nouvel orthoprojecteur Kern OP-2 et la chaîne numérique ER-2"	14.45—15.05	Dr.-Ing. H.-K. Meier: "The F2 Planitop Topographic Plotter"
15.45—17.15	MATRA — Matra On-line and Off-line topographic Equipments presented by Mr. Christian Vigneron — Matra Télédétection and Remote Sensing Systems and Equipments presented by Mr. Pierre Lagrave — Matra Hologrammetrie Plotter presented by Mr. Gilles de Closmadeuc	15.05—15.30	Dr.-Ing. R. Schwebel: "The DZ 5 Digital Tracing Table"

The Exhibitors' Party, a joint cocktail party of the exhibitors of the Commercial Exhibition was held at Dipoli Restaurant on Monday, July 19. About 1500 guests attended the party sponsored by firms representing appr. 75 % of the total Exhibition space.



Views of the Commercial Exhibition.



The National and Scientific Exhibition in the Main Building of the Helsinki university of Technology.