

INTERNATIONAL SOCIETY FOR PHOTOGRAMMETRY

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THE COMMISSIONS (*See previous page also*)

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Commission III, AERIAL TRIANGULATION—United States of America. President—*Mr. G. C. Tewinkel*, 11612 Michale Court, Silver Spring, Md. 20904. Secretary—*Mr. Marvin B. Scher*, 9701 E. Light Drive, Silver Spring, Maryland. Reporter from U.S.A.—*Mr. Carl J. Born*, Route 4, Box 376A, Vienna, Virginia.

Commission IV, MAPPING FROM PHOTOGRAPHS—Czechoslovakia. Reporter from U.S.A.—*Mr. Edmund S. Massie, Jr.*, 9 Holmes Run Road, Falls Church, Virginia.

Commission V, SPECIAL APPLICATIONS—Japan. Reporter from U.S.A.—*Mr. Marshall S. Wright, Jr.*, 4 Beal Court, Huntington, Long Island, N. Y.

Commission VI, EDUCATION, TERMINOLOGY, AND BIBLIOGRAPHY—Poland. Reporter from U.S.A.—*Prof. Francis H. Moffitt*, 951 Ventura Ave., Albany, Calif.

Commission VII, PHOTO INTERPRETATION—France. Reporter from U.S.A.—*Mr. Jack Gardner*, 11501 Colt Terrace, Silver Spring, Maryland.

TENTH INTERNATIONAL CONGRESS

INTERNATIONAL SOCIETY FOR PHOTOGRAMMETRY

THE TENTH International Congress on Photogrammetry was held in Lisbon, Portugal, September 7–19, 1964. The Portuguese Society of Photogrammetry was host for the meeting, under the sponsorship of the International Society for Photogrammetry. The International Society, which presently includes 47 national member societies, convenes these Congresses every four years, bringing together photogrammetric experts from all over the world, to promote technical interchange and advance understanding of the art and science of photogrammetry.

Headquarters for the Congress was the impressive Feira Internacional de Lisboa (Lisbon International Fair), housing the registration and information facilities, the exhibition, and most of the technical sessions. Some technical sessions and group meetings were held in the nearby Institute of Tropical Medicine. The opening ceremony took place in the Great Hall of the University of Lisbon with the President of the Portuguese Republic and other officials in attendance.

About 1300 persons registered for the Congress, including over 900 delegates in addition to exhibitors and family members. The participants represented a cross section of photogrammetric interests from many parts of the world. There were representatives from national and local government organizations, commercial interests of broadly diversified nature, institutions of higher learning, and those who simply had a deep interest in learning more about this growing science.

TECHNICAL PROGRAM

The organization of a large international technical meeting is difficult because of the geographic separation of contributors, language and cultural obstacles, and a staggering number of scientists seeking a forum to impart and discuss their views. The Tenth Congress was admirably successful in balancing these diffuse factors within a technical program which will require literally months to evaluate.

The technical program in reality was seven technical programs, organized and conducted separately by the seven Commissions, each with its own president. Papers were read in English, French, or German with simultaneous translation to those languages to each member of the audience by means of radio headsets.

In order to assure that important broad areas of subject matter were covered, each technical commission scheduled a number of "Invited Papers" by leaders in the field. Information on the main topics was solicited in advance of the Congress in the form of "Presented Papers," which were used by the authors of the "Invited Papers" to develop their subjects fully. At the technical sessions, only the "Invited Papers" were read in full, while the authors of the "Presented Papers" made appropriate remarks, usually brief, followed by general discussion.

Evaluations of the total impact of the technical sessions were most difficult because of the physical impossibility of attending all sessions. The immense scope of the Congress can be judged, however, from the fact that there were 40 Invited Papers and 172 Presented Papers. Copies of all these papers were made available to each registrant, furnishing a large and valuable source of reference material. Within a year or so, the Archives of the Congress will be published, containing in bound volumes all the papers as well as a complete record of the proceedings.*

EXHIBITS

The large, attractive main exhibition hall of the Lisbon International Fair housed an excellent display of photogrammetric and photographic equipment and procedures, representing forty commercial firms from many countries and sixteen national societies. Several interesting trends could be noted by examination of the exhibits which included analog plotters with digital readouts for semianalytical operations, analytical plotters, high-quality second-order plotters, provision for the increased use of color, super-wide-angle and convergent photography, more automation in stereoplotters, and countless improvements to existing classical instruments. The entire exhibition was one of quality, showing the best of the instrument makers', optical designers', and photogrammetrists' art.

TOURS AND ENTERTAINMENT

A number of tours, both technical and social, were arranged for the participants. Technical tours included visits to the Instituto Geografico e Cadastral and the Servico Cartografico do Exercicio (Government mapping); Aero Topografica Ltd., and Tecnica Aerea e Fotogrametrica Ltd. (private mapping firms); the Laboratorio Nacional de Engenharia Civil; and to the dockyards of the bridge over the Tejo River, presently under construction. Social tours included a bus tour to Sintra, Estoril, and Cascais, a boat trip on the Tejo River, and an evening at the bullfights. In addition to the foregoing, there were receptions, banquets, and ample opportunity for individual arrangements for tours to the many points of interest in and around Lisbon. From a social point of view, the Tenth Congress will be difficult to surpass.

* A list of the titles and authors of the invited papers is included at the end of this report. Also, an alphabetical list, containing the titles and authors of essentially all of the 230 items distributed, can be obtained on request from Sec.-Treas. C. E. Palmer, 6269 Leesburg Pike, Falls Church, Virginia 22044.—*Editor.*

UNITED STATES PARTICIPATION

Members of the American Society of Photogrammetry were involved in depth in every aspect of the Congress. Total participation was large, with the representatives numbering more than 120. President *William A. Fischer* led the official delegation and coordinated its activities. *Albert L. Nowicki*, as President of Commission II, arranged an extensive program for that Commission of which the American Society of Photogrammetry can be proud. Assignment of Commission III to the United States for the next four years and the subsequent appointment of *G. C. Tewinkel* as its President promises another area to which the United States can contribute significantly. The efforts of the seven U. S. reporters to the Technical Commissions were successful in assuring full U. S. participation in the work of all Commissions. In total, the contribution of the American Society of Photogrammetry to the Tenth Congress was one which should be of great benefit both to our Society and to the International Society.

THE ELEVENTH CONGRESS

The Eleventh International Congress on Photogrammetry will be held in Lausanne, Switzerland, in 1968. Several countries vied for the honor of hosting the Eleventh Congress and discussion on the subject, though spirited, was conducted in an exemplary manner. The selection of Switzerland as host country and the appointment of *Ing. Hans Harry* as President of ISP hold promise for an excellent Eleventh Congress.

—*Rupert B. Southard, Jr.*, International Liaison

LIST OF INVITED PAPERS

COMMISSION I

- "Navigation for air survey," *Attwell*
- "Image quality," *Brock*
- "Camera calibration," *Carman*
- "Image location," *Fish*
- "Stereoscopy in photography," *Palmer*
- "New equipment for aerial photography," *Schwidersky*

COMMISSION II

- "Anamorphosis of perspective bundles in photogrammetry," *Carbonell*
- "Automatic photogrammetric instruments," *Esten*
- "Basic geometrical quality of photogrammetric instruments in theory and practice," *Hallert*
- "Report of the Working Group on Fundamental Problems Com. II, and tolerances of photogrammetric instruments and methods," *Hallert*
- "Possibilities for the design of rigid-solution affine plotter," *Hofmann*
- "Techniques for conducting comparative tests of restitution instruments," *Makarovic*
- "Analog (classical) photogrammetric instruments," *Schermerhorn*
- "Analytical photogrammetric instruments," *Schmid*
- "Data processing impact on photogrammetric instrumentation," *Sharp*
- "A few new proposals about mechanical projection computers in photogrammetric stereoplotters," *Scholer*

COMMISSION III

- "Adjustment of strips and blocks," *Ackermann*

- "Aerial triangulation with auxiliary data," *Brandenberger*
- "Triangulation radiale," *Czerski*
- "Photogrammetry applied to three-dimensional Geodesy," *Schmid*
- "Analytical triangulation," *Thompson*

COMMISSION IV

- "The technical and organizational problems of topographical mapping," *Blachut*
- "Photogrammetry and data processing in highway work," *Blaschke, Ternryd, Zarzycki*
- "General presentation of methods of organizing photogrammetric surveys at large scales," *Brandenberger*
- "Cadastral and engineering surveys," *Moller*
- "General presentation of methods of organizing photogrammetric surveys at large scales," *Dubuisson*
- "Photographic identification and interpretation in the photogrammetric mapping process," *Marty*
- "Numerical and analytical photogrammetry at large scales," *Van Der Weele*

COMMISSION V

- "Das Elmitop. Electron-Micro-Topo-Plotter," *Burkhardt*
- "The photogrammetry of the tracks of elementary particles in bubble chambers," *Garfield*
- "Consideration regarding instrumentation commitments to the photogrammetric derivation of rocket flight parameters," *Saint Thomas*
- "Calibration of the Coast and Geodetic Survey satellite—tracking system," *Taylor*

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THE PHOTOGRAMMETRIC SOCIETY, LONDON

Membership of the Society entitles you to the *Photogrammetric Record* which is published twice yearly and is an internationally respected journal of great value to the practising photogrammetrist.

The Photogrammetric Society now offers a simplified form of membership to those who are already members of the American Society.

APPLICATION FORM

To. The Hon. Secretary,
The Photogrammetric Society,
24 Bruton Street,
London, W.1.

I apply for membership of the Photogrammetric Society as,

Member—Annual Subscription—£2 2s. 0d.

Junior Member—Annual Subscription—£1 5s. 0d.

Corporate Member—Annual Subscription—£15 15s. 0d.

I confirm my wish to further the objects and interests of the Society and to abide by the Constitution and By-Laws. I enclose my subscription.

(Surname)

BLOCK LETTERS

(First Names)

BLOCK LETTERS

Profession or Occupation

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Educational Status

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Present Employment

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Address

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Date

Signature of

Applicant

Applications for Corporate Membership, which is open to Universities; Manufacturers and Operating Companies, should be made by separate letter giving brief information of the Organisation's interest in photogrammetry.

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COMMISSION VI

- "A bibliography for computer programming in photogrammetry," *Fagerholm*
- "Glossary of some terms and expressions used in the theory of errors of photogrammetry," *Hallert*
- "Report on photogrammetric education at university level in ISP member countries," *Halonen*
- "Aspects on the problems of photogrammetric terminology," *Mrs. Savolainen*
- "Bibliographie des gesamten Schrifttums auf dem Gebiet des forstlichen Luftbildwesens," *Hildebrandt*

COMMISSION VII

- "The use of aerial photography for the development of soil resources," *Goosen*
- "Photographic description and appraisal of water resources," *Lohman, Robinove*
- "Coordination et planification du developpement des ressources naturelles," *Marinet*
- "Contributions of photo-interpretation to engineering," *Voute*
- "The practice of photo-interpretation in a forest inventory," *Zsilinszky*

PHOTOGRAMMETRIA

Photogrammetria, the official journal of the International Society for Photogrammetry, is an indispensable source of information for all those scientists who are concerned with the preparation of accurate maps from photographs and with making precise measurements on photographs.

Starting with Volume 20, *Photogrammetria* will be published by Elsevier Publishing Company. The scope of the journal is being enlarged to include the field of photo interpretation in such subjects as geology, soils, vegetation, regional geography and planning, ice, archaeology, oceanography and coastal research. *Photogrammetria* intends to present not only the theoretical developments of photogrammetry, but also news about the applications of aerial surveying programs in the various parts of the world, reports about national meetings, congresses and activities of the United Nations and, above all, information about the activities of the International Society for Photogrammetry itself.

As the four-year period between successive international congresses has proved to be too long, one can logically expect activities in the form of regional meetings of the different commissions, symposiums, etc., during the interim periods. It is the intention of *Photogrammetria* to publish news about these meetings and, insofar as possible, also the results. In this way, *Photogrammetria* will provide a current outlook about what is happening all over the world in a manner that can assist all those who are working in the broad field of aerial surveying.

The 1965 *Photogrammetria* now consists of six issues and the annual volume will contain approximately 240 pages.

The annual subscription price is \$6.50. Additional rates for copies sent air mail are furnished on request. Subscriptions can be ordered from: American Elsevier Publishing Co., 52 Vanderbilt Ave., New York 17, N. Y. Advertising rates are available from the publisher. Manuscripts should be sent to: Prof. Dr. Ir. W. Schermerhorn, International Training Center for Aerial Survey, Kanaalweg 3, Delft, The Netherlands.

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Mr. McNeil is a registered Professional Engineer in the State of Maryland and the District of Columbia, a member of the National Society of Professional Engineers, Society of Photographic Instrumentation Engineers, Society of Photographic Scientists and Engineers, and Varsity Club of Syracuse University.

He received the Talbert Abrams Second Honor Award in 1957 and the Third Honor Award in 1961. *End.*