

# Awards, Reports and Speeches Presented at the General Assemblies — Prix, Rapports et Discours Présentés aux Assemblées Générales — Auszeichnungen, Berichte und Ansprachen während der Generalversammlungen

## First General Assembly

### Agenda #4 - Presentation of Awards

#### Presentation of Gamble and Schwidofsky Awards

by 1st Vice President, G. Konecny

##### The Samuel Gamble Award

was established by the Canadian Institute of Surveying and Mapping in 1984 to honor the memory of Dr. Sam Gamble, who was the first Canadian President of the Society from 1972 to 1976. Dr. Gamble, after a distinguished military career joined the Surveys and Mapping Branch of the Department of Energy, Mines and Resources and as its director became instrumental in integrating the advances of the Canadian Surveying and Mapping profession, ranging from education to administration to interprovincial government cooperation to international representation in PAIGH, ISPRS and FIG.

The award, consisting of a certificate, shall be given to one to three persons at each congress. The recipients should, like Dr. Gamble have contributed significantly to the development, organization or professional activities of photogrammetry and/or remote sensing at the national or international level.

The 1992 Sam Gamble Award, shall in consultation with the President of the Canadian Institute of Surveying and Mapping, be granted to 3 individuals:

- Dr. Suvit Vibulsresth from Thailand
- Dr. Maurice Carbonnell from France
- Prof. Gerd Hildebrandt from Germany.

Of the recipients only Kim Suvit has come to the Congress. May I ask him to come forward to receive his certificate through Dr. David Woolnough, President of CISM.

**Dr. Suvit Vibulsresth** is a native of Bangkok. He studied in Japan for his B.Sc., in Canada for his M.Sc. and at Tokyo University for his Ph.D. degree. He joined the Thailand National Remote Sensing Program in 1972. He was responsible for the setup of the Thailand ground receiving station for Landsat in 1981 and its upgrading to receive SPOT and MOS images in 1987. Presently he is deputy director general of the National Research Council of Thailand. In 1980 he organized the first Asian Conference on Remote Sensing in Bangkok with Prof. Murai. Out of this resulted the creation of the Asian Association of Remote Sensing in 1981. In cooperation

with AARS and with UN/ESCAP he conducted many international activities for satellite remote sensing in the South East Asian Region.

Kim Suvit, it is my personal pleasure to congratulate you to receive the award.

May I ask Prof. Armin Gruen to come forward to receive the Award for M. Maurice Carbonnell.

**Maurice Carbonnell** is known to photogrammetrists as the founder of the UNESCO-ISPRS committee for Architectural Photogrammetry, the Comité International de la Photogrammétrie Architecturale, CIPA. While at IGN France in Paris, M. Carbonnell, an established expert in terrestrial photogrammetry, carried out many surveys of cultural monuments, for example those of Abu Simbel in the Nile valley before they were lifted for reconstruction in connection with the building of the Aswan dam. He convinced UNESCO to establish an obligatory international program for documentation on cultural monuments. In this connection CIPA was established in 1972. In the 1980's he became known as head of the Ecole des Ingénieurs Topographes of IGN France and the editor of the Bulletin de la Photogrammétrie et Télédétection. Within ISPRS Maurice Carbonnell was a very active President of Commission V during the period 1968 to 1972.

May I ask Prof. Gruen to convey best wishes to M. Carbonnell.

The third award is given to **Prof. Gerd Hildebrandt**. It will be accepted by Dr. Günter Wolf, on his behalf.

Gerd Hildebrandt is a native of Saxony in Germany. He is a graduate of the Academy of Forestry in Tharandt. When he became professor of Photographic Interpretation in Forestry at the University of Freiburg in Germany in the 1950's he concentrated his work on the use of aerial photography for forestry. In the course of this he became an active participant of the International Union of Forest Research Organizations, IUFRO. In conjunction with IUFRO he participated in technical cooperation projects on tropical forests in India and in other countries. From 1976 to 1980 he was President of Commission VII in ISPRS, organizing the 1978 Symposium in Freiburg which gave cause to ISPRS President Cruset to state in recognition "I am a Freiburger". Since the early 1970's Gerd Hildebrandt was influential in the German remote sensing space efforts and served as President of the German Society from 1980 to 1984.

Dr. Wolf, please extend our best wishes to Prof. Hildebrandt.

## The Kurt Schwidefsky Award

was established by the German Society for Photogrammetry and Remote Sensing in 1988 to commemorate the life of Prof. Schwidefsky. He was a native of Pommerania studying photogrammetry under Prof. Lacman in Berlin in the 1930's. He became employed by Carl Zeiss in Jena. After World War II he was in charge of building up the Carl Zeiss efforts in photogrammetry in Oberkochen. He reconstituted the German Society for Photogrammetry as its first President after the War. He became Professor of Photogrammetry at the University of Karlsruhe in 1960, organizing the Photogrammetric Weeks. From 1964 to 1968 he was President of ISP(RS) Commission II. But his major achievement was perhaps the re-edition of the *German Journal of Photogrammetry*, at that time called B&L, which he brought to high standards.

In 1992 there are two recipients of the Schwidefsky award given for high achievements in publications:

- 1) Dr. Keith Atkinson of the UK
- 2) Prof. Walter Hofmann of Germany.

**Keith Atkinson** is born in Northumberland in the U.K. He became a scholar of Photogrammetry under Prof. Edward H. Thompson at University College, London. Anyone accepted for studies by him, had to be of the highest calibre. The late Thompson, an Honorary Member of ISPRS was instrumental in establishing the *Photogrammetric Record* as a Journal of the British Society for Photogrammetry. Keith Atkinson took over from him becoming Assistant Editor of the Journal in 1965 and Editor in 1976 maintaining and furthering the high standards set by E.H. Thompson. Keith Atkinson served the Society as Secretary of Commission V from 1980 to 1984 and as Treasurer in Council from 1988 to 1992. In this capacity he was editor of a book "*Developments in Close Range Photogrammetry*" published in 1980 and of the Commission V Symposium proceedings in 1982.

It is with great pleasure to ask Prof. Egon Dorrer, President of the German Society for Photogrammetry and Remote Sensing, to present him the Award.



## Acceptance of Schwidefsky Medal

by K. B. Atkinson

Mr. President, Professor Dorrer, Ladies and Gentlemen; I learnt of the award of the Schwidefsky medal with the greatest pleasure and I would like to thank the Deutsche Gesellschaft für Photogrammetrie und Fernerkundung for creating this award in recognition of Schwidefsky's contribution to our subject and for having, on this occasion, seen fit to make an award to me.

My own contribution to writing and editing is chiefly connected with publication of *The Photogrammetric Record*, the journal of the British Photogrammetric Society. I am the fourth editor of the *Record* which is now 40 years old. The founder editor was Peter Mott and his successor was H. A. L. Shewell. Then E. H. Thompson took the editorial chair and I became assistant editor, working with Thompson in that capacity from 1965 until his death in 1976. Since then I have held overall editorial responsibility, ably assisted by Veronica Brown. We have now built up a small editorial team, each member of which has clearly defined responsibility to ensure that future production of the *Record* is in safe hands, just in case the editor should be run over by a bus! I regard this award as a recognition for teamwork. I have been lucky to be the leader.

On 17th March, 1970 Schwidefsky travelled from the University of Karlsruhe to give a paper to the Photogrammetric Society in London. The paper was entitled "Precision photogrammetry at close ranges with simple cameras" and it was published in the *Record* in October 1970. It will repay reading 22 years later, especially within the confines of Commission V. Schwidefsky's conclusions have been fully borne out by developments and progress since 1970.

Schwidefsky's reputation was well known to me as he was the editor of *Bildmessung und Luftbildwesen*, the most senior of the journals in our field. Needless to say, he produced his typescript for me in perfect condition and the 31 illustrations were exactly the correct size for reproduction in the *Record*.

Mr President, I am glad that ISPRS is able to perpetuate the memory of Kurt Schwidefsky and I am particularly happy that you should have associated my name with this award. Thank you much.

*G. Konecny:* The second award goes to **Prof. Walter Hofmann** of Munich, Germany. I was one of his students in Germany, and so was Prof. Dorrer. Walter Hofmann was Professor of Photogrammetry at the Universities of Braunschweig and Karlsruhe in the 1960's and 70's serving as President of the German Society from 1968 to 1972. In 1968 he published the German textbook Finsterwalder-Hofmann on Photogrammetry and became successor of K. Schwidefsky as Editor of *BuL* from 1976

to 1988 jointly with Prof. Albertz, who will receive the award on his behalf. He also published an *Index of B & L* from 1926 to 1990 and was editor of the *Geomorphological Atlas 1:250,000*.

Prof. Albertz, please convey to Walter Hofmann best wishes for his health and receive the award for him through Prof. Dorrer.

## Second General Assembly Agenda #15 - Election of the President

### Address of Incoming President

by *Shunji Murai*

Mr. President, Distinguished Delegates, Ladies and Gentlemen!

I am honored to be elected as the President for the next period of 1992 to 1996. I thank for your support. I did not expect such situation when I was ratified as the Congress Director at the General Assembly in Rio in 1984, because I wanted only to make Kyoto Congress big success. I was elected as the Secretary General at the General Assembly in Kyoto in 1988. At that time I decided that I would accept the position of Secretary General only if the Kyoto Congress was successful.

Now I will accept the seat of President after my hard job as the Secretary General. I am very pleased to continue to fulfil my duty step by step from now on. In the international society, I am no more a Japanese nor an Asian but a cosmopolitan to contribute myself to all people. However, as a Japanese as well as an Asian, I would like to bring a new wind or a new wave to the Society which would be beneficial to the Society.

I would like to try my best as a leader to improve the quality of the Society's activity. In this sense, I would like to have your warm support and kind cooperation for the next four years.

Thank you.

## Third General Assembly Agenda #24 - Reports of Council

### President's report to the General Assembly for the period between the 16th Kyoto and the 17th Washington Congresses.

by *Kennert Torlegård*

Distinguished delegates, advisers and observers.

In many organizations the office of the President is purely honorary. In the International Society of

Photogrammetry and Remote Sensing it is indeed an honor, but the Statutes and Bylaws of the society prescribe a number of things, among them also the particular responsibilities of the President. According to Bylaw XI 5 the President of the Society shall:

- a. preside over plenary sessions for the Congress, the General Assembly, and the Council,
- b. coordinate the activities of Technical Commissions and Working Groups,
- c. represent the Society at international organizations and institutions of interest
- d. communicate with Members, especially about General Assembly affairs.

The particular responsibilities of the other members of Council are also given in the Bylaws. However, Council has sometimes taken the liberty of dividing the duties between themselves differently, when it has found this appropriate.

### 1. Council

Since the last Congress, Council has had ten minuted meetings

- In Kyoto during the Congress
- In Zurich 9-11 November 1988, with Technical Commission Presidents and the past Council and past Technical Commission Presidents.
- In Budapest 13-17 August 1989 in conjunction with the FIG PC Meeting and the ICA conference.
- Extra meeting in Tsukuba 15 May 1990 in conjunction with the Comm IV symposium
- Extra meeting in Manaus 29 June 1990 in conjunction with the Comm I symposium
- In Victoria, British Columbia, 24-25 September 1990 in conjunction with the Comm VII symposium.
- In Valley Forge, Pennsylvania, and Baltimore, Maryland, 22-25 March 1991 in conjunction with the ASPRS annual convention
- In Bournemouth 23 September 1991 in conjunction with the ICA conference
- In Glasgow 23-24 March 1992
- In Cape May 30 July - 1 August 1992 just before the Congress

In addition to these formal meetings parts of Council have met at several and various places such as Cape Town, Helsinki, Baltimore, Bangkok, just to mention a few.

Council has kept close contacts with the Technical Commission Presidents. There have been seven joint meetings with Council and Technical Commission Presidents, namely in Kyoto, Zurich, Budapest, Victoria, Baltimore, Glasgow and now in Washington. The chairperson of the Financial Committee and the Editor-in-Chief of the official journal of the society have been invited to the meetings, too. It has been typical that the joint meeting comes first and then Council has its separate meeting afterwards.

The main issue at the Zurich meeting was to follow up on the resolutions from the Kyoto Congress and General Assembly, and to define terms of reference for the working groups to be established, so as to avoid duplication and gaps of responsibilities between them. Dates, places, and topics of the 1990 intercongress symposia were also ratified.

The Budapest meeting spent much time on the strategies that ISPRS should have in the deliberations and discussions about the Statutes of the International Union of Surveys and Mapping, IUSM. This issue of common interest for FIG, ICA and ISPRS was the reason why Council went to Budapest, as FIG had its PC meeting there and ICA its conference. The IUSM also had Board meetings and a General Assembly there. We did not reach our goals there, but today the Union has a set of statutes and it is active.

The extra Tsukuba meeting had as its major topic a discussion about the strategies for the up-coming negotiations about IUSM statutes to be dealt with by the IUSM Board during the FIG Congress in Helsinki a couple of weeks later.

The extra meeting in Manaus dealt with an interim report by John Trinder, chairperson of the subcommittee for Statutes and Bylaws of the Society. Another issue was the efficiency (or lack of it) of Technical Commissions and their Working Groups.

The Victoria meeting summarized the seven Technical Symposia, and the activities for the two years up to the Congress were outlined. Some changes of chairpersons of working groups were ratified. The division of technical sessions at the coming Congress between the commissions was decided in agreement with the Technical Commission Presidents. The Victoria meeting also accepted the reports of the Statutes and Bylaws Subcommittee and of the Editor-in-Chief. As a follow up of the first one, Council appointed a group to analyze the scientific and technical activities of the Society and to propose a structure of the Technical Commissions and a division of responsibilities between them. Based on the Editor's report, Council decided to invite publishers to present bids for the publication of the ISPRS Official journal.

The Valley Forge meeting was mainly a preparation for the scientific and technical part of the Congress program. Another item was the revised structure of the Technical Commissions. After the Valley Forge meeting Council joined the Technical Commission Presidents in Baltimore and representatives of ASPRS, the host of this Congress.

The Council meeting in Glasgow dealt with matters related to the Congress, such as recipients of awards and citations, policy for voting rights and cancellation of Members with outstanding dues, guidelines for Technical

Commissions and Working Groups. Revision of Bylaws was discussed. Council also reviewed the invitations to host the next Congress, to host Technical commissions, and nominations to Council and Financial Commission. Council ratified new statutes for the Comité International de Photogrammétrie Architecturale, CIPA.

Some issues have always been on the agenda, such as reports of Council members and the financial Commission, invitations to, applications of, and changes of membership, the financial situation, relations with other international organizations.

Two issues have been of particular concern to Council since the last Congress. The first one is the official journal and other publications of the Society, and the second is revision of Statutes and Bylaws.

On the initiative of the past Editor-in-Chief, the late Prof. Dr. Jurgen Hothmer, Council defined the Society's requirements for its official journal, and invited publishers to respond. From some fifteen companies Council then selected four and asked Elsevier, Blackwell, Springer and Wichmann to submit draft contracts for further negotiations. At this stage Jurgen Hothmer unexpectedly passed away, and Council was faced with the problem of finding a successor. In the meantime the negotiations of course had to be tabled. Without going into details, I am now happy to report that the former News Editor David Tait, of Glasgow, U.K., has accepted the position of Editor-in-Chief for the coming four year period. An agreement with Elsevier has been signed for the publication of the ISPRS Journal of Photogrammetry and Remote Sensing up to and including 1996. The Journal is a separate agenda item.

Revision of Statutes and Bylaws has been discussed in detail by Council during the past four years. The subcommittee chaired by John Trinder, Sydney, Australia, has compiled a Position Paper. The ad-hoc group on Technical Commission Structure chaired by Armin Gruen, Zurich, Switzerland, has done good work and reported to Council. The Position Paper by John Trinder and my own comment on it were distributed to members in January 1992. Council does not recommend any changes of Statutes now, but amendments of Bylaws are needed. One issue on which Council could not find any consensus concerns multiple membership from a particular country. Some like to allow several national organizations from a country, others prefer the present structure with only one organization representing a country in the Society. Statutes and Bylaws is a separate agenda item.

## 2. Technical Commissions

It was my privilege to attend all seven Technical Commission Symposia in 1990,

in May	Comm IV	in Tsukuba	Japan
in May	Comm III	in Wuhan	China
in June	Comm I	in Manaus	Brasil

in September	Comm V	in Zurich	Switzerland
in September	Comm II	in Dresden	Germany
in September	Comm VI	in Rhodes	Greece
in September	Comm VII	in Victoria	B.C. Canada

The mid-term symposia were attended by 1529 registered participants in total, and 484 papers and 110 posters were presented.

I learned a lot about photogrammetry and remote sensing and the Society during these symposia, and I am very grateful for the kind hospitality shown to me during these events.

It is not easy to summarize all reports and deliberations from all these symposia, but let me just mention a few things which I regard as highlights. In Comm IV I saw the trend of integrating digital orthophotos from air and space and digital elevation models into geographical information systems. In Comm III very interesting contributions were given on digital image photogrammetry with segmentation, image understanding and automation of information extraction. The advanced theories and formalisms for data structures of geographic and cartographic data bases were also very interesting. In Comm I the development of imaging radar systems indicated possible new avenues for resources and environmental monitoring and for cartography. Comm V had a very well organized symposium with a blend of people from the photogrammetric and machine vision communities, a very promising interaction of disciplines. Comm II has discussed the very interesting development of fully digital photogrammetric work stations. In Comm VI the main interest was on education in a changing society and against a background of changing technology. In Comm VII I found the integration of GIS data into the process of interpretation of digital imagery a promising information systems approach.

Several of the Working Groups have also organized colloquia, seminars, tutorials and so forth. I have had an opportunity to participate in some of them. I attended the following meetings which can serve as examples of ISPRS events:

- the CIPA meeting on architectural and historical photogrammetry held in Rome Italy, October 1989
- the ISPRS WG III/2 on Robust Computer Vision held in Seattle USA, September 1990
- the ISPRS WG VII/1 conference on Physical Measurements and Signatures in Remote Sensing held in Courchevel France, January 1991
- the ISPRS WG II/III on Digital Photogrammetric Systems held in Munich Germany, September 1991
- the joint OEEPE/ISPRS workshop on Map Revision in Oxford U.K., September 1991

Many other working groups arranged successful meetings as well. Please refer to Commission reports to this Congress for further information.

### 3. Other International Associations

During my term as President of our Society I have also been vice-president of the International Union of Surveys and Mapping, IUSM. The management of the Union has dealt with three topics: ratification of statutes, admission of new members, and establishment of working groups. the administration of the Union, since 1989, has been in the hands of Mr. Hugh O'Donnell, EMR Canada, who has full support of the Canadian government. The Union now has four Principal Members, FIG, ICA, ISPRS, and IAG, and one Affiliate Member SORSA. There are three working groups: on GPS, GIS, and Education respectively. A fourth on industrial control measurements is being established. The Union has begun to publish a Newsletter. I attended Union Board meetings in New York 1989, Baltimore 1989, Budapest 1989, Helsinki 1990, Bournemouth 1991, and its first General Assembly in Budapest 1989. I have formally represented the Union on several occasions.

The Union has taken over most of the responsibilities of the Joint Board of Sister societies. Hydrographers and mining surveyors are not yet represented in the Union. The Joint Board has convened in conjunction with the Executive Board of IUSM during the past four years. One of the few remaining tasks of the Joint Board is to collect information on planned meetings, and to try to avoid collisions. It is my estimate that the Joint Board soon will be dissolved.

The Joint Board of Remote Sensing Activities, JOBRESA, was established in 1986 on the initiative of Dr. Gottfried Konecny, then President of ISPRS. Members of JOBRESA meet once a year to coordinate an exchange information about their activities. A Newsletter is circulated. Last year Dr. Dan Rosenholm, Sweden, took over the administration from John van Genderen, The Netherlands. JOBRESA is an ISPRS child and our Society is one of its leading members.

Since 1990, ISPRS has had permanent observer status on the United Nations Committee on the Peaceful Uses of Outer Space, COPUOS. The Committee has two technical subcommittees which also are very important for our Society. Through COPUOS we can work effectively for our mission, to develop international cooperation and applications of photogrammetry and remote sensing. The Society has been represented by Larry Fritz and Gottfried Konecny at three COPUOS meetings. They and I have submitted written statements to the meetings. I consider our affiliation to this UN Committee as one of the more important ones for our Society and for its causes.

ISPRS has also been represented at other United Nations meetings. I attended the UN Cartographic Conference for the Americas in New York in 1989. Gottfried Konecny represented the Society at the UN Cartographic Conference in Bangkok in 1991. I

participated in the UN Expert Meeting on the Development of Knowledge and Skill in Remote Sensing in Developing Countries held in Dundee U.K. in 1989. I appointed Dr. Karl Kraus, Austria to represent ISPRS at the UN workshop on Training and Transfer of Technology in Digital Cartographic Data and Evaluation of Systems for Digital Mapping, October 1990. ISPRS sponsored a session organized by Dr. Gottfried Konecny at the International Space Year (ISY) Conference in Munich, Germany. These are some of our Society's activities within United Nations; there may have been more. Our good relations with UN are also demonstrated by the two UN events at this Congress, the Interregional Seminar for Developing Countries and the International Space Year Workshop.

ISPRS has become an observer of the International Union of Technical Associations, UITA, which has its head office in Paris, France. Contacts have been by correspondence only.

Council has decided to initiate the process of application of associate membership of the International Council of Scientific Unions, ICSU. Dr. Gottfried Konecny has prepared an application.

I have represented ISPRS and spoken at the following events:

- the Xth International Course of Engineering Surveys, Munich, September 1988
- the International Association of Geodesy IAG 125th Anniversary meeting in Edinburgh, U.K., 1989
- the ICA conference in Budapest, Hungary, Aug. 1989
- the FIG Permanent Committee meeting in Budapest, Hungary, August 1989
- the FIG Congress in Helsinki, Finland, June 1990
- the IUGG-IAG Congress in Vienna, Austria, August 1991
- the ICA conference in Bournemouth, U.K., Sep. 1991

As one of the two Swedish delegates of the Steering Committee of the Organization Europeenne de Etudes Photogrammetriques Experimentales (OEEPE), I have been able to give information about our Society at its meetings twice a year.

#### 4. Communication with Members

I have had many invitations to visit Ordinary Members and to attend their meetings, in addition to Council meetings, mid-term symposia, working group seminars, and other international events already mentioned above. It has not been possible for me to accept all invitations, but I have been in:

- South Africa in March 1989 for the CONSAS - 89
- USA for the ASPRS annual conventions 1989 & 1991
- the former German Democratic Republic in May 89
- the former USSR for two weeks in August 1989
- Brazil July 1990
- Austria August 1991

- Finland November 1991
- U.K. September 1991 and March 1992
- Spain March 1992
- Germany (and the former FRG) at several occasions
- and of course Sweden

I am very grateful for the hospitality shown to me and the Society on these occasions.

In addition to these personal contacts there has been a fair amount of correspondence. This report has letter number 572 and the last before the Congress has number 601. Not all letters relate to Ordinary Members of course. The postage amounts to the equivalent of 3800 Swiss Francs. I have used fax and telephone as means of communication more and more and the cost for these is likely to be higher than that for mailing. The files of incoming and outgoing correspondence during my terms as Secretary General and President now occupy more than seven meters of bookshelves.

Communication to Members is also done through the official Journal of ISPRS *Photogrammetry and Remote Sensing*. The late Prof. Dr.-Ing. Jurgen Hothmer changed and improved the style and contents of the journal and, to help the Editor-in-Chief, there are now section editors for news, reports and book review. The name of the journal was changed from *Photogrammetria* to the *ISPRS Journal of Photogrammetry and Remote Sensing*, shortened *Photogrammetry and Remote Sensing*. During the past Congress period much effort has been given to the Journal. Draft contracts with four publishers have been negotiated. An agreement with Elsevier has been made. A new business plan for the Journal is being discussed. The former Editor, Dr. J. Hothmer, the new Editor David Tait, the Treasurer Keith Atkinson who has long experience of editing a scientific journal, and I were involved in many deliberations and talks to arrive at the present stage. Ordinary members are asked to encourage their individual and corporate members to subscribe to the official ISPRS Journal. With six issues per year and six weeks press time for news and reports, the Journal can offer a very good means of communication. Officers of the Society will be requested to submit news and reports, and a wide circulation will improve the communication from and within our Society. The Editor-in-Chief will report separately to the General Assembly.

#### 5. Awards

The Society has 5 Awards. Council selects the recipient of the Brock Gold Medal. The president of the society is Chairman of the jury of the Otto von Gruber Award, the Schwidewsky Medal, and the Schermerhorn Awards. Council nominates 2 of the 3 members of the jury of the Sam Gamble Award. The regulations of the Schermerhorn Award have been revised.

A new type of award was introduced since the last congress, namely, "Best Paper by Young Author". The

Japan Society for Photogrammetry and Remote Sensing donated 10,000 SW Fr. Council decided to use this gift to encourage young people to present papers and attend the Congress by giving four ISPRS awards of 2500 Sw Fr. each. The Swiss Society also has given four Commission V Best Paper Awards of 2500 Sw Fr. each. 59 papers were submitted before the deadline. Council members and Technical Commission Presidents received about 4 papers each for evaluation. From 14 papers I selected the 4 winners of the ISPRS Awards. I was assisted in my selection by Prof. Armin Gruen and Prof. Einari Kilpela. The 4 winners of the commission V Awards were selected by a jury of three: Prof. Armin Gruen, Dr. Clive Fraser and myself.

#### 6. Acknowledgement and Thanks

I think it is fair to say that I have used my time during the past four years in three almost equal shares: one for ISPRS, one for central management of my university, and one for my department as professor. I also think it is fair to say that I have on average worked 50% overtime, which means that I have served the Society with the equivalent of two man-year of work as President since the last Congress. At the same time I have had secretarial and administrative support at the Department of Photogrammetry amounting to, maybe, 1, 5 man-years for the period since Kyoto. I am grateful to my colleagues at the department and to the Royal Institute of Technology that my international activities have been looked upon with a very positive attitude. Many thanks also go to the secretaries who have helped me in many ways.

I have also been happy to receive cash funds from the Royal Institute of Technology, KTH, the Chancellor of Universities and Colleges, UHA, and from the Swedish Society for Photogrammetry and Remote Sensing, SSFF. This financial support is gratefully acknowledged. In addition to the domestic funds I have also used ISPRS money.

#### Summary of expenditures:

KTH	35,000 SEK	equivalent to	8,700 Sw Fr
KTH	48,000		12,000
UHA	15,000		3,700
SSFF	30,000		7,500
ISPRS	<u>174,000</u>		<u>43,500</u>
Sum	302,000 SEK		75,400 Sw Fr

Most of the domestic funds have been used to cover travelling and accommodation costs. The ISPRS funds have been used as follows:

Travel and accommodation	34,000 Sw Fr
Postage	3,800
Office, representation & others	<u>5,700 Sw Fr</u>
	43,500 Sw Fr

I have as a rule charged ISPRS only for air fares, hotels and direct expenses, but no per diem reimbursements.

It has, generally speaking, been very rewarding to serve the Society as President. Sometimes I have had difficulties to find time to do all the things I would like to do for the Society. I can assure you that I could easily have spent all my time on ISPRS affairs, and still have found that important and reasonable things remained to be done. Four years in office sounded like a long term, but today I have to say that they flew away very quickly. In the meantime I have enjoyed the good teamwork in Council. I want to thank all its members, the members of the financial Commission and the Editor of the official Journal for stimulating and constructive cooperation. I think we can conclude that the Society is in good shape and that it has a role to play on the international scene. We may not have been able to satisfy certain wishes that somebody regarded as very important, but it is my hope that the Members of ISPRS are satisfied with the major part of our administration of the Society.

As President I have had many opportunities to meet photogrammetrists and remote sensing experts and to listen and learn and to discuss scientific and technical matters of our disciplines and their role and relations to other parts of the surveying and engineering sciences. I am very grateful for this experience, and for all good relations and friendships that have developed during these four years.

Thank you for your attention.

## Secretary General's Report

by *Shunji Murai*

### 1. Roles of Secretary General

According to the Statutes and Bylaws of ISPRS, the roles of the Secretary General are as follows:

- Arrangement of General Assembly, Council Meeting and Plenary Session of the Congress with the agenda and the minutes
- Communication with ISPRS members
- Report of Technical Commission's activities
- Arrangement of the joint meetings with Council and Technical Commission Presidents
- Management of the Archives and the official journal
- Announcement of nomination and proposal and its report of the decision
- Check of voting rights

### 2. Member Status

All members including ordinary members, regional members, sustaining members and honorary members have been listed in the member list which were published in 1989, 1990 and 1991/1992, three times in the four year period and distributed to the members by the Secretary General.

It should be noted that for about one third of the members, there is a lack of communication with no response for updating the member list and mail votes. It was found that there is a high correlation between no response manner and no payment of the member fee.

a. Ordinary Member

During the four year period for 1988-1992, the following members were newly admitted as Ordinary Member by mail vote.

Vietnam Category 1 September 1, 1989  
Zimbabwe Category 1 September 30, 1990  
Brunei Category 1 November 20, 1991  
Zambia Category 1 November 20, 1991

As German Democratic Republic merged with Federal Republic of Germany, the two societies were unified into a society in the name of Deutsche Gesellschaft fuer Photogrammetrie und Fernerkundung (DGPF) with category 7 in January 1991. The USSR reported a change of the name to Russian Federation in 1992.

As of the end of July 1992, there are 84 ordinary members with 219 voting rights in total (the sum of categories) as listed in Table 1.

b. Regional Member

There has been no change for Regional Members. However there was no response from OACT.

c. Sustaining Member

Fourteen Sustaining Members withdrew and four new Sustaining Members joined in the four year period. Therefore there are twenty Sustaining Members at present.

It should be noted that the decrease of Sustaining Members is very serious for financial support to ISPRS activity.

d. Honorary Member

Professor L. Solaini passed away during the four year period. Therefore there are six honorary members with one vacancy.

**3. Council Meetings**

Seven regular council meetings and three extra council meetings were held in the four year period as listed in Table 2. The minutes were drafted and compiled by the Secretary General and distributed to the members. The council meetings used to be participated by the council members, the chairperson of Financial Commission, the chief editor of the ISPRS official journal, and/or the past president. 124 actions in total were executed by the council members in the four year period.

**4. Joint Meetings of Council and Technical Commission Presidents**

In conjunction with the council meetings, seven joint meetings were held as listed in Table 2. Such regular joint meetings became the custom from this four year period which resulted in a very useful communications between Council and Technical Commission Presidents.

**5. Mid-term Symposia**

The seven technical commissions held symposia in 1990 as listed in Table 3. In total there were 1,529 participants and 594 presented papers including poster papers.

**6. Publications**

The following were edited and published by the Secretary General.

- a. Silver Book including the organization, Statutes and Bylaws, Guiding Rules etc.
- b. Member List (1989, 1990, 1991/1992)
- c. ISPRS Folder (two versions)
- d. Guidelines for Organizing Working Groups (approved by Council and Technical Commission Presidents on March 23, 1992)

**7. International Activities of Secretary General**

The Secretary General has been abroad 42 times in the four year period out of which ten times were related to ISPRS and seven times to AARS (Asian Association on Remote Sensing; a regional member of ISPRS).

As the Secretary General of ISPRS is also General Secretary of AARS, he has contributed to the activities of AARS including organization of Asian Conference on Remote Sensing on an annual basis and publication of a book on "Applications of Remote Sensing in Asia and Oceania" which was printed in 1991 in the name of the editor.

**8. Acknowledgement**

Appreciation is expressed to the Japan Society of Photogrammetry and Remote Sensing which provided support of about 100,000 Sw. Fr. for the four year period for travel expenses and other secretarial work. Great thanks shall be given to Ms. Chiwako Fujino, my secretary, for her intensive and voluntary work with a lot of overtime.

Finally the ISPRS Officers shall be thanked for their kind assistance and cooperation with the Secretary General.



**Table 1A - Ordinary Members (84 members as of July 1992)**

Algeria	(3)	Hungary	(4)	Philippines	(1)
Argentina	(2)	India	(1)	Poland	(3)
Australia	(5)	Indonesia	(4)	Portugal	(2)
Austria	(4)	Iran	(1)	Qatar	(1)
Belgium	(4)	Iraq	(1)	Romania	(1)
Bolivia	(1)	Ireland	(2)	Russian Federation	(8)
Brazil	(8)	Israel	(2)	South Africa	(5)
Bulgaria	(3)	Italy	(5)	Spain	(4)
Burkina Faso	(1)	Japan	(7)	Sri Lanka	(3)
Brunei	(1)	Jordan	(4)	Sudan	(1)
Canada	(8)	Kenya	(1)	Suriname	(2)
Chile	(1)	Korea	(2)	Sweden	(5)
China	(6)	Kuwait	(2)	Switzerland	(4)
China Taipei	(3)	Libya	(1)	Syrian Arab Rep.	(3)
Colombia	(2)	Madagascar	(1)	Tanzania	(1)
Congo	(1)	Malawi	(2)	Thailand	(1)
Côte d'Ivoire	(1)	Malaysia	(1)	Tunisia	(1)
Cuba	(1)	Mexico	(2)	Turkey	(2)
Cyprus	(2)	Mongolia	(1)	United Arab Emirates	(1)
Czechoslovakia	(3)	Morocco	(3)	United Kingdom	(6)
Denmark	(3)	Myanma	(2)	Uruguay	(1)
Egypt	(1)	Nepal	(1)	USA	(8)
Ethiopia	(1)	Netherlands	(4)	Venezuela	(2)
Finland	(5)	New Zealand	(2)	Vietnam	(1)
France	(6)	Nigeria	(3)	Yugoslavia	(2)
Germany	(7)	Norway	(3)	Zaire	(1)
Greece	(2)	Pakistan	(1)	Zambia	(1)
Hong Kong	(2)	Peru	(1)	Zimbabwe	(1)
The total number of members = 84 members					
The total number of votes = 219 votes					

**Table 1B - Regional Members (5 members as of July 1992)**

AARS:	Asian Association on Remote Sensing
EARSeL:	European Association of Remote Sensing Laboratories
OACT:	Organization Africaine de Cartographie et Teledetection
OEEPE:	Organisation Europeene d'Etudes Photogrammetriques Experimentales
SELPER:	Sociedad de Especialistas Latinoamericanos en Percepcion Remota

**Table 1C - Sustaining Members (20 members as of July 1992)**

Aerodata-Aerofotogrammetria	Brazil	Intergraph Corporation	USA
Aerofoto Cruzeiro	Brazil	INPE	Brazil
Agfa-Gevaert N.V.	Belgium	Kimoto & Co., Ltd.	Japan
Asia Air Survey Co., Ltd.	Japan	Kokusai Kogyo Co., Ltd.	Japan
Carl Zeiss	Germany	Kucera and Associates Inc.	Brazil
Carl Zeiss Jena	Germany	Leica Heerbrugg AG	Switzerland
DLR	Germany	Matra MS2i	France
Finnmap Oy	Finland	Optronics Inc.	USA
Galileo Siscam	Italy	Agusta OMI	Italy
Image Interpretation Systems	USA	PASCO Corporation	Japan

**Table 1D - Honorary Members (6 members as of July 1992)**

M. Jean Cruset (France)	M. Georges de Masson d'Autume (France)
Dr. Frederick J. Doyle (USA)	Mrs. Aino Savolainen (Finland)
Prof. Placidino Fagundes (Brazil)	Prof. Wang Zhizhou (China)

**Table 2 - Council Meetings and Joint Meetings of Council and Technical Commission Presidents**

<u>Council Meetings</u>	<u>Joint Meetings</u>	<u>Place</u>
July 8, 1988	July 8, 1988	Kyoto
November 11-12, 1988	November 9-11, 1988	Zurich
August 16, 1989	August 14-15, 1989	Budapest
May 15, 1990 (extra)		Tsukuba
June 29, 1990 (extra)		Manaus
September 21, 24-25, 1990	September 21-22, 1990	Victoria
March 22-24, 1991	September 21-22, 1991	Valley Forge / Baltimore
September 23, 1991 (extra)		Bournemouth
March 25, 1992	March 23-24, 1992	Glasgow
July 29-31, 1992	August 2, 1992	Cape May / Washington D.C.

**Table 3 - Mid-term Symposia held in 1990**

<u>Date</u> <u>Venue</u>	<u>Main Theme</u>	<u>Participants</u> <u>Presented papers</u>
Commission I June 26-29 Manaus, Brazil	How can remote sensing help the Amazonia?	208 40
Commission II September 9-12 GDR	Progress in data processing and analysis.	80 60
Commission III May 22-25 Wuhan, China	Progress in data analysis.	115 40
Commission IV May 15-18 Tsukuba, Japan	Cartographic and database application of photogrammetry and remote sensing.	322 93
Commission V September 4-9 Zurich, Switzerland	Close range photogrammetry meets machine vision.	309 165
Commission VI September 13-15 Rhodos, Greece	Modern trends of education in photogrammetry and remote sensing.	83 26
Commission VII September 18-21 Victoria, Canada	Global and environmental monitoring techniques and impacts.	400 170
Total number of participants	=	1,529
Total number of presented papers (including 110 posters)	=	594

## Treasurer's Report 1988-1992

by Keith Atkinson

My predecessor, Giovanna Togliatti, transferred the ISPRS accounts on 15th September 1988. During the period of my responsibility, dealings with the Society's bank, Union des Banques Suisses in Lugano, have been efficient. Except for one payment received in March 1989, it has been possible to identify all payments received, though a knowledge of world geography has sometimes been an advantage. **Members should endeavor to identify their payments clearly**, though I realize that the banking industry does not always carry out every instruction. More than 400 transactions have been completed during the period. I support most strongly the statement of my predecessor that **the bank account of the Society should remain unchanged** despite changes in Society officers. In this way, continuity of arrangements is maintained for the convenience of members of ISPRS.

I should like to reiterate the plea, made in Kyoto in 1988, that **subscriptions should be paid by bank transfer in Swiss francs**. The receipt of cheques, whether in Swiss francs or some other currency, does incur bank charges and therefore loss of income to the Society.

At the time of writing (13th July 1992), more than Swiss francs 13000 was owed to the Society in unpaid subscriptions since 1988 and up to and including 1991. 31 members are responsible for this debt. The majority of these defaulting members received a specific request for payment, dated 25th September 1991, in addition to at least two invoices in each year. Most of them failed to reply to my letter. It is unfair on those members who do pay, punctually and in full, that such a significant minority should add to the financial burden of the Society and to the workload of the Society's officers.

I would like to record my appreciation of those many members who have paid subscriptions without reminders. Their excellent response has helped to make my task easier and my time as ISPRS Treasurer as pleasant as possible.

Funds at 31st March 1992	Swiss fr
Current account	98918.66
Value of 758 Sw fr bonds	140230.00
Sub-accounts (3)	<u>5351.11</u>
	<u>244499.77</u>

## INCOME AND EXPENDITURE ACCOUNT

1st April 1988 - 31st March 1992

INCOME:	Swiss francs
Subscriptions from:	
Ordinary Members	157989.56
Sustaining Members	52916.60
Regional Members	1002.25
Investment interest	25444.50
Gift from Japanese Society (JSPRS)	10000.00
Funds returned by:	
Blachut	2686.00
Lindig	2881.00
Trinder	769.69
	<u>253689.60</u>
EXPENDITURE:	
Hotel and travel expenses	
1984-88 Council	12139.10
1988-92 Council	64928.00
Ad hoc Committee	11256.90
IUSM WG Chairman	1468.75
Editor, <i>ISPRS Journal</i>	1148.95
Kyoto Congress	4465.20
Payments to administration sub-accounts	
President	20720.00
Secretary General	39240.00
Other administration	942.45
Subscriptions to	
IUSM	2794.00
UNESCO NGO	321.00
JOBRESA	257.90
Payments to Elsevier for <i>ISPRS Journal</i> for	
Honorary Members	3419.75
WG Chairperson	606.40
Investments in 103 Swiss franc bonds	19311.90
Bank charges	1617.25
Returned cheque	253.50
Refund of overpaid subscription	1000.00
	<u>185891.05</u>
Excess of Income over Expenditure	<b>67798.55</b>

Funds at 1st April 1988	Swiss fr
Current account	31120.11
Value of 655 Sw fr bonds	139500.00
Sub-accounts (3)	<u>18998.20</u>
	<u>189618.31</u>

The difference of current account holdings is equal to the excess of income over expenditure shown in the Income and Expenditure account.

## Congress Director's Report

by Lawrence W. Fritz

Distinguished delegates, advisors and observers;

When, at the 1988 Kyoto Congress the USA proposed to the General Assembly its desire to host 17th Congress not all of its membership recognized how formidable and different the task would be. Since the 1960's the host society ASPRS and its sister organization ACSM have had a legacy of annually staging a Spring Conference attracting up to 7,000 attendees or more. Given that 1992 is proclaimed as the International Space Year and the 500th Anniversary of Columbus' voyage, the ASPRS leadership expressed strong desire to offer a unified locale for staging its Annual ASPRS/ACSM Conference, the 17th ISPRS Congress and the 27th IGC Congress. These desires plus: the subsequent offer to host what may well be considered the first IUSM Congress; joint efforts with the UN to conduct a UN/ISPRS Interregional Seminar and a UN/ISPRS ISY Workshop; noting that the Federal government had recently changed its policy toward professional societies and no longer offers to support with funds or volunteers; experiencing the worldwide economic recession that caused many companies to reduce their exhibition and show support; acknowledging that ASPRS had just purchased a new headquarters and could not provide seed funding; all coupled with the fact that only a few committee members had ever attended a Congress, did create challenges.

### 1. Venue

The Washington, DC Convention Center was chosen for several reasons. Its meeting rooms are ample, all air conditioned with three adjacent halls for concurrent sessions. The 15,000 m<sup>2</sup> Exhibition hall has ideal facilities for participating commercial firms. The Washington, DC region, in addition to offering its tourist attractions as the Nation's Capital, is the headquarters for all Federal government mapping, charting, geodesy, remote sensing and space agencies. Plus it has numerous commercial firms and scientific institutions available for technical tours and visits; and ASPRS headquarters is located nearby. A modern, safe Metro subway system makes local transportation, sights, shopping and innumerable hotels readily accessible.

In late 1988 an intersociety agreement was coordinated with the 27th International Geographical Congress (convening 9-14 August) and the ASPRS to conduct concurrent conferences with the ISPRS managing a common exhibition for all. In 1990, the ASPRS/ACSM decided to convene their annual conference during 3-8 August on the theme "Global Monitoring" and invited Resource Technology '92 to join them.

### 2. Registration & Budget

A low registration fee of \$300 was established to give an opportunity for delegates and participants from all economic conditions to attend. To maximize opportunities for registrants it was agreed to offer a \$150 crossover fee to get full registration for the 27th IGC or Global Change Conferences. As of 23 July pre-registration figures were:

Full registrants	1305
Students	74
Seniors over 65	36
Accompanying Persons	140
Committee & Society Staff	<u>130</u>
Total	1685

Countries Represented 74

Plus: Tutorial-1 only 5  
Exhibition Attendants 860

The total budget is roughly \$2.5 million with allocations as follows:

Income:	Exhibition	47%
	Registration	21%
	Grants & Donations	26%
	Archive Sales	6%
Expenses:	Printing & Publicity	22%
	Facilities & Interpret.	15%
	Social	17%
	Administration	15%
	Registration	7%
	Develop Cntrys & Protocol	6%
	Other	18%

Special funding was budgeted to provide limited support for more than 60 attendees from developing countries. Additional support was solicited and participants were sponsored in part or full from the United Nations; Energy, Mines & Resources Canada; and US AID.

### 3. Publications & Publicity

The First Announcement was prepared in the 3 official languages and 50,000 copies were distributed in January 1990.

Other announcements and publications included:

Exhibition Call Brochure	5,000	May 1990	8 pp
Call for Papers	40,000	Apr 1991	6 pp
Second Announcement	40,000	Aug 1991	44 pp
Preliminary Program	28,000	May 1992	104 pp
Final Program	4,000	Aug 1992	96 pp
Exhibition Guidebook	7,000	Aug 1992	104 pp
List of Registrants	3,000	Aug 1992	96 pp

Numerous publicity sheets and 2 posters were also printed and distributed.

#### 4. Archives

At the Kyoto Congress the Congress Director was tasked to develop a solution to decrease the length, size and weight of the **International Archives of Photogrammetry and Remote Sensing**. As a result the **ISPRS Guidelines for Authors** was written that will reduce length by about 40% without loss of content. To achieve this requires use of oversize manuscript paper, 12 pitch 2 column format, and limitations on manuscript length (8pp with 16pp for invited). In addition, the 2nd Edition of the **Manual for Presentation of Technical Papers at ISPRS Congress and Symposia** was prepared. In June 1989, both new documents were reviewed and translations (English, French, German, Chinese, Japanese, Greek, Portuguese) provided by the Technical Commission Presidents. National Reports are included with papers of Commission VI.

The **International Archives, Volume XXIX, Part B** have been printed (A4 format) in individual books for each Technical Commission. Subject matter keywords were requested with each paper and are included for each book to assist researchers. In addition a separate booklet containing all keywords cross-indexed for all books, plus a comprehensive index to all authors and coauthors has been produced.

Commission	Volume No.	No. of Papers	No. Pages
I	Vol. 29 Part B1	57	351
II	Vol. 29 Part B2	113	650
III	Vol. 29 Part B3	159	997
IV	Vol. 29 Part B4	177	1019
V	Vol. 29 Part B5	150	960
VI	Vol. 29 Part B6	77	415
VII	Vol. 29 Part B7	192	1050
All	Keyword/Author Index	925	46
IUSM	IUSM WG Sessions	21	123
Totals	9 books	946 papers	5611 pp

The IUSM Working Group Session papers (which include some ISPRS papers) using the **ISPRS Guidelines for Authors** were similarly produced into a single book.

In total, 946 manuscripts were accepted by June 2 and are printed in the above books. An additional 51 late manuscripts were received at least 18 days after the widely-publicized deadline and will not be published.

#### 5. Papers

Given advice from previous Congress Directors and Council, it was decided that all abstracts be submitted to the Congress Director for data entry, classification and assignment to Commissions. A listing of 117 keywords was developed with Commission Presidents and served as an initial classifier for Commission assignments. Upon abstract data entry, each author was mailed an

authors kit containing **ISPRS Guidelines, Manual for Presentation**, manuscript paper, etc. The system worked well and all papers were continually maintained and coordinated. In total, 1608 abstracts were received and logged, plus an additional 35 more were received but returned having missed all submission deadlines by over a month. The paper assignments with respect to Commission and category were:

Paper Category	Commission								
	I	II	III	IV	V	VI	VII	IUSM	Other
Invited	20	11	8	10	16	6	19	37	35
Presented	21	40	34	46	66	21	73	-	-
Poster	38	85	137	161	91	50	227	-	-
Exhibitor	4	29	1	3	12	-	-	-	-
Panel	9	-	-	-	5	6	-	-	-
Archives	1	5	16	6	1	32	5	-	-
Rejected	12	33	40	36	33	8	59	-	-
Total	105	203	236	262	224	123	383	37	35

The 'Other' column includes tutorial, workshop and UN papers. Abstracts were received from 76 different countries.

#### 6. Scientific & Technical Sessions

In all a total of 130 sessions were convened. Nine poster sessions with 90 poster capacity were available. Five 90 minute time slots were scheduled daily. In general; three concurrent sessions, one with simultaneous interpretation, were offered in each of three time slots; poster and special sessions were offered in a fourth slot; and exhibitor showcase sessions convened in the midday time slot. All session time slots were allocated to avoid subject matter conflicts. Session responsibilities were allotted as follows:

	Technical		Poster	
	Technical Sessions	Session papers	Poster sessions	Session papers
Com. I	8	39	5	38
Com. II	10	51	6	85
Com. III	9	46	9	137
Com. IV	11	56	7	161
Com. V	17	76	6	91
Com. VI	5	29	4	50
Com. VII	16	77	7	227
Total	76	374	9	789

	Sessions	Papers
Special	1	8
IUSM	9	45
UN Seminar	3	6
UN Wkshop	4	13
Tutorials	3	15
IUFRO	4	12
JOBRESA	2	9
Plenary	5	20
Exhib Shcase	7	30
Business Mtg	7	-
Total	45	158

**Combined totals:**  
130 Sessions  
1321 Presentations  
946 Printed in Archives

## 7. Innovations

The following new activities were innovated at the Congress.

- ISPRS Guidelines for Authors using oversize manuscript paper
- Keyword cross indexes to all printed manuscripts
- Complete preliminary program distributed in advance
- Single collection point for all abstracts
- Single printing of manuscripts (no late volume)
- Daily Exhibitor Showcase technical sessions
- Publication of IUSM Working Group sessions

## 8. Scientific & National Exhibition

68 panel exhibits were prepared by 41 countries or scientific organizations.

Countries: Switzerland, China-Taipei, Greece, Ghana,

Mongolia, Japan, South Africa, USA, Australia, United Kingdom, Turkey, France, Norway, Sweden, Mexico, Brazil, Spain, China, Finland, Jordan, Bulgaria, Poland, Hong Kong, Czechoslovakia, Romania, Netherlands, India

Organizations: PAIGH, OEEPE, ICA'95, Naval Research Lab, ETH-Zurich, NCGE, Univ. of Wisc., Univ. College London, Res. Inst. of Surv. & Mapping-China, Ohio St. Univ., Wuhan Tech. Univ., Council of British Geog., American Geological Inst., Inst. Cartografic de Catalunya

## 9. Commercial Exhibition

132 companies and organizations are represented occupying a total of 4,780 m<sup>2</sup> net space. The exhibiting companies and their net space:

	<u>sq. ft.</u>		<u>sq. ft.</u>		<u>sq. ft.</u>
1. ACSM	2000	42. ESRI	1200	83. Leica Inc.	2000
2. Advanced Imaging	100	43. European Space Agen.	100	84. MacDonald Dettwiler	100
3. AGFA-Gevaert NV	600	44. FIG	100	85. Madrid Conven.Bureau	100
4. Agusta-OMI	300	45. Galileo Siscam SPA	1600	86. Magellan Systems	100
5. Altek Corp.	100	46. Geo Info Systems	100	87. Maspar Computer Corp.	100
6. Amer. Tech. Mktg.	100	47. Geodetic Serv. Inc.	300	88. Matra Div. Optique	100
7. Analy. Spectral Dev.	100	48. Geodetical Info.	100	89. Michael Baker Jr.,Inc.	100
8. APY Photogr. Syst.	100	49. Geometric Comp.Ser.	300	90. MRJ Inc.	100
9. Ashtech	400	50. Geonex Corp.	200	91. NASA	400
10. ASPRS	1600	51. GeoResearch	100	92. NASA/Goddard SFC	100
11. Assoc.of Amer. Geog.	100	52. Geospan Corp.	600	93. Natl. Geogr. Society	400
12. ASTOFO	100	53. GER Corp.	200	94. NEC	100
13. Autodesk	600	54. GIS World	200	95. New Orleans-1993	100
14. Barco Graphics	100	55. GIS/LIS '92	100	96. Nikon, Inc.	100
15. Bureau of Census	100	56. Government Technology	100	97. NOAA	600
16. Carl Zeiss Inc.	2000	57. Grumman Data Systems	300	98. Omni Opt.Prod.Inc.	100
17. Ctr. for Rem. Sensing	100	58. GTCO Corp.	100	99. P.O.B. Publishing	300
18. Chadwyck Healey Inc.	100	59. Guilford Publications	100	100. PCI Remote Sensing	200
19. Chicago Steel Tape	100	60. Harris Corp., GISD	100	101. Pentax Corp.	600
20. CIRRUS Technology	100	61. Hauts Monts	100	102. Ph.D.Associates	100
21. Colenta America	100	62. Hughes Info. Tech.	600	103. Plus III Software	200
22. Consorzio Comp. Aeron.	100	63. IBM Corp.	100	104. Precision Photo Lab.	200
23. Cymbolic Sci. Int'l.	400	64. IDRISI Project	100	105. ProfessionalSurveyor	100
24. DAT/EM Syst. Int'l.	300	65. IGI	400	106. Qasco Analy.Syst.	200
25. David White, Inc.	200	66. Image Graphics Inc.	200	107. Radarsat Int'l.	100
26. DMA	100	67. Image Interp. Syst.	100	108. Ramtek Corp.	400
27. Design Data Inc.	200	68. Info. & Graphics Syst.	100	109. Resource Technology	100
28. DIPIX Tech. Inc.	100	69. INPE	400	110. RESTEC	100
29. E. Coyote Ent.	200	70. INPHO GmbH	200	111. Richards Corp.	100
30. Earth Obs. Magazine	100	71. Intera Info. Tech.	100	112. Rutgers Univ. Press	100
31. Earth Resource Mpg.	100	72. Intergraph Corp.	2500	113. Schneider Corp.	200
32. Earth Satellite Corp.	100	73. Interntl.Imag.Syst.	400	114. SECO Manuf.	100
33. Eastman Kodak	1200	74. Int'l.Map Dir. Assn.	100	115. SOKKIA	400
34. Egoltronics	100	75. Internl.MapDesignComp.	400	116. Spectra Physics	100
35. Extron Appl. Imaging	200	76. ISM Int'l.Systemp	400	117. Spot Image	600
36. Electr. Photo Controls	100	77. ISPRS Journal/Elsev.	100	118. Tangent Engineer.Inc.	100
37. Engy, Mns, Resourc Can	200	78. ITRES Research	100	119. Taylor & Francis	100
38. Engineering News Rec.	100	79. John E.Chance &Assoc.	100	120. Technol. Appl. Ctr.	100
39. EOSAT	300	80. K2 Photogrammetry	100	121. Terra-Mar	200
40. ERDAS	300	81. Kork Systems	400	122. TGS Technol. Inc.	100
41. ERIM	200	82. Laser Scan, Inc	200	123. Tiger Scientific Corp.	100

	<u>sq. ft.</u>
124. Topcon Instr.Corp.	1600
125. Trimble Nav.	100
126. US Army Topo.Engr.Ctr.	100
127. US EPA	100
128. USGS	7900
129. United Nations Publ.	100
130. Vienna Conv. Bureau	100
131. Wehrli & Assoc.Inc.	100
132. Western Geophysical	100

#### 10. Technical Tours

Twenty-seven technical tours to government, commercial and scientific organizations in the Washington, DC area were arranged. Of these three tours were cancelled by commercial firms. A tour was scheduled for each morning and afternoon during the Congress with four tours repeated.

#### 11. Supporting Tours & Social Programs

A National Reception, ASPRS Host Reception, Exhibitors' Party, Welcome luncheon for Accompanying Persons and a dinner reception only for National Delegates were organized. In addition, 8 other social opportunities including boat cruise, theaters, banquet, baseball and a festive outdoor event on the Chesapeake Bay were offered.

The Accompanying Persons program offered 14 daytime tours to cultural, scenic and touristic sites. Plus the traditional home visits and walking tours to nearby sites with special tours such as through The White House were arranged.

During the mid-Congress weekend a trip to colonial Williamsburg; a trip to Antietam, Harper's Ferry culminating with a special ISPRS trophy race at Charlestown, WV; and outdoor relaxation at Great Falls of the Potomac were offered. Also, six pre/post tours to popular American locations were offered.

#### 12. Council Activities

As a Council member my activities included representation and support of numerous ISPRS events. During the past four years continual communication has been maintained with the Technical Commission Presidents. At each of the 1990 Commission Symposia, meetings were conducted with the Commission Board to insure coordination and commonality of objectives. As member of the IUSM Council, I participated in IUSM Council and Board meetings and with Comm. V President prepared IUSM Statutes. I attended all 10 formal Council meetings, hosted the Valley Forge, PA and Cape May, NJ meetings, plus met with parts of Council in Cape Town, Helsinki, Baltimore and Munich. During 1990-92 I represented ISPRS at two Scientific & Technical Subcommittee, and one full Committee meetings of COPUOS at the United Nations. Recently I was invited and visited the proposed venues and

consulted with organizing leaders of the three Ordinary Members bidding for the 18th Congress.

#### 13. Acknowledgements

The past four years have been very productive and I am appreciative and grateful for the generous support and time provided by my employer GE Aerospace, for the support of many government and corporate contributors, and for the support of the American Society for Photogrammetry & Remote Sensing members and staff. Above all are my thanks to my wife and family for their continual support and encouragement during four years of very intensive activities.

I express my sincere appreciation to the many individuals and organizations that have contributed to preparations for the 17th Congress. Special thanks go to the Council, Commission Presidents, Working Group Chairs and members of the Congress Organizing Committee for their continual encouragement and efforts. On behalf of the ASPRS we thank ISPRS for granting us the opportunity to host the 17th ISPRS Congress.

#### Agenda #25

#### Financial Commission's Report

*by J.C. Trinder, Chairman*

*E. Kilpela*

*P. Trino*

##### 1. Membership of Financial Commission

The members of the Financial Commission appointed by the General Assembly in 1988 at Kyoto were:

Professor Giovanna Togliatti (Chairperson)

Professor Einari Kilpela

Mr. Paulo Trino

Following the untimely death of Professor Togliatti in November 1990, Professor John Trinder accepted the invitation of the President, Professor Torlegård, to undertake the role of chairperson. He officially undertook this role at the Council meeting in March 1991.

##### 2. Meetings of Financial Commission

No meetings were held of the complete Financial Commission during the four year period, although several meetings of two of the members of the Commission were held at convenient locations to reduce costs of travel. A representative of the Commission attended all official Council meetings. Adequate communication between the Chairman and the Commission members was maintained by mail and fax.

##### 3. Approval of Budget and Financial Statements

The Society's Bylaws define the fiscal year from 1st April of one year to 31st March of the succeeding year. The financial management of the Society's accounts for each fiscal year has been based on a projected budget at the

commencement of each year and a statement of accounts at the end of the year. Each budget has been submitted to the Financial Commission for endorsement, while the yearly statement of accounts has been audited by the Commission.

**The Treasurer's statement for the period 1st April 1988 to 31st March 1992 which has been submitted to the General Assembly has been audited and endorsed by the Commission.**

#### 4. Status of Society's Accounts

As revealed by the Treasurer's report, the Society has increased its total assets by Swiss Fr 54,881.46. This sum includes the generous donation by the Japan Society of Swiss Fr 10,000 which the Society agreed to offer as travel scholarships to young authors to attend the Congress. The increase in the Society's assets which have accrued from income from members, investments and repayment of funds from accounts is therefore Swiss Fr 44,881.46 or 24% of the 1988 funds. **The Society's financial position is therefore sound.**

The Treasurer has reported that inflation of the Swiss Fr over the same 4 year period is 28% which has led effectively to a devaluation of the Society's assets from 1988-1992 of about 4%. **An increase in member contributions in line with the inflation of Swiss Fr is therefore recommended by the Commission.**

#### 5. Income

The Society's income is derived from member contributions amounting to Swiss Fr 211,908.41 and Swiss Fr 25,445.50 investment interest. The potential contributions from members for the period is approximately Swiss Fr 241,000.00. This represents an average shortfall of 12% in the member contributions, made up from 10% shortfall from Ordinary Members, 17% shortfall in Sustaining Member contributions, and 30% shortfall in Regional Member contributions. The Commission has brought the matter of non-payment of members to the attention of the Council and corrective action has been taken over the last year to recoup some of the outstanding funds. It is clear that a significant proportion of the outstanding funds will never be collected. Therefore, the maintenance of debts for periods longer than 4 years will serve no useful benefit to the Society and it is **recommended** that debts accumulated prior to the 1988 Congress be expunged from future financial statements. It is also **recommended** that Council takes appropriate action at the Congress, according to the Statutes and Bylaws, towards those Members with outstanding accounts who wish to attend and vote at the General Assembly.

It is further **recommended** that the Council to be appointed for the next period allows for the estimated shortfall in funds in its budgeting process.

Investments in the Swiss Fr bonds has earned a healthy income amounting to 10% of total income. The value of the bonds amounts to Swiss Fr 140,230.00 which includes a further investment of Swiss Fr 19,311.90 over the period.

#### 6. Expenditure

The majority of the expenditure of funds has been towards the operation of the Council and travel of its officers. Subscriptions to Elsevier, JOBRESA, IUSM and UNESCO NGO have been additional minor expenses. Council has developed the Society into a truly international body with initiatives to work with Sister Societies, IUSM and those with common interests. The expenses for such activities have made an important contribution towards the Society's current standing in the fields of photogrammetry and remote sensing.

#### 7. Conclusions

The Commission compliments the Council and especially the Treasurer on their management of the Society's finances and the clear manner by which the accounts have been kept.

This report of the Financial Commission is submitted to the General Assembly for endorsement.

### Agenda #26 - Decision on Unit of Subscription

#### SUBSCRIPTION RATE PROPOSALS 1993-96 FY

Ordinary Member		1989-92	1993-96
Category	Factor	Subscription Swiss fr	Subscription Swiss fr
1	1	72	90
2	2	144	180
3	6	432	540
4	10	720	900
5	16	1152	1440
6	24	1728	2160
7	32	2304	2880
8	48	3456	4320

Regional members are in Category 1

#### Sustaining Members

1	1	500	625
2	2	1000	1250





IUSM Presidents - E. James (FIG), F. Taylor (ICA), W. Torge (IAG), K. Torlegård (ISPRS), S. Witiuk (SORSA), H. O'Donnell (IUSM Exec. Secy.) and ISPRS Council

#### Fourth General Assembly Agenda #28 - Addresses by Sister Societies

##### Greetings from the International Federation of Surveyors (FIG)

by Earl James, President

Mr. President, Distinguished Guests, Ladies and Gentlemen:

I bring you greetings and best wishes for the success of your Congress from the Bureau and members of the International Federation of Surveyors (F.I.G.). Mind you, when I look around I see that my greetings may be a likely redundant because of great many of those present at this Congress are in fact members of F.I.G. However, I trust you will accept these greetings on behalf of the remainder.

Mr. President, since you have given me five minutes, and for the benefit of those who are not familiar with F.I.G., I thought I might briefly tell you a little about the aims of F.I.G. during the next four years.

The administration of F.I.G. is now in the hands of the Australian Bureau with its headquarters in Canberra. The handover from the Finns was achieved in February this year and already we have produced a work plan and established a number of Task Forces. The theme for the work plan and for our Congress in 1994 is "The Surveyor and Global Change", and in this regard we are not just talking about technological change.

Indeed, recent events in Eastern Europe are a typical example of the "change" we are concerning ourselves

with. This particular "change" is resulting in a flow of applications for membership from associations in countries that did not even exist a year or two ago. And it is providing F.I.G. and its Member Associations with a need, and an opportunity to provide assistance to these emerging countries in such things as Cadastral Reform, and in some cases even Cadastral creation.

Apart from this our main area of concentration will be the provision of assistance to developing countries. Because of the ever present problems of lack of funds, F.I.G. assistance can generally only take the form of "Transfer of Knowledge" which is normally achieved by means of seminars and workshops sponsored by Member Associations through their national governments. Already we have promises of seminars in S.E. Asia, South America and Africa. It is our ambition to provide at least nine such seminars (one by each of our nine Commissions, during our term of office, in addition to their normal activities.

On an equally important note is the "change" occurring in the global environment. F.I.G. has NGO status with the U.N. Environment Program and as such was invited to be present at the U.N. Conference on the Environment and Development recently held in Rio. Vice President Peter Byrne attended on our behalf and returned with some awe-inspiring statistics e.g., the population of this earth has doubled during the last forty years and will double again during the next forty. Less than 25% of this population lives in the industrialized nations, and by the year 2000 there will be 21 cities with populations in excess of 10 million -- and most importantly 17 of these cities will be in the less developed countries.

Surveyors from all divisions and facets of the profession, whether they be cadastral, engineering, photogrammetric, remote sensing or valuing, will need to work together to assist those countries to overcome the vast problems they face.

One result of the Rio conference was "Agenda 21" which sets out a program of action aimed at reshaping human activities in order to minimize environmental damage and ensure sustainability in the development process. F.I.G. is attempting to find ways in which surveyors can assist in the process.

Finally Mr. President, I would like to present you with this F.I.G. plaque as a memento of this event, and I would invite you and all your members to attend the F.I.G. Congress in Melbourne in March 1994.

### **Greetings from the International Cartographic Association (ICA)**

*by D. R. F. Taylor, President*

On behalf of the International Cartographic Association I am pleased to bring greetings to ISPRS and best wishes for your Congress. Cartographers have a very close relationship with photogrammetrists and scientists in the field of remote sensing and new developments in technology are bringing us even closer together. Already we are sharing technology such as Geographic Information Systems and the border lines between all of the disciplines in the mapping sciences are beginning to blur. In addition, the convergence caused by technological developments is being further enhanced by the fact that we share common application challenges such as contributing to the understanding of the complexities of our environment. Both ICA and ISPRS have played a major role in the International Union of Surveys and Mapping established to facilitate cooperation and in this respect we share common beliefs in the value of such cooperation. I look forward to participating in the Congress.

### **Greetings from the International Association of Geodesy (IAG)**

*by Wolfgang Torge, President*

President Torlegard, Honorable Delegates, Dear Colleagues;

I have the honor and great pleasure to deliver the greetings and best wishes of the International Association of Geodesy, to this General Assembly of the International Society for Photogrammetry and Remote Sensing.

IAG is one of the constituent associations of the International Union of Geodesy and Geophysics, and its objectives are to promote the study of all scientific

problems of geodesy and encourage geodetic research, to promote and coordinate international cooperation in this field, and to promote geodetic activities in developing countries. The roots of IAG go back to the "Mitteleuropäische Gradmessung" founded in 1862, on initiative of the Prussian General Dr. Baeyer, and expanding to the "Internationale Erdmessung" in 1886, with Helmert acting as Director of the Association's Central Bureau. Embedding of IAG in IUGG shows geodesy as part of the geosciences, and this aspect may easily be recognized if we look at topics like earth rotation and earth tides, global reference frames, and gravity field modeling, with satellite methods contributing to a great extent to the results. As the  $10^{-9}$  relative accuracy has been reached now in positioning and gravimetry, geodetic techniques contribute significantly to geodynamic research, and IAG follows this direction through special research groups dealing with global geodynamic variations, reduction of natural hazards, and recent crustal movements, among others.

On the other hand, geodesy is technology driven, and thus strongly related to engineering sciences. This is the reason for the long-standing connections of IAG to the sister societies engaged in the field of surveying and mapping, including ISPRS. By joining the International Union for Surveys and Mapping, IAG has demonstrated its readiness to cooperate even more strongly, and we recognize here at this Congress a good start of these intensified endeavors, with the technical meetings of the IUSM working groups, concentrating on some topics of common interest as education, geoinformation systems, and the Global Positioning System.

Coming back to photogrammetry, strong relations to geodesy existed from the very beginning. The geodesist Jordan, Professor for geodesy in Karlsruhe and Hannover, applied photogrammetric methods already in 1873/74, at the survey of the oasis Dachel in Libya, and since many decades University Departments of surveying engineering include strong photogrammetric as well as geodetic groups. Among the classical fields where geodesy and photogrammetry meet, we have the problems of orientation in space and three dimensional modeling, interpolation and approximation procedures, as well as error and adjustment theory. More recently, topics of common interest result from the use of satellites as sensor platforms, new possibilities of kinematical positioning, the need for digital terrain models, and the necessity to handle very large data sets, to mention a few examples where ISPRS working groups are also engaged in.

To conclude, IAG and I personally wish you a full success for this outstanding scientific event of an ISPRS congress, and we look forward towards an extended and intensified cooperation with ISPRS, now under the umbrella of IUSM, in order to attack more efficiently the manifold problems which our sciences and professions are expected to solve.

## Agenda #29 - Schermerhorn Award

### Presentation of Schermerhorn Award

by 1st Vice President, G. Konecny

The Netherlands Photogrammetric Society instituted the Schermerhorn Award in 1988 in the memory of Prof. Dr. Willem Schermerhorn for the promotion of the international activities in various areas of specialization of photogrammetry and remote sensing. After the recent fusion of the Netherlands Photogrammetric Society and the Netherlands Remote Sensing Society the award is now presented by The Netherlands Federation for Earth Observation and Geoinformatics.

According to title 2 of its statutes the award will be granted to a member of a Working Group, who, through his or her commitment has achieved extremely worthwhile and successful scientific meetings of a very high level, gaining sufficient interest and good reporting throughout the four years period up to an ISPRS Congress. The jury consists of the President of ISPRS (acting as chairman), the President of the forementioned Netherlands Federation, the Rector of the International Institute of Aerospace Surveys and Earth Sciences in Enschede, and two professors in the field of Photogrammetry, Remote Sensing, and G.I.S. of the Wageningen Agricultural University and the Delft Technical University in the Netherlands.

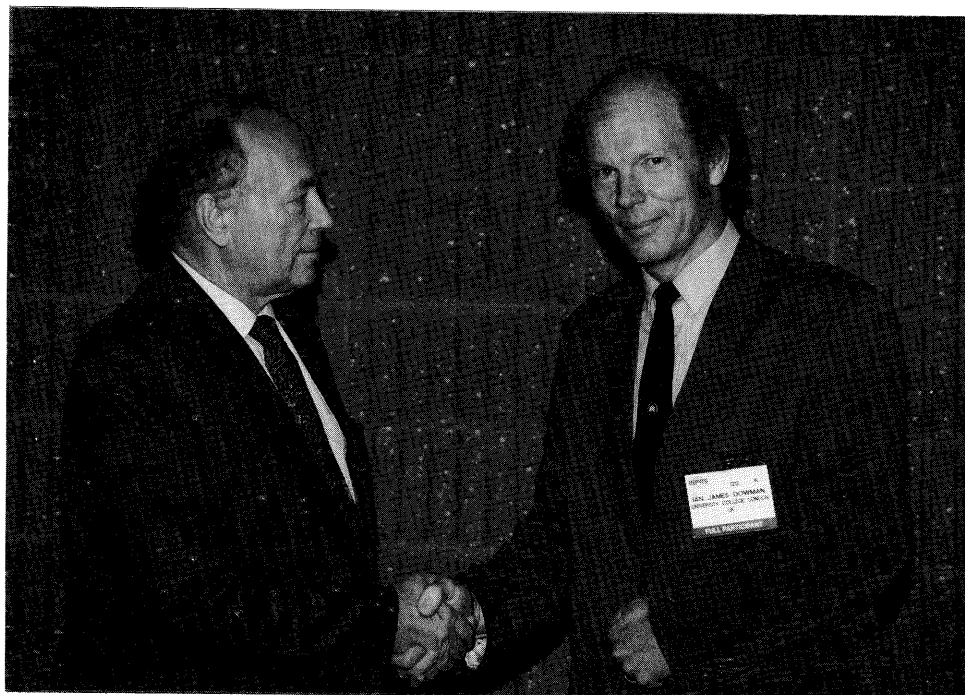
The award has been granted for the first time at the ISPRS Congress in 1988 in Kyoto, Japan, to Dr. Gérard Guyot of France. This year the award will be granted to **Ian J. Dowman**, Ph.D. Ian Dowman is a native of

Colchester, England. He completed his B.Sc. degree at the University of London in 1963 and his Ph.D. at the University of London in 1983. Since 1991 he is Professor for Photogrammetry and Remote Sensing at the same institution, where he worked for most of his professional life. From 1964 to 1969 he worked in Australia and from 1975 to 1976 he was visiting lecturer at the University of New Brunswick in Canada.

In the period 1988-1992 Ian Dowman was co-chairman of Intercommission WG II/III "Design and Algorithmic Aspects of Digital Photogrammetric Systems". Recently he was responsible for the organization of a workshop on "Hardware and Software for Fast Image Data Processing" in London, February 1990. He was co-chairman of a workshop on "Design Issues of Softcopy Photogrammetry Workstations" in Boulder, March 1991. He was co-chairman of the ISPRS Conference on "Digital Photogrammetric Systems" in Munich, Sept. 1991. For OEEPE he organized a workshop on "The Triangulation of SPOT-data" in London, Sept. 1989. During the International Space Year conference in Munich, April

1992, he organized for OEEPE and ESA a symposium on "Data Processing and Space Assisted Mapping". He was director of the conference "Spatial Data 2000", organized by the Photogrammetric Society, the Remote Sensing Society and the ASPRS, in Oxford, Sept. 1991.

All these meetings were very successful and attracted many participants from a large number of countries. Because of this long list of activities the jury proposed to grant the Schermerhorn Award to Ian J. Dowman.



Dr. Ian J. Dowman receives Schermerhorn Award congratulations from 1st Vice Pres. G. Konecny