

7 NOV 1956

MEMORANDUM FOR: Deputy Director/ Intelligence

THROUGH: Assistant Director, Research and Reports

Noted By AD/RR

SUBJECT: TDY - [REDACTED]

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I. Purpose

The primary purpose of the TDY was to (1) attend the VIII International Congress of Photogrammetry held in Stockholm, Sweden 17-26 July 1956;

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II. Activities and Findings

A. VIII International Congress of Photogrammetry.

This Congress was well attended with more than 800 registrants from 47 nations including the USSR, the Satellites, Red China and Eastern Germany. The USA had more than 80 in attendance including wives and overseas military personnel. [REDACTED]

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[REDACTED] delegation agreed that the Congress was comprehensive and excellently organized and that to cover it adequately it would be necessary to divide up the reporting responsibility. [REDACTED] will cover:

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- (1) Overall Observations of the Congress
- (2) Photographic Interpretation activities
- (3) Observations of the Soviet delegation
- (4) The Geodimeter and Tellurometer
- (5) Miscellaneous items of intelligence value.

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[REDACTED] will cover important details of new instrumentation and photogrammetric equipment. The DD/P representative will cover items of optical-mechanical equipment and information of unique application to TSS problems overseas.

1. Overall Observation of the VIII International Congress of Photogrammetry is that it is probably the most successful one to date. Sweden as the host country was strongly supported by its government and the Swedish Society of Photogrammetry spared no detail or effort by its members in the execution of its responsibilities. The International Society for Photogrammetry was founded in 1910, meets once every four years and lists as Council for the 1956 Congress the following names:

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President: Mr. Patrik Mogensen - Sweden
 Secr. General: Dr. P. O. Fagerholm - Sweden
 Treasurer: Mr. Sven G. Möller - Sweden
 Members: Maj. Gen. R. L. Brown - U.K.
 Mr. R. Janicot - France
 Capt. O. S. Reading - USA
 Prof. W. Schermerhorn - Netherlands

Member nations and their respective societies follow:

Austria	Österreichische Gesellschaft für Photogrammetrie
Belgium	Société Belge de Photogrammétrie
Canada	The Canadian Institute of Surveying and Photogrammetry
Chile	Sociedad Fotogramétrica de Chile
Denmark	Dansk Fotogrammetrisk Selskab
Egypt	Survey Department (indiv. memb. 1955)
England	The Photogrammetric Society
England	Royal Institution of Chartered Surveyors
Finland	Suomen Fotogrammetrin Seura
Formosa	Chinese Society of Photogrammetry (1956)
France	Société Française de Photogrammétrie
Germany	Deutsche Gesellschaft für Photogrammetrie E.V.
India	Survey of India (indiv. memb. 1955)
Iran	Centre Cartographique National (indiv. memb. 1955)
Israel	Photogrammetric Society of Israel
Italy	Società Italiana di Fotogrammetria e Topografia
Japan	Nihon Shashin Sokuryo Gakkai
Netherlands	Nederlandse Vereniging voor Fotogrammetrie
Norway	Norsk Fotogrammetrisk Selskab
Pakistan	Survey of Pakistan (indiv. memb. 1953)
Portugal	Associação Portuguesa de Fotogrammetria
Spain	La Unión Española de Estudios Fotogramétricos (1956)
Sweden	Svenska Sällskapet för Fotogrammetri
Switzerland	Société Suisse de Photogrammétrie
USA	The American Society of Photogrammetry
Yugoslavia	Savez Geodetskih i Fotogrametričkih Društava

The Secretariat under Secretary General Dr. P. O. Fagerholm handled all Commission activities, International Archives, interpretation, translation, publicity, Congress News, secretaries and reproduction facilities and was a major factor which made for an excellent meeting. The organization of the I.S.P. Technical Commissions with respective scopes, boards and reporters is outlined in the following tables:

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S-E-C-R-E-T

COMMISSION	I	II	III	IV*	V	VI	VII
Scopes	Photography & Navigation	Plotting, Theory & Instruments	Aerial Triangulation	Mapping from photographs	Non-topographic Photogrammetry	Education, Terminology Bibliography	Photo Interpretation
Boards							
President	J. Cruset	W.K. Bachmann	P. Wiser	G.S. Andrews	G. Boaga	K. Neumaier	C.G. Coleman
Secretary	P. Simillon	W. Hüberlin	A.J. van der Weele	T.J. Blachut	P. Belfiore	A. Barvir	E. Rogers
Reporters							
Austria	F. Ackerl	J.L. Kramas	J. Ebenhöhn	E. Bayerl	K. Hubany	K. Neumaier	F. Hödl
Belgium	P. Vermeir	G. Lemaire	A. Verdin	F. Cattelain	R. Burette	P.L. Baetslé	A. Gillard
Canada	D.S. Ross	C.W. Garrard	J.L. Thompson	E.D. Baldock	K.B. Jackson	T. J. Blachut	H. E. Seely
Chile	Inst. Geogr. Mil.	Inst. Geogr. Mil.	Inst. Geogr. Mil.	Inst. Geogr. Mil.	Inst. Geogr. Mil.	Inst. Geogr. Mil.	Inst. Geogr. Mil.
Denmark	J.V. Halk	J. V. Halk	T.W. Petersen	A. Voldum-Jensen	J. V. Halk	A. Voldum-Jensen	J. V. Halk
Egypt	A.M. Wassef	A.M. Wassef	A.M. Wassef	A.M. Wassef	A.M. Wassef	A.M. Wassef	A.M. Wassef
England	B.J. Attwell	E.H. Thompson	H.H. Brazier	H.G. Dawe	E.A. Miskin	A.R. Robbins	F. Walker
Finland	T. Suortti	A. Savolainen	V. Erola	K. Löfström	A. Rainesalo	R. S. Halonen	H. Lyytikäinen
France	J. Cruset	P. Dainaye	M. Bonneval	B. Dubuisson	Mr. Brunel	R. Daniel	M. Mathieu
Germany	H. Decker	K. Schwidetzky	W. Brucklacher	G. Lehmann	O. Lacmann	R. Burkhardt	C. Troll
India	E. R. Wilson	J.C. Sikka	J. C. Sikka	E. R. Wilson	Survey of India	Survey of India	Survey of India
Iran	Mr. Rabi	Mr. Shahbandeh	Mr. Eghtessad	Mr. Ebrahim	Mr. Eskandari	Mr. Charifi	Mr. Mostowfi
Israel	the Society	the Society	the Society	the Society	the Society	the Society	the Society
Italy	G. Giotti	C. Trombetti	U. Bartorelli	A. Paroli	M. Fornari	E. Vitelli	D. Cosma
Japan	M. Takeda	K. Nakamura	U. Kimoto	K. Sino	T. Maruyasu	H. Sato	C. Hara
Netherlands	F. L. Corten	H. Meyer	J. Visser	G. F. Witt	H. C. Zorn	H. Volkerd	C.F. van Drabbe
Norway	H. Skappel	F. B. Ordning	P. Vold	G. Hagene	P. Vold	T. Eika	A. Raider
Pakistan	Surveyor General	Air Survey Party	Air Survey Party	Map Publication	Surveyor Gen.	Surveyor Gen.	Surveyor Gen.
Portugal	Inst. Geogr. Cad.	Inst. Geogr. Cad.	Inst. Geogr. Cad.	Inst. Geogr. Cad.	Inst. Geogr. Cad.	Inst. Geogr. Cad.	Inst. Geogr. Cad.
Sweden	O. Hagsten	C.U. Thorsell	L. Ekelund	A. Smadberg	P. Hjelmström	H. Krosse	B. von Vegesack
Switzerland	D. Cherret	A. Pastorelli	M. Zeller	H. Härry	M. Zeller	Fr. Kobold	J. Krebs
U.S.A.	T. Blount	R. Bean	R. Brandt	T. Abrams	G.T. McNeil	D. Landen	R. Colwell
Yugoslavia	the Society	I. Cucek	F. Braum	Z. Tomasegovic	J. Cerne	F. Braum	---

*Section chairmen
 IV:1 Cadastral mappings: H. Härry
 IV:2 Urban mappings: B. Dubuisson
 IV:3 Small-scale mappings: W. K. Bachmann (Europe); T. J. Blachut (other countries)

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In the Council Meetings to decide which countries would control what Commissions for the next four years the USA through its senior delegate, Mr. William C. Cude, President of the American Society of Photogrammetry, sought the following Commissions in order of preference: III, II, I and IV. As it was finally decided, however, the USA received the Presidency of none of these but was assigned instead to continue to provide the President of Commission VII wherein it was conceded that the USA had done an excellent job and one that none of the other nations felt it could do with equal justice.

The activities of the Congress included professional lecture - discussions, exhibits, movies and technical tours. The center of all activities was the Medborgarhuset, a Stockholm Civic Center, and the adjacent Malmen Hotel. Organizations visited included the following:

Esselte - Map Printing Office
Kungl. Lantmateristyrelsen - The Land Survey Board
Rikets Allmanna Kartverk - Geographical Survey Office
City Surveyor's Office
Royal Institute of Technology

Tours were made to Norrtälje, Saltsjobaden and Uppsala. Four other technical tours were conducted after the Congress, one as far north as Kiruna and Boden above the Arctic Circle, but Lundahl did not have time to participate therein.

In general it might be summarized that a very large interchange of world photogrammetric information was achieved smoothly and efficiently at Stockholm. The exhibits were outstanding and one could wonder whether or not the man-hours taken to prepare them did or did not exceed the man-hours consumed by delegates in reviewing and appreciating them. For a wealth of supplementary details the Program of the VIII International Congress of Photogrammetry is attached hereto as Enclosure (A). Some 20 pounds of brochures and technical literature distributed at the Congress are on file in D/GP and may be borrowed or examined by other interested CIA specialists -- probably from OSI as well as ORR.

Finally it is reported that Maj. Gen. R. L. Brown of Great Britain was elected as the new President of ISP and that the 1960 Congress will be held as a result in the U.K. -- either in London or Cambridge.

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2. Photographic Interpretation Activities were highly diversified [REDACTED] worked very closely with Commission VII President, Mr. C. G. Coleman of USN-PIC. At the opening session of Commission VII it was announced that the American Society of Photogrammetry was well along with its plan for producing a Manual of Photographic Interpretation. Several chapters of the 12 planned had already been completed and interested would-be reviewers were invited to contact [REDACTED] or Coleman to secure copies. The list of planned chapters for the ASP P.I. Manual and foreign reviewers interested is included as Enclosure (B). In addition it was determined from the ISP Registration records just what individuals from which countries were interested in the subject of photo interpretation. This composite list is attached as Enclosure (C). Many of these names are well known but a substantial number are brand-new and the broad scope of national interests in photo interpretation is roundly affirmed.

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At several sessions of Commission VII specialists during the Congress, [REDACTED] had abundant opportunity to meet a large number of foreign photo interpreters and to determine some of their interests and problems. All were excited about the prospect of a P.I. Manual and some (France) wanted to broaden the scope of the American effort but others (Sweden, Germany, and Holland amongst many others) agreed with [REDACTED] remark that ASP felt it must crawl before it walks and walk before it runs in this regard. Therefore, a basic Manual was due first and could be logically followed by a series of national publications pointing up in P.I. Key fashion the cultural geographic - environmental factors unique to their provinces or areas of greatest specialization and interest. It goes without saying that such a series would have very useful application to CIA interests when used with modern photography and other sources of special intelligence. The generally approved outline of the new ASP Manual of Photo Interpretation is attached as Enclosure (D).

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It was generally agreed by Commission VII that rapid advances were being made by photo interpretation in its many fields of application and by implication of Council vote that the USA was in best position to continue its fine work in reporting these advances through the control of Commission VII for another four years at least. However, it was agreed that the present reporting mechanism had difficulties in keeping up with the growth of this science and that activities in the P.I. field on an international scale should be reported out annually. Further, Commission VII resolved that 7 sub-commissions be set up to handle the burden of reporting under the following categories:

Sub-commission 1.

Photography (availability of photo coverage, desirable photo specifications etc.)

Sub-commission 2.

Photographic Interpretation Equipment and Techniques

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Sub-Commission 3.

Interpretation of surface configuration, drainage, soils, geologic structures.

Sub-commission 4.

Interpretation of vegetation.

Sub-commission 5.

Interpretation of urban, rural and industrial structures.

Sub-commission 6.

Interpretation of Ice.

Sub-commission 7.

Other applications.

In general it might be concluded that the U. S. handling of Commission VII has been very good and that foreign delegates were willing to acknowledge U.S. leadership in the P. I. field as they intrusted to the U. S. the responsibility and expense of reporting progress for the next four years. To ASP President, William C. Gude, this was one of the most important prestige feathers added to the U. S. cap during the VIII International Congress.

3. Observations of the Soviet Delegation

Although the USSR has no national photogrammetry society as a member of the ISP, the Soviets were invited by the Swedes to send a delegation to Stockholm to observe and participate as it could in the technical discussions. Of course, such a delegation would have no seat in ISP Council discussion. As in past International Congresses the Soviets never even acknowledged receipt of such an invitation. In Sweden, however, a most unusually charming woman, Mrs. E. Nordenstam, wife of a Swedish Cabinet Minister, met the Soviet Ambassador to Sweden a few weeks before the Congress at a government reception and asked him why the USSR was so reclusive and apparently disinterested in the important International Congress soon to be held in Sweden. The Soviet Ambassador was obviously charmed by Mrs. Nordenstam, expressed ignorance of the Congress invitation, and stated that he would look into the matter. Shortly thereafter the Swedes received word from the USSR that a delegation of 8 observers could be expected. Their names and addresses from the numerical registration list follow:

523 Tatevian A Dr, Moskva USSR
524 Kona Jin M Dr., Moskva USSR
525 Sokolova N Miss, Moskva USSR
526 Gerasimova O Miss, Moskva USSR
527 Konstantinov A Mr., Moskva USSR
528 Zentsov A Mr., Moskva USSR
529 Petrov L Mr., Moskva USSR
530 Tsitsischvili V Mr., Moskva USSR

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Enclosure (E) is a photograph of the Chief of the Soviet Delegation, Dr. A. Tatevian, standing to the right of a senior Chinese Communist delegate, Mr. S. Chiu and flanked by other Soviet delegates. During the course of the Congress [redacted] was introduced to Dr. Tatevian and other delegates from the USSR. Limited conversations were held in Russian and it was readily apparent that Dr. Tatevian was a man of high technical qualifications who appeared quite friendly toward delegates from the West. At the close of the Congress he came to [redacted] and other Western delegates to shake hands and express kind regards. Chinese delegates did not respond with equal friendliness.

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The Soviets appeared to be well drilled for effecting good public relations. They were observed presenting small gifts and flowers to Swedish ladies handling Congress administrative chores and they smilingly gave coins when approached by Swedish solicitors or beggars. Technically, they appeared to be particularly interested in the following items:

- (a) The AGA Geodimeter - exhibited by Svenska AB
Gasaccumulator (Sweden)
- (b) The Wild A7 Precision Autograph - exhibited by Wild
Heerbrugg Ltd. (Swiss)
- (c) The Automatic Tri-Film Processor Type T 246 Mark 3 -
exhibited by PSC Applied Research
Limited (Canadian)
- (d) The Nistri Photostereograph Beta/2 - exhibited by OMI
(Italian)

Soviet delegates asked many questions about these instruments and spent much time observing their operation, testing their motions, unscrewing connections and apparently soaking up all available data on each of them. Later it was noticed that one Soviet delegate, Miss Sokolova, presented a list of written questions to the AGA representative regarding the Geodimeter. A list of the answers to these questions was obtained and is attached as Enclosure (E). (This information has already been given to OSI and TSS, DD/P representatives for detailed study) The Soviet, Dr. M. Konašin, gave two brief delegation reports, which were generally terse and not too clear or informative. Items which they seemed particularly proud of were the performance of the new 120° wide angle Russian lens and a Radio Altimeter Photographic link by which flying height determinations with an accuracy of 5 feet were claimed. The Soviets tried to discourage questions by stating that they would answer none until all had been submitted in writing. They obviously miscalculated the penetrating interest of Western delegates and the large number of questions submitted were not answered satisfactorily. Usually the Soviet responder in English (Miss Sokolova) would stammer, fail to understand the question or make some answer not fully related to the question. The West learned very little from this performance. More was learned from direct observation of the Soviets themselves. They always travelled together in one group of 8 or in 2 or 3 smaller groups. It was estimated that 5 of the group were technical representatives and that 3 were security watchdogs. None ever travelled about alone and when one would be inadvertently separated from his delegation in a crowd there was

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observed a somewhat panicky and hasty effort to rejoin it. They at all times were courteous and polite and were obviously pleased by Swedish hospitality. The Swedes went out of their way to help the Soviets and to make them feel welcome. They provided special guides and Russian speaking escorts to lead them through the exhibit areas. Other than the Swedes and Chinese Communist delegates no other group tried to maintain constant company with the Soviets who sometimes appeared like a lonely group of unsmiling orphans dressed in second hand clothes which had little fit or style. One or two of the delegates reacted antagonistically toward the Russians. In one conversation about meteorological difficulties in Western Europe, the Finnish delegate, Lt. Col. K. G. Lofstrom, was observed to stare at the Russians coldly and say, "Of course weather is a worry but the weather is not what we fear from the east." Nervous shuffling of feet and this small international sub-conference was quickly adjourned.

There is no doubt that the Soviets gained a great deal more photogrammetric knowledge than they gave out during the ISP Congress. They seemed particularly interested in subjects dealing with Photographic Interpretation and swept up all available pieces of conference literature relating to it. In the choice of Technical Tours after the Congress it is interesting to note that the Soviets selected the far northern tour to Kiruna and Boden above the Arctic Circle where terrain, forests, mining and hydro-electric features were to be observed amongst other things.

4. The Geodimeter and Tellurometer

The AGA Geodimeters NASM-2A and NASM-3 built by the Svenska AB Gasaccumulator at Stockholm-Lidingo were observed in operation at the measurements by means of a modulated light beam between two points within visible range on the earth's surface. Soviet delegates and Western delegates were equally and greatly interested in this equipment. The NASM-2A weighs 95 kilograms. The electronic unit measures 80 x 42.5 x 35 cm. The optical unit measures 80 x 42 x 55 cm. Power requirements are supplied by a gasoline generator giving 140 watts at 50 to 60 cycles/sec. The range is from 20 to 40,000 meters and the error in distance measurement is $1 \text{ cm} \pm 1 \times 10^{-6}$ of the distance. The NASM-3 is much smaller, weighing only 26 kilograms, uses 75 watts at 50 to 60 cycles/second. It has a range of 20 to 20,000 meters and an error of $3 \text{ to } 10 \text{ cm} \pm 2 \times 10^{-6}$ of the distance. The U.S. Army ERDL is already testing this equipment and the Canadians have ordered 12 units. The Soviets were asking questions on how they might proceed to order units for testing. The strategic importance this highly portable yet highly accurate distance measuring equipment for geodetic mapping and application to missile range layouts is obvious. The U.S. JCS representative quickly engaged AGA Officials in discussions of this equipment and the presently unfulfilled needs of the U.S. for still smaller equipment of shorter range but equal accuracy.

As the flurry of interest developed around the Geodimeters the South Africans (Prof. H. Biesheuvel, University of Natal Durban) informed the British that they had developed an even better instrument called the Tellurometer. This device operates like the Geodimeter but is lighter,

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works up to 30 mile range, can be used day as well as night, is unaffected by visibility, offers readings quickly and works off of a 6 volt - 10 amp power supply. [REDACTED]

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[REDACTED] An interesting competition was thus revealed and it can be expected that the Western World, which manufactures no equipment presently of equivalent performance, will be most intently following up on this technological accomplishment to adapt and exploit it for its own requirements. Soviet behavior indicates an equally great interest in this development and it is suggested that [REDACTED] a close watch and accounting of production and sales of these items of equipment.

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5. Miscellaneous Items of Intelligence Value

a. A potential source of current intelligence on the Soviet Arctic was discovered in the form of Dr. Walter Schytt, University of Stockholm and best known for his work in Polar Geography. Dr. Schytt was approached by the Russians and asked what he was doing during the summer of 1956. Being temporarily on vacation, he was invited to join the Soviet International Geophysical Year group working in the Svalbard-Spitzbergen area. He was told that he might move about by Soviet helicopter, take aerial photos and generally provide technical consultation and assistance in the IGY Polar Geographic research program planned for this area. Dr. Schytt accepted this offer and is now in the field working with Soviet Scientists.

b. At the ISP Congress Exhibit of Zeiss, Jena it was noted that East German attendants religiously photographed every visitor who stopped before their display. The attendant used a 35 mm Leica with a Speedlight attachment and the photos were flashed rapidly, point blank and without permission, apology or explanation. CIA representatives carefully avoided these photographers. The Zeiss Jena equipment itself looked old and antiquated, just as though it had been locked in a closet in 1945 and was now being taken out in 1956. Zeiss Oberkochen equipment on the other side looked brilliantly modern and attractive. The explanation of the difference is probably due to the lack of a competitive market for this equipment in the Soviet Zone of Germany. Zeiss Oberkochen on the other hand was featuring equipment that is highly competitive in a world market. One humorous fact was noted when Zeiss Jena exhibit attendants began to talk too rapidly or argue. They were frequently heard lapsing from "nein, nein" to "net, net."

c. A group of Swedish technical students just back from their exchange studies at Moscow reported some interesting things about their Soviet classmates. With the discredit of Stalin, Soviet students appeared to collect in two ideological groups. The Liberals felt that the lid was off and that the current Soviet regime intended for them to be scientific, critical of themselves, admit past faults, learn from the West, etc. The older Conservatives would respond by saying wait, wait -- don't get too frisky and show your colors this way as you will be tabbed and when the government crackdown comes you all will be the first off to distant reorientation centers. All Soviet students

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appeared to love American jazz music and it was not unusual to hear the latest American records being played, and sometimes not too quietly, in dormitory rooms. To a man, Soviet Students asked Swedes many questions about the West, particularly the USA and most had strong desires for Western clothing and commodities. The Swedish students laughingly reported that they had no trouble selling every item they had (toothbrushes included) other than the clothes they were wearing before returning from Moscow.

The foregoing report on the VIII International Congress of Photogrammetry and the general observations recorded are intended only as indications of the range and variety of intelligence leads secured. From these leads and the ISP Program (Enclosure A) other CIA specialists may wish to express their individual interests as specific questions to ORN/DDI or TSS/DDP.

Next 4 Page(s) In Document Exempt

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- ENCLOSURE A - Program of the VIII International Congress of Photogrammetry.
(Attached to original DD/I copy)
- ENCLOSURE B - List of Planned Chapters for the ASP P.I. Manual and Foreign
Reviewers Interested. (Attached)
- ENCLOSURE C - List of Individuals Interested in Photo Interpretation, from
ISP Registration Records. (Attached)
- ENCLOSURE D - Generally Approved Outline of New ASP Manual of Photo
Interpretation. (Attached to original DD/I copy)
- ENCLOSURE E - List of Written Question and Answers to the ASA Representative
regarding the Geodimeter. (Attached to original DD/I copy)
- ENCLOSURE F - Copy of the Simplified Specifications of the Tellurometer.
(Attached)

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ENC. "B"

American Society of Photogrammetry's Manual of Photographic Interpretation

The draft copies of chapters I through XII are in hand or are soon to be completed. Please indicate by filling in the spaces below what chapters you would like to review now or when it is available.

Chapter No. and Title

Reviewer's Name printed
Local address and telephone No.

I. Introduction - "Development
of Photo Interpretation"

Overstelojtnant Br r V. Ve ejack
Boden 19
Boden 13295

S. Herichdorfer, Shell Cy-Holland
for Bataafoche Petr. Cy.
Carel v. Bylandtlaar 30
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Major R. Bowen
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Prof. G. Flandrin, Institut francais
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(France)
Rueil-Malmaison
(Seine et Oise)

J. Krebs, Dr. Sc., Swiss Federal
Institut of Technology, Dept. of
Geology, Sonneggstr. 5 Zurich

ii. "The Procure it of Photo-
graphy"

Overstelojtnant Bror V. Vegejack, op cit

S. Herichdorfer, op cit

Dr. G. Fildebrandt, op cit

II. Con't

Major R. Bowen

Walker (Frank) Alviksven 17 Bromma
University of Bristol, England
Geography Dept.

1/Lt. James L. Passauer, op cit

III. "The Fundamentals of Photo
Interpretation"

Overstelojtnant Bror V. Vegejack,
op cit

Corten, Francors L.
ITC
Delft, Holland

Eligio Cerboni
Servicio Hidiogra fice
Lavalle 1634 Buenos Aires

1/Lt. James L. Passauer, op cit

Major R. Bowen, op cit

Capt. Wm. H. Echert
3921 Rts
APO 197
New York

Dr. G. Fildebrandt, op cit

J. Krebs, Dr. Sc., op cit

S. Herichdorfer, op cit

IV. "Photo Interpretation in
Geology"

Overstelojtnant Bror V. Vegejack, op cit

P. A. Rankin
Hunting Technical Services Ltd.
Boreham Wood, Herts U. K.
Tel. Elstree 2214

K. Voelger, Aero Exploration
Frankfurt/M, Germany

Prof. G. Flandrin, op cit

Capt. Wm. H. Echert, op cit

S. Herichdorfer, op cit

Delft, Holland
ITC

J. Krebs, op cit

Overstelojtnant Bror V. Vegejack, op cit

S. Herschdorfer, op cit

V. C. Robertson
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J. Krebs, Dr. Sc., op cit

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op cit

Veenenbos, Dr. J.
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ITC

R. Loxton
Grevgatan 14, Stockholm O
607604

Overstelojtnant Bror V. Vegejack, op cit

Prof. G. Flandrin, op cit

Don Lueder
Hunting Technical Services Ltd.
Toronto, Canada

J. Krebs, Dr. Sc., op cit

S. Herschdorfer, op cit

1/Lt. James L. Passauel, op cit

Prof. G. Flandrin, op cit

Overstelojtnant Bror V. Vegejack, op cit

Boon, Dr.
Delft, Holland
ITC

V. "Photo Interpretation of
Soils"

VI. "Photo Interpretation in
Engineering"

VII. "Photo Interpretation in
Forestry"

Hunting Technical Services Ltd.
6 Elstree Way
Boreham Wood, Herts U.K.

R. Loxton, op cit

N. Hagber,
State Forest Service
Kungsatan 37/VI
Phone 225040

S. Herschdorfer, op cit

Prof. G. Flandrin, op cit

1/Lt. James L. Passauel, op cit

Dr. G. Flandrin, op cit

Eligio Carboni, op cit

VIII. "Photo Interpretation in
Agriculture"

S. Herschdorfer, op cit

Overstelojtnant Bror V. Vegejack, op cit

Voenenbos, Dr., op cit

IX. "Photo Interpretation in
Urban Area Analysis"

Capt. Wm. H. Echert, op cit

1/Lt. James L. Passauer, op cit

S. Herschdorfer, op cit

Overstelojtnant Bror V. Vegejack, op cit

X. "Photo Interpretation in
Geography"

Walker (Frank) Alviksvagen, op cit

Roscoe, John
Stockholm Hotel
Rm. 101

J. Krebs, op cit

Prof. G. Flandrin, op cit

Revertera, Dr. Carl, op cit

XI. "Other Applications of
Photo Interpretation"

Overstelojtnant Bror V. Vegejack, op cit

S. Herschdorfer, op cit

Major R. Bowen, op cit

J. Krebs, op cit

XII. "Education and Training
in Photo Interpretation"

Overstelojtnant Bror V. Vegejack, op cit

S. Herschdorfer, op cit

J. Krebs, op cit

1/Lt. James L. Passauer, op cit

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