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21 November 1955

MEMORANDUM FOR: Acting Chief/G
 FROM : Chief, D/GP
 SUBJECT : Exchange of Visits Between the USSR and US.

1. It is suggested that visits to the USSR should take place between about 1 June 1956 and 15 July 1956, and/or between 15 August 1956 and 1 October 1956. The visits should be of approximately six weeks duration.

2. Fields to be covered by such visits should include photographic intelligence, photogrammetry, photography, photographic optics, photo-cartography, cartography, geodesy, geology, and allied fields.

3. It is suggested that the participants include some of the following recognized leaders in their fields:

- | | | |
|--------------------------------------------|------------------------------|--------------------------------|
| 1. Dr. F.E. Washer, or
Dr. I.C. Gardner | Natl. Bur. of Standards
" | Photographic Optics
" |
| 2. Dr. Duncan E. Macdonald | Boston University | Photo Interpretatio |
| 3. Dr. D.J. Belcher | Cornell University | Photo Interp. |
| 4. Dr. T.U. Smith | Univ. of Kansas | Photo-Geology |
| 5. Dr. R.N. Colwell | Univ. Of Calif. | Photo Interp. |
| 6. George D. Whitmore | USGS | Cartography |
| 7. Dr. Frank Whitmore | | Military Geology |
| 8. Dr. Talbert Abrams | Abrems Inst. Co. | Photogrammetric
Instruments |
| 9. Russell K. Bean | USGS | Photogrammetric
Instruments |
| 10. Donald Rice | USCGS | Geodesy |

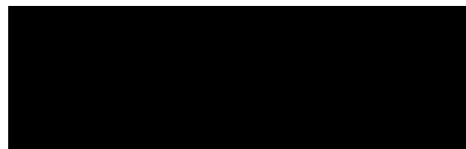
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| 11. | Eldon D. Sewell | Wright Patterson
USAF | Photogrammetry
Lens Testing |
| 12. | Mrs. Clairice L. Norton | Fairchild Camera &
Instrument Corp. | Lenses |
| 13. | Kenneth E. Reynolds | B & L Optical Co. | Photographic
Optics |
| 14. | Robert E. Altenhofen | USGS | Photo-Cartography |
| 15. | Everett L. Merritt | Photogrammetry Inc. | Photogrammetry |
| 16. | Robert R. Singleton | Aero Service Corp. | Photogrammetry,
Photo Interp. |
| 17. | Robert H. Kingsley, or
Duane F. Lyon | ACIC, St. Louis
"
" | Photo-Cartography
" |
| 18. | Guillermo Medina, or
Warren C. Crump | USN Hydrographic Office
" | Cartography
" |
| 19. | Col. Abell | C.O., Army Map Service | Cartography |
| 20. | Capt. V. Van Keuren or,
Mr. C.G. Coleman | USN, Photo Interpretation
Center | Photo Interp.
" |

4. A list of suggested institutions for possible visits by U.S. specialists follows on the next page.



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EDUCATION

1. Laboratory of Aerial Methods (Laboratoriya Aerometodov)
Moscow - Staromonetnyy Pereulok, No. 35
(Part of the Institute of Geography -- Moscow -- Staromonetnyy Per.No. 29)

During World War II this laboratory was engaged in the development of Military Photo Interpretation. This activity is also listed with the following names:

Air Photograph Exploitation Institute
Aero Photo Development and Interpretation Center
Air Force Photo Laboratory
Institute of Aero Methods.

2. Tsentral'nyy Nauchno-Issledovatel'skiy Institute Geodezii, Aeros 'yemki i Kartografii -- Moscow
Central Scientific Research Institute of Geodesy, Aerial Survey and Cartography with Section in Leningrad - Institute of Aerial Surveying.
3. Voenno-Inzenernaya Akademiya imeni V. V. Kuybeshava
Military Engineering Academy - Moscow
4. Voenno-Vozdushnaya Akademiya imeni N. E. Zhukovskogo
Military Air Academy - Moscow
5. "Arktekrazvedka" (Arctic Intelligence Institute) -- Moscow
6. Voronezh University -- Offer advanced degrees in Geodesy
7. Leningrad University -- Offer advanced degrees in Geodesy
8. Scientific Research Institute of Military Topographic Service -- Moscow.

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INSTRUMENTATION

(Training)

Universities (with specialization in optics)

AZERBAIDZHANSKIY (Baku)

VIL'NYUSSKIY

DNEPROPETROVSKIY

IRKUTSKIY

KAZANSKIY

KAZAKHSKIY

KIYEVSKIY

LATVIYSKIY (Riga)

ODESSKIY

SARATOVSKIY

TOMSKIY

UZBERSKIY (Samarkand)

Leningrad University has specialty in Theory of Astronomical Instruments.

INSTRUMENTATION (Geodetic & Photogrammetric)

(Training)

Moscow Machine Tool & Instrument Institute - Moscow, Per. No. 3-a
(Optical Instruments - precision)
MOSKOVSKIY STANKOINSTRUMENTAL'NIY INSTITUT

Moscow Higher Technical School, Moscow, Zaya Baumanskaya, #5
School with Dept. of Instrumentation, specialty in optics
& mechanical instruments for precise measurements.
MOSKOVSKOYE VYSSHEYE TEKHNICHESKOYE UCHKISCHE

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Leningrad Institute of Precision Mechanics & Optics, Leningrad,
Demider Per, No. 10
Five Departments, with precision mechanics, gyroscopic,
nautical, & time instruments, optical mechanics, specialty
in geodetic instruments.
LENINGRADSKIY INSTITUT TOCHNOY MEKHANIKI I OPTIKI.

Moscow Institute of Engineers & Geodesy, Aerial Surveying & Cartography,
Moscow, Gorokhovskiy, Per. No. 4.
MOSKOVSKIY INSTITUT INZHENEROV GEODEZII, AEROFOTOS' YEMKI
I KARTOGRAFII.

INSTRUMENTATION

(Research)

State Optical Institute, Leningrad, Vas. Ostrov, Birshevaya Liviya, No. 12-14
GOSUDARSTVENYY OPTICHESKIY INSTITUT (GOI)

Central Scientific Research Institute of Geodesy, Aerial Surveying and
Cartography
(Research in optics, directed to development of geodetic &
aerial surveying instruments)
TSENTRAL'NIY N. I. INSTITUT GEODEZII AEROS'YEMRI I KARTOGRAFII

OPTICAL GLASS MANUFACTURING PLANTS

LENZOS (LENINGRADSKIY ZAVOD OPTICHESKOGO STEKLA)
Leningrad Factory of Optical Glass

IZOS (IZYUMSKIY ZAVOD OPTICHESKOGO STEKLA)
Izyum Factory of Optical Glass, Izyum, Ukraine.

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GEODETIC & PHOTOGRAMMETRIC INSTRUMENT FACTORIES

- AEROGEOPRIBOR - Moscow (possibly ZAVOD GUGK)
(Main factory for geodetic instrument production)
- GEODEZIYA (Geodesy) Moscow, ZATSEPA, MALYA PIMENSKAYA No. 14
- GEOFIZIKA (Geophysics) Moscow, SOKOL'NIKI, Stromynka, No. 24
(ZAVOD MINISTERSTVA GEOLOGII - Factory of the Ministry
of Geology - possibly the same as GEOFIZIKA)
- ZAVOD MINISTERSTVA VOORUZHENNYKH SIL (Factory of the Ministry of
Armed Forces - Gravimeters)
- ZAVOD MINISTERSTVA VOORUZHENIYA (Factory of the Ministry of Re-Armament)
(Probably the same as GEODEZIYA, Mfgs. of optical
theodolites, photo-transformers, stereocomparators)
- ZAVOD G.U.G.K. (Factory of Main Directorate of Geodesy & Cartography)
(Probably same as AEROGEOPRIBOR) Makes stereoscopes,
astronomic universals, etc.
- LABORATORIYA G.U.G.K. (Laboratory of Main Directorate of Geodesy &
Cartography) Manufactures Multiplex and
Russian aerial cameras.
- KIYEV ARSENAL - Main production of ordinary photographic cameras,
some simple geodetic instruments.
- ZAVOD 393 (Factory 393, KRASNOGORSK, Moscow region) the Soviet
section of Zeiss.

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PLANTS FOR OPTICAL PARTS, SUCH AS LENSES, MIRRORS, PRISMS, ETC.

GOMZ (Abbreviation of State Optical Mechanical Plant, Zavod 349),
Leningrad, Vyborgskaya Strong, Chugunnaya Ul, No. 2a.

LOMZ (Abbreviation for Leningrad Optical Mechanical Plant, Zavod
No. 19) (Plant No. 19) (??)

ZEISS - Jena (Hauptwerk, Ludwerk, Nordwerk)
Also Schott & Genossen Glass Factory at Jena
Dresden Plant

LYUBERTSKY (Optical Glass Factory No. 233) ajoins village of
LITKARINO (Mfgs glass, mirrors, prisms, etc.)

KLIN (Instrument Plant No. 589) Geofizika Optical Instrument Factory
and Glass Factory

ZOMZ (Zagorsk) Optical Instrument Factory, mfgs. optical units,
measuring units, microscopes, calculating machines.

MAMONTOVKA, Prisma Factory (Gun sights, bomb sights, periscopes,
gyroscopic controls, optical and electrical units.

ZAVOD No. 19 (Plant No. 19)

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