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US Army Foreign Science and Technology Center [a brochure]

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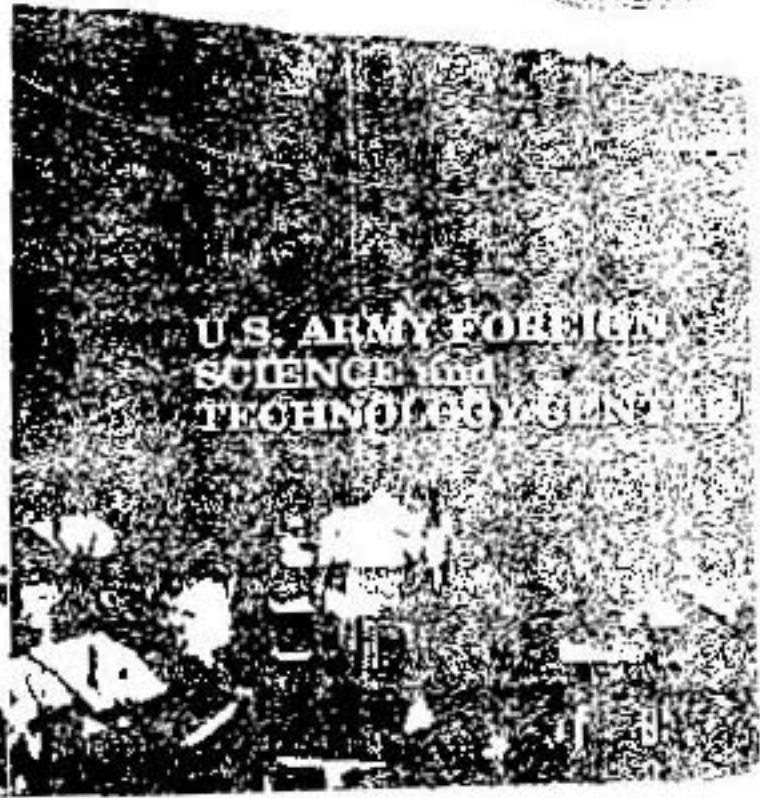
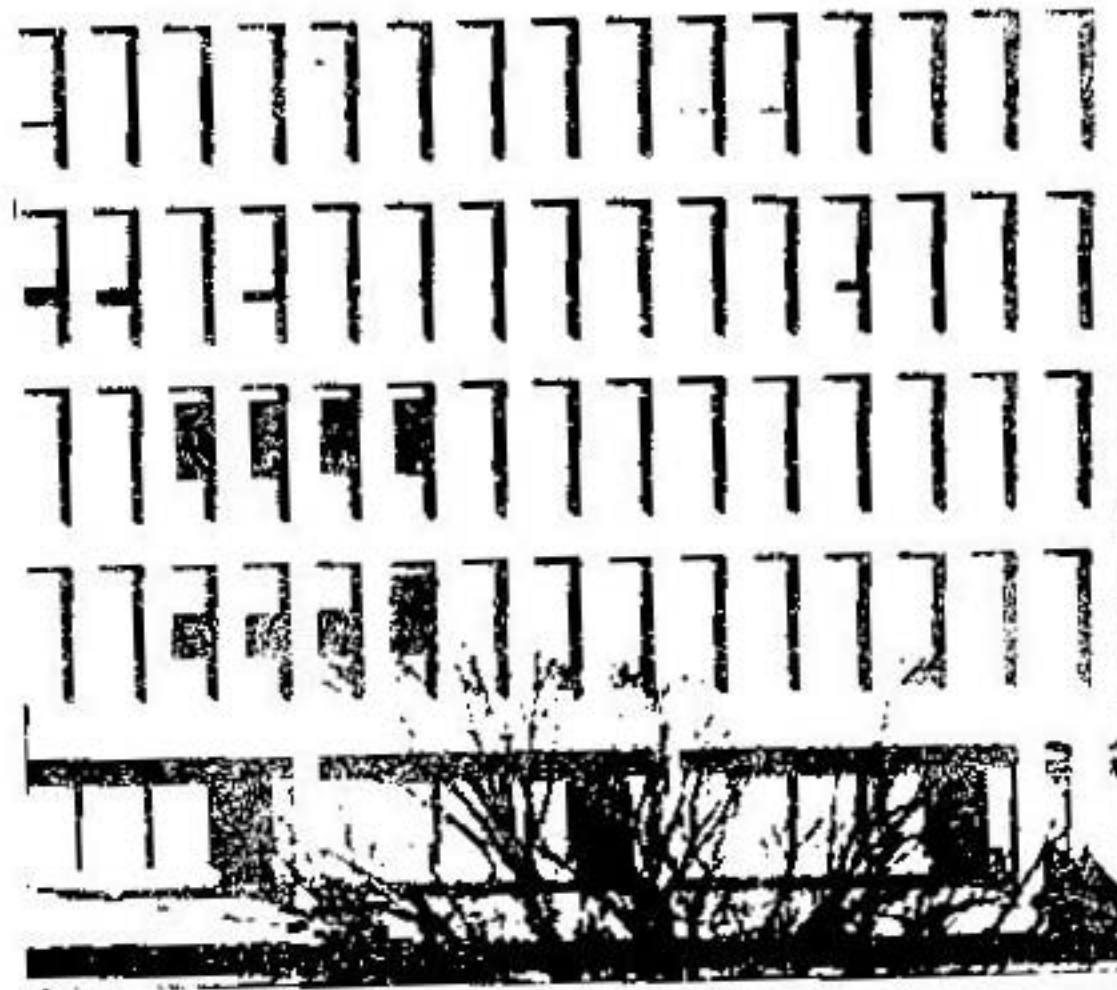
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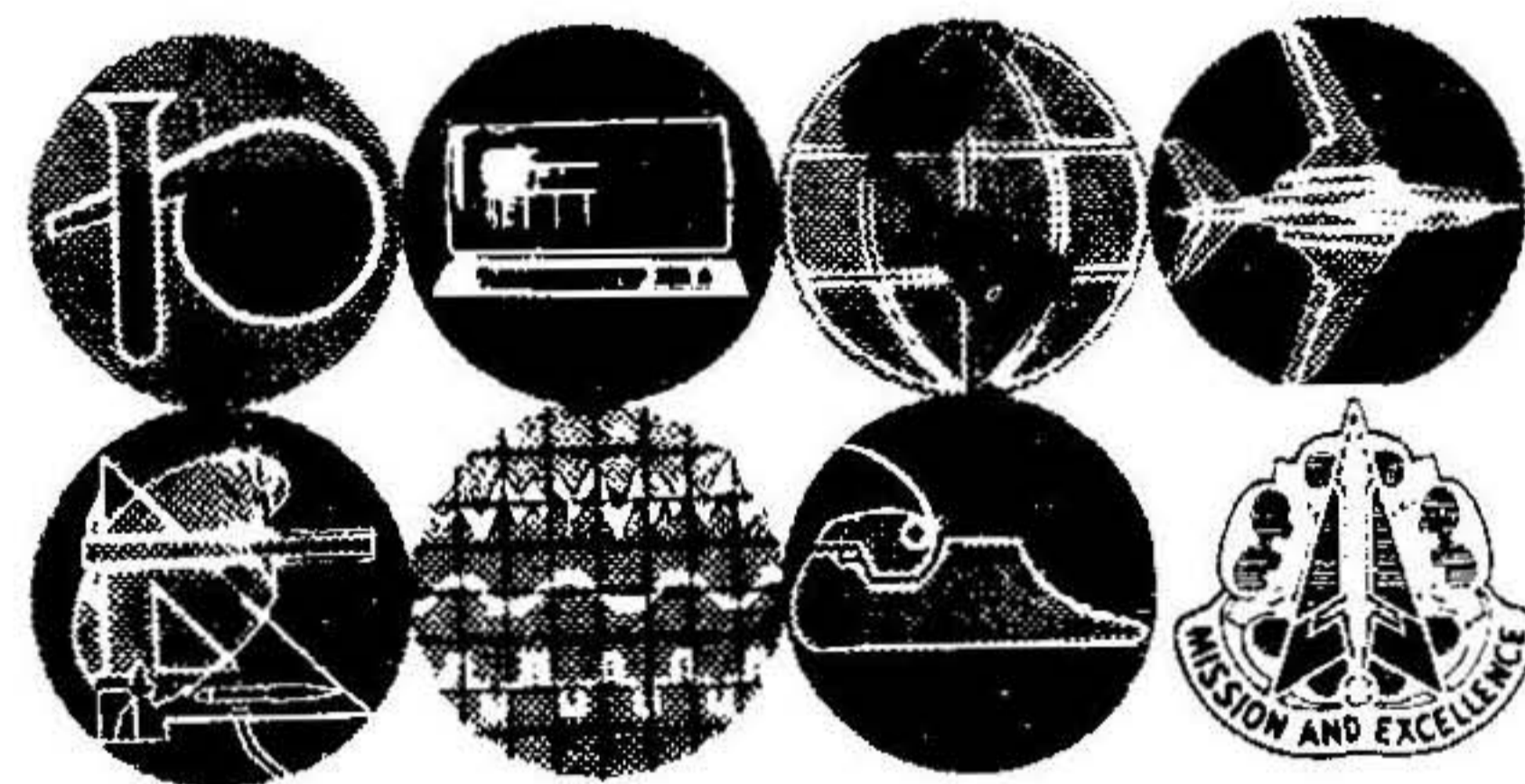
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U.S. Army Foreign Science and Technology Center
220 Seventh Street, N.E.
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COMMANDER'S WELCOME

I am happy to provide this brief orientation on the U.S. Army Foreign Science and Technology Center (FSTC).

Keeping abreast of foreign scientific and technological developments is a dynamic operation. In this age of technology, changes occur very quickly. What is advanced technology today may be outdated tomorrow. Our role supporting the U.S. Army materiel development, combat development, force development, and intelligence efforts requires constant analysis of foreign military research development and acquisition programs, but keeping abreast of the competition is not enough—we must maintain a substantial lead.

You will find, I am sure, that scientific and technical research and analysis are interesting and complex undertakings. I trust your association with FSTC will be both rewarding and enlightening.

This brochure provides capsule information about our Center, its history, and mission; however, should any questions arise, please do not hesitate to ask for assistance.

MISSION & FUNCTIONS



The mission of the U.S. Army Foreign Science and Technology Center is to provide:

Improved user community knowledge of current and projected assigned foreign ground forces systems and related sciences and technologies to enable informed choices by materiel, combat, and force developers and to support national intelligence efforts.

FSTC is responsible to the Army Intelligence Agency (AIA) and the Army Assistant Chief of Staff for Intelligence (ASCI) for accomplishing this mission by:

- **MANAGEMENT EMBODYING:**

- Center-wide commitment to manage FSTC as a purposeful, achieving, fulfilling, supportive, credible, successful, cooperative, and dynamic organization with high integrity
- Decentralized organizational roles and alignment of responsibility, accountability, and authority with these roles
- A work force with appropriate balance and grade distribution and an environment to encourage personal growth, recognition, and equal opportunity
- Results orientation
- Effective production planning and institutional planning

- **COLLECTION:**

- Scientific and Technical Information (S&TI) gaps described, explained, targeted, formatted, prioritized, and delivered to action agencies for collection
- Acquisition of free world and Eurasian Communist Countries (ECC) S&T information concerning foreign ground force systems and related sciences and technologies and satisfaction of validated intelligence collection requirements

- **MATERIEL ACQUISITION:**

- Foreign materiel embodying technology of interest or constituting an identified or potential threat acquired for exploitation and DT/OT use by materiel and combat developers

- **MATERIEL EXPLOITATION:**

- Measured data resulting from foreign materiel exploitation available to the Army for inclusion in intelligence data base, direct application by materiel developers, development of doctrine and training, and simulator systems

- **INTELLIGENCE PRODUCTION:**

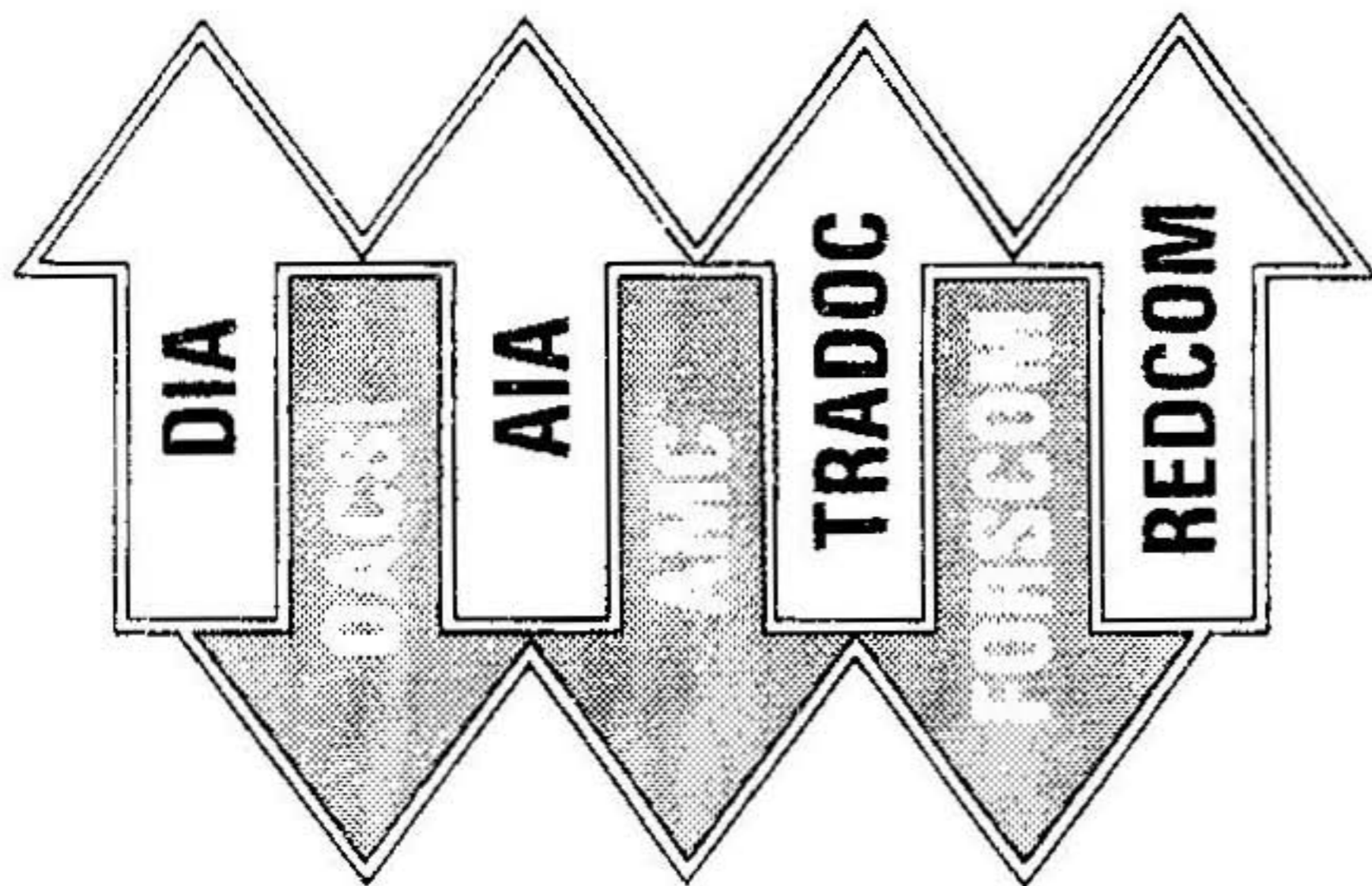
- Timely, finished, all-source scientific and technical intelligence (S&TI) products concerning current and projected assigned foreign ground force systems and related sciences and technologies

- **SUPPORT:**

- Information management and technical services support required for S&TI production such as acquisition, processing, translation, and distribution of information, preparation of copy, provision of graphics, and printing
- Automated data storage, manipulation, dissemination, and information management to expeditiously handle an increased volume of S&TI data and to facilitate effective Center operations and management

- **DISSEMINATION:**

- Timely, finished, all-source S&TI furnished to the user community in one or more output media such as hard cover products, briefings (oral and published), "magnetic media/electronic data base transfers," letters, messages, and telephonic responses



EXTERNAL RELATIONSHIPS

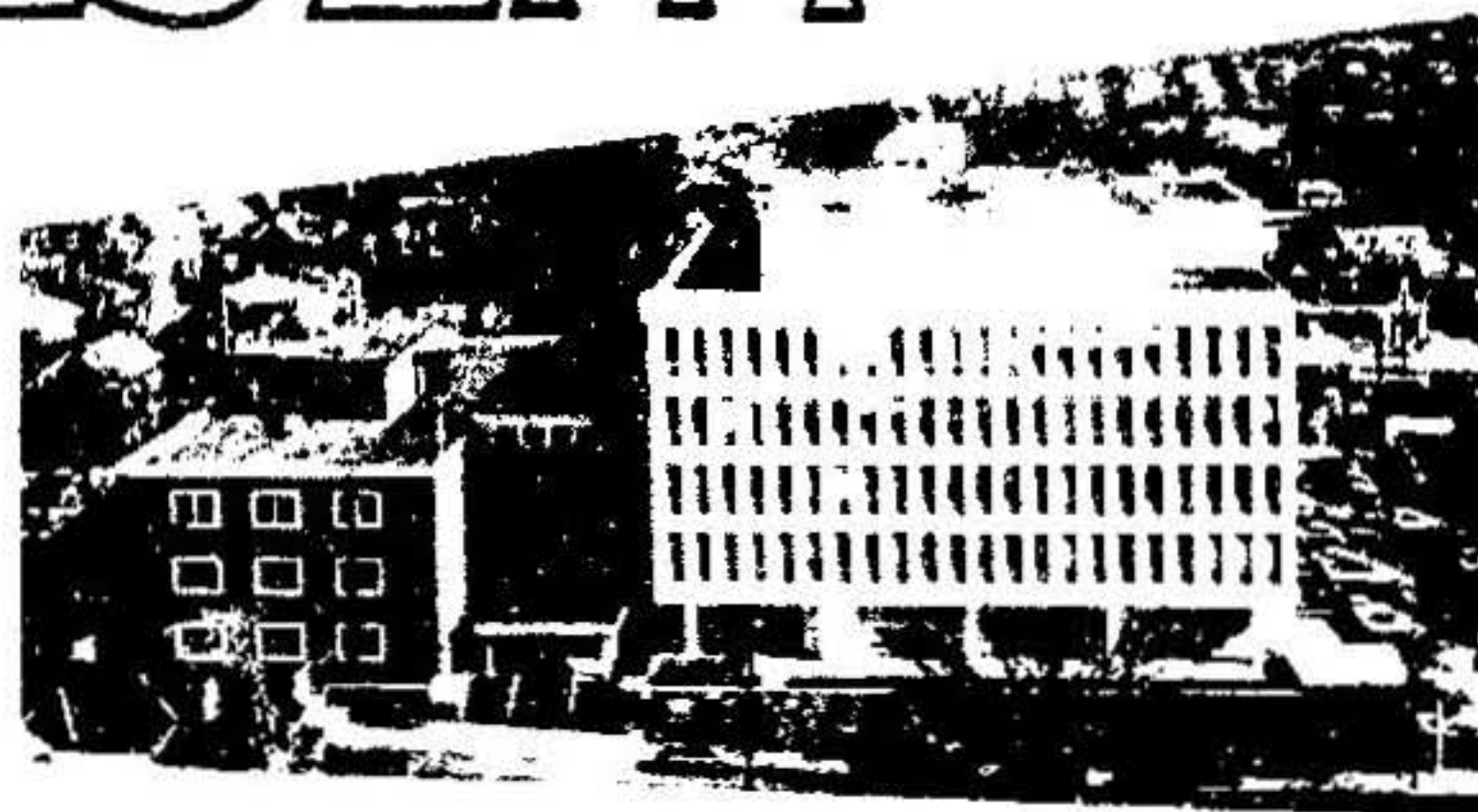
External relationships and scientific and technical intelligence support are subject to the following controls and supervision:

1. **The Defense Intelligence Agency (DIA) is responsible for the overall management and review of all phases of the scientific and technical intelligence (S&TI) cycle. Unified and specified commands and non-Department of Defense organizations may obtain S&TI assistance through DIA-DT.**
2. **The HQ, U.S. Army Intelligence Agency (AIA), a Field Operating Agency of the Assistant Chief of Staff for Intelligence (ACSI), Department of the Army, provides command, operational, and staff supervision over the Army's intelligence production centers and efforts. All Army activities may obtain intelligence assistance through the AIA. Sister services requiring Army support should direct requirements to HQDA (DAMI-FI).**
3. **Army elements requiring intelligence assistance should direct recurring requirements through command staff intelligence offices to their respective MACOM's for forwarding to the AIA.**
4. **Quick reaction and customer service requirements for assistance may be submitted directly to FSTC, and initial contact with this Center should be established through the Plans and Operations Division, AIAST-PR-PO, AUTOVON 274-7411, or Commercial (804) 296-5171, extension 411.**



1962 PRESENT

Prior to the reorganization of the Army in 1962, the Army's S&T intelligence efforts were part of the Technical Branch of DACSI, DA, and the Technical Services. The Technical Services intelligence offices operated independently, utilizing their own resources and facilities designed to meet their own special requirements. In the late 1950s most of the Technical Services intelligence offices and the Technical Branch, DACSI, were placed under one roof at Arlington Hall Station, Arlington, Virginia – a move that facilitated their merger in 1962.



On 1 August 1962 the U.S. Army Foreign Science and Technology Center was established as a separate activity under the operational control of the U.S. Army Materiel Command, with duty station at Arlington Hall Station. For the most part FSTC was staffed with "hardware" oriented personnel from the technical services where emphasis had been on weapon characteristics. Mission requirements soon established the need for staffing in the engineering and scientific fields.

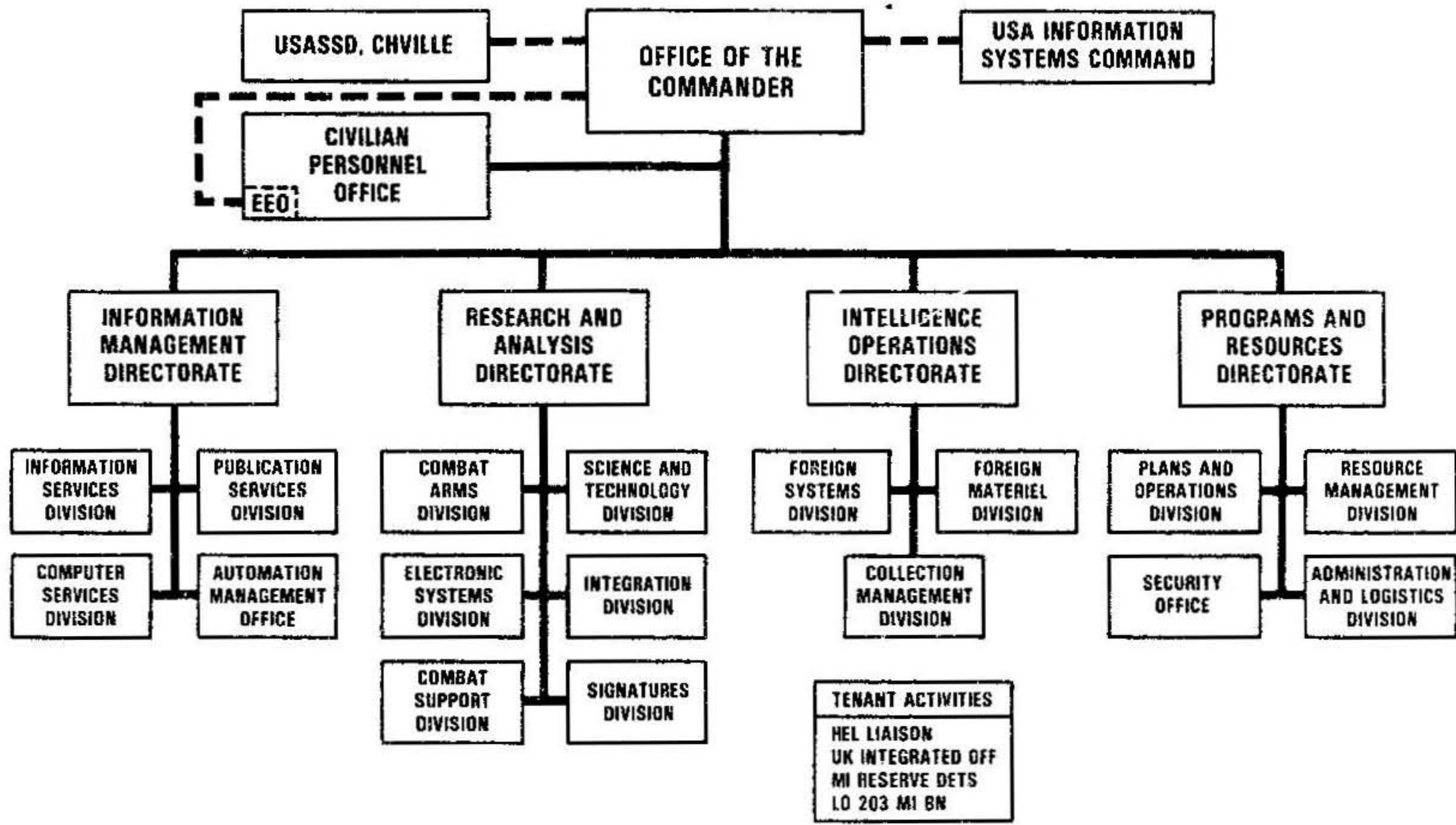
In September 1963, FSTC was moved from Arlington Hall Station to the Munitions Building in Washington, DC. This was the FSTC home for almost 7 years. During these years the authorized strength fluctuated from a low of 420 to a high of 628. The recruitment of engineers and scientists was a slow process. In January 1970 FSTC was notified that it would make an interim move from the Munitions Building to Building T-7, Gravelly Point, Washington, DC, in April 1970 with a final move scheduled in August 1970 to Charlottesville, VA. These moves were completed on schedule.

Since FSTC moved to Charlottesville many highly qualified scientists and engineers have been added to the staff. Available in the FSTC work force are such skills as chemists, chemical engineers, biochemists, biologists, microbiologists, physicists, physical scientists, general engineers, civil engineers, electronic and electrical engineers, materials engineers, metallurgists, cartographers, geographers, nuclear engineers, mechanical engineers, aerospace engineers, mathematicians, operations research analysts, and computer scientists – all supported by intelligence research and intelligence operations analysts, technical information specialists, technical editors, and linguists.

On 30 April 1985, FSTC along with the Missile & Space Intelligence Center (MSIC) and the Intelligence and Threat Analysis Center (ITAC) were transferred and became the three Army intelligence production centers making up the new U.S. Army Intelligence Agency, a Field Operating Agency of the Assistant Chief of Staff for Intelligence (ACSI), Department of the Army.

FSTC
ORGANIZATION
CHART

TDA
XKWOKPAA



DIRECTORATE RESPONSIBILITIES

The FSTC organization provides for four directorates, the Research and Analysis Directorate, the Information Management Directorate, the Programs and Resources Directorate, and the Intelligence Operations Directorate. Mission statements for each are as follows:



RESEARCH AND ANALYSIS DIRECTORATE

Timely, disseminated, responsive, valid intelligence analysis and estimates (to include identification of information gaps, current descriptions, and future projections) of the S&T status of assigned foreign military systems. The divisions in this directorate are:

Combat Arms Division: Responsible for all foreign combat arms weapon systems that comprise ground force firepower, including their characteristics, components, deployment, and employment.

Combat Support Division: Responsible for the air, ground, life support systems that enhance and degrade combat mobility, and the engineer and technology bases involved.

Electronic Systems Division: Responsible for advanced electronics technologies and fielded electronic systems, their characteristics, components, deployment, and employment required to maintain and support ground force operations.

Integration Division: Responsible for assessment of foreign chemical warfare capabilities; foreign research/development/acquisition policies, methods, facilities, and R&D programs; production and planning of Center integrated (multi-divisional) products; processing Center current intelligence products and presentation of CI briefings; point source for actions related to special category data and sensitive source sanitization; editing and quality assurance of Center intelligence products.

Science and Technology Division: Responsible for the assessment of foreign science and technologies and their potential impact on future ground force weapon systems.

Signatures Division: Responsible for providing coordinated intelligence defining foreign military system signatures in response to FSTC system program managers whose requirements are driven by DIA, CIA, NSA, and AIA as well as other national policy makers in Army, Navy, and Air Force.

DIRECTORATE RESPONSIBILITIES (cont.)

2 INFORMATION MANAGEMENT DIRECTORATE

Information management and technical services enabling the production of highest quality scientific and technical intelligence (S&TI) and the effective management of Center resources and operations. The divisions and offices in this directorate are:

Automation Management Office: Plans, budgets, acquires, and monitors all automated support required by FSTC. Administers FSTC data base management systems. Ensures integration of local automation plans with those of intelligence counterparts and S&T intelligence consumers.

Computer Services Division: Serves as the automation technology base for FSTC providing intelligence data handling and scientific data processing services to include systems design and programming, computer operations, systems/network engineering, user training and assistance, and interactive access to local and national level all-source data bases and information processing capabilities.

Information Service Division: Operates a multidisciplinary all-source, foreign scientific and technical information center.

Publication Services Division: Supports intelligence production by composing scientific and technical publications. Provides lithography and photocopying; graphic arts, including photography (still and motion picture); briefers' transparencies; audiovisual functions; and exhibits.

DIRECTORATE RESPONSIBILITIES (cont.)

3 INTELLIGENCE OPERATIONS DIRECTORATE

Manages the Army Foreign Materiel Program; foreign materiel embodying technologies of interest or constituting an identified or potential threat acquired; physical and performance data determined through exploitation made available to all Army users; technically accurate precision scale models provided for analysis of selected foreign systems. The divisions in this directorate are:

Collection Management Division: Operates the all-source, worldwide scientific and technical information collection management effort in support of FSTC, AIA, OACSI, DA, and DIA, as required.

Foreign Materiel Division: Management responsibility and authority for the Army Foreign Materiel Program functions of materiel acquisition, exploitation, development of the Army program, and production of reports.

Foreign Systems Division: Management responsibility and authority for the Army Foreign Materiel Program functions of inventory management, system maintenance, scale model production, limited exploitation, and operation of the Army FMP receiving point.

DIRECTORATE RESPONSIBILITIES (cont.)

4 PROGRAMS AND RESOURCES DIRECTORATE

Provides integrated program and resource development and support enabling the highest quality scientific and technical intelligence (S&TI) and the effective management of Center resources, programs, operations, and facilities. The divisions and offices in this directorate are:

Administration and Logistics Division: Manages all administrative and logistics programs of the Center. Provides military personnel, mail, records management, and the entire range of logistics services to FSTC.

Plans and Operations Division: Provides program management support to the intelligence production program within FSTC. Manages all Center-wide planning activities and the briefing/visitor control program.

Resources Management Division: Provides resource management support – including programming, budget, internal review, force development, and travel – to the Center. Ensures the effective utilization of Center resources.

Security Office: Provides a complete range of security and preservation of order services to support the Center S&TI production process, its personnel, facilities, operations, and to achieve management objectives. Exercises oversight by monitoring intelligence functions and ensuring compliance with security guidance and directives.



PRODUCTS

**U.S. ARMY FOREIGN SCIENCE
AND TECHNOLOGY CENTER**

The following products are produced in response to validated tasking levied by DIA and AIA. For the most part these products are the result of Intelligence Production Requirements.

Group I-- DIA Scientific and Technical Intelligence Products: Intelligence documents of national interest produced by FSTC, approved and published as DIA products.

Group II-- DIA Scientific and Technical Intelligence Products: Intelligence documents of Army interest produced by FSTC for Army distribution, published under the DIA Intelligence Production Program.

FSTC Scientific and Technical Intelligence Products: Intelligence documents of limited Army interest published for limited Army distribution.

Current Intelligence Products: Scientific and Technical Analysis Bulletin (STAB)
Biweekly Intelligence Summary (BIS)
Army Scientific and Technical Intelligence Bulletin (ASTIB)

Foreign Materiel Exploitation reports.

Foreign Materiel Catalog: A multivolume series covering a wide range of foreign weapons and equipment of primary interest to the U.S. Army and other agencies.

Technical ELINT reports (ELT): Finished intelligence reports on ELINT signals of Army interest.

Translations.

Quick-Reaction Products: Other products produced, in addition to DIA validated tasks, are the various reports developed in response to unscheduled scientific and technical intelligence requirements, e.g., briefings, letter reports, special reports, and messages.

Army Intelligence Briefing Catalog: A listing of briefings currently available by FSTC, MSIC, iTAC & AFMIC analysts. These briefings may be ordered on microfiche and hard copy.

Summary of FMP Activities: A concise summary of all foreign systems exploitation projects.

FSTC provides direct support to AIA and DA with a wide variety of scientific and technical products designed to fill both immediate and short-range requirements of the Army consumers and the R&D community. Among those products most frequently produced are the letter and message reports responding to specific requirements of limited scope. FSTC also presents approximately 1000 briefings and distributes approximately 1500 briefings in microfiche or hard copy annually covering the entire spectrum of foreign scientific and technical development. These briefings provide one of the most suitable media for the dissemination of current and perishable intelligence and are presented to audiences at all levels ranging from R&D technical personnel to the highest national command elements.

COME SEE US IN C'VILLE

From WASHINGTON, DC—Take any major route that connects with US Rt. 29 South (dotted line on map, opposite page) to Culpepper. Take US 29 South to US 250 East. Charlottesville to Park Street exit. Right onto Park Street and follow to High Street. Left and go one block (7th Street), turn right and go one block. FSTC is situated at the corner of 7th & East Jefferson Streets. See Map on page 22 for location of city parking garage.

