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MACHINE DIVISION

This chapter will deal with those aspects of the Machine Bivision (MD) not related to the Intellofax System. 50 per cent of MD's activities from 1947-67 were devoted to the Intellofax System and as such are discussed in detail in the chapter (Intellofax.)

Wegntation/1/120/ MD provided the mechanical add technical assets which enabled OCD to achieve the first two functions assigned to the office by Regulation No. 1-130:

a. Design, develop, and operate such central reference facilities as will ensure that the content of all available intelligence materials is immediately accessible to all offices of the Agency in support of intelligence production; and

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b. In collaboration with the Management Staff, conduct research into, and advise Agency components upon, the application of machine techniques and special devices to problems of information control and bibliographic research.

The mission of the Machine Division was to perform the following tasks:

- a. Maintain and service various files, capable of being mechanically handled, which index and or provide organized data related to intelligence information held by certain Office components, and upon request, within its manpower calabilities, perform similar functions services for other Agency components.
- b. Investigate and develop, when necessary new equipment which will aid in the information processing problems of the DD/I.

 Upon request and in conjunction with the Management Staff perform a similar service for other Agency components.
- c. Provide methods and systems planning service relative to the use of data processing equipment in handling intelligence information.
- d. Maintain and service machines or equipment which are not readily maintained under service contract.

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Approved For Release 1999/09/24 : CIA-RDP84-00951R000300030008-0 Historically the Machine Division had three names from 1916-67. Reference Center of It was called the Coentral Index of the Office of Reports and Estimates (ORE) from late 1946 until the merger of the Reference Center with the in May 1948. Office of Collection of/ Dissemination (OCD). Under the new OCD, it was (MMD) designated the Machine Methods Division which name it retailed until (MD) 1950 when it became the Machine Division, and so remained until Sept 1966 when OCA reorganized and the machine elements were named the Machine Support Division. It will henceforth be referred to as MD in this " hay (mura the whapter MD had four chiefs during its 20 years of existence: white manh March its inception in 1947, until he transferred to 25X1A9a the Management Staff in September 1950 as chief of a machine planning and 25X1A9a development group for the Agency. who also reported for duty $^{ m M}$ arch 25X1A9a in 1947 had been deputy and had been responsible for thr development of much of the early equipment for the central reference facilities. He served as chief until September 1954 when he 1414/46 joined Eastman Kodak Company, particularly in the Minicard department. 25X1A9a who had been Assistant CHief of the Special Register(SR) and responsible for the machine developments in SR, served as chief of January 25X1A9a until he passed on suddenly inttthe fatt A low Assistant Chief since 1957, directed the operationsof the Division until he fetired in 1971.

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as a Navy Commander who had headed a karge IBM indexing

by/Kenneth/fateptt/ as Chief of the Indexing Division of the Contact Register, Office of the Reports and Estimate (ORE) .

When he reported for duty on February (\$\frac{1}{2}\$ 1947 he was placed in charge In March 1947 its of the Central Index. The statement of mission was stated to be a was outlined as:

> Index, by/machine/methods business machine procedures the subject matter of all available reports, and other documents, of a foreign intelligence nature.

Areparee and distribute accession lists of all newly acquired, important foreign intelligence documents.

Locate and identify upon request all available intelligence materia. Is pertaining to any specific foreign subject or area.

Analyze the Index at regular intervals to determine superabundance or dearth of available documentary fortegn intelligence on any subject of interest to the national security.

Apprise the pertinent offices of shell the results of such analyses for appropriate action.

6. Provide, upon request, complete bibliogarphices of avallable intelligence material on any specific foreign subject or area.

7. Maontain and analyze the IBM card files of Foreign Funds Control and similar special TBM files for listings and statistical intelligence information within the capabilitird and physical limitations of the Reference Branch.

8. Acquire, code, and process the special US Bombing Surve Reports and similar documentary files within the limits set down by responsible intelligence and research offices, and limited only by the capabilities and physical limitations of the Reference Branch.

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wrote to theAC/Reference enter that By August

the functions of the Central Index had broadened since March to answer the increased needs of the various Central Intelligence Group (CIG) units for

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and in conjunction with the Management Staff perform a similar service for other Agency components.

(3) Provide methods and systems planning service relative to the use of data processing equipment in handling intelligence information. (b) Maintain and service machinez or equipment which are not readily maintained under service contract.

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abstracts of documentary material and to perform the work of indexing and cataloging the Foreign Broadcast intercepts on a machine basis. (See chaper ________ Intellofax). The With a ceiling of 18 people set for 1948 and 23 for 1949, Mr. felt that the Central Index Yould undertake only that portion of the mission which related to the Intelligence Documents 1/

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25X1A9a 25X1A9a Division (Library).

who became deputy, reported

for daty in March.

> By 1948 a T/O of 3 was on the books contemplated.

In addition to the administrative and edee
In requesting an increase in grade for the Chief, the
Assistant Director/OCD added the following responsibilities:

1. ZAct as consultant on matters involving all types of office machine operations and technical procedures for CLS and member agencies.

2. Maintains convens liaison with specialists both in technical continuous

industries and companies outside the government and with specialists in the intelligence offices associated with CIA.

3. Maintain continuous study, investigations and research in the field of management engineering to a same the use of the most efficient and up-to-date methods and procedures in earrying out the mission of the Reference enter.

1/ Memo, C, Central Index to Acting Chief, Reference Cemter, 15 Aug 47, sub: 1949 Table of Organization for the Central Index. S. File: Tayles of Organization 1947-51 Job: 58-98/6

2/ Central Index Increase in Grades. (undated, probably 1948) S. File: Ibid

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the machine operations until he retired in 1971.

With a T/O of 18 people set for 1948 and 23 for

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indicated that the Central Index could undertake only that portion of the mission which related to the Intelligence Documents Division (Library), namely the indexing of documents for the Intellofax System, and the indexing of the Fereign Broadcast In requesting a grade raise for the Chief, the Assistant Director (AD)/CD added the following responsibilities:

1. Act as consultant on matters involving all types of office machine operations and technical procedures for CIA and member agencies.

2. Maintain continuous liaison with specialists both in technical industries and companies outside the government and with specialists in the intelligence offices associated with CIA.

3. Maintain continuous study, investigations, and rescarch in the field of management engineering to assure the use of the most efficient and up-to-date methods and procedures in carrying out the mission of the efference center.

Those three responsibilities set the tone for the complishments of the MD during the next #7445# 19 years. on the part of MD tep #7445# managers for new and improved methods in machine techniques, not only for OCD/OCR but also for other Agency components.

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^{1/} Memo, C, Central Index to Acting Chief, Reference Center, 15
Aug 17, sub: 1919 Tables of Organization for the Central Index, S.
File: Tables of Organization 1917-51 Job: 58-98/6
2/ Central Index Increase in Grades. (undated, 1914 probably early 1948)

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survey of machine methods it was sg

The book and periodical subscription purchase record maintained by the CIA Lobrary was placed on a punched-card basis in

1949. while sections for the districted Registers in OOD, Biographic of Industrial with the Biographic Mentile (IR) be established the bid the Biographic Mentile (IR) be established their own machine operations. As an alternative to transferring all machine operations to a single jurisdiction, James M. Andrews, Assistant Director of OCD, appointed the Chief, MMD to exerise general surveillance over all OCD machine operations, and the machine operations of the /July 1958 In, with MD were marged

1/Memo, AD/CD to all Bivisuons, 16 Dec 49, sub: Coordination in Machine Methods. File: OUR History-Doc 1946-52 Job: 59-875/1

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Indicative of the work MD did in addi

is the list of tabulating card/n///////// files maintained as a service

to Agency components:

all domestico

The Library Book Order file used to compile statistical reports regarding books that are procured by Idbrary. It was used to compile statistical reports (MD)

South the punches in My for brushe forther books to purched subscription)

The Card atalog file was an index to all books in the CIA Library. The file, although located in the Library, was maintained by MD.

Three files, the Film. Spot Photography, and ersnality were indexes to material held by or available to OCR's Graphics register. The Film file was an index to the mption picture films; the Spot Photography file was an index to ground photography, and the Personality 1174 Photograph File was elile of photographs of persons.

Three files, the Film (motion picture films), Spot Photography (ground photography), and Personality (photographs of persons), were indexes to material held by or available to OCR's Graphics Register.

The Intellofax file, arranged by subject and area codes, was an index to the into income neports on file in the Library.

Film Aperture work file was used for statistical purpeses in Me and was also as an index to the film storex at Wial Reports.

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L.

was maintained for DD/P, was used to prepare machine listings of information related to people traveling to and from Bloc countries.

25X1B4d file was used for preparing machine listings for ORR for the analysis of freignt traffic and

The River Register file was used for preparing machine registers of Russian river vessels for ORR.

The Special Check List file, containing the names of business establishments outside the Soviet Bloc with business transactions with Bloc countries, was used for preparing machine listings for ORR. (started in February 1952)

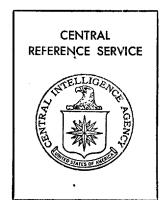
The ORR Time Study file was maintained analysis of time exhanded on research projects in ORR.

The Policy and Program Co-ordination file, maintained for the War Plans Division of DD/P, contained names and indentifyd For Releasted 999/09/24 on CIAN REPRESA 10095 PRO00300030006 Or evacuation from their native countries in case of ware

www. AD/CD to Action AD/DK.

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R. The graphical latitude and longitude of the primary bombing targets in China and the Soviet Bloc countries.

(Source documents did not indicate which office in CIA was the primary user.)

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In \$\ 1966 the following statistical data indicated the amount

of money spent on extra-office machine support the welves the

Expenditures: FY 1963

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FY 1964 FY 1965 FY 1966

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charged with the responsibility for the development and efficient operation of special machines and equipment for OCD, and for providing advisory services for CTA offices and //// Intelligence

A dvisory Committee (IAC) other intelligence agencies on the availability and use of new machine methods and equipment for intelligence operations, the machine experts in OCD were always looking for and experimenting with new systems and/or equipment. A few of these during the early 1950's included the following: (1) The Intelligence

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It was helped that

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Project. MD worked closely with OSI, which had originally sponsored this project with the

special personnel. Using a machine developed by

and his team from spent many months with MD personnel and 25X1A5a1

Make mm an

spent/ Dr.

ocd indexing personnel in testing a comprehensive coding system which would need to make the media (moscular of the constructed from the terminology of science and technology. Er. Andrews stated to the commended in November 1952 that he did not feel much tangible benefit would be gained by the project and he did not approve of an

extension of the contract. (2) The Rapid Selector roject. This project

was carried on jointly between ORR personnel and

The basic idea was to combine a picture of a document or photograph on film with a dot code pattern immediately preceding it and using the Rapid Film Selector. MD commented that the system would require a complete search of all material and that it would not be possible to process the film until all scanning had been completed. Therefore, the system was considered too slow and cumbersome for OCD's made production requirements. By 1954/55 OPP WINTERM / MD was heavily involved in the

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Minicard more interested and involved in the Minicard development (see chapter ____ Intellofax) and felt that it could do a

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