

**F.O.I.A.**

**JULIUS ROSENBERG ET AL.**

**FILE DESCRIPTION**

                    HQ                     **FILE**

**SUBJECT**                     Fuchs                    

**FILE NO.**                     65-58805                    

**VOLUME NO.**                     33                    

**SERIALS**

                    1221                    

                    1247

## NOTICE

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File No: 65-58805  
ALC 10 33

Re: FUGITIVE KLAUS  
MICERUPOL V PILESE

Date: \_\_\_\_\_  
(month/year)

Serial	Date	Description (Type of communication, to, from)	No. of Pages		Exemptions used or to whom referred (Identify statute if (b)(3) cited)
			Actual	Released	
1221	5-14-50	NH Rept HQ	9	9	b1 b2 b7C b7D
1222	5-19-50	HQ TT NY	1	-	Disposition in Brothman 100-365040-49
1223	5-22-50	SF let HQ	2	2	b1
1224	5-23-50	London cable HQ	1	0	b1
1225	5-23-50	London cable HQ	1	0	b1
1226	5-23-50	PH TT HQ	1	1	
1227	5-24-50	Belmont memo Ladd	1	1	
1228	5-24-50	IP let HQ	1	1	
1229	5-24-50	Ladd memo Belmont	1	1	
1230	5-26-50	NY let HQ	1	1	
1231	5-31-50	HQ TT Legat London	1	0	b1
1232	3-21-50	Hannrich memo Belmont	1	1	

21 17 3 0 1 0  
 rev rel deny ref presumed preproc

File No: 65-58805

Re: FUCHS, KLAUS

Date: \_\_\_\_\_  
(month/year)

Serial	Date	Description (Type of communication, to, from)	No. of Pages		Exemptions used or, to whom referred (Identify statute if (b)(3) cited)
			Actual	Released	
1233	5-29-50	HQ TT Legat London	1	0	b1
NR	5-28-50	NY TT HQ	4	-	disposition in Gold 65-57449-143
NR	5-28-50	HQ TT NY	3	-	disposition in Gold 65-57449-136
1234	6-1-50	HQ TT Legat London	1	0	b1
NR	5-25-50	CG let HQ	3	-	disposition in Gold 65-57449-173
NR	5-31-50	HQ TT NY	1	-	disposition in Gold 65-57449-157
1235	6-1-50	HQ TT NY	2	0	b1
NR	5-29-50	HQ let AG land	1/30	-	disposition in Gold 65-57449-182
NR	5-24-50	Hennrich memo Belmont	1	-	disposition in Gold 65-57449-100
1236	5-24-50	HQ let Army	6	6	
1237	5-25-50	London cable HQ	1	0	b1
1238	5-23-50	BS TT HQ	1	1	

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 rev rel deny ref presumed proper

File No: 65-58805

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(month/year)

Serial	Date	Description (Type of communication, to, from)	No. of Pages		Exemptions used or, to whom referred (Identify statute if (b)(3) cited)
			Actual	Released	
1239	5-24-50	AQ let HQ	1	1	
1240	5-24-50	HQ let Secretary of Defense	6	6	
1241	5-23-50	NY let HQ	1	1	
1242	5-22-50	London cable HQ	1	0	b1
1243	5-22-50	London cable HQ	1	0	b1
1244	4-14-50	Liaison Ottawa let HQ/and	2 1/2	4 1/2	b1 b7D
1245	5-25-50	Ladd memo HQ	8	8	b1
NR	5-25-50	Telegram State	1	1	
NR	5-29-50	EV let HQ	1	-	disposition in doc 65-57449-256
1246	6-2-50	HQ let CIA	10	9	b1 per DOE
1246	6-2-50	National Security Council HQ let	10	9	b1 per DOE
1246	6-2-50	Armed Forces Security Agency HQ let	9	8	b1 per DOE

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File No: 65-58805

Re: FICHS, KLAUS

Date: \_\_\_\_\_  
(month/year)

Serial	Date	Description (Type of communication, to, from)	No. of Pages		Exemptions used or, to whom referred (Identify statute if (b)(3) cited)
			Actual	Released	
1246	6-2-50	HQ let Secretary of Defense	10	9	b1 per DOE
1246	6-2-50	Special Emphasis HQ let to the President	10	9	b1 per DOE
1246	6-2-50	HQ let Army	10	9	b1 per DOE
1246	5-26-50	Belmont memo Padd	1	1	
1247	5-22-50	Padd memo HQ	2	2	b1 per DOE

33  
rev rel deny ref presumed proper

# FEDERAL BUREAU OF INVESTIGATION

Form No. 1  
THIS CASE ORIGINATED AT **NEW YORK**

**TOP SECRET** NH FILE NO 65-1317 2d

REPORT MADE AT <b>NEW HAVEN</b>	DATE WHEN MADE <b>5/29/50</b>	PERIOD FOR WHICH MADE <b>3/29,30;4/3,10; 5/8,12/50</b>	REPORT MADE BY <b>TOP SECRET</b> <b>FRANCIS X. MC BRIDE</b>
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TITLE <b>EMIL JULIUS KLAUS FUCHS, was., Dr. Karl Fuchs, Klaus Fuchs, Klaus Emil Fuchs</b>	CHARACTER OF CASE <b>ESPIONAGE - R</b>
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**SYNOPSIS OF FACTS:**

ADMINISTRATIVE REPORT

Unknown individual who contacted JOSEPH ARNOLD ROBBINS, Wa., JOSEPH REGENSTREICH, on 3/27/50 at 159 East 86th St., NYC, and thereafter surveilled to Greenwich, Conn., identified as RUBIN DREHER. Registrar of Voter's records in Greenwich, Conn. indicated DREHER born 1/22/11 at NYC and employed during 1944 as an accountant by Restaurant Accounting Co., 1457 Broadway, NYC. NH Confidential Informant T-1 advised DREHER adopted a child on 12/29/49. Background information on DREHER revealed that he is a graduate of New York University and was married to ROSE GREENSPAN in Brooklyn, NY on 3/14/42 moving to Greenwich during 1942. RUBIN DREHER reportedly employed as an accountant by JOSEPH S. HERBERT & CO., 350 5th Ave., NYC.

44

RUC

Classified by **3042 Just-DTC**  
Declassify on: **OADR #1/19/86**  
~~DEFERRED RECORDING~~

**DETAILS:**

RUBIN DREHER  
44 Soundview Drive  
Greenwich, Connecticut

By teletype dated 3/28/50 the New York office advised that on the evening of 3/27/50 an unknown individual contacted JOSEPH ARNOLD ROBBINS, also known as JOSEPH REGENSTREICH, at an ice cream parlor located at 159 East 86th Street, Manhattan. The unknown individual conversed with ROBBINS; a suspect in instant investigation, and then proceeded to Greenwich, Conn., where he entered a home at 44 Soundview Drive, Greenwich. CLASSIFIED BY **2369, 10-21-75**

APPROPRIATE AGENCIES AND FIELD OFFICES ADVISED BY SLIP(S) OF CLASS

APPROVED AND FORWARDED: *Walter D. Willis*

DO NOT WRITE IN THESE SPACES

**65-58805-122** RECORDED-76  
INDEXED-76  
MAY 31 1950  
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  - 2 - New Haven
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A 207 NOV 17 1950

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65-57449-64  
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NH 65-1317

ADMINISTRATIVE

On 3/29/50 Special Agent HUGO P. BLANDORI and the writer joined with New York agents REX SCHROEDER and VINCENT CAHILL and conducted a discreet surveillance on a residence at 44 Soundview Drive. At 7:50 am on the morning of 3/29/50 the unknown individual who had previously contacted ROBBINS on the night of 3/27/50 left the premises and walked in the direction of the Greenwich Railroad Station, stopping at the Greenwich Cigar Store, 91 Railroad Avenue, to purchase a New York Tribune and then entering the Whistle Stop Restaurant at 87 Railroad Avenue for a cup of coffee. Subject departed from the restaurant as the train was pulling into the Greenwich Railroad Station and boarded the 8:00 am train for New York, from which point he was surveilled by New York agents.

On the morning of 3/30/50 Special Agent HUGO P. BLANDORI and the writer conducted a discreet surveillance in the vicinity of 44 Soundview Drive, Greenwich, Conn., in order to observe activities of the unknown individual, a resident at the above address, who had contacted ROBBINS on 3/27/50. At 8:14 am the unknown individual, later identified as RUBIN DREHER, departed from his home, wearing a dark blue suit, white shirt, maroon tie, and no hat. The subject of the surveillance also carried a folder similar to bulky exhibit envelopes used by the FBI, and periodically ran and hurriedly walked in the direction of the Railroad Station. As DREHER passed the Bureau car, which was located in a vantage position on a parking lot not in the line of view of DREHER, SA HUGO P. BLANDORI was able to secure approximately nine exposures of DREHER with the Leica camera. DREHER hurriedly passed the Bureau car completely oblivious to the fact that he was being photographed. He boarded the 8:18 train for New York City which was due to arrive at the Grand Central Station at 9:07. DREHER purchased a newspaper at the Railroad Station before getting on the train and upon arrival at the 125th St. Station he alighted, went down to the street level, and walked east on 125th St. to Lexington Avenue, entering the Interborough Subway at the corner. DREHER stood on the uptown side of the subway platform, which was fairly crowded and as a down-town train pulled into the station on the opposite side of the platform he crossed over and stood at the rear of a group waiting to board the train. DREHER got off at 96th St., slowly walked upstairs in the station reading his paper as he progressed east on 96th St. to Second Avenue. On Second Avenue, DREHER walked in the direction of downtown on the west side of the street, entering Smith Brothers Ice Cream Plant at 1759 2nd Ave. at 9:25 am.

At 9:45 am the surveillance was turned over to New York agents REX SCHROEDER



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ADMINISTRATIVE

and VINCENT CAHILL.

On 4/3/50 the photographs which were taken of DREHER were exhibited to Chief JOHN M. GLEASON, Greenwich Police Department, a resident of 4 Soundview Terrace, just around the corner from suspect's home. Chief GLEASON did not recognize the photograph nor did Captain of Detectives JAMES P. HEALEY. A photograph was selected and given to Greenwich Detective JOHN FRANCIS CONLON by Captain HEALEY with a request that he exhibit same to Mrs. CHARLES MC CARTHY, a former employee at Celine's, a Ladies Hat Shop at 161 Greenwich Avenue, operated by ROSE DREHER. It was suspected by Chief GLEASON and Captain HEALEY that the subject of the photographs might possibly be RUBIN DREHER whose wife operated Celine's Hat Shop, as other residents at 44 Soundview Drive were known to the Greenwich officers. The purpose of the inquiry was not made known to Detective CONLON except that it was strictly confidential and the FBI'S interest in the individual should not be revealed.

Officer CONLON was described by Captain HEALEY as an acquaintance of Mrs. MC CARTHY and as being in a position to handle the check without arousing any suspicion. Detective CONLON immediately returned, reporting that Mrs. MC CARTHY definitely identified the photograph as that of RUBIN DREHER. According to information furnished by Mrs. MC CARTHY, DREHER has lived in Greenwich for about 5 years and recently adopted a baby girl, place of adoption unknown.

ROSE MC GUERE, Clerk, Office of the Registrar of Voters, Town Hall, Greenwich, Conn., advised that according to the town records DREHER was made a voter in Greenwich on 10/21/44, at which time he had been a resident of the community for one year. The records reveal that RUBIN DREHER gave his date and place of birth as 1/22/11 at New York City, and his employment as an accountant employed by the Restaurant Accounting Company, 1457 Broadway, New York City.

On 4/3/50 the information developed to date was furnished by teletype to the Bureau and New York.

By letter of 4/5/50 the New Haven office forwarded to the New York office via registered mail ten 35 mm negatives of RUBIN DREHER taken with a Leica camera on 3/30/50.

On the morning of 3/10/50 DREHER was surveilled by SA HUGO P. BLANDORI and the writer as he left his home at 8:14 am, walking rapidly to the Railroad Station. DREHER carried a dark brown leather grained bag similar to an overnight valise which was wide at the bottom, narrowing out at the top where there were handles. As DREHER arrived at the railroad station the

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ADMINISTRATIVE

train was pulling in, but he quickly entered a local telephone pay station, remaining a very short time sufficient only to make a local telephone call. It was not possible nor considered discreet at the time to endeavor to overhear DREHER'S conversation. He exited just in time to catch his train, entering car #4233.

New Haven Confidential Informant T-1, of known reliability, advised that on 12/29/49 RUBIN and ROSE DREHER legally adopted a female child, last name reported as BERNSTEIN. The child was named by DREHER as STEPHANIE MICHELE DREHER. T-1 pointed out that a new birth certificate was issued under the child's new name, the child having been born on 4/23/49. T-1 stated that a sister of Mrs. DREHER, CELIA HARTLEY, of Bridgeport, Conn. was appointed guardian of the person of the child. Attorney ABRAHAM SLAVITT, of Norwalk, Conn., represented the DREHER family in the adoption.

Mrs. ALBERT J. SHAPIRO, a volunteer worker in the field of Social Service and President of the Godmothers' League, Inc., 255 West 71st St., NYC, described as a friend of Mrs. DREHER, supervised the adoption.

HERMAN KARNES, 40 Alto St., Port Chester, New York, was reported as a friend of the DREHER family, and Attorney MANUEL K. BRODEY, of 125 Ocean Parkway, Brooklyn, New York, as a brother-in-law of Mrs. DREHER.

JACQUELINE GOODCHILDS investigated the background of the DREHER family for the office of the Commissioner of Welfare at Hartford, Conn. T-1 advised that the investigation revealed that RUBIN DREHER is the oldest child of a large Brooklyn family. He is a graduate of New York University, year unknown, and specializes in the field of accounting. Mrs. DREHER is the youngest of six children from a Brooklyn family and attended New York University for two years, dates of attendance not reported. Mrs. DREHER, whose maiden name was ROSE GREENSPAN, was married to RUBIN DREHER on 3/14/42 in Brooklyn, NY. They reportedly came to Greenwich during 1942 from which point RUBIN DREHER commutes daily to New York City. The employment of Mr. DREHER was listed as accountant with JOSEPH S. HERBERT & CO., 350 5th Ave., New York City. It was reported that Mrs. DREHER attends evening school in New York City and expects to graduate in 1950. The identity of the school was not indicated. The DREHER family claim to receive a monthly gross income from their store in Greenwich and the salary of Mr. DREHER of approximately \$3700.

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~~TOP SECRET~~ ADMINISTRATIVE

The following investigation was conducted at Bridgeport, Conn. by Special Agent Lloyd S. Goodrow:

Pursuant to instructions received by teletype dated May 13, 1950 from the New York Division, investigation is being held in abeyance relative to JOHN H. MILLS, 197 Judson Road, Fairfield, Connecticut, who is head of the Aerosol Division of the Bridgeport Brass Company, Bridgeport, Conn.

ADDITIONAL SUSPECTS DEVELOPED

RICHARD WEEKS SUREY

Information appears in the records of the New Haven Division relative to RICHARD WEEKS SUREY, who has been Director of Operations of Bridgeport Brass (Limited), Montreal, Canada, a division of the Bridgeport Brass Company of Bridgeport, Conn. since June 1, 1948 and who was prior to that time attached to the Bridgeport Brass Company, Bridgeport, Conn. as a Special Casting Engineer from May of 1942.

RICHARD WEEKS SUREY first came to the attention of the New Haven Division during the month of July in 1945 when the New York Division requested that the New Haven Division ascertain the identity of an R.T.S. who gave an address of 538 Stratfield Road, Bridgeport 4, Connecticut. This request was initiated inasmuch as an R.T.S. residing at this address was the correspondent of ROBERT CAILLE who was then the Communist Party organizer for the capitol district of New York State. It was ascertained at this time that R.T.S. represented the initials of RICHARD WEEKS SUREY, who resided at this address and who was a Special Casting Engineer employed by the Bridgeport Brass Company since 1942. SUREY had formerly resided at 23 Bethune Street, Bridgeport, Conn.

In connection with an investigation of the case of JULES KORCHIEN, the subject of an Internal Security case with the New York Division as origin, this office was again requested to ascertain the identity of an individual using the initials R.T.S., who resided at 538 Stratfield Road, Bridgeport, Conn. A letter was found in KORCHIEN's possession which was dated November 1, 1942 and signed "DICK" in which this individual states that he is in charge of the installation and initial operation of some casting for brass that is designated for field cases and fuses. He noted that the company for which he was working had a plant in Indiana and that he might be sent there shortly. This letter stated in part, "Having completely neglected my obligations as a darn poor member of the large international organization, will you be good enough to look into the situation with V and find out where I stand, if at all, and what steps under the circumstances are recommended. If there is

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ADMINISTRATIVE

someone here I should get in touch with, can you find out how it can be arranged?....At present I am living in the rooming house I found on arrival and in general it does as well, I guess, as anything in that line could. On the other hand, while there hasn't been any evidence I have noticed of excessive curiosity, there is little assurance of privacy, and I haven't felt that it would make sense to have literature around. Advice, comment, suggestion, or whatever of appropriate procedure under the circumstances would be welcome."

It is noted that the effects of ROY HUDSON, West Coast Maritime Co-ordinator, CP, USA, were searched on May 10, 1941 and among the items found was the Telephone No. Chelsea 3-2752. This telephone number was identified with 23 Bethune Street, New York City, New York, which is a prior address of SUMSEY's and the address at which ROY HUDSON could be reached on urgent matters possibly concerning operations of the Comintern Apparatus.

On April 12, 1947 Confidential Informant [redacted] of known reliability, advised the New York Division that during a conversation between PHIL, from some newspaper in New York, and ROBERT REED, Public Relations man at the National Communist Party Headquarters, PHIL had stated that he was going to Montreal, Canada, April 10 or 11 and REED stated that KATIE's father, RICHARD SUMSEY, was up there and that PHIL should look him up at this hotel. The informant believed the hotel to be the Windsor Hotel. b2  
b7D

Following is a description of RICHARD WENK'S SUMSEY:

Born	3/12/06, Watertury, Conn.
Parents	Father: DAVID LONG SUMSEY-deceased 1932 Mother: VIRGINIA WENK'S SUMSEY
Marital Status	Divorced ADELIDE BEAM SUMSEY; Remarried VIRGINIA HAMILTON SUMSEY
Last Known Address	Windsor Hotel, Montreal, Canada
Social Security No.	[redacted]
Education	Princeton University, 1928, <span style="float: right;">b7C</span> B.S. degree
Height	6' 1"
Weight	170 lbs.
Eyes	Brown
Hair	Black
Peculiarities	Long, narrow face; deep voice
Occupation	In charge of operations, Bridgeport Brass <del>limited, Bridgeport, Conn.</del>

It is noted that the letter of May 3, 1950 from the New York Division to the Bureau states that San Francisco Division letter dated 4/21/50 entitled "UNKNOWN SUBJECT, was: [redacted] ETC., ESPIONAGE - R" had suggested the possi-

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S bility that this individual who was FUCHS' American contact might have been connected in some way with the Bridgeport Brass Company, which according to [redacted] lent assistance to ABRAHAM BROTHMAN at the time that his Laboratory opened in August of 1944. b1 TS 4

It is noted that the Russian agent with whom FUCHS was in contact with while in New York City and Los Alamos was possibly an engineer or chemical engineer and clearly had no detailed knowledge of nuclear physics.

It would appear that the professional background experience of FUCHS' contact roughly approximates that of RICHARD WEEKS SULLEY.

The New Haven Division is in possession of photographs of RICHARD WEEKS SULLEY and the Bureau is being requested by separate letter to make additional copies of these photographs for transmittal to the office of origin.

Complete information concerning RICHARD WEEKS SULLEY appears in the following reports in possession of the New York Division:

Report of SA HOWARD P. TINTER dated 5/5/47 at New Haven, Conn. entitled "JULES KORCHIEN, wa. - IS-C";

Report of SA H. COURTNEY CLINCH dated 4/11/47 at New York and entitled as above.

Report of SA HUBERT H. FINZEL dated 6/7/47 at New York entitled "RICHARD WEEKS SULLEY - IS-R".

Report of SA LLOYD S. GOODROU dated 1/12/48 at New Haven entitled "RICHARD WEEKS SULLEY, IS-R".

ENCLOSURES FOR NEWYORK

The following reports are being forwarded as enclosures to New York:

- Report of SA EDWARD T. KASSINGER, 8/14/45 at New Haven; - (re ROBERT CAILLE)
- Report of SA LLOYD S. GOODROU, 10/28/47 at New Haven; - (re RICHARD SULLEY)
- Report of SA JOHN V. GRIFFIN, 2/14/48 at New York; - (re RICHARD SULLEY)
- Report of SA LLOYD S. GOODROU, 12/8/48 at New Haven. - (re RICHARD SULLEY)

REFERRED UPON COMPLETION TO THE OFFICE OF ORIGIN

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LEADS

New York

At Brooklyn, New York

Will verify the marriage of RUBIN DREHER and ROSE GREENSPAN on 3/14/42 at Brooklyn.

At New York City

Will verify the birth date of RUBIN DREHER at the Bureau of Vital Statistics as 1/22/11.

Will at NYU secure appropriate background information concerning RUBIN and ROSE GREENSPAN DREHER, both of whom reportedly attended the University, dates of attendance unknown.

Washington Field

At Washington, D. C.

Will at the U.S. Department of State ascertain if a passport has ever been issued to RUBIN DREHER for any type of foreign travel.

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NH 65-1317

INFORMANT PAGE

In the report of SA FRANCIS X. MC BRIDE dated 5/19/50 at New Haven the following informant was utilized:

T-1

MARTHA T. WEIR, Clerk, Office of  
Greenwich Probate Court, Greenwich,  
Conn.

REFERENCE:

New York teletype to New Haven, 3/28/50  
New Haven teletype to New York, 5/3/50  
New York letter to Bureau, 5/3/50.  
New York teletype to New Haven, 5/13/50.

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FEDERAL BUREAU OF INVESTIGATION  
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Disposition in Brothman 100-365040-49.

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65-58805-1222

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# Office Memorandum • UNITED STATES GOVERNMENT

DATE: May 22 1950

TO: Director, FBI

FROM: SAC San Francisco

SUBJECT: POOCASE  
ESPIONAGE (R)  
Bureau File 65-58805  
New York File 65-15136

**CONFIDENTIAL**

A M S D

Re San Francisco letter 7/15/50, pointing out the possibility that if the information was furnished by FUCHS to the Soviets through reports only, as has now been revealed by FUCHS to have been the nature of the contact, the Soviets would probably have picked only one—a highly trusted agent—to act as contact, because of FUCHS' importance to the Soviets and, (2), such an agent might have been picked from AMTORG personnel. (u)

1. Since FUCHS' contact would appear to be a highly trusted agent, in order to attain such a status he would probably have been acting as an agent for a period of years. There is no information available to this division reflecting that known data concerning the contact of FUCHS has been discussed with such individuals as ELIZABETH BENTLEY, LOUIS BUDENZ, WHITAKER CHAMBERS, BENJAMIN GITLOW, and other defected Soviet agents. It is, therefore, suggested that this be done as soon as possible. (u)



In connection with American employees of AMTORG, who, the files of this office reflect, might be logical suspects, it might be pointed out that one JOSEPH FEINSTEIN, an American employee of AMTORG, was reported in 1943, by Informant Z. BROWN of the New York Office to be a link between the Communist Party and AMTORG, and that the informant would consider FEINSTEIN an OGPU agent. Since FUCHS became an agent through the Communist Party in England, FEINSTEIN might be considered a good suspect, although further personal particulars or a description are not available to this office. (u)

Attention is also directed to one NEHEMIAH KISHOR, alias W. SPARKS. In June 1942, NELSON FRANK advised the New York Office that he heard NEHEMIAH KISHOR was supposed to have worked for AMTORG in the Chemical Department, and

**CONFIDENTIAL** RECORDED - 34

INDEXED - 34

53 JUN 27 5 1950

65-58805-1223  
JUN 11 1950

Classified by 3849 MWT/EAR  
Declassify on: OADR

Classified by 2356 WAB/PLB  
Exempt from GDS, Category Indefinite

65-58805-1223

SF 65-449

**CONFIDENTIAL**

at that time was supposed to be considered an OGPU agent. FRANK stated that KISHOR was commonly known as W. SPARKS. The New York Office advised that SPARKS was an important Communist of long-standing, but no information was developed to show he was an employee of AMTORG. (u)

No further descriptive data concerning KISHOR is available to the San Francisco Office, and it is suggested that his description be obtained and if the description resembles that of FUCHS' contact, that his photograph be shown to FUCHS and the HEINEMANS. (u)

cc New York A M S D

Fuch  
449

**CONFIDENTIAL**

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FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

MAY 23 1950

TELETYPE

*Handwritten notes and signatures at top right.*

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

WASHINGTON 10 NEW YORK 3 FROM PHILADELPHIA 24 11-05 P

*WIRE*  
DIRECTOR AND SAC URGENT

FOOCASE, ESP R. REAQTEL TODAY. REGISTRATION CARD UNDOUBTEDLY AUTHENTIC. FORWARD FASTEST METHOD TO FBI LAB FOR COMPARISON HAND-WRITING SPECIMENS FORWARDED BY PHILA LET MAY TWENTY, LAST, CAPTIONED ABRAHAM BROTHMAN, ESP R.

CORNELIUS

ALBUQUERQUE ADVISED

END

AACK PLS

PH R -10 AW A WA LRP

58 JUN 5 1950  
PH R 3 NYC CJJ

CC: *M. Belmont*

RECORDED - 74  
INDEXED - 74

EX-20

65-58805-1226

JUN 11 1950  
FBI Laboratory

*Handwritten signature*

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 11/14/86 BY 3042 *Patterson*

UNRECORDED COPY FILED IN 65-57449

# Office Memorandum • UNITED STATES GOVERNMENT

TO : MR. LADD

DATE: May 24, 1950

FROM : A. H. BELMONT *AK*

SUBJECT: FOOCASE

Tolson	<input checked="" type="checkbox"/>
Ladd	<input checked="" type="checkbox"/>
Clegg	<input type="checkbox"/>
Glavin	<input checked="" type="checkbox"/>
Nichols	<input checked="" type="checkbox"/>
Tracy	<input type="checkbox"/>
Harbo	<input type="checkbox"/>
Belmont	<input checked="" type="checkbox"/>
Mohr	<input type="checkbox"/>
Tele. Room	<input type="checkbox"/>
Nease	<input type="checkbox"/>
Gandy	<input type="checkbox"/>

At 11:45 pm, May 23, 1950, SAC Cornelius advised from Philadelphia, after his return to the office from the arraignment of Gold, that the subject was still friendly to Agents during the arraignment. This is important and the goal toward which we are working, inasmuch as we want to arrange to continue to interview him, if possible.

Mr. Cornelius advised that United States Attorney Gleason had called him and was boiling because he had not been notified concerning the apprehension and arraignment of Gold. Mr. Cornelius was going to return his call. I advised Mr. Cornelius he should inform Mr. Gleason that the apprehension and arraignment were accomplished in accordance with direct Departmental instructions; that Mr. Ford or Mr. McInerney, of the Department, had called Judge McGranery personally and had requested him to handle it personally and further had made personal arrangements with the United States Attorney in the Eastern District of New York, and consequently the Bureau was merely following instructions, and if he had any questions concerning the handling of the matter, he should take it up with the Department; that it should be pointed out to him that we had no choice in the way this was handled.

Mr. Cornelius advised that after the arraignment, several photographs were taken of the subject en route to jail by newspaper photographers.

*Right. Cornelius should take no gals from Gleason.*

AHB:tlc

*165-58895-1227*

JUN 11 1950

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*5 EV2*

58 JUN 12 1950

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DATE 11-5-86 BY 3042

ORIGINAL COPY FILED IN 65-57449-

# Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI

DATE: May 24, 1950

FROM : SAC, Indianapolis

SUBJECT: FOCASE  
ESPIONAGE - R  
Bureau File 65-58805

Re: Indianapolis letter to Bureau dated May 11, 1950.

A review of Indianapolis file in this case indicates that all leads have been covered; accordingly, this case is considered RUC.

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 2-6-89 BY 3042/PWT/CS

HAK:PAE  
65-2060

CC: New York (65-15136)

65-58805-1228  
JUN 11 1950

RECORDED - 143

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ERL

53 JUN 5 1950  
278

# Office Memorandum • UNITED STATES GOVERNMENT

TO : MR. BELMONT

DATE: May 24, 1950

FROM : D. M. Ladd

SUBJECT: EMIL JULIUS KLAUS FUCHS  
ESPIONAGE \* R

Tolson	_____
Ladd	_____
Clegg	_____
Glavin	_____
Nichols	_____
Rosen	_____
Tracy	_____
Harbo	_____
Mohr	_____
Tele. Room	_____
Nease	_____
Gandy	_____

For record purposes, it might be noted that Messrs. Belmont and Ladd conferred with Mr. McInerney of the Criminal Division and Mr. William Foley with reference to the identification of Harry Gold on the evening of May 23. They were furnished with the information concerning the various meets to which Gold has confessed. They were advised of Gold's confession orally and of the "tentative" identification by Fuchs. They were further advised at this time that there was no other corroboration and that undoubtedly it would be impossible to bring Fuchs back as a witness and, therefore, he should not be considered as a witness in the case.

During the discussion, Messrs. Peyton Ford and Mr. Nichols arrived. After considerable discussion, Mr. McInerney decided that it would be desirable to proceed under Section 34 of Title 50, filing in Brooklyn, New York, and having Gold immediately arraigned in Philadelphia. Accordingly, he telephonically contacted U. S. Attorney Vincent Keough in Brooklyn, told him to stand by and he would be contacted by a Bureau Agent and that prosecution was being authorized under the above section. He and Mr. Ford subsequently contacted Judge McGranery and asked him to be available for the arraignment.

DML:dad

cc - Mr. Van Loon

*R*

65-57449-64425-59  
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165-58805-1229  
JUN 11 1950  
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EN

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HEREIN IS UNCLASSIFIED  
DATE 11/4/86 BY 2612 [signature]

53 JUN 5 1950

RECEIVED

Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI

DATE: May 26, 1950

OK FROM : SAC, Miami

SUBJECT: FOOCASE  
ESPIONAGE - R  
(Bufile 65-58805)

Reference is made to New York City letter to the Director dated May 23, 1950, captioned as above. Reference is also made to SAC Letter dated May 4, 1950, captioned, "Espionage and Internal Security Investigations," wherein is set out a list of individuals who might possibly furnish valuable information concerning Espionage and Communist Party activities. The name of PAUL CROUCH, Miami, Florida, is contained in this list.

Inasmuch as PAUL CROUCH is now on the west coast, his whereabouts being known to the San Francisco Office, one copy of the above referenced New York letter, along with the photographs of subject HARRY GOLD, is being transmitted to the San Francisco Office, which office should exhibit them to CROUCH.

*Lead*

RUC.

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 11/6/86 BY 3012 PWT/John R

JRB:mjs  
65-2345

cc - New York (65-15136)  
San Francisco (Encls.)(AIR MAIL)

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65-58805-230  
JUN 14 1950  
51 EVL

53 JUN 5 1950

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# Office Memorandum • UNITED STATES GOVERNMENT

TO : A. H. Belmont

DATE: March 21, 1950

FROM : C. B. Hennrich

SUBJECT: FOOCASE  
ESPIONAGE - R

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 2-6-87 BY 3042/PWT/CLS

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
- Mohr \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Holloman \_\_\_\_\_
- Gandy \_\_\_\_\_

### PURPOSE

To obtain authority to file the attached summary memorandum regarding Jordan Carson Mark in the Fuchs case file.

### BACKGROUND

Our Albuquerque Office was confidentially advised that AEC Headquarters asked AEC in Los Alamos for a list of all employees who took leave from December 21, 1949 to January 31, 1950, and at the same time asked that the entire Security Office file on Mark be forwarded to Washington, D. C. by courier.

The reason for this action on the part of the AEC is not known. However, these dates are roughly those during which Fuchs was being questioned by the British. For that reason references in Bureau files to Mark were reviewed and incorporated into the attached memorandum. This review reveals no apparent significant connections between Mark and Fuchs.

### RECOMMENDATION

That the attached summary memorandum concerning Mark be incorporated in the Fuchs file and that no further action be taken concerning him in the Fuchs case at this time.

Attachment

EEB:jpa

*Handwritten:* [Signature]  
RECEIVED - FBI  
MAY 11 1950

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65-58805-1237  
JUN 8 1950

51 JUN 7 1950

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4 Page(s) withheld for the following reason(s):  
Disposition in Gold 65-57449-143

For your information: \_\_\_\_\_

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65-58805-NR 5-28-50

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3 Page(s) withheld for the following reason(s):  
Disposition in doc 65-57449-136

For your information: \_\_\_\_\_

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3 Page(s) withheld for the following reason(s):  
Disposition in Hold 65-57449-173

For your information: \_\_\_\_\_

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1 Page(s) withheld for the following reason(s):  
Disposition in Gold 65-57449-157

For your information: \_\_\_\_\_

The following number is to be used for reference regarding these pages:  
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21 Page(s) withheld for the following reason(s):  
Disposition in Sold 65-57449-182

For your information: \_\_\_\_\_

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1 Page(s) withheld for the following reason(s):  
Disposition in Hold 65-57449-100

For your information: \_\_\_\_\_

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WIND UP  
10/14/75

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

SECRET  
10/14/75

Date: May 24, 1950

To: Assistant Chief of Staff, G-2  
Department of the Army  
The Pentagon  
Washington 25, D. C.

personal delivery  
5-31-50  
encl.

Attention: Chief, Security and Training Group

From: J. Edgar Hoover, Director - Federal Bureau of Investigation

Subject: ERIL JULIUS KLAUS FUCHS, was.  
ESPIONAGE - R

You will no doubt be interested in information concerning Harry Gold who has been identified as the individual who received atomic information from Dr. Eril Julius Klaus Fuchs in the United States for transmittal to the Soviet Union.

Harry Gold was born December 12, 1916, in Switzerland. In 1916, he came to the United States with his parents, Sam and Celia Goldsmitsky, both of whom were born in Russia. At the time of their naturalization as United States citizens their name was changed to Gold. Harry Gold claims citizenship by derivation through his parents. His mother is deceased. Harry Gold resides with his father and his brother, Joseph Gold, at 6825 Kindred Street, Philadelphia, Pennsylvania.

Shortly after arriving in the United States the Gold family moved to Philadelphia, where, in 1928, Harry Gold became employed by the Pennsylvania Sugar Company in their laboratories. He continued his employment with this company until about February, 1948, at which time he became employed with E. Brothman Associates, Consulting Engineers, New York City. He left this firm

Director of Naval Intelligence  
Department of the Navy, The Pentagon  
Washington 25, D. C.

Director of Special Investigations  
Inspector General, Department of the  
Air Force, The Pentagon  
Washington 25, D. C.

Mr. Jack B. Neal  
Associate Chief, Division of Security  
Department of State  
415 22nd Street, Northwest  
Washington, D. C.

- Mr. Tolson
- Mr. E. A. Tamm
- Mr. Clegg
- Mr. Glavin
- Mr. Nichols
- Mr. Rosen
- Mr. Tracy
- Mr. Harbo
- Mr. Gurnea
- Mr. Nease
- Miss Gandy

SECRET  
5-31-50

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

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JUN 14 1950

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

Classified by 575 NAB/DHR  
Exempt from GPO Category 1  
Date of Declassification Indefinite

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58 JUN 1950

DECLASSIFIED BY 101-5-01

~~SECRET~~

in June, 1948. He presently is employed at the Philadelphia General Hospital and is a Civil Service employee of Philadelphia, Pennsylvania. At the hospital he is engaged in the laboratory doing research in connection with serious cardiac cases.

Gold received his education attending night school at the Drexel Institute, the University of Pennsylvania, and Columbia University. In 1938 he obtained leave of absence from the Pennsylvania Sugar Company to attend Xavier University, Cincinnati, Ohio, where he received a Bachelor of Science Degree *summa cum laude* in 1940.

Gold first came to the attention of this Bureau in connection with the activities of Abraham Brothman, concerning whom Elizabeth F. Bentley furnished information. In a signed statement dated November 30, 1945, Bentley advised that in about May, 1940, she was introduced to Brothman, whose photograph she identified, by Jacob Golos, her Soviet espionage superior. She stated that Golos told her that Brothman would furnish her with certain blueprints. Following that she met with Brothman about ten times in the Summer of 1940 until the Fall of that year, and obtained blueprints from him for Golos. She said that in the fall of 1940 Golos claimed to have become disgusted with Brothman and told her he was turning Brothman over to someone else.

As a result of this information an investigation of Brothman was conducted, which resulted in an interview of Brothman on May 29, 1947. At first Brothman denied recognizing the name or photograph of Golos. Upon being shown a photograph of Bentley, which he identified as a person whom he knew as "Helen," he then admitted that he did recognize the photograph of Golos.

Brothman related that some time in 1938 or 1939 Golos had come to his office at 114 East 12nd Street, New York City, and advised Brothman that he had contacts with the Russian Government, by reason of which he was in a position to obtain contracts from that government for Brothman if Brothman would turn over to him blueprints of certain products on which Brothman was working at the time. Brothman advised that the blueprints in question were his own property. He said Golos visited his office on several occasions thereafter until Golos introduced him to "Helen." Golos advised that "Helen" would thereafter obtain the blueprints. "Helen" visited Brothman's office over a dozen times during 1938, 1939, and 1940. Some time in 1940 she stopped coming and another individual named Harry Gold appeared at Brothman's office and said that he represented Golos. Thereafter Gold visited Brothman's office on a number of occasions during 1940 and 1941, and obtained blueprints from Brothman. He said the last time Gold picked up the blueprints, according to the best of his recollection, was late in 1941 or early 1942. He was

emphatic in stating that Gold was the last individual to pick up any blueprints or material for Golos. He stated that Harry Gold was, at the time of the interview, namely, May 29, 1947, employed by him as a chemist in his laboratory at Elmhurst, Long Island. A signed statement to this effect was obtained from Brothman.

Upon receiving the information about Gold from Brothman, Gold was interviewed the same day at A. Brothman Associates Laboratory, 8902 - 37th Avenue, Elmhurst, Long Island. Gold related in substance that he had met Jacob Golos in October, 1940, at a meeting of the American Chemical Society at the Franklin Institute, Philadelphia. At this time Golos propositioned Gold, saying that he had connections with individuals in a foreign country, not naming the country, and also had connections with Abraham Brothman in New York who was turning over certain blueprints. Golos told Gold that he required the services of a chemist to go to New York City, obtain the blueprints from Brothman, and then evaluate them on a chemical basis. Gold stated that about two weeks after this, in November, 1940, he contacted Brothman in New York City and introduced himself as a representative of Golos. For the next six months he made visits to New York City on the average of every three weeks to obtain blueprints from Brothman. He said that during this period he received four or five telephone calls from Golos, who always stated that they would have to get together very soon, but that actually this never happened. He said the last telephone call from Golos was in May, 1941, after which time he had no further word from Golos. He denied that he ever had seen Golos except on the occasion when he met him in October, 1940. Gold claimed that after his second or third trip to New York City, Brothman became friendly and exhibited an interest in Gold's career as a chemist. He said that ever since that time Brothman had been interested in having Gold join Brothman's organization, but that it was not until February, 1944, that he could see his way clear to accept such employment, which he did at that time. Gold denied any financial agreement with Golos, and claimed he never received a cent from Golos. He insisted that he stood the expenses for the trips to New York City on the first two occasions, after which Brothman became friendly and furnished him a five-dollar bill to cover expenses. A signed statement to this effect was obtained from Gold.

On July 28 and 31, 1947, Abraham Brothman and Harry Gold, respectively, were called before the Federal Grand Jury, Southern District of New York. Both testified in substance before this Grand Jury to that which they had furnished on interview. The investigation of the Grand Jury concerning the charges of Elizabeth T. Bentley culminated in the finding of a "no bill."

After extensive and intensive investigation which developed information indicating that Harry Gold was very probably the United States contact of Emil Julius Klaus Fuchs, he was interviewed at Philadelphia, Pennsylvania, and on May 25, 1950, he furnished a signed statement admitting espionage activity. He admitted that he began the procurement of industrial information for the Soviet Union in the Fall of 1936, and continued this activity until 1943, except for the period from 1938 to 1940 while he attended Xavier University in Cincinnati, Ohio.

Gold advised that very early in 1944 his then superior made arrangements for him to meet Dr. Klaus Fuchs in New York City. This first meeting occurred on a Saturday afternoon in February or March, 1944, on the East Side of Manhattan, from where they took a cab uptown to a restaurant around Third Avenue in the 50's, possibly Munny Wolf's Restaurant. Following the dinner they walked about and completed arrangements for further meetings. Gold recalled the arrangements for actual recognition to be that he was to carry a pair of gloves in one hand, plus a green-covered book, while Fuchs was to carry a handball. He introduced himself as "Raymond" and Fuchs introduced himself as Klaus Fuchs. He said that Fuchs never used the name "Raymond" because he knew it was fictitious.

At this first meeting no written information was passed, but Fuchs revealed that he was with the British Mission working with the Manhattan Engineer Project. He told Gold that the British Mission was working on the separation of isotopes, and Gold believes there was at least implied the eventual utilization of the energy produced by nuclear fission in the form of a weapon. Following this, Gold had about four meetings with Fuchs in the Bronx, Brooklyn, Manhattan, and Queens. During at least two of these meetings Fuchs furnished written information to Gold, who thereafter delivered it to his superior "John." He said that he had taken a brief glance at the material on one occasion and found it to consist of a number of folded sheets of paper containing mathematical equations which seemed to concern mathematical derivations.

Gold further advised that he lost contact with Fuchs when Fuchs failed to keep a meeting in August, 1944. He stated that "John" obtained the information whereby he was once more enabled to contact Fuchs. "John" gave Gold the address of Mrs. Heisenman in Cambridge, Massachusetts, the sister of Fuchs. As a result of this, he met Fuchs at the Heisenman residence shortly after Christmas Day, 1944, or early in 1945. At that time Fuchs told him that he was at Los Alamos, New Mexico, a short distance

from Santa Fe. Fuchs also gave him written information at the time and the two made an arrangement to meet in June of that year in Santa Fe. Gold stated that on this occasion he had been given a sum of approximately fifteen hundred dollars to offer Fuchs in a very diplomatic manner so as not to offend him. He said that Fuchs "turned it down cold." Gold returned to New York with the money and information which he delivered to "John."

Gold has further advised that he met Fuchs in Santa Fe, New Mexico, in June, 1945, and again in September, 1949. On both of these occasions Fuchs furnished him with written information. He said that during the September, 1945, meeting Fuchs told him that he had been present at the initial large-scale trial of nuclear fission at Alamogordo, New Mexico. He also stated that Fuchs told him at the time that he probably would return to England soon, but that by paying a call to Fuchs' sister he could ascertain just when. Gold said he made one or two attempts to see Fuchs again at the home of his sister, but was not successful. After the possible second attempt, which was either in late January or early February, 1946, Gold missed a scheduled appointment with his superior, "John," and has not seen or heard from him since.

In connection with the current interview of Fuchs in London by representatives of this Bureau, still and movie photographs of Gold were surreptitiously obtained for display to Fuchs. Previously, Fuchs and Robert and Kristel Heineman had failed to recognize a photograph of Gold. On May 20, 1950, Fuchs was shown the new still photographs of Gold and he did not identify them, though he stated he could not reject them. **SECRET (26)**

On May 22, 1950, Fuchs viewed three repeat showings of the moving pictures of Gold, after which he stated that Gold was very likely his contact in the United States. It is most interesting to note that this information was received by cable at 11:05 AM, while Gold had first admitted his espionage activity to the interviewing agents in Philadelphia at approximately 10:45 AM the same day. **SECRET (26)**

On May 23, 1950, a complaint was filed before a United States Commissioner for the Eastern District of New York, Brooklyn, New York, charging Harry Gold and "John" Doe with conspiracy to commit espionage on behalf of the Union of Soviet Socialist Republics in violation of Section 2381, Title 50, United States Code. A warrant was issued and Gold was thereupon taken before United States District Judge James P. McNamara at Philadelphia.



~~SECRET~~

Pennsylvania, for arraignment. Judge McGranery gave Gold the complaint to read and he admitted that he was the Harry Gold named in the complaint. A preliminary hearing was set for July 13, 1950, and bail was set at one hundred thousand dollars, in default of which Gold was remanded to the custody of the United States Marshal.

Further information of interest to you will be furnished as it develops.

~~SECRET~~

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FEDERAL BUREAU OF INVESTIGATION  
FOIPA DELETED PAGE INFORMATION SHEET

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Information pertained only to a third party. Your name is listed in the title only.

Documents originated with another Government agency(ies). These documents were referred to that agency(ies) for review and direct response to you.

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FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

NA  
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over

TELETYPE

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 2-9-87 BY 3042/pwt/clb

CONF THREE STATIONS  
WASHINGTON 1 NEW YORK 1 AND PHILADELPHIA 1 FROM BOSTON 25 12-20M

**DIRECTOR AND SAC-S U R G E N T**

FOOCASE, ESP DASH R. REBUTEL TWENTYFOURTH INSTANT. REFER BOSLET SIXTEENTH INSTANT. KRISTEL HEINEMAN QUOTE COMPLETELY HALLUCINATED UNQUOTE AND UNDERGOING SHOCK TREATMENTS. IMPOSSIBLE TO INTERVIEW HER CURRENTLY ACCORDING TO MEDICAL AUTHORITIES. TESTIMONY OF NO VALUE IN VIEW OF CONDITION. LAFAZANOS IS CONSIDERED UNRELIABLE BY BOSTON AGENTS WHO HAVE TALKED TO HIM. HAS MEDICAL RECORD AS PSYCHONEUROTIC AND IS BELIEVED LIKELY TO BE QUOTE PUBLICITY HOUND UNQUOTE. BOSTON HAS EARLIER ADVISED BUREAU IT WOULD NOT INTERVIEW LAFAZANOS AGAIN IN THE ABSENCE OF SPECIFIC INSTRUCTIONS AND WILL NOT INTERVIEW HIM TO EXHIBIT PHOTOS OF PHILADELPHIA SUBJECT UNLESS BUREAU SO SPECIFICALLY DIRECTS. NOTED LAFAZANOS ATTEMPTED THREE WEEKS AGO TO ENTER WESTBORO STATE HOSPITAL UNDER GUISE OF BEING A PATIENT. WESTBORO AUTHORITIES HAVE STRONG DOUBTS ABOUT HIS MENTALITY. SUTEL IF BUREAU DESIRES LAFAZANOS INTERVIEWED TOGETHER WITH ANY DIRECTIONS WHICH MIGHT SAFEGUARD BUREAU-S INTERESTS IN VIEW OF ABOVE.

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INDEXED - 68

65-58805-1238  
JUN 11 1950

COR PLS LINE EIGHT GROUP SIX SHOULD BE NOT  
END ACK PLS

WA BS R 1 WA LRP ALL HOLD PLS FOR WA

NY 5 BS R 1 NYC JD  
5 8 JUN 8 1950

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI  
FROM : SAC, ALBUQUERQUE  
SUBJECT: FOOCASE  
ESPIONAGE - R

DATE: 5/24/50

ATT'N FBI LABORATORY

117115

Reference Philadelphia teletype to Albuquerque dated May 24, 1950, and Philadelphia letter to Bureau, Attention FBI Laboratory, dated May 20, last, captioned "ABRAHAM BROTHMAN, Espionage - R."

Enclosed herewith via registered AMSD is a registration card bearing #78783 from the Hilton Hotel at Albuquerque, New Mexico. It will be noted that the person registered at that time was HARRY GOLD, whose address was 5032 Boudinot Avenue, Philadelphia, 24, Pennsylvania, and whose business connection is shown to be the A.B.A. Laboratories, New York City. It is to be noted that this card is dated September 19, 1945, and that GOLD was assigned Room 521. This card has been properly identified by SA PINIS I. PARRISH and SA ARTHUR J. LA PLANTIE and Mr. COBY BRIEHN, Assistant Manager of the Hilton Hotel. In accordance with instructions by referenced teletype from the Philadelphia Office, this card is being forwarded to the FBI Laboratory for comparison with the handwriting specimens forwarded by Philadelphia letter to the Bureau dated May 20, 1950, and captioned "ABRAHAM BROTHMAN, Espionage - R." It is suggested that upon the completion of the examination that the Philadelphia, New York, and Albuquerque Offices be advised of the outcome and that the card be retained by the FBI Laboratory for possible future production at the trial of this matter.

COPY AND SPECIMENS RETAINED IN LAB.  
FOR LAB. ACTION AND REPORT

pld:ush  
65-6

Encl. - REGISTERED MAIL - AMSD  
ccs: New York City VIA AMSD  
Philadelphia VIA AMSD

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65-58805-1239  
JUN 11 1950

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DATE 11-5-86 BY 3047/PT/clmo

Rel report out 5/26/50 under  
Harry Gold; ESP - R to Chicago,  
y, alb. Phil, & WFO.

RECEIVED

U.S. DEPT. OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
COMMUNICATIONS SECTION

58 JUN 8 1950

Copy of this should go in files 65-57449 X-140 - 365040

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Handwritten initials and signatures at the bottom right of the page.

May 24, 1950

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

Honorable Louis A. Johnson  
The Secretary of Defense  
The Pentagon  
Washington 25, D. C.

Dear Louis:

You will no doubt be interested in information concerning Harry Gold, who has been identified as the individual who received atomic information from Dr. Hail Julius Klaus Fuchs in the United States for transmittal to the Soviet Union.

Harry Gold was born December 12, 1910, in Switzerland. In 1914 he came to the United States with his parents, Sam and Celia Golodnitsky, both of whom were born in Russia. At the time of their naturalization as United States citizens, their name was changed to Gold. Harry Gold claims citizenship by derivation through his parents. His mother is deceased. Harry Gold resides with his father and his brother, Joseph Gold, at 5825 Kindred Street, Philadelphia, Pennsylvania.

Shortly after arriving in the United States, the Gold family moved to Philadelphia, where, in 1929, Harry Gold became employed by the Pennsylvania Sugar Company in their laboratories. He continued his employment with this company until about February, 1946, at which time he became employed with A. Brothman Associates, Consulting Engineers, New York City. He left this firm in June, 1948. He presently is employed at the Philadelphia General Hospital and is a Civil Service employee of Philadelphia, Pennsylvania. At the hospital he is engaged in the laboratory doing research in connection with serious cardiac cases.

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
- Mohr \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Nease \_\_\_\_\_
- Gandy \_\_\_\_\_

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65-58805

cc - 65-57449

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JUN 8 1950

58 JUN 8 1950

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... in 65-57449

Honorable Louis A. Johnson

Gold received his education attending night school at the Drexel Institute, the University of Pennsylvania, and Columbia University. In 1938 he obtained leave of absence from the Pennsylvania Sugar Company to attend Xavier University, Cincinnati, Ohio, where he received a Bachelor of Science Degree *summa cum laude* in 1940.

Gold first came to the attention of this Bureau in connection with the activities of Abraham Brothman, concerning whom Elizabeth F. Bentley furnished information. In a signed statement dated November 30, 1945, Bentley advised that in about May, 1940, she was introduced to Brothman, whose photograph she identified, by Jacob Golos, her Soviet espionage superior. She stated that Golos told her that Brothman would furnish her with certain blueprints. Following that, she met with Brothman about ten times in the summer of 1940 until the fall of that year, and obtained blueprints from him for Golos. She said that in the fall of 1940, Golos claimed to have become disgusted with Brothman and told her he was turning Brothman over to someone else.

As a result of this information, an investigation of Brothman was conducted, which resulted in an interview of Brothman on May 29, 1947. At first Brothman denied recognizing the name or photograph of Golos. Upon being shown a photograph of Bentley, which he identified as a person whom he knew as "Helen," he then admitted that he did recognize the photograph of Golos.

Brothman related that some time in 1938 or 1939 Golos had come to his office at 114 East 32nd Street, New York City, and advised Brothman that he had contacts with the Russian Government, by reason of which he was in a position to obtain contracts from that government for Brothman if Brothman would turn over to him blueprints of certain products on which Brothman was working at the time. Brothman advised that the blueprints in question were his own property. He said Golos visited his office on several occasions thereafter until Golos introduced him to "Helen." Golos advised that "Helen" would thereafter obtain the blueprints. "Helen" visited Brothman's office over a dozen times during 1938, 1939, and 1940. Some time in 1940 she stopped coming and another individual named Harry

Honorable Louis A. Johnson

Gold appeared at Brothman's office and said that he represented Golos. Thereafter, Gold visited Brothman's office on a number of occasions during 1940 and 1941, and obtained blueprints from Brothman. He said the last time Gold picked up the blueprints, according to the best of his recollection, was late in 1941 or early 1942. He was emphatic in stating that Gold was the last individual to pick up any blueprints or material for Golos. He stated that Harry Gold was, at the time of the interview, namely, May 29, 1947, employed by him as a chemist in his laboratory at Elmhurst, Long Island. A signed statement to this effect was obtained from Brothman.

Upon receiving the information about Gold from Brothman, Gold was interviewed the same day at A. Brothman Associates Laboratory, 8505 - 57th Avenue, Elmhurst, Long Island. Gold related in substance that he had met Jacob Golos in October, 1940, at a meeting of the American Chemical Society at the Franklin Institute, Philadelphia. At this time Golos propositioned Gold, saying that he had connections with individuals in a foreign country, not naming the country, and also had connections with Abraham Brothman in New York, who was turning over certain blueprints. Golos told Gold that he required the services of a chemist to go to New York City, obtain the blueprints from Brothman, and then evaluate them on a chemical basis. Gold stated that about two weeks after this, in November, 1940, he contacted Brothman in New York City and introduced himself as a representative of Golos. For the next six months, he made visits to New York City on the average of every three weeks to obtain blueprints from Brothman. He said that during this period he received four or five telephone calls from Golos, who always stated that they would have to get together very soon, but that actually this never happened. He said the last telephone call from Golos was in May, 1941, after which time he had no further word from Golos. He denied that he ever had seen Golos except on the occasion when he met him in October, 1940. Gold claimed that after his second or third trip to New York City, Brothman became friendly and exhibited an interest in Gold's career as a chemist. He said that ever since that time Brothman had been interested in having Gold join Brothman's organization, but that it was not until February, 1946, that he could see his way clear to accept such employment, which he did at that time. Gold denied any financial

Honorable Louis A. Johnson

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On July 22 and 31, 1947, Abraham Brothman and Harry Gold, respectively, were called before the Federal Grand Jury, Southern District of New York. Both testified in substance before this Grand Jury to that which they had furnished on interview. The investigation of the Grand Jury concerning the charges of Elizabeth T. Bentley culminated in the finding of a "no-bill."

After extensive and intensive investigation which developed information indicating that Harry Gold was very probably the United States contact of Emil Julius Klaus Fuchs, he was interviewed at Philadelphia, Pennsylvania, and on May 22, 1950, he furnished a signed statement admitting espionage activity. He admitted that he began the procurement of industrial information for the Soviet Union in the Fall of 1936, and continued this activity until 1945, except for the period from 1938 to 1940 while he attended Xavier University in Cincinnati, Ohio.

Gold advised that very early in 1944, his then superior made arrangements for him to meet Dr. Klaus Fuchs in New York City. This first meeting occurred on a Saturday afternoon in February or March, 1944, on the East Side of Manhattan, from where they took a cab uptown to a restaurant around Third Avenue in the 30's, possibly Manny Wolf's Restaurant. Following the dinner, they walked about and completed arrangements for further meetings. Gold recalled the arrangements for actual recognition to be that he was to carry a pair of gloves in one hand, plus a green-covered book, while Fuchs was to carry a handball. He introduced himself as "Raymond" and Fuchs introduced himself as Klaus Fuchs. He said that Fuchs never used the name "Raymond" because he knew it was fictitious.

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Honorable Louis A. Johnson

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Honorable Louis A. Johnson

~~SECRET~~

In connection with the current interview of Fuchs in London by representatives of this Bureau, still and movie photographs of Gold were surreptitiously obtained for display to Fuchs. Previously, Fuchs and Robert and Kristel Heineman had failed to recognize a photograph of Gold. On May 20, 1950, Fuchs was shown the new still photographs of Gold and he did not identify them, though he stated he could not reject them. (26)

On May 22, 1950, Fuchs viewed three repeat showings of the moving pictures of Gold, after which he stated that Gold was very likely his contact in the United States. It is most interesting to note that this information was received by cable at 11:08 AM, while Gold had first admitted his espionage activity to the interviewing agents in Philadelphia at approximately 10:45 AM the same day. (26)

On May 23, 1950, a complaint was filed before a United States Commissioner for the Eastern District of New York, Brooklyn, New York, charging Harry Gold and "John" Doe with conspiracy to commit espionage on behalf of the Union of Soviet Socialist Republics in violation of Section 32, Title 50, United States Code. A warrant was issued and Gold was thereupon taken before United States District Judge James P. McGranery at Philadelphia, Pennsylvania, for arraignment. Judge McGranery gave Gold the complaint to read and he admitted that he was the Harry Gold named in the complaint. A preliminary hearing was set for June 12, 1950, and bail was set at one hundred thousand dollars, in default of which Gold was remanded to the custody of the United States Marshal.

Further information of interest to you will be furnished as it develops.

With expressions of my highest esteem and best regards,

Sincerely yours,

Classified By 235/4/12/10/11/12/13  
Exempt from GDS, Category 1, 2, 3  
Date of Declassification Indefinite

Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI

DATE: May 23, 1950

FROM : SAC, New York

SUBJECT: ~~FOCCASB,~~  
ESPIONAGE - R  
(Bufile 65-58805)

Rezylet 5/23/50, wherein leads were set out to interview informants in your Field Office relative to HARRY GOLD.

Pursuant to Bureau instructions AMADEO SABATINI (LA file 100-22394) should be interviewed concerning this matter.

Enclosed herewith for the Los Angeles Office are seven recent photographs of HARRY GOLD.

AIR MAIL SPECIAL DELIVERY

cc-Los Angeles (Enc-7)  
NY 65-15185

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165-58805-7241

JUN 11 1950

INDEXED - 68

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United States Department of Justice  
Federal Bureau of Investigation  
Liaison Office, Ottawa, Canada

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SPECIAL DELIVERY

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EXCEPT WHERE SHOWN  
OTHERWISE

April 14, 1950.

Mr. J. Edgar Hoover,  
Director,  
Federal Bureau of Investigation,  
U.S. Department of Justice,  
Washington, D.C.

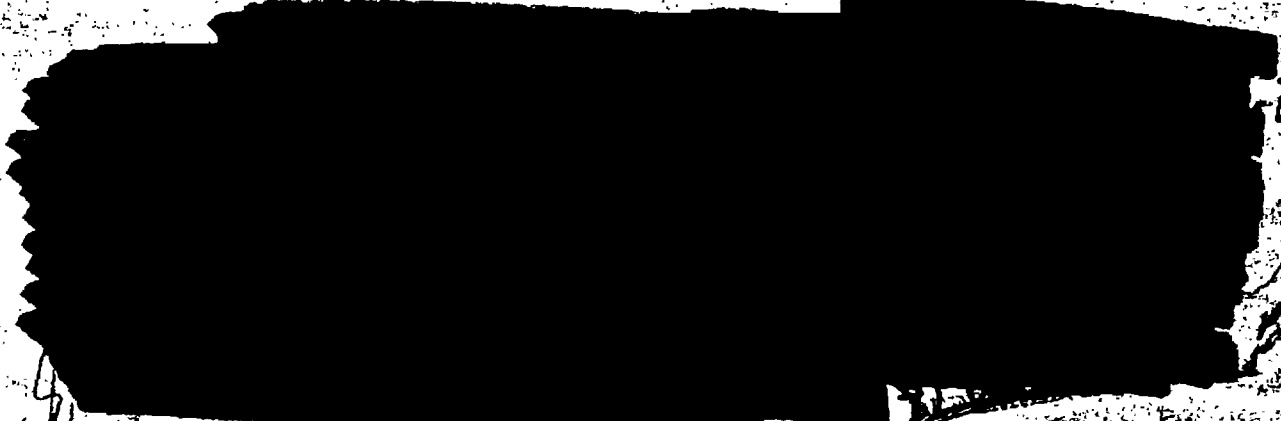
227-87

Re: Emil Julius Klaus Fuchs  
ESPIONAGE - R

CLASSIFIED BY: 3012/PWT/kl  
DECLASSIFY ON: OADR

Dear Sir:

Reference is made to Bureau letter dated March 29, 1950, and radiogram dated April 11, 1950, relative to Jordan Carson Mark and particularly requesting a photograph of Mark.



photograph  
b7D



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Date of Declassification Indefinite

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Office Memorandum • UNITED STATES GOVERNMENT

TO : The Director  
FROM : D. M. Ladd  
SUBJECT: FOCASE  
ESPIONAGE - R  
Bureau file 65-58805

DATE: May 25, 1950

~~TOP SECRET~~

- Tolson
- Ladd
- Clegg
- Glavin
- Nichols
- Rosen
- Tracy
- Harbo
- Mohr
- Tele. Room
- Nease
- Gandy

PURPOSE:

To furnish you, in accordance with your request, a summary of the basic facts relating to the identification of Harry Gold as the espionage contact in the United States of Dr. Emil Julius Klaus Fuchs and Gold's confession in this regard. u

BACKGROUND:

You will recall that information from

[REDACTED]

~~TOP SECRET~~

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You will recall that Fuchs during interview was unable or refused to identify his American contact. He furnished a very general description of the contact but could give very little detailed information which would be useful in effecting the identification. Fuchs subsequently informed

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Attachment

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You will recall that Fuchs admitted that he had had several meetings with the American contact during 1944 and 1945. The first meetings were in New York. He later had meetings in Boston and in about June and September, 1945, had two meetings in Santa Fe, New Mexico. u

In an effort to identify the

[REDACTED]

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Harry Gold first came to the attention of this Bureau on May 29, 1947, when Bureau Agents conducted an interview of Abraham Brothman in New York City. Brothman had been implicated in Soviet espionage by Elizabeth T. Bentley in November, 1945, and intensively investigated thereafter. Brothman admitted acquaintanceship with Jacob Golos and Bentley, saying he knew the latter as "Helen," and confirmed Bentley's u

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allegations that he had turned over to Golos and later to her certain blueprints. Brothman continued that Bentley last visited his office sometime in 1940 after which an individual named Harry Gold came to his office, introduced himself as a representative of Golos and thereafter periodically picked up blueprints from Brothman. These blueprints allegedly pertained to designs for industrial chemical machinery. Brothman then declared to interviewing agents as of the date of the interview (May 29, 1947) Gold was employed by him as a chemist in his laboratory in Queens, New York City. U

On interview by Bureau Agents on May 29, 1947, Gold stated he was born December 12, 1910, in Switzerland; that he had come to the United States in 1914 with his parents, Sam Gold and Celia Gold, both of whom were born in Russia. Gold stated his parents entered the United States under the name of Golodnitsky but changed their name at the time of naturalization. U

Gold stated he was employed intermittently by the Pennsylvania Sugar Company, Philadelphia, Pennsylvania, from 1929 until February, 1946, when he assumed employment with Abraham Brothman in the concern known as A. Brothman Associates, 85-03 57th Avenue, Elmhurst, L.I., New York. Gold stated that at a meeting of the American Chemical Society in Philadelphia in October, 1940, he was introduced by Carter Hoodless, a colleague in the Pennsylvania Sugar Company and who is now deceased, to one John Golush or Golish. Gold immediately identified a photograph of Jacob Golos as identical with this individual. After the above-described introduction Gold and Golos spent several hours in a Philadelphia restaurant, during which time, according to Gold, Golos represented himself as having connections with some individuals in an unnamed foreign country and also as having connections with Abraham Brothman, who, Golos said, was then turning over to him certain blueprints relating to the chemical industry. Gold contended that Golos told him that it was necessary that he have a qualified chemist who could travel to New York City, pick up blueprints from Brothman and thereafter evaluate them from a chemist's standpoint. Gold denied that any financial arrangement whatsoever was entered into by himself and Golos with respect to compensation for the services to be performed. U

Gold then related that he introduced himself to Brothman over the telephone from Philadelphia, and a week or two later, which would place

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it in November, 1940, Gold met Brothman for the first time in a New York City restaurant, on which occasion Brothman turned over blueprints to him. He stated that for the next six months he made visits to New York City on the average of every three weeks, always in the evening inasmuch as he had to tend to his job in the daytime, and saw Brothman and received blueprints from him on each of those occasions. Gold declared further that during this period when he was traveling to New York to see Brothman, he received four or five telephone calls from Golos, during which the latter would state that he and Gold would have to get together shortly but Gold stated such meetings never materialized. He placed the date of his last phone call from Golos as May, 1941, and denied that he had ever heard anything further from him. Gold said that during the course of his contacts with Brothman, the latter became friendly with him and evinced an interest in employing him as a chemist. Brothman gave him several odd jobs to perform and compensated him for such work. Gold declared that he finally yielded to Brothman's desires for him to go to work for Brothman and assumed full-time employment with him on February 1, 1946. U

In an effort to locate some of the blueprints which Gold received from Brothman and which Gold said might still be in his Philadelphia residence, agents visited the Gold home at 6823 Kindred Street, Philadelphia, on May 31, 1947, and Gold on that occasion searched his personal effects but found no blueprints and concluded that he had thrown them all away in 1944 when the family moved. U

Gold was briefly reinterviewed on June 11, 1947, in an attempt to secure details regarding Carter Hoodless who, he said, had introduced him to Golos, but he was unable to furnish any information of value, inasmuch as Hoodless had died in 1942 and his wife's whereabouts were unknown to Gold. U

On July 31, 1947, Gold testified under subpoena before a Special Federal Grand Jury in the Southern District of New York. You will recall that this is the Grand Jury to which evidence was presented by Messrs. T. V. Quinn and T. J. Donegan stemming out of the Bentley disclosures. Messrs. Quinn and Donegan advised confidentially that Gold testified to the same information that he had furnished Bureau Agents on interview. U

On June 5, 1947, a photograph of Harry Gold was exhibited to Elizabeth T. Bentley, who was unable to recognize it. U

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Based upon information received from [REDACTED]

[REDACTED] ~~TOP SECRET~~

The field was instructed by letter dated May 1, 1950 to conduct this series of interviews simultaneously. U

These interviews were held up pending the development of a confidential source with access to Brothman's office. This source provided on May 6, 1950 a typewritten document, the title of which was obliterated, but the contents of which referred to the industrial application of a process of thermal diffusion. This document was considered of extreme significance inasmuch as its contents appeared to coincide very closely with the topic described hereinbefore which [REDACTED] had chosen "for his work." U

This typewritten document did not bear the name of its author nor was there any other readily apparent manner in which to determine the identity of its author. U

The interviews with these individuals were begun on May 15 and 16, 1950. While they provided considerable information of interest, with the exception of the interviews with Brothman and Gold, they did not provide information implicating anyone in Soviet espionage. U

Harry Gold was interviewed on May 15, 1950, at which time his general knowledge of the activities of Abraham Brothman was obtained. The interview was discontinued when it was necessary for Gold to return to the hospital where his job required constant attention. Accordingly, for his convenience, arrangements were made to continue the interview on the evening of May 19, 1950. U

Based upon the review of the results of the interview with Gold on May 15, 1950, the field on May 19th was advised that efforts should be made to obtain Gold's written consent to an examination of all his effects. U

Interview of Gold was resumed on May 19, 1950, at which time he was questioned in the Philadelphia Office from 6:20 PM to 1:15 AM May 20, 1950. Gold U

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reiterated the story he had given Agents on May 29, 1947 concerning the circumstances surrounding his meeting Golos and Brothman. Gold gave detailed information concerning his travels during the pertinent time and it is noted that he denied ever having traveled west of the Mississippi River and, likewise, denied knowing Fuchs although he did recognize his picture which had appeared in the newspapers. U

Interview of Gold was resumed on May 20, 1950 at 6:05 PM in the Philadelphia Office, but was limited inasmuch as Gold was fatigued from the interviews conducted the previous evening. Although the interview on May 20, 1950 was not productive, Gold did consent to a resumption of the interview on May 21, 1950 and to a search of his residence on May 22, 1950. U

On May 21, 1950 Gold was reinterviewed from 3:30 PM until 7:20 PM and he continued to deny any association or acquaintance with Fuchs. He did admit that in connection with his thermal diffusion process he considered opening a small laboratory himself and, if successful, would then contact a number of companies to interest them in the process. On the occasion of this interview motion pictures and still photographs of Gold were taken with his permission and arrangements were made to resume the interview on May 22, 1950. U

On the morning of May 22, 1950 interview of Gold was resumed. A search of his premises, with his consent, was immediately conducted, during the course of which Agents located certain material which did not fit in with the story he had previously related. Specifically, there were found a Pennsylvania railroad schedule, reflecting a possible trip to Montreal; a letter from the Pennsylvania Sugar Company, stating that the \$500 loan of Gold had been repaid; and, finally, in back of the books in the bookcase a circular concerning Santa Fe, New Mexico, of the type put out by the Chamber of Commerce. U

As each one of these items was found, Gold was questioned and upon finding the last item it was suggested to him that he "might as well come clean." Gold hesitated and then made the statement that he was the one who had received the information from Dr. Fuchs. Gold stated that he would give a complete confession. Gold admitted that he had been in contact with Fuchs on a number of occasions, commencing early in 1944 in New York City and continuing until September, 1945, when he last saw Fuchs in Santa Fe, New Mexico. U

A copy of Gold's confession is attached. U

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In connection with the current interview of Fuchs in London, still and movie photographs of Gold had been surreptitiously obtained for display to Fuchs. Previously, Fuchs and Robert and Kristel Heimeman had failed to recognize a photograph of Gold. On May 20, 1950 Fuchs was shown the new still photographs of Gold and he did not identify them, though he stated he could not reject them. On May 22, 1950 Fuchs viewed three repeat showings of the moving pictures of Gold, after which he stated that Gold was very likely his contact in the United States. u

It will be noted that this information was received by cable at 11:08 AM May 22, 1950, while Gold had first admitted his espionage activity at approximately 10:45 AM the same day. u

Advice was received by cable today (May 25th) that the photographs which were taken on May 21, 1950 at the Philadelphia Office and which were flown to London by a commercial pilot on May 23, 1950, had been viewed by Fuchs and he had made a positive identification of Gold as being his American contact. u

It is interesting to note that during the interview with Gold, he indicated that at his first contact with Fuchs in New York in 1944 Fuchs was to carry in his hand as one of the means of identification a handball. In later interviews with Fuchs, he indicated that a tennis ball, instead of a handball, was used as a means of identification at the first meeting with Gold. u

You will recall that the prosecutive situation, in view of Gold's admissions, was discussed with Messrs. Ford, McInerney and Foley, of the Department, on the late afternoon of May 23, 1950. The Department decided to proceed against Gold under Section 34, Title 50, U. S. Code, charging a conspiracy to violate Subsection (a) of Section 32, Title 50. Assistant Attorney General McInerney drew the complaint, the contents of which were telephonically furnished to the New York Division with instructions that an Agent swear to it in the Eastern District of New York. Warrant for Gold was issued later that evening and he was arraigned before U. S. District Judge James P. McGranery in Philadelphia at 10:45 PM on May 23, 1950. On the recommendation of the Department, bail was set at \$100,000 and Judge McGranery set June 12, 1950 as the date for the further hearing. Gold was committed to jail in default of bail. u

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It is to be noted that on May 22, 1950, Gold had executed a statement in the presence of Agents in which he recited his desire to furnish voluntarily and of his own free will, to Special Agents of the FBI, certain information he possessed and that for that purpose, had requested Agents to make arrangements so that he could remain with them for a period of several days, which he estimated would be necessary for him to furnish all information of interest. *u*

At the present time we are making all possible efforts to corroborate Gold's story. Leads are being set out by telephone and teletype. In addition, efforts are under way to effect an identification of Gold's espionage associates presently known only under obviously assumed or cover names. *u*

Abraham Brothman is still being interviewed and intensive investigation of him will be continued. *u*

It should be noted that the Albuquerque Office has located a registration card at the Hilton Hotel, Albuquerque, New Mexico, bearing the name Harry Gold, 5032 Boudinot Avenue, Philadelphia 24, showing registration in September, 1945 (the exact date is not yet available), in Room 521. This card reflects Gold's business association as A.B.A. Laboratories, New York City. *u*

This card will be afforded examination in the FBI Laboratory to determine if it is in the handwriting of Harry Gold. The A.B.A. Laboratories, of course, is the firm operated by Brothman in 1945. *u*

At the present time we are attempting to retain the confidence of Gold and to make arrangements for further interviews with him. It will be noted that the attorney (Aaron Miller) selected by Gold advised the Philadelphia Office on May 24, 1950, that after conferring with Gold, he does not desire to represent him. He stated he was of the opinion that Gold would need an attorney of more ability and stature than he, and, further, he did not want to get mixed up in a case of this type. *u*

It should also be noted that a file check made with G-2, ONI, OSI and State Department on Harry Gold, with aliases, has reflected that they have no information concerning him. *u*

ACTION

None. The above is for your information. *u*

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received from the State Department through Liaison channels

TELEGRAPH BRANCH

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Date 5/29/50

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Control: 11749

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DEPARTMENT OF STATE  
MAY 25, 1950  
6:08 p.m.

FROM: Stockholm

TO: Secretary of State

MAY 26 1950

NO: 695, May 25

DIVISION OF SECURITY

SENT DEPARTMENT 695; REPEATED INFORMATION LONDON 128.

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Harry Gold arrest featured by Swedish press under sensational headlines anticipating FBI round-up of widespread Russian atomic spy ring in US. Reports stress that Russian-born Gold is first American citizen to be charged with atomic espionage and that Klaus Fuchs has at least been pressed to name accomplices. Semi-official MORGONTIDNINGEN carries picture of Fuchs captioned "typical representative of politically scatter-brained scientists who first betrayed his country and later his fellow-spies."

CUMMING

AB:RWP

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DATE 2-10-87 BY 3042/pwr/ks  
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File 65-58805

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June 2, 1950

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65-58805-1246

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

Rear Admiral Roscoe H. Hillenkoetter  
Director  
Central Intelligence Agency  
2430 E Street, N. W.  
Washington, D. C.

2-10-87

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DECLASSIFY ON: OADR 12/26/85  
CIA Doc 12/26/85

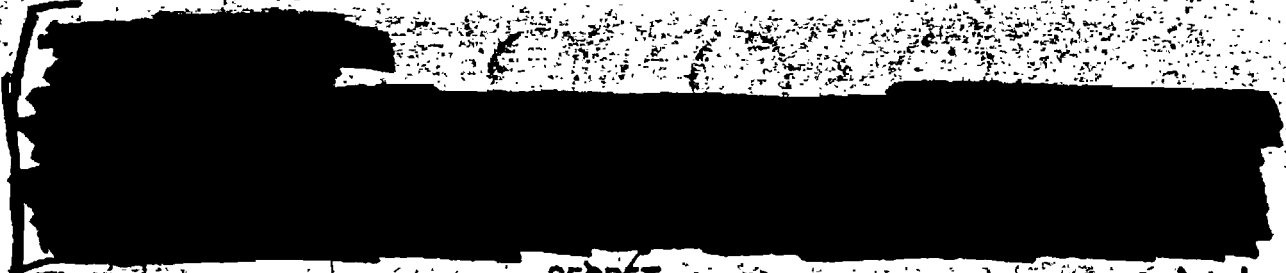
*also per affidavit release  
delivered 6/5/50  
EWS*

Dear Admiral Hillenkoetter:

Reference is made to my letter of March 2, 1950, which furnished you the substance of a statement made by Emil Julius Klaus Fuchs to Dr. Michael W. Perrin, atomic scientist connected with the British Ministry of Supply, concerning technical information furnished to the Soviet Government. The information which Fuchs gave to Dr. Perrin concerning his disclosure to the Soviet Government has been reviewed by a Committee of Senior Responsible Reviewers to consider the effect on the declassification policy of the Atomic Energy Commission. This Committee has prepared a report containing in part an evaluation of the extent of information passed over by Fuchs and an abstract diary of those conferences and meetings on thermonuclear weapons attended by Fuchs while at Los Alamos. It is believed that you will be interested in this information.

This report, which has been furnished by the Atomic Energy Commission and classified "Secret" by them, reads as follows:

"1. The Committee of Senior Responsible Reviewers has examined Info Memo 273/9 (Perrin Report) as well as Info Memo 273/10 (Fuchs statement) and discussed the technical evidence in these documents. An evaluation of the evidence is presented in the following sections:



APPROPRIATE AGENCIES  
AND FIELD OFFICES  
ADVISED BY SLIP(S)  
DATE 12/26/85

- Tolson
- Ladd
- Clegg
- Glavin
- Nichols
- Rosen
- Tracy
- Harbo
- Belmont
- Mohr
- Tele. Room
- Nease
- Gandy

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JUN 7 1950

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Classified by 1259  
Exempt from GDS, Category 2  
Date of Declassification Indefinite

10/2/78  
per EDDA 11/2/75

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**B. Los Alamos**

"7. For the evaluation of the Los Alamos aspects the Committee had the advice of Drs. Bradbury, Hanley, Smith and Teller of the Los Alamos Laboratory. It is apparent that the information regarding weapons which Fuchs turned over to the Russians was very complete.

"8. With respect to the Trinity (plutonium implosion) type weapon, it is clear that the essentials of the bomb in adequate detail were turned over either while Fuchs was at Los Alamos or later. It is also apparent that considerable information was turned over regarding gun-type weapons.

"9. As far as more recent implosion type weapon developments are concerned, Fuchs did not know at the time of his departure what the actual design of the Sandstone bombs would be. However, he was familiar with the ideas and early operating designs of the composite and levitated bombs. It should be recalled that Fuchs' status in the laboratory was that of a highly esteemed scientist and that he participated in all major conferences of the theoretical division while at Los Alamos. It is not clear from the Ferris statement whether Fuchs turned over the idea of the levitated bomb at all or whether he gave more than an indication of the composite bomb and its economic features.

"10. In regard to thermonuclear weapons, the extent of Fuchs participation in the work at Los Alamos Laboratory is indicated by the excerpts quoted in the Tab to this report. Fuchs apparently transmitted

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
- Belmont \_\_\_\_\_
- Mohr \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Nease \_\_\_\_\_
- Gandy \_\_\_\_\_

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\*essentially the ideas contained in the report on the April 1946 'super' conference at Los Alamos (documents LA 551 and LA 575); he was present and a principal participant in this conference.

[REDACTED]

and the idea of using this arrangement as a means of 'boosting' the fission reaction\* was also known while he was at Los Alamos. The other presently conceived thermonuclear weapon, the 'Alarm Clock' was not known to Fuchs when he left Los Alamos (June 1946), nor was it well known to any other member of the British Mission.

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C. Other Projects

\*11. Officially Fuchs had little information concerning other phases of the U. S. Project, e.g., the Hanford project. (This is true of all the members of the British Mission as far as Hanford is concerned.) It would be pertinent to know what Fuchs gave away of such additional information as he may have learned. From the Ferrin report of his confession it would appear that the information in this category which he turned over was relatively minor. The possibility that Fuchs might have made additional disclosures to the Russians should, however, be borne in mind. In addition the extent of information concerning the U. S. project made available to Fuchs as a result of the Technical Cooperation Program should be considered. Although the Ferrin report does not indicate these other sources of information to be involved, it would be valuable to have further information on this point.

\*12. The statements to Ferrin indicate that as far as pile technology is concerned, including British work, Fuchs did not pass a great deal of information to the Russians.

\*13. In the 'booster' the DT reaction is not expected to necessarily proceed in non-equilibrium but serves only to add a large number of neutrons at an early time of energy generation by the nuclear reaction in order to increase the nuclear efficiency.  
see the 'Alarm Clock' refines of [REDACTED]

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
- Belmont \_\_\_\_\_
- Mohr \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Nease \_\_\_\_\_
- Gandy \_\_\_\_\_

[REDACTED]

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**"D. Fundamental Nuclear Information**

"13. It was noted that Fuchs had not transmitted any information relative to the fission process itself, except for such specific information as the spontaneous fission problem (Pu 240). This may possibly be interpreted to mean that fundamental nuclear data were not needed by the Russians because of their own efforts in this field, or because the information was being furnished to them through other sources.

**"E. General**

"14. Detailed examination of the Perrin report and the documents mentioned on the information transmitted by Fuchs has proved very illuminating and has given in general terms a most valuable summary of the situation. Naturally additional questions come to mind. It would be very helpful in evaluating fully our present position if more detailed technical information on transmittals by Fuchs could be obtained. Particular areas in which more detailed information would be useful include thermonuclear weapons, reactors and such diffusion plant problems as barriers, conditioning, etc.

**[ FUCHS PARTICIPATION IN THE THERMONUCLEAR WEAPON PROGRAM AT LOS ALAMOS ]** *Xu*

"(The following abstract was prepared by Dr. R. G. Smith, of Los Alamos Laboratory, from his files. Dr. Smith was present at the meetings described in this abstract)

"1. In a report dated April 3, 1946, from Colonel Secman to Major General Groves, on the subject of participation of British Mission Personnel in the Los Alamos program, the following technical meetings are reported at which Mr. Fuchs was in attendance: *Xu Xu Xu*

*u* **a. 4 March 1946** The Interim Council was addressed by Fuchs of the British Mission on the theory of the gadget. Mr. Titterton also attended the meeting. *Xu*

*u* **b. 11 March 1946** Darol Froman spoke at the Interim Council on the experimental data developed on the levitated implosion gadget and elements of design of that device including the composite gadget of plutonium and uranium. Those attending included Messrs. Bretcher, Fuchs, Mark, and Titterton. *Xu*

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
- Selms \_\_\_\_\_
- Mohr \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Nease \_\_\_\_\_
- Gandy \_\_\_\_\_

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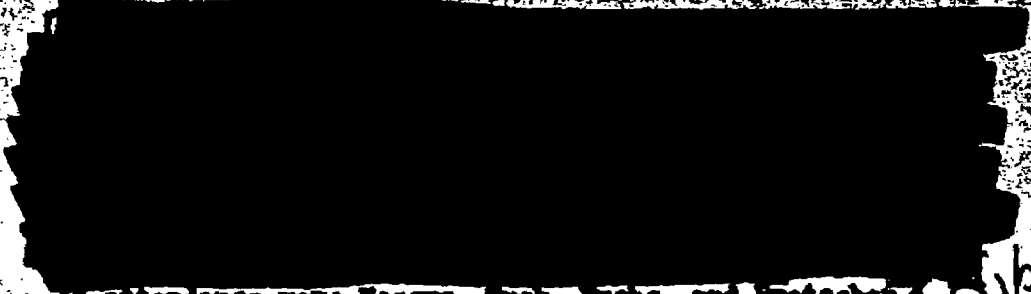
3. 12 March 1946 The Theoretical Seminar was addressed by Teller on the possibility of Thermonuclear reactions in water and air. Attending were Messrs. Bretscher, Fuchs, Mark, and Skyrms. (S) u
4. 25 March 1946 Dr. Bradbury presided at the Interim Council and discussed briefly the postponement of Operation Crossroads. Morrison spoke on "Breeder," "Converters," "Power Piles," and the like. This time Morrison did not go into details of operation as he did several years ago. Present were Messrs. Fuchs and Tuck. (S) u
2. In the report of May 3, 1946 on the British Mission, Colonel Seaman listed several meetings at which Mr. Fuchs was in attendance. Among these are:
- a. 1 April 1946 Mr. H. Kolodney addressed the Interim Council on the operation of IP Site with particular reference to the processing of plutonium from the nitrate to the metal component for an atomic bomb. Messrs. Fuchs and Mark attended. (S) u
- b. 18 April 1946 (1000) First meeting of the "Super" conference. The meeting was held at Mr. Bradbury's office. Mr. Edward Teller addressed the meeting and gave a brief summary of the subject matter described in LA Report No. 551. He restated the physical considerations and the design factors of the proposed embodiment intended to effect these considerations. In attendance were Messrs. Tuck, Fuchs, and Bretscher. (S) u
- c. 18 April 1946 (1400) Second meeting of the "Super" conference. Mr. Edward Teller presided. Mr. H. Hurwitz spoke on the conditions in the beryllium oxide component of the proposed "Super" embodiment. He discussed, inter alia, the [redacted] and the beneficial results accomplished thereby. Mr. von Neumann suggested the ignition of a "Super" bomb through the employment of an implosion process of fissionable material which could be so utilized as to result in a [redacted]

Tolson \_\_\_\_\_  
Ladd \_\_\_\_\_  
Clegg \_\_\_\_\_  
Glavin \_\_\_\_\_  
Nichols \_\_\_\_\_  
Rosen \_\_\_\_\_  
Tracy \_\_\_\_\_  
Harbo \_\_\_\_\_  
Belmont \_\_\_\_\_  
Mohr \_\_\_\_\_  
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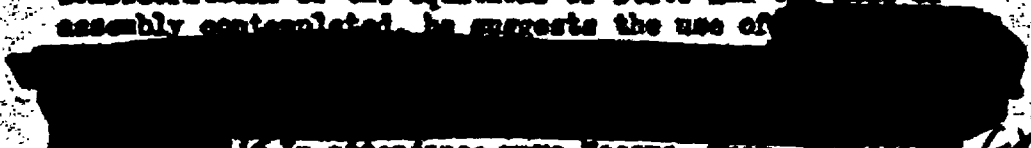
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In attendance were Messrs. Tuck, Fuchs, and Bretscher

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Per  
DOE

14. 19 April 1946 (1000) Third meeting of the "Super" conference. Messrs. Metropolis and Turkevich discussed numerical calculations on various phases of the "Super" carried out on the "Eniac" calculator at Philadelphia. These solutions were for plane systems of infinite dimensions and excluded the wall effects and the inverse Compton effect, but nevertheless indicate the feasibility of the presently proposed design (in IA Report No. 551). Though not complete, they indicate that in such a system the deuterium plus deuterium reaction builds up to a substantial energy release. Mr. Lansdorf discussed the compression properties of deuterium and deuterium plus tritium mixtures. From the considerations of the equations of state and the mode of assembly contemplated, he suggests the use of



In attendance were Messrs. Tuck, Bretscher, and Fuchs.

b1 per [signature]

15. 19 April 1946 (1400) Fourth meeting of the "Super" conference. Mr. Lansdorf continued his discussion on the compression of the various materials. Mr. Edward Teller then addressed the meeting on the experimental program which was believed necessary in the preparation of a "Super." He mentioned a program for the study of the 14 Mev neutrons released in the nuclear reaction and the cross sections for various processes concerning these neutrons and the materials employed in the "Super." Furthermore, the various reactions involved in the "Super," such as tritium plus tritium, helium plus deuterium, hydrogen plus deuterium,

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- Miss \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
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- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
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- Gandy \_\_\_\_\_

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and the like, as well as the nitrogen plus nitrogen reaction should be studied.

proposed by Ulan, etc. In attendance were Messrs. Tuck, Bretscher and Fuchs.

b1 per DOE (S)

\*1. 20 April 1946 (1000) Fifth meeting of the "Super" conference. Mr. Edward Teller presided. The meeting was a general discussion period concerning the possibility of peaceful applications of the deuterium plus deuterium reaction. General schemes were proposed all of which were very far-fetched and presented numerous practical difficulties. In attendance were Messrs. Fuchs, Bretscher, and Tuck.

\*2. On June 1, 1946, Colonel Secman listed in his monthly British Mission report a meeting of May 27, 1946, as follows:

'At the Interim Council Dr. Bradbury spoke briefly on the radiation accident occurring on 21 May 1946, indicating that no critical assembly experiments were to be continued until safer methods were developed, and that the involved plutonium sphere was so "hot" that it will not be handled for some time. The main speaker was J. W. Stout on the developments in slow explosives, particularly inorganic nitrate-plastic compositions, for use in explosive lenses. Mr. Fuchs was present.

\*4. Again on July 2, 1946, Colonel Secman's report on the British Mission includes a meeting involving considerable weapon data at which Mr. Fuchs was in attendance:

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"1 June 1946, Daral Froman presided over the meeting of the Interim Council. Milo Sampson spoke on the material and shock velocities in the proposed [redacted] assembly. Velocities of [redacted] for the material, and [redacted] for the shock were measured employing the pin method for velocity determination. Messrs. Fuchs and Mark attended."

b1 per DOE (S) u

"According to that report, Dr. Fuchs permanently departed from Los Alamos on 15 June 1946. (S) u

"5. On March 6, 1947, Colonel Gee reported a meeting of February 3, 1947, which was attended by Dr. Titterton of the British Mission. The report is as follows (S) u

"Froman presided at the Coordinating Council, briefly mentioning some characteristics of the cyclotron. Tuschek spoke on the fission cross section of U238. Richtmyer gave a short explanation of how this might affect the "Alarm Clock" type Super." (S) u

"6. In connection with the 'booster' proposal, it should be noted that as early as April 12, 1944, in a patent memorandum an implosion type device containing deuterium and tritium was suggested, with the statement that the efficiency of a neutron-induced chain reaction is greatly increased by the action of neutrons produced in a thermonuclear reaction ignited by said fission chain reaction. At another point in the same patent memorandum there is a statement that the neutrons released in the thermonuclear reaction can be utilized for producing fissions in the mass of fissile material used for igniting the thermonuclear reaction and thereby greatly increasing the efficiency of the fission chain reaction. Statements and examples of such devices appeared in many drafts of the proposed patent application on this subject which application was executed by the inventors in August 1946. Figure 6 of that Application Serial No. 699,096 discloses such a device with the statement that the efficiency of an implosion type explosive device may be increased [redacted]

[redacted] deuterium and tritium are also disclosed for this purpose in the patent application. (S) u

b1 per DOE (S) u

- Tolson \_\_\_\_\_
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- Gandy \_\_\_\_\_

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7. Furthermore in November, 1943, Dr. Teller conceived the idea of using [redacted] A patent application was filed in the U. S. Patent Office under application Serial No. 634,826 on 13 December 1945 showing an arrangement generally similar to the booster type weapon. In the application it is stated as follows (S)

b1 per DOE

'As a final example a [redacted] may be considered. In addition to high compressibility and reasonably high neutron-scattering cross sections this mixture releases at high temperatures and densities neutrons produced in the thermonuclear reaction between deuterium and tritium mixed. Some of these neutrons will react with the fissile material causing additional fission and increasing the efficiency.'

b1 per DOE

This is for your confidential information.

With assurances of my highest regards,

Sincerely yours,

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
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June 2, 1950

RECORDED - 58

65-58805-1246

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

Mr. James S. Lay Jr.  
Executive Secretary  
National Security Council  
Executive Office Building  
Washington, D. C.

~~APPROPRIATE AGENCIES  
AND FIELD OFFICES  
ADVISED BY ROUTING  
SLIP(S) OF CLASSIFICATION  
DATE 10/27/81 JIP/RS~~

My dear Mr. Lay:

A Committee of Senior Responsible Reviewers has recently reviewed the technical information Emil Julius Klaus Fuchs gave to Dr. Michael W. Perrin, atomic scientist connected with the British Ministry of Supply, concerning his disclosures to the Soviet Government. This Committee has prepared a report containing in part an evaluation of the extent of information passed over by Fuchs and an abstract diary of those conferences and meetings on thermonuclear weapons attended by Fuchs while at Los Alamos. It is believed that you will be interested in this information.

This report, which has been furnished by the Atomic Energy Commission and classified "Secret" by them, reads as follows:

"1. The Committee of Senior Responsible Reviewers has examined Info Memo 273/9 (Perrin Report) as well as Info Memo 273/10 (Fuchs statement) and discussed the technical evidence in these documents. An evaluation of the evidence is presented in the following sections:



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OTHERWISE

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DECLASSIFY ON: OADR  
PER DOE 10/26/80

also per  
affidavit  
release

- Tolson \_\_\_\_\_
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- Tele. Room \_\_\_\_\_
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Classified by 11/2/89  
Exempt from GDS (Category) 2  
Date of Declassification Indefinite  
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**B. Los Alamos**

b1 per DOE (3)

"7. For the evaluation of the Los Alamos aspects the Committee had the advice of Drs. Bradbury, Manley, Smith and Teller of the Los Alamos Laboratory. It is apparent that the information regarding weapons which Fuchs turned over to the Russians was very complete.

"8. With respect to the Trinity (plutonium implosion) type weapon, it is clear that the essentials of the bomb in adequate detail were turned over either while Fuchs was at Los Alamos or later. It is also apparent that considerable information was turned over regarding gun-type weapons.

"9. As far as more recent implosion type weapon developments are concerned, Fuchs did not know at the time of his departure what the actual design of the Sandstone bombs would be. However, he was familiar with the ideas and early operating designs of the composite and levitated bombs. It should be recalled that Fuchs' status in the laboratory was that of a highly esteemed scientist and that he participated in all major conferences of the theoretical division while at Los Alamos. It is not clear from the Perrin statement whether Fuchs turned over the idea of the levitated bomb at all or whether he gave more than an indication of the composite bomb and its economic features.

"10. In regard to thermonuclear weapons, the extent of Fuchs participation in the work at Los Alamos Laboratory is indicated by the excerpts quoted in the Tab to this report. Fuchs apparently transmitted essentially the ideas contained in the report on the April 1946 'super' conference at Los Alamos (documents LA 551 and LA 575); he was present and a principal participant in this conference.



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and the idea of using this arrangement as a means of 'boosting' the fission reaction\* was also known while he was at Los Alamos. The other presently conceived thermonuclear weapon, the 'Alarm Clock'\*\* was not known to Fuchs when he left Los Alamos (June 1946), nor was it well known to any other member of the British Mission.

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\*C. Other Projects

"11. Officially Fuchs had little information concerning other phases of the U.S. Project, e.g., the Hanford project. (This is true of all the members of the British mission as far as Hanford is concerned.) It would be pertinent to know what Fuchs gave away of such additional information as he may have learned. From the Ferrin report of his confession it would appear that the information in this category which he turned over was relatively minor. The possibility that Fuchs might have made additional disclosures to the Russians should, however, be borne in mind. In addition the extent of information concerning the U. S. project made available to Fuchs as a result of the Technical Cooperation Program should be considered. Although the Ferrin report does not indicate these other sources of information to be involved, it would be valuable to have further information on this point.

\*In the 'booster' the DT reaction is not expected to necessarily proceed in non-equilibrium but serves only to add a large number of neutrons at an early time of energy generation by the nuclear reaction in order to increase the nuclear efficiency.

\*\*The 'Alarm Clock' relies on

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"12. The statements to Perrin indicate that as far as pile technology is concerned, including British work, Fuchs did not pass a great deal of information to the Russians.

"D. Fundamental Nuclear Information

"13. It was noted that Fuchs had not transmitted any information relative to the fission process itself, except for such specific information as the spontaneous fission problem (Pu 240). This may possibly be interpreted to mean that fundamental nuclear data were not needed by the Russians because of their own efforts in this field, or because the information was being furnished to them through other sources.

"E. General

"14. Detailed examination of the Perrin report and the documents mentioned on the information transmitted by Fuchs has proved very illuminating and has given in general terms a most valuable summary of the situation. Naturally additional questions come to mind. It would be very helpful in evaluating fully our present position if more detailed technical information on transmittals by Fuchs could be obtained. Particular areas in which more detailed information would be useful include thermonuclear weapons, reactors and such diffusion plant problems as barriers, conditioning, etc.

u X [ FUCHS PARTICIPATION IN THE THERMONUCLEAR WEAPON PROGRAM AT LOS ALAMOS ]

"(The following abstract was prepared by Dr. R. G. Smith, of Los Alamos Laboratory, from his files. Dr. Smith was present at the meetings described in this abstract) X u

"1. In a report dated April 3, 1946, from Colonel Seaman to Major General Groves, on the subject of participation of British Mission Personnel in the Los Alamos program, the following technical meetings are reported at which Mr. Fuchs was in attendance: X u

u X L "a. 4 March 1946 The Interim Council was addressed by Fuchs of the British Mission on the theory of the gadget. Mr. Titterton also attended the meeting. X u

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- 'b. 11 March 1946 Daryl Frosen spoke at the Interim Council on the experimental data developed on the levitated implosion gadget and elements of design of that device including the composite gadget of plutonium and uranium. Those attending included Messrs. Bretscher, Fuchs, Mark, and Titterton. (S) u
- 'c. 12 March 1946 The Theoretical Seminar was addressed by Teller on the possibility of Thermonuclear reactions in water and air. Attending were Messrs. Bretscher, Fuchs, Mark, and Skyrms. (S) u
- 'd. 25 March 1946 Dr. Bradbury presided at the Interim Council and discussed briefly the postponement of Operation Crossroads. Morrison spoke on "Breeder," "Converters," "Power Piles," and the like. This time Morrison did not go into details of operation as he did several years ago. Present were Messrs. Fuchs and Tuck. (S) u
- '2. In the report of May 3, 1946, on the British Mission, Colonel Seaman listed several meetings at which Mr. Fuchs was in attendance. Among these are: (S) u
- 'a. 1 April 1946 Mr. M. Kolodney addressed the Interim Council on the operation of DP Site with particular reference to the processing of plutonium from the nitrate to the metal component for an atomic bomb. Messrs. Fuchs and Mark attended. (S) u
- 'b. 18 April 1946 (1000) First meeting of the "Super" conference. The meeting was held at Mr. Bradbury's office. Mr. Edward Teller addressed the meeting and gave a brief summary of the subject matter described in LA Report No. 551. He restated the physical considerations and the design factors of the proposed embodiment intended to effect these considerations. In attendance were Messrs. Tuck, Fuchs, and Bretscher. (S) u
- 'c. 18 April 1946 (1400) Second meeting of the "Super" conference. Mr. Edward Teller presided. Mr. H. Bravits spoke on the conditions in the beryllium oxide component

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of the proposed "Super" embodiment. He discussed, inter alia, the [redacted] and the beneficial results accomplished thereby. Dr. von Neumann suggested the ignition of a "Super" bomb through the employment of an implosion process of fissionable material which could be so utilized as to result in a

[redacted]

In attendance were Messrs. Tuck, Fuchs, and Bretscher. b1  
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- 'd. 19 April 1946 (1000) Third meeting of the "Super" conference. Messrs. Metropolis and Turkevich discussed numerical calculations on various phases of the "Super" carried out on the "Eniac" calculator at Philadelphia. These solutions were for plane systems of infinite dimensions and excluded the wall effects and the inverse Compton effect, but nevertheless indicate the feasibility of the presently proposed design (in LA Report No. 551). Though not complete, they indicate that in such a system the deuterium plus deuterium reaction builds up to a substantial energy release. Mr. Lansdorf discussed the compression properties of deuterium and deuterium plus tritium mixtures. From the considerations of the equations of State and the mode of assembly contemplated, he suggests the use of

[redacted]

In attendance were Messrs. Tuck, Bretscher, and Fuchs. b1  
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- 'e. 19 April 1946 (1400) Fourth meeting of the "Super" conference. Mr. Lansdorf continued his discussion on the compression of the various materials. Mr. Edward Teller

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then addressed the meeting on the experimental program which was believed necessary in the preparation of a "Super." He mentioned a program for the study of the 14 Mev neutrons released in the nuclear reaction and the cross sections for various processes concerning these neutrons and the materials employed in the "Super." Furthermore, the various reactions involved in the "Super," such as tritium plus tritium, helium plus deuterium, hydrogen plus deuterium, and the like, as well as the nitrogen plus nitrogen reaction should be studied. ||

proposed by Ulam, etc. In attendance were Messrs. Tuck, Bretscher and Fuchs. (S) b/p  
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\*2. 20 April 1946 (1000) Fifth meeting of the "Super" conference. Mr. Edward Teller presided. The meeting was a general discussion period concerning the possibility of peaceful applications of the deuterium plus deuterium reaction. General schemes were proposed all of which were very far-fetched and presented numerous practical difficulties. In attendance were Messrs. Fuchs, Bretscher, and Tuck.'

\*3. On June 1, 1946, Colonel Seaman listed in his monthly British Mission report a meeting of May 27, 1946, as follows:

'At the Interim Council Dr. Bradbury spoke briefly on the radiation accident occurring on 21 May 1946, indicating that no critical assembly experiments were to be continued until safer methods were developed, and that the involved plutonium sphere was so "hot" that it will not be handled for some time. The main speaker was J. W. Stout on the

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developments in slow explosives, particularly barium nitrate-plastic compositions, for use in explosive lenses. Mr. Fuchs was present.' (S)

\*4. Again on July 2, 1946, Colonel Seeman's report on the British Mission includes a meeting involving considerable weapon data at which Mr. Fuchs was in attendance:

'3 June 1946 Darol Froman presided over the meeting of the Interim Council. Milo Sampson spoke on the material and shock velocities in the proposed [redacted] Assembly. Velocities of [redacted] for the material, and [redacted] for the shock were measured employing the pin method for velocity determination. Messrs. Fuchs and Mark attended.'

'According to that report, Mr. Fuchs permanently departed from Los Alamos on 15 June 1946. b1 per DOE

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'Froman presided at the Coordinating Council, briefly mentioning some characteristics of the cyclotron. Taschek spoke on the fission cross section of U238. Richtmyer gave a short explanation of how this might affect the "Alarm Clock" type Super.'

\*6. In connection with the 'booster' proposal, it should be noted that as early as April 12, 1944, in a patent memorandum an implosion type device containing deuterium and tritium was suggested, with the statement that the efficiency of a neutron-induced chain reaction is greatly increased by the action of neutrons produced in a thermonuclear reaction ignited by said fission chain reaction. At another point in the same patent memorandum there is a statement that the neutrons released in the thermonuclear reaction can be utilized for producing fissions in the mass of fissile material used for igniting the thermonuclear reaction and thereby greatly increasing the efficiency of the fission chain reaction. Statements and examples of such devices appeared in many drafts of the proposed patent application on this subject which application was executed by the inventors in August 1946. Figure 6 of that Application Serial No. 699,096 discloses such a device with the statement that the efficiency of an implosion type explosive device may be increased [redacted]

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[redacted] A patent application was filed in the U. S. Patent Office under application Serial No. 634,826 on 13 December 1945 showing an arrangement generally similar to the booster type weapon. In the application it is stated as follows: b1  
DOE

"As a final example a [redacted] may be considered. In addition to high compressibility and reasonably high neutron-scattering cross sections this mixture releases at high temperatures and densities neutrons produced in the thermonuclear reaction between deuterium and tritium nuclei. Some of these neutrons will react with the fissile material causing additional fission and increasing the efficiency." b1  
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This is for your confidential information. (u)

With assurances of my highest regards,

Sincerely yours, (u)

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June 2, 1960

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65-58805-1246

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

Rear Admiral Earl E. Stone, U.S.N.  
Director  
Armed Forces Security Agency  
Department of Defense  
Washington 25, D. C.

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AND FIELD OFFICES  
ADVISED BY ROUTING  
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DATE 10/3/74~~

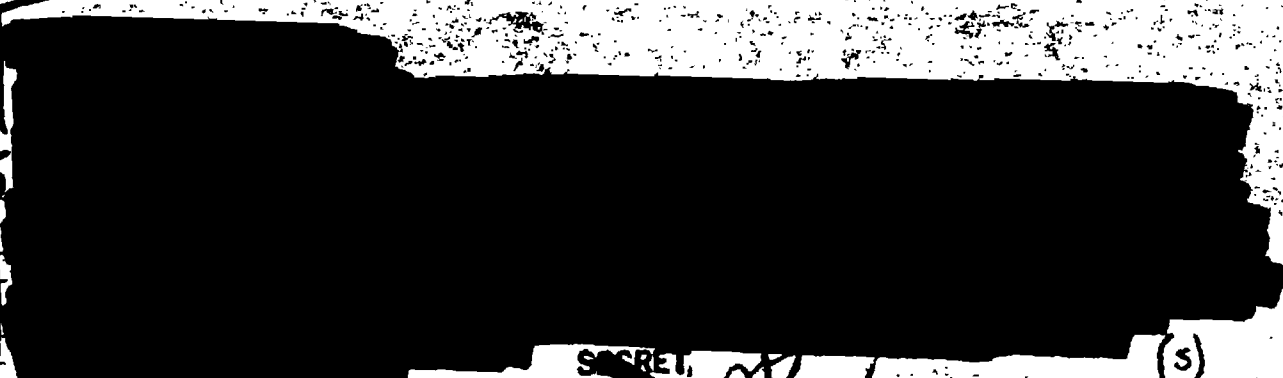
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EPP*

My dear Admiral:

Reference is made to my letter of March 23, 1960, which furnished you the substance of a statement made by Emil Julius Klaus Fuchs to Dr. Michael W. Perrin, atomic scientist connected with the British Ministry of Supply, concerning technical information furnished to the Soviet Government. The information which Fuchs gave to Dr. Perrin concerning his disclosures to the Soviet Government has been reviewed by a Committee of Senior Responsible Reviewers to consider the effect on the declassification policy of the Atomic Energy Commission. This Committee has prepared a report containing in part an evaluation of the extent of information passed over by Fuchs and an abstract diary of those conferences and meetings on thermonuclear weapons attended by Fuchs while at Los Alamos. It is believed that you will be interested in this information.

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also per 6/25/55  
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DATE: 2-16-87  
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Classified by 258  
Exempt from GDS Category 2  
Date of Declassification Indefinite  
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**"8. Los Alamos**

b1 per DOE (S)

"7. For the evaluation of the Los Alamos aspects the Committee had the advice of Drs. Bradbury, Manley, Smith and Teller of the Los Alamos Laboratory. It is apparent that the information regarding weapons which Fuchs turned over to the Russians was very complete.

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"10. In regard to thermonuclear weapons, the extent of Fuchs participation in the work at Los Alamos Laboratory is indicated by the excerpts quoted in the Tab to this report. Fuchs apparently transmitted essentially the ideas contained in the report on the April 1946 'super' conference at Los Alamos (documents LA 561 and LA 575); he was present and a principal participant in this conference.

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and the idea of using this arrangement as a means of 'boosting' the fission reaction<sup>(S)</sup> was also known while he was at Los Alamos. The other presently conceived thermonuclear weapon, the 'Alarm Clock'<sup>(S)</sup> was not known to Fuchs when he left Los Alamos (June 1946), nor was it well known to any other member of the British Mission.

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"C. Other Projects

"11. Officially Fuchs had little information concerning other phases of the U.S. Project, e.g., the Hanford project. (This is true of all the members of the British mission as far as Hanford is concerned.) It would be pertinent to know what Fuchs gave away of such additional information as he may have learned. From the Perrin report of his confession it would appear that the information in this category which he turned over was relatively minor. The possibility that Fuchs might have made additional disclosures to the Russians should, however, be borne in mind. In addition the extent of information concerning the U. S. project made available to Fuchs as a result of the Technical Cooperation Program should be considered. Although the Perrin report does not indicate these other sources of information to be involved, it would be valuable to have further information on this point.

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"In the 'booster' the DT reaction is not expected to necessarily proceed in non-equilibrium but serves only to add a large number of neutrons at an early time of energy generation by the nuclear reaction in order to increase the nuclear efficiency.

"The 'Alarm Clock' relies on [REDACTED]

[REDACTED]

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"E. General

"14. Detailed examination of the Ferris report and the documents mentioned on the information transmitted by Fuchs has proved very illuminating and has given in general terms a most valuable summary of the situation. Naturally additional questions come to mind. It would be very helpful in evaluating fully our present position if more detailed technical information on transmittals by Fuchs could be obtained. Particular areas in which more detailed information would be useful include thermonuclear weapons, reactors and such diffusion plant problems as barriers, conditioning, etc.

"FUCHS PARTICIPATION IN THE THERMONUCLEAR  
WEAPON PROGRAM AT LOS ALAMOS

"(The following abstract was prepared by Dr. R. O. Smith, of Los Alamos Laboratory, from his files. Dr. Smith was present at the meetings described in this abstract)

"1. In a report dated April 3, 1946, from Colonel Seaman to Major General Groves, on the subject of participation of British Mission Personnel in the Los Alamos program, the following technical meetings are reported at which Mr. Fuchs was in attendance:

- "a. 4 March 1946 The Interim Council was addressed by Fuchs of the British Mission on the theory of the gadget. Mr. Titterton also attended the meeting.
- "b. 11 March 1946 Darol Frosen spoke at the Interim Council on the experimental data developed on the levitated implosion gadget and elements of design of that device including the composite gadget of plutonium and uranium. Those attending included Messrs. Bretscher, Fuchs, Mark, and Titterton.
- "c. 12 March 1946 The Theoretical Seminar was addressed by Feller on the possibility of Thermonuclear reactions in water and air. Attending were Messrs. Bretscher, Fuchs, Mark, and Smyrna.
- "d. 25 March 1946 Dr. Bradbury presided at the Interim Council and discussed briefly the postponement of Operation Crossroads. Morrison spoke on "Breeder," "Converters,"

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"Power Piles," and the like. This time Morrison did not go into details of operation as he did several years ago. Present were Messrs. Fuchs and Tuck. (S) u

"2. In the report of May 8, 1946, on the British Mission, Colonel Seeman listed several meetings at which Mr. Fuchs was in attendance. Among these are: (S) u

"a. 1 April 1946 Mr. M. Kolodney addressed the Interim Council on the operation of DP Site with particular reference to the processing of plutonium from the nitrate to the metal component for an atomic bomb. Messrs. Fuchs and Mark attended. (S) u

"b. 18 April 1946 (1000) First meeting of the "Super" conference. The meeting was held at Mr. Bradbury's office. Mr. Edward Teller addressed the meeting and gave a brief summary of the subject matter described in LA Report No. 551. He restated the physical considerations and the design factors of the proposed embodiment intended to effect these considerations. In attendance were Messrs. Tuck, Fuchs, and Bretscher. (S) u

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In attendance were Messrs. Tuck, Fuchs, and Bretscher.

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4. 19 April 1946 (1000) Third meeting of the "Super" conference. Messrs. Metropolis and Turkevich discussed numerical calculations on various phases of the "Super" carried out on the "Eniac" calculator at Philadelphia. These solutions were for plane systems of infinite dimensions and excluded the wall effects and the inverse Compton effect, but nevertheless indicate the feasibility of the presently proposed design (in LA Report No. 551). Though not complete, they indicate that in such a system the deuterium plus deuterium reaction builds up to a substantial energy release. Mr. Lansdorf discussed the compression properties of deuterium and deuterium plus tritium mixtures. From the considerations of the equations of state and the mode of assembly contemplated, he suggests the use of [REDACTED]

[REDACTED] in attendance were Messrs. Luck, Bretscher, and Fuchs. *S*

*b1 per DOE*

5. 19 April 1946 (1400) Fourth meeting of the "Super" conference. Mr. Lansdorf continued his discussion on the compression of the various materials. Mr. Edward Teller then addressed the meeting on the experimental program which was believed necessary in the preparation of a "Super." He mentioned a program for the study of the 14 Mev neutrons released in the nuclear reaction and the cross sections for various processes concerning these neutrons and the materials employed in the "Super." Furthermore, the various reactions involved in the "Super," such as tritium plus tritium, helium plus deuterium, hydrogen plus deuterium, and the like, as well as the nitrogen plus nitrogen reaction should be studied. [REDACTED]

[REDACTED]

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[REDACTED]  
proposed by Ulam, etc. In attendance were Messrs. Tuck, Bretscher and Fuchs. (S) b/pu CIA

"2. 20 April 1946 (1000) Fifth meeting of the "Super" conference. Mr. Edward Teller presided. The meeting was a general discussion period concerning the possibility of peaceful applications of the deuterium plus deuterium reaction. General schemes were proposed all of which were very far-fetched and presented numerous practical difficulties. In attendance were Messrs. Fuchs, Bretscher, and Tuck."

"3. On June 1, 1946, Colonel Seeman listed in his monthly British Mission report a meeting of May 27, 1946, as follows:

"At the Interim Council Dr. Bradbury spoke briefly on the radiation accident occurring on 21 May 1946, indicating that no critical assembly experiments were to be continued until safer methods were developed, and that the involved plutonium sphere was so "hot" that it will not be handled for some time. The main speaker was J. W. Stout on the developments in slow explosives, particularly barium nitrate-plastic compositions, for use in explosive lenses. Mr. Fuchs was present."

"4. Again on July 2, 1946, Colonel Seeman's report on the British Mission includes a meeting involving considerable weapon data at which Mr. Fuchs was in attendance:

"3 June 1946 Darol Froman presided over the meeting of the Interim Council. Milo Sampson spoke on the material and shock velocities in the proposed [REDACTED] assembly. Velocities of [REDACTED] for the material, and [REDACTED] for the shock were measured employing the pin method for velocity determination. Messrs. Fuchs and Mark attended." b/pu CIA

"According to that report, Mr. Fuchs permanently departed from Los Alamos on 15 June 1946.

"5. On March 6, 1947, Colonel Gee reported a meeting of February 3, 1947, which was attended by Dr. Titterton of the British Mission. The report is as follows:

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"Froman presided at the Coordinating Council, briefly mentioning some characteristics of the cyclotron. Taschek spoke on the fission cross section of U238. Richtmyer gave a short explanation of how this might affect the "Alarm Clock" type Super."

"6. In connection with the 'booster' proposal, it should be noted that as early as April 12, 1944, in a patent memorandum an implosion type device containing deuterium and tritium was suggested, with the statement that the efficiency of a neutron-induced chain reaction is greatly increased by the action of neutrons produced in a thermonuclear reaction ignited by said fission chain reaction. At another point in the same patent memorandum there is a statement that the neutrons released in the thermonuclear reaction can be utilized for producing fissions in the mass of fissile material used for igniting the thermonuclear reaction and thereby greatly increasing the efficiency of the fission chain reaction. Statements and examples of such devices appeared in many drafts of the proposed patent application on this subject which application was executed by the inventors in August 1946. Figure 6 of that Application Serial No. 699,096 discloses such a device with the statement that the efficiency of an implosion type explosive device may be increased

[redacted] mixtures of deuterium and tritium are also disclosed for this purpose in the patent application.

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"7. Furthermore in November, 1943, Dr. Teller conceived the idea of using a [redacted]

[redacted] patent application was filed in the U. S. Patent Office under application Serial No. 634,826 on 15 December 1945 showing an arrangement generally similar to the booster type weapon. In the application it is stated as follows:

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"As a final example a [redacted] may be considered. In addition to high compressibility and reasonably high neutron-scattering cross sections this mixture releases at high temperatures and densities neutrons produced in the thermonuclear reaction between deuterium and tritium nuclei. Some of these neutrons will react with the fissile material causing additional fission and increasing the efficiency."

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This is for your confidential information. (u)

With expressions of my highest esteem and best regards, (u)

Sincerely yours,

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June 2, 1950

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RECORDED - 58

65-58805-1246

PERSONAL AND CONFIDENTIAL  
VIA LIAISON

Honorable Louis A. Johnson  
Secretary of Defense  
Washington 25, D. C.

per DOE letter 6-25-75 also per affidavit release  
CLASSIFIED BY: 3042/PWT/CLS  
DECLASSIFY ON: OADR 2-10-87

Dear Louis:

Reference is made to my letter of March 4, 1950, which furnished you the substance of a statement made by Emil Julius Klaus Fuchs to Dr. Michael W. Perrin, atomic scientist connected with the British Ministry of Supply, concerning technical information furnished to the Soviet Government. The information which Fuchs gave to Dr. Perrin concerning his disclosures to the Soviet Government has been reviewed by a Committee of Senior Responsible Reviewers to consider the effect on the declassification policy of the Atomic Energy Commission. This Committee has prepared a report containing in part an evaluation of the extent of information passed over by Fuchs and an abstract diary of those conferences and meetings on thermonuclear weapons attended by Fuchs while at Los Alamos. It is believed that you will be interested in this information.

This report, which has been furnished by the Atomic Energy Commission and classified "Secret" by them, reads as follows:

1. The Committee of Senior Responsible Reviewers has examined Info Memo 273/9 (Perrin Report) as well as Info Memo 273/10 (Fuchs statement) and discussed the technical evidence in these documents. An evaluation of the evidence is presented in the following sections:



ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
EXCEPT WHERE SHOWN  
OTHERWISE

- Tolson \_\_\_\_\_
- Ladd \_\_\_\_\_
- Clegg \_\_\_\_\_
- Glavin \_\_\_\_\_
- Nichols \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tracy \_\_\_\_\_
- Harbo \_\_\_\_\_
- Mohr \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Nease \_\_\_\_\_
- Gandy \_\_\_\_\_

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Classified by 159  
Exempt from GDS Category 2  
Date of Declassification Indefinite  
JOB/NA 1/12/78  
per ERDA letter 11/21/75

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JUN 7 1950

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**7. Los Alamos**

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27. For the evaluation of the Los Alamos aspects the Committee had the advice of Drs. Bradbury, Munley, Smith and Teller of the Los Alamos Laboratory. It is apparent that the information regarding weapons which Fuchs turned over to the Russians was very complete.

28. With respect to the Trinity (plutonium implosion) type weapon, it is clear that the essentials of the bomb in adequate detail were turned over either while Fuchs was at Los Alamos or later. It is also apparent that considerable information was turned over regarding gun-type weapons.

29. As far as more recent implosion type weapon developments are concerned, Fuchs did not know at the time of his departure what the actual design of the Sandstone bombs would be. However, he was familiar with the ideas and early operating designs of the composite and levitated bombs. It should be recalled that Fuchs' status in the laboratory was that of a highly esteemed scientist and that he participated in all major conferences of the theoretical division while at Los Alamos. It is not clear from the Ferrin statement whether Fuchs turned over the idea of the levitated bomb at all, or whether he gave more than an indication of the composite bomb and its economic features.

30. In regard to thermonuclear weapons, the extent of Fuchs' participation in the work at Los Alamos Laboratory is indicated by the excerpts quoted in the tab to this report. Fuchs apparently transmitted essentially the ideas contained in the report on the April 1946 'super' conference at Los Alamos (documents LA 551 and LA 573); he was present and a principal participant in this conference.



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and the idea of using this arrangement as a means of 'boosting' the fission reaction\* was also known while he was at Los Alamos. The other presently conceived thermonuclear weapon, the 'Alarm Clock'\*\* was not known to Fuchs when he left Los Alamos (June, 1946), nor was it well known to any other member of the British Mission.

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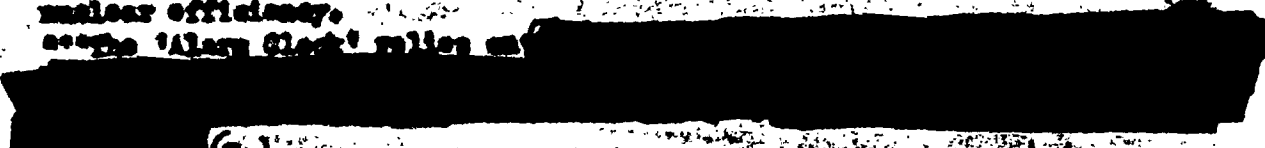
**\*C. Other Projects**

\*11. Officially Fuchs had little information concerning other phases of the U. S. Project, e.g., the Hanford project. (This is true of all the members of the British mission as far as Hanford is concerned.) It would be pertinent to know what Fuchs gave away of such additional information as he may have learned. From the Ferrin report of his confession it would appear that the information in this category which he turned over was relatively minor. The possibility that Fuchs might have made additional disclosures to the Russians should, however, be borne in mind. In addition the extent of information concerning the U. S. project made available to Fuchs as a result of the Technical Cooperation Program should be considered. Although the Ferrin report does not indicate these other sources of information to be involved, it would be valuable to have further information on this point.

\*12. The statements to Ferrin indicate that as far as pile technology is concerned, including British work, Fuchs did not pass a great deal of information to the Russians.

\*\*In the 'boosted' the DT reaction is not expected to necessarily proceed in non-equilibrium but serves only to add a large number of neutrons at an early time of energy generation by the nuclear reaction in order to increase the nuclear efficiency.

\*\*\*The 'Alarm Clock' relies on



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**7. Fundamental Nuclear Information**

"13. It was noted that Fuchs had not transmitted any information relative to the fission process itself, except for such specific information as the spontaneous fission problem (Fu 340). This may possibly be interpreted to mean that fundamental nuclear data were not needed by the Russians because of their own efforts in this field, or because the information was being furnished to them through other sources.

**7. General**

"14. Detailed examination of the Ferris report and the documents mentioned on the information transmitted by Fuchs has proved very illuminating and has given in general terms a most valuable summary of the situation. Naturally additional questions come to mind. It would be very helpful in evaluating fully our present position if more detailed technical information as transmitted by Fuchs could be obtained. Particular areas in which more detailed information would be useful include thermonuclear weapons, reactors and such diffusion plant problems as barriers, conditioning, etc.

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