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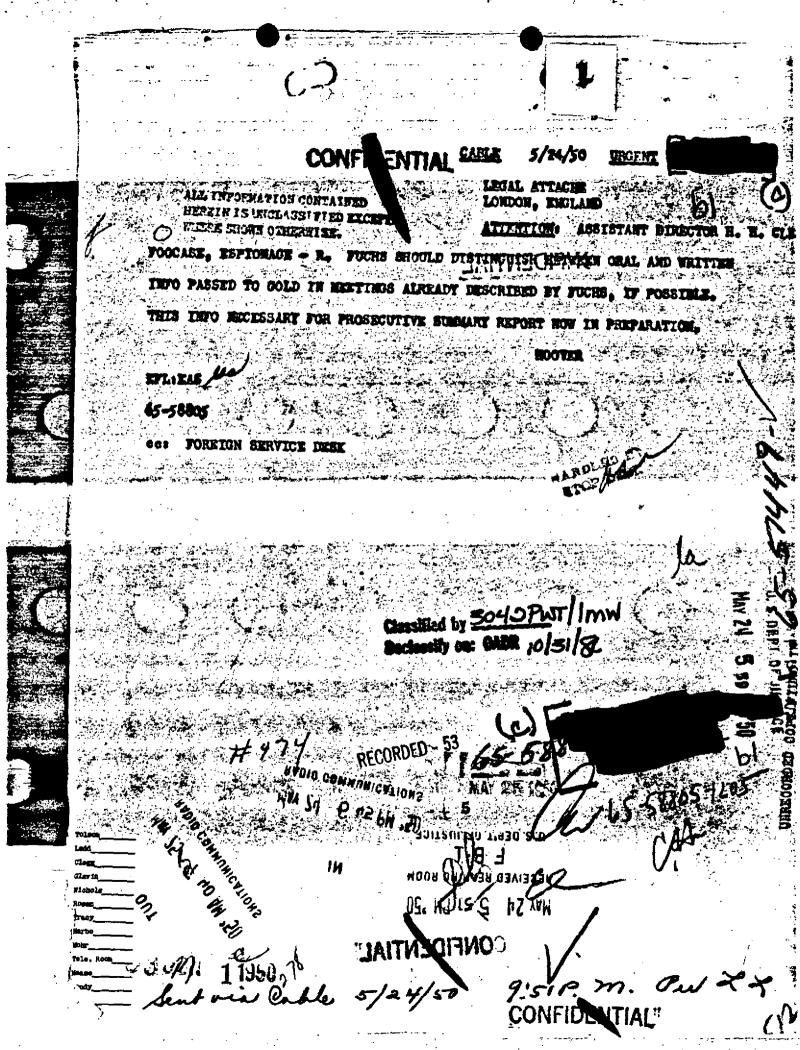
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COMMUNICATIONS SECTION:

Transmit the following message to:

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AUTHORITY INCLUDES PATHRET EXTERNAL

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DIRECTOR'S OFFICE

65-86806

Classified by 304

TOTAL SERVICE

increasing pessibility that Harry Gold is and the urgency of this case, it is fedgmended that the travel expenses of Robert Meintmen Dand, if necessary, his attorney, be approved for the purpose of viewing Geld in Philadelphia. Previous trips

by Reinman and his attermy to NYC to view have been authorized.

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NAY 19 1950

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May 2, 1960

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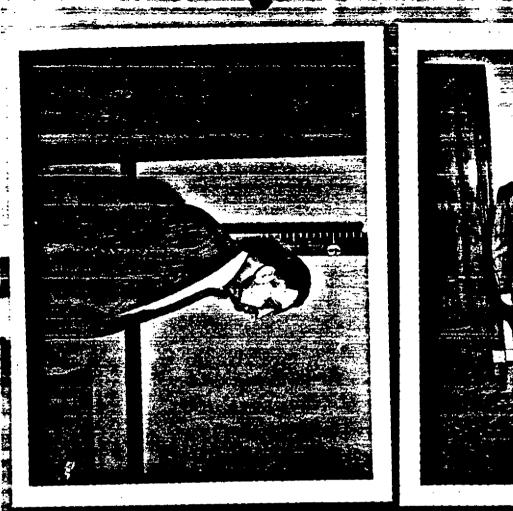
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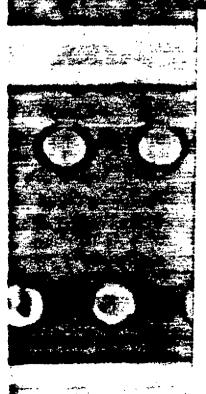
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FEDERAL BUREAU OF INVESTIGATION U. S. DEPARTMENT OF JUSTICE ADMICATIONS SECTION TOP 18 1**950** SLIP(S) OF Washington 28 from New York ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DIRECTOR EXCEPT VIVINE SHOWN OTHERWISE O FOOCASE, ESP-R. RENYTEL TO BUREAU AND PHILA. MAY ONE SIX LAST IN BROTHMAN CASE DETAILING INTERVIEW WITH HARRY GOLD. NOTED IN REFTEL THERE IS A DEFINITE SIMILARITY BETWEEN FACIAL APPEARANCE OF GOLD AND JOSEPH A ROBBINS WHOSE PHOTO WAS SELECTED BY FUCHS AS POSSIBLY IDENT UNSUB. ALSO NOTED GOLD IS STOOP SHOULDERED. NYO UTILIZING CONSIDERABLE MANPOWER IN SURVEILLANCE OF ROBBINS WHICH HAS BEETED DESCRIPTION GENERALLY UNPRODUCTIVE. NOTED ROBBINS WEARING NEW EYEGLASSES WHICH WOULD EXPLAIN HIS VISITS TO UNION SQUARE OPTICAL CO. IN VIEW OF RECENT DEVELOPMENTS INDICATING GOLD IS POSSIBLE IDENT UNSUE BUREAU AUTHORITY REQUESTED TO DISCONTINUE SURVEILLANCE ON ROBBINS AND CHECK HIS WHEREABOUTS AT FREQUENT AND REGULAR INTERVALS THRU CONTACT OYER HARDESTY AND HANOVER, NY. SUPPERIIED by Exemptarom GDS, Category 65-58805-1207

DIRECTOR, PRI For your assistance in this investigation there are enclosed herewith for all offices except Boston, two copies of a series of seven photographs of For the Boston Office there are enclosed four ecpies of the same series of photographs. The Boston Office should display these photographs to the Binemais and to Kometentin Lafasance for possible identification. CC: Roston (Roelestifes) Philadelphia (Backgeures) Albuquerque (Backesures) 65-58805-1208 MAY 25 1950 MAY 23 1950 53 MAY 31 1950

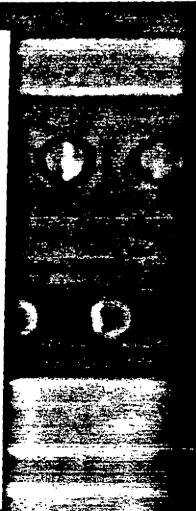




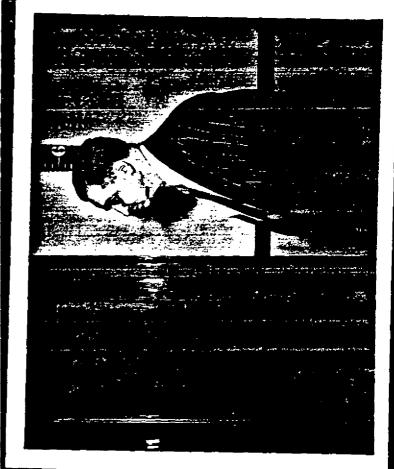












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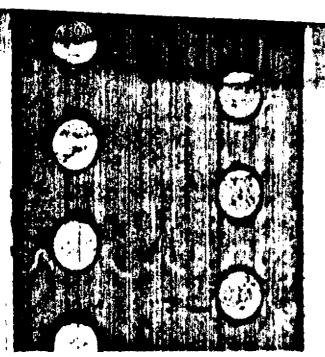


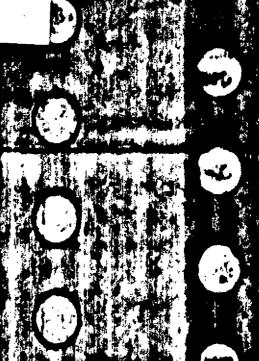


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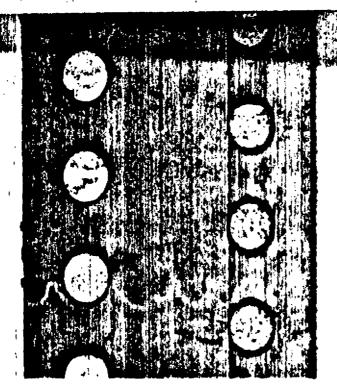


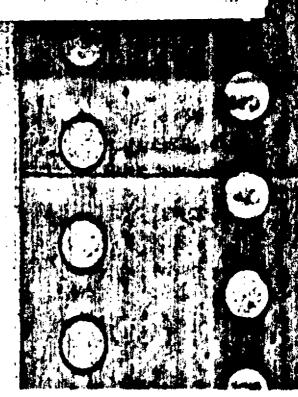


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2 copies of series of 7 photos of Harry Gold, for Bufiles

65-58805





Logal Attacho. leadon, Incland Attention: Assistant Director R. B. Clegg John Edgar Moover, Mrestor Federal Sureau of Investigation POOGLER espionage - R For your information and assistance in somestica with the interrogation of Fucks, there are enclosed herewith a letter from the Abomic Emergy Commission, dated May 19, 1950, and its enclosures entitled "Eveluation of Fuchs Case by Committee of Senior Responsible Reviewers" and "Puchs" Participation in the Thermomeology Weapon frogrem at ion Alamon," all of which are classified Secrete. Tou will note that the Committee of Senior Responsible Reviewers raises several questions in its report, most of which are of a technical mature. It will not be necessary that you endeaver to obtain the answers to these technical questions, as this has been undertaken by the Atomie Smergy Countesten. You should, heverer, attempt to determine from Fuchs whether he turned ever to the Bussians the document designated "MSH-18," and in general terms the extent of his disclosures, as, for exemple, whether he furnished my information concerning the Burford Plant or other phases of the United States pr joot. Battant 1

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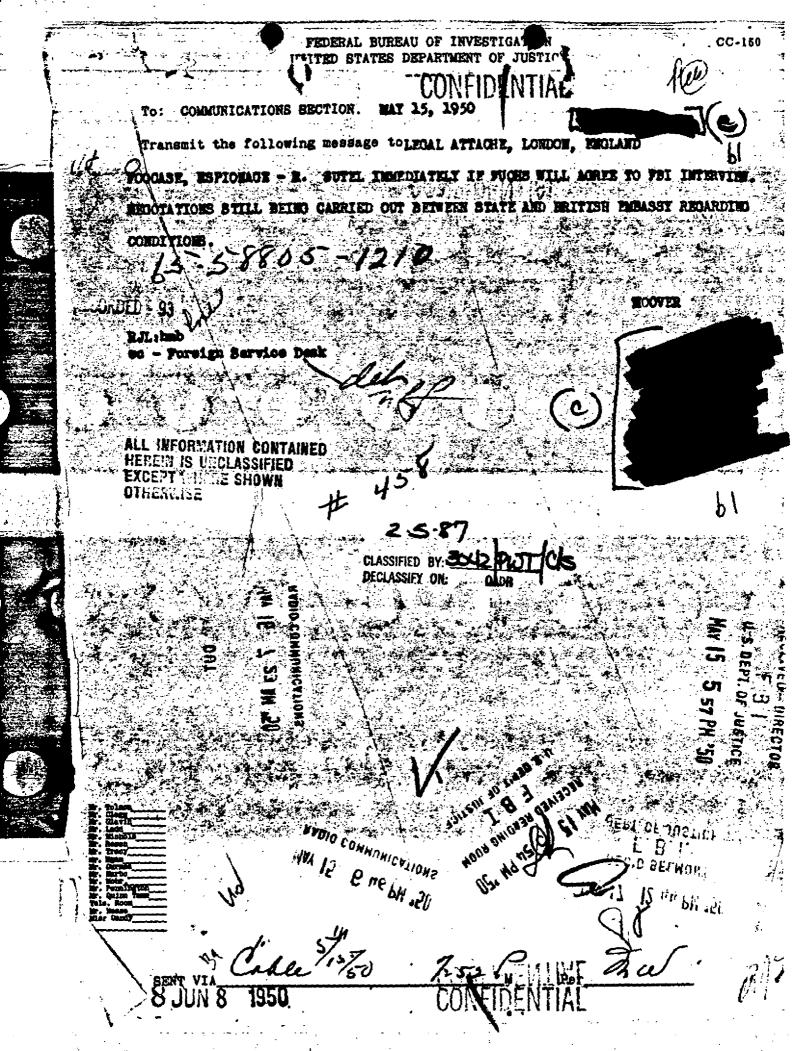
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OFFICE OF DIRECTOR, FEDERAL BUREAU OF INVESTIGATION

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### FEDERAL BUREAU OF INVESTIGATION FOIPA DELETED PAGE INFORMATION SHEET

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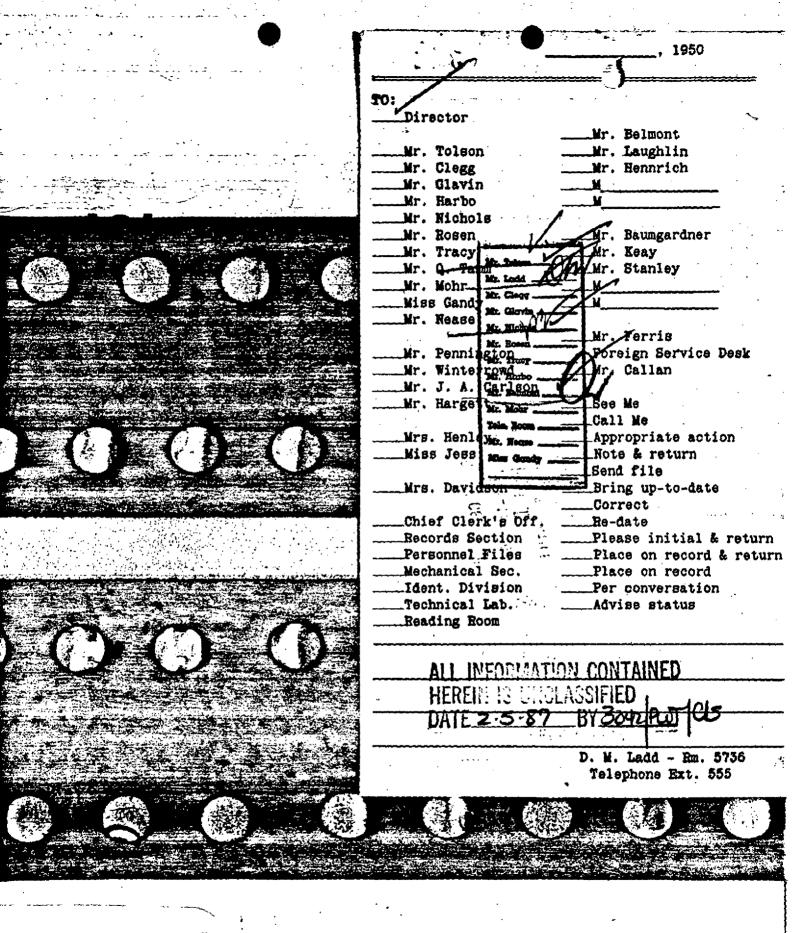
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DATED MAY 19. 1950 AT LONDON, ENGLAND. D8 JUN 8 1950(U)

# Office Memorandum · UNITED STATES GOVERNMENT

DATE: May 15, 195 THE DIRECTOR D. M. Ladd SUBJECT: ENIL KLAUS FUCHS TOLLEGIFIED BY 3042 PUT CL ESPIONAGE - R e i **com**encial des est Mr. Jack Neal of the State Department called on Saturday afternoon, May 13, and advised that the State Department had forwarded to Mr. Peyton Ford's office a reply to the latest memorandum from the Department relative to the restrictions linterviewing Fuchs. Subsequently, on the same afternoon, Mr. Peyton Ford called and advised that he had been informed by Mr. Webb that a reply had been sent to the Department but that he, Ford, had not seen it as yet. He stated further that he understood that this reply basically approved the interview and had lifted the restrictions; that he, Mr. Ford, thought even though there were some slight restriction it might be desirable to conduct the interview as soon as possible. In this regard he pointed out that Senator McMahon is getting mad and has indicated that he might make a speech; that this could be highly undesirable because of the effect it might have on Anglo-American relations. I told Peyton Ford that of course the Bureau could not lyet decide what steps it was going to take until we had received the reply in writing in order that we might study it and determine whether it in fact does lift the restrictions. Twe will gity & boron DVL:dad cc - Mr. Belmont and angunan CIS- Six Byth 165 51805 1211 Jeb - 93 Gassified by 23.9 Lempt from COS



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#### PEDERAL BUREAU OF INVESTIGATION UNITED STATES DEPARTMENT OF JUSTICS

To: COMMUNICATIONS SECTION.

Transmit the following message to:

MAY 23, 1950

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CONFIDE ATTENTION: ASSISTANT DIRECTOR H. H. CLESC

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GOLD VIOLATION SECTION THIRTY FOUR, TITLE FIFTY, US CODE PARENTHESIS
CONSPIRACY TO VIOLATE WARTIME ESPICNAGE ENPARENTHESIS. ABOVE FOR YOUR
INFORMATION. YOUR BRITISH SOURCES MAY BE INFORMED.

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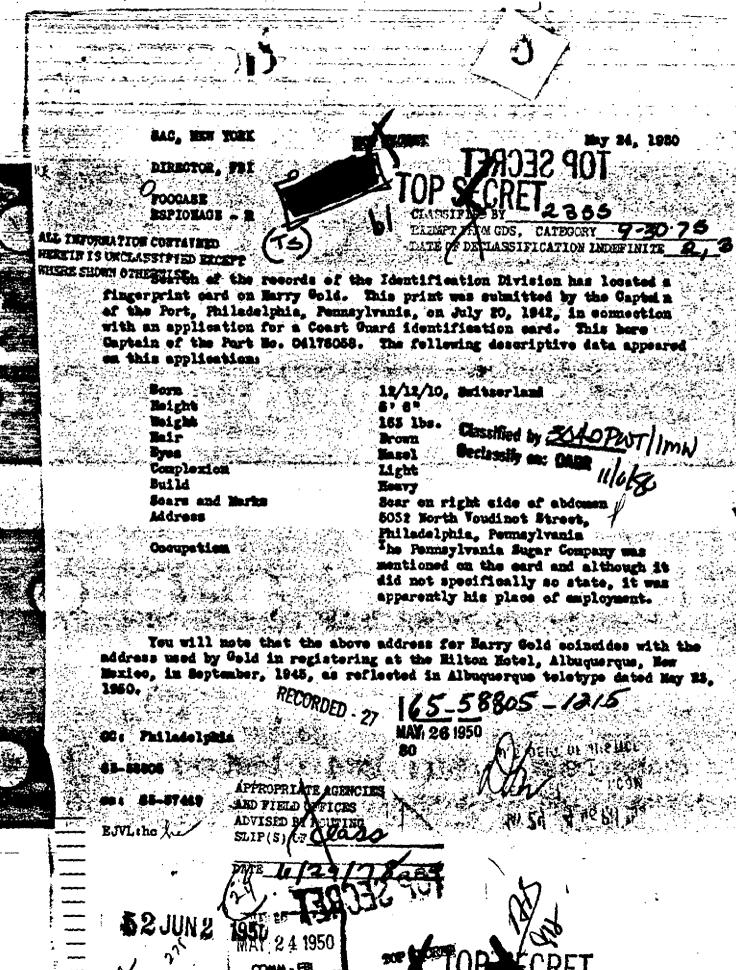
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### TOP SECRET

Subject: List of Questions Given to the British for Submission to Dr. Klaus Puchs

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The following sets of questions were submitted to the British on February 13, 1950 and on March 10, 1950, respectively, by the CIA on behalf of the Joint Buclear Energy Intelligence Committee, composed of representatives of the Intelligence Divisions of the Departments of the Army, Mavy, Air Forces, State, the AEC and CIA. The questions were based on material and information that Fuchs was known to have passed on or might have passed on to the Soviet Union and was limited to information already in the possession of the British. (4)

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all information unclassified exceptions paragraphs marked secret by letter bated 1.26.76 from ERDA per CIA

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MAY 26 1950

TOP SECRET

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### Questions Asked on Pebruary 13, 1950

- 1. There are a number of questions in conjunction with the exposure of Dr. Klaus Fuchs as a Soviet agent, the answers to which are of interest to me. Specifically, answers are requested to the following questions:
  - Did Dr. Fuchs have a clearance for special intelligence?



- Can a specific list of information transmitted by Dr. Fuchs be furnished together with the date of transmittal and a description of the form in which the information was transmitted, i.e., laboratory drawings, sketches, etc.?
- d. Were any detailed questions asked Dr. Fuchs by his Soviet contact? If so, give questions and dates on which they were asked.
- 2. The following are specific questions, the answers to which are greatly desired:
  - Xa. Did Dr. Fuchs transmit information on calcium purity specifications? If so, when and with what accompanying explanations?
- Kb. Did Dr. Fuchs transmit any information on gallium?
  - c. Did he transmit any information which made recommendations as to the type of piles to be built? If so, when and details?
  - vd. What information on the gaseous diffusion process, particularly with respect to barrier, did Dr. Fuchs transmit?

### Questions Asked on March 10, 1950

Can he elaborate further on questions asked by his contacts, what was asked and dates when they were asked? Were questions to him slanted toward the broad outlines of the various problems or were they more generally tied to details such as the one on production of U rods?

65-5-8885-1216
BNGLOSURE

## Questions Asked on March 10, 1950 (Cont'd.) - 2

- Can be define periods (particularly earliest dates) during which he was asked questions on the following subjects:
  - A. Uranium production problems?
  - B. Plutonius production problems?
  - C. Wespon problems?
  - What questions were asked other than those already given?
- 3. Would be categorise most of the information passed (ether than the type in the June 1945 detailed report) as being
  - A. Theoretical,
  - B. Theoretical as modified by experimental results, or
  - C. Theoretical and engineering "know-how"?

Why does he make this evaluation?

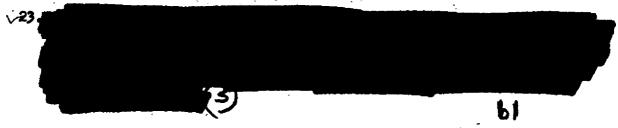
- 4. Did he pass complete theory of design and operation of gaseous diffusion process plant? If not, what major portions of theory were not transmitted by him and was he questioned about the missing portions? If so, when?
- 5. In reporting spontaneous fission rate of Pu did he go into any detail on relationship between this rate and production rate?
- Meet type of fission bomb was described in the "tritium bomb" meeting? Was any sketch made of a possible physical embodiment? Did he slant his answers in favor of feasibility or in favor of impracticality and the existence of numerous unsolved problems? Did he indicate quantities of materials that might be required?
- 7. Did he disclose details of fusing and firing techniques in Hiroshima, Hagasaki, or Bikini weapons? Was he questioned about this? When?
- \*8. Did he pass any reports (other than the MS and MSN Reports) in toto, or did he prepare his own abstracts and sketches based on reports available to him? Were working drawings passed? When? Which drawings? How much detail in sketches?
  - 9. Did he ever pass any incorrect information (other than in February 1945) and was he later asked to recheck or repeat the information? If so, with respect to what subject and when was he asked to recheck? How soon after original inquiry?
- 10. In asking about EM process in 1943(?) did agent give any indication of extent of information the USSR already had?

TOP SECRET

(2)

#### Questions Asked on March 10, 1950 (Cont'd.) - 3

- 11. What information about American rate of production and stockpile did be pass? When?
- ✓12. What specific items (i.e. weapon parts) were disclosed in the Santa Fe meetings? What data was given on each item? How much detail? Were any technical production details or "know-how" given?
- 13. What specific details were revealed on delta phase Pu? Were any phase diagrams given?
  - 14. What specific details were given on the mixed bomb? Any sketches? What mixtures?
- 15. What specific questions were asked about Bikini? Were any questions directed to decontamination?
- ✓16. What pile lattice does he think he might have given?
  - 17. What details of the flame trap, ball and sandwich type reactors were given?
  - 18. What mixing devices were disclosed? How much detail?
  - 19. What solvents, resins etc. were disclosed in connection with solvent extraction?
  - 20. What methods of calculating blast were given?
  - 21. In rounding out the mathematical details and considerations associated with weapons did Fuchs develop the theories with respect to a single weapon model or did be provide generalised formulae? For example, in giving blast calculations what specific development did be give? What efficiencies did be pass?
- 22. Did he give any details of plating precesses employed for coating weapons components?



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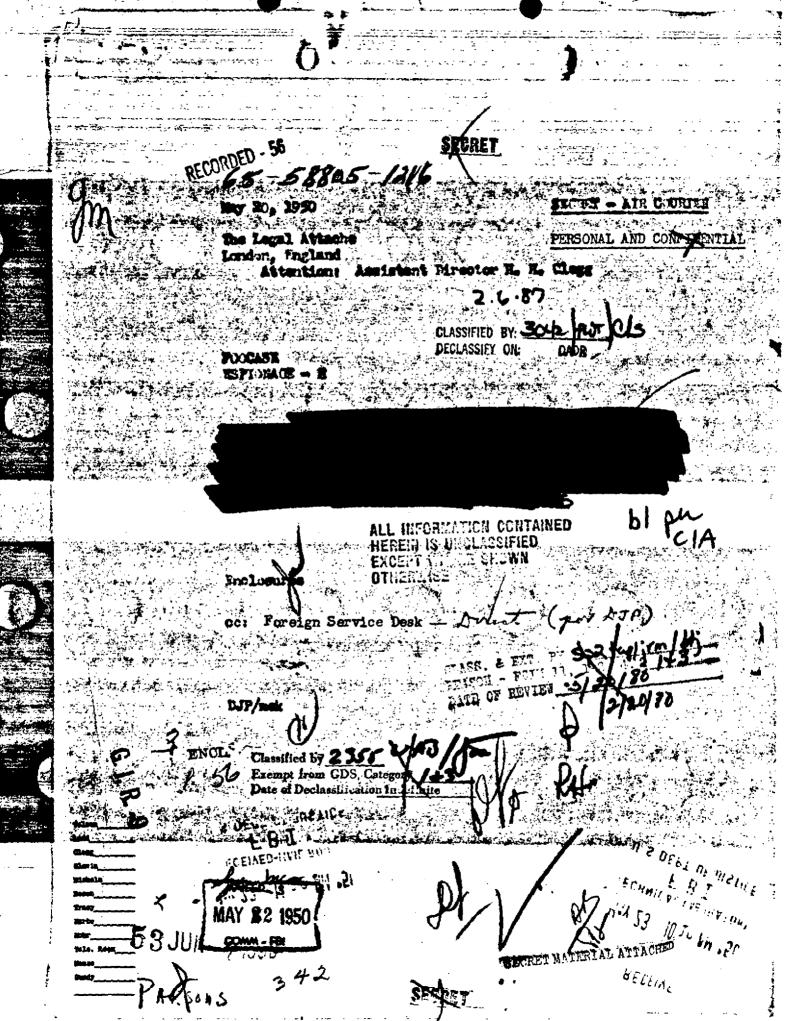
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### Questions Asked on March 10, 1950 (Cont'd.) - 4

24. Prior to the time Fuchs was questioned by his contact on the subject of the "tritium bomb" had he passed any information on light element reactions or thermo-nuclear reactions? When? Did he volunteer the information or was he asked about such reactions? Did he pass any information at such times which indicated feasibility or did he indicate possible embodiments?

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Subject: List of Questions Given to the British (4)

The following sets of questions were submitted to the British on February 13, 1950, and on March 10, 1950, respectively, by the CIA on behalf of the Joint Muclear Energy Intelligence Committee, composed of representatives of the Intelligence Divisions of the Departments of the Army, Navy, Air Forces, State, the AEC and CIA. The questions were based on material and information that Fuchs was known to have passed on or might have passed on to the Soviet Union and was limited to information already in the possession of the British.

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### Questions Asked on February 13, 1950

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1. There are a number of questions in conjunction with the exposure of Dr. Klaus Fuchs as a Soviet agent, the answers to which are of interest to me. Specifically, answers are requested to the following questions:

a. Did Dr. Fuchs have a clearance for special intelligence?



can a specific list of information transmitted by Dr. Fuchs CAN be furnished together with the date of transmittal and a description of the form in which the information was transmitted, i.e., laboratory drawings, sketches, etc.?

d. Here any detailed questions asked Dr. Fuchs by his Soviet contact? If so, give questions and dates on which they were asked.

2. The following are specific questions, the answers to which are greatly desired; the state of the state of

a. Did Dr. Fuchs transmit information on calcium purity specifications? If so, when and with what accompanying explanations?

b. Did Dr. Fuchs transmit any information on gallium?

e. Did he transmit any information which made recommendations as to the type of piles to be built? If so, when and details?

d. What information on the gaseous diffusion process, particularly with respect to barrier, did Dr. Fuchs transmit?

### Questions Asked on March 10, 1950

Can he elaborate further on questions asked by his contacts, what was asked and dates when they were asked? Were questions to him mlanted toward the broad outlines of the various problems or were they more generally tied to details such as the one on production of U rods?

All info wheleast fiel except the paragraphs tracked Secret by letter dated 1-26-1976 CIA

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### Questions Asked on March 10, 1950 (Cont'd) -2

- And the same of th Can he define periods (particularly earliest dates) during which he was asked questions on the following subjects: TO THE PARTY OF THE PARTY OF THE PARTY.
  - A. Uranium production problems?
  - B. Plutonium production problems?
  - C. Wespon problems?
  - D. Heavy water reactors?

What questions were asked other than those already given?

- Would he estegorise most of the information passed (other than the type in the June, 1945, detailed report) as being

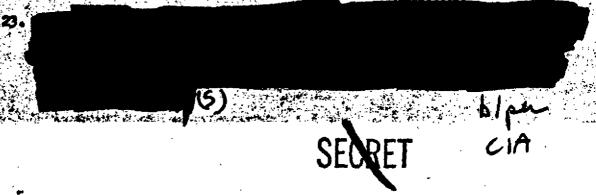
  - A. Theoretical B. Theoretical as modified by experimental results, or
  - C. Theoretical and engineering "know-how"? Thy does he make this evaluation?
- Did he pass complete theory of design and operation of gaseous diffusion process plant? If not, what major portions of theory were not transmitted by him and was he questioned about the missing portions? If so, when?
- 5. In reporting spontaneous fission rate of Ru did he go into any detain on relationship between this rate and production rate?
- What type of fission bomb was described in the "tritium bomb" meeting? Has any sketch made of a possible physical embodiment? Did he slant his answers in favor of feasibility or in favor of impracticality and the existence of numerous unsolved problems? Did he indicate quantities of materials that might be required?
- 7. Did he disclose details of furing and firing techniques in Hiroshima, Nagasaki, or Bikini Weapons? Was he questioned about this? When?
- Did he pass any reports (other than the MS and MSN Reports) in toto, or did he prepare his own abstracts and sketches based on reports available to him? Were working drawings passed? When? Which drawings? How much detail in sketches?
- Did he ever pass any incorrect information (other than in February, 1945) and was he later asked to recheck or repeat the information? If so, with respect to what subject and when was he asked to recheck? How soon after original inquiry?
- 10." In asking about B# process in 1943 (7) did agent give any indication of extent of information the USSH already had?



Questions Asked on March 10, 1950 (Cont'd.) - 3



- 11. What information about American rate of production and stockpile did he pass? When?
- 12. What specific items (i.e. wespon parts) were disclosed in the Santa Fe meetings? What data was given on each item? How much detail? Were any technical production details or "know-how" given?
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- 20. What methods of calculating blast were given?
- In rounding out the mathematical details and considerations associated with weapons did Fuchs develop the theories with respect to a single weapon model or did he provide generalised formulae? For example, in giving blast calculations what specific development did he give? What efficiencies did he pass?
- 22. Did he give any details of plating processes employed for coating weapons components?



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Questions Asked on Barch 10, 1950 (Cont.d.) -

Prior to the time Fuchs was questioned by his contact on the subject of the "tritium bomb" had he passed any information on light element reactions or thermo-nuclear reactions? When?

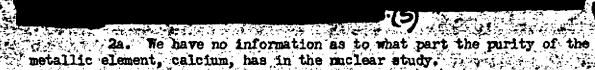
Did he volunteer the information or who he asked about such reactions? Did he pass any information at such times which indicated feasibility or did he indicate possible embodiments?

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EXPLANATION OF TECHNICAL TERMS IN THE FOLLOWING QUESTIONS

Questions Asked on February 13, 1950





- 2b. Gallium is a metallic element which has been studied as a possible material used as an alloy with uranium.
- 2c. "Piles" are the reactors built to control the rate of fission of muclear materials.
- 2d. The gaseous diffusion process is a means of separating the isotopes of uranium to recover radioactive U235. The function of the barrier is to separate the desired isotopes in the gaseous diffusion process.

#### Questions Asked on March 10, 1950

- 2d. "Heavy Water Reactors." Heavy water has the same formula as ordinary water, H2O, but the hydrogen is an isotope with twice the weight of ordinary hydrogen and heavy water is also known as deteurium oxide. The heavy water in the reactors is used to control the speed of neutrons.
  - 5. "Pu" is the symbol for plutonium.
- 6. "Tritium bomb" refers to the hydrogen bomb, tritium being an isotope of hydrogen.
- 10. The "Em process" probably refers to the electromagnetic method of separation of the isotopes of uranium.
- 13. The exact significance of "delta phase plutonium" is not known but it probably refers to the calculations on the rate of formation of plutonium.
- 14. The mixed bomb unquestionably refers to the use of more than one fissionable material in the same bomb such as a mixture of U235 and plutonium.
- 16. "Pile lattice" refers to spacing and general configuration of the nuclear material in a pile.

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27. The exact description of the flame trap, tell and sandwich type reactors are not known but obviously refers to different arrangement of the radiosctive materials with respect to the name resotive or control parts of the reactor.

19. The purpose of the solvent extraction is not known but probably refers to one step in the production which is used for purifigurion of one of the naturals.

22. Flating process employed for coating weapon scaponents is a method for placing a very thin film of mickel on weapon parts as a protective coating for the parts.

24. This question pertains to the salculations in the study of using the light non-metallic elements such as hydrogen is the protection of an atom bomb.

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Memorandum UNITED STATES GOVERNMENT DATE: May 24, 1950 SUBJECT: On the afternoon of May 24, 1950, ASAC Whelan, of the New York Office, advised that Elizabeth Bentley had called the office to state that she had received a number of telephone calls from members of the press inquiring as to her knowledge of Harry Fold. One reporter asked her to what she testified before the Federal Grand Jury, to which she replied that such a question was an insult to her intelligence as anyone appearing before the Grand Jury was forbidden to talk concerning the testimony given by him. I pointed out to Mr. Whelan that the fact that Wolos had handled Harry Gold and had also handled Elizabeth Bentley, and it was known that Harry Gold had been before the Grand Jury in connection with the Gregory Case, had undoubtedly caused newspapermen to contact Bentley for any information she might have. I pointed out that the way she was handling this seemed to be sound and I saw no reason for either her or the New York Office to be concerned about it; that inasmuch as Bentley had said she did not know Gold, there was no reason for her to be concerned about newspaper inquiries. Relative to a prosecutive summary on Harry Gold, Mr. Whelen advised that it does not appear to be the appropriate time to prepare such a summary, inasmuch as there are numerous leads to be covered to corroborate Gold's story and these leads should be covered in order that they may be included in the prosecutive summary. He advised that New York is closing the case on "Unsub the lind opening a file on Harry Gold, was., and preparing a report reflecting available information in such a manner that the report can be disseminated with no mention of "Unsub n the title. I advised him this was correct and that he should call the Philadelphia Office and instruct that that office likewise should prepare an immediate report reflecting all developments on Gold in that area, including the interview and developments thereafter. I again stressed that it was necessary to cover all leads immediately and that we should not wait to set out leads by report but should handle this by telephone or teletype. CLASSIFIED BY: 3445 DECLASSIFY ON: Classified by 235 HEREIN IS UNCLASSIFIED Exempt from GDS, Ca Date of Declassification EXCEPT OTHERISE AHBetle RECEIVED - DIRECTOR 8805-1217 INDEXED - 83 58 JUN 8 TOP SEPTE

Lear Admiral Sidney W. Source Special Concultant to the Procident 3 Resoutive Office Building Hashington, J. C.

in dear Mairell

I believe the President and you will me doubt be interested in information economize Herry Sold who has been identified as the individual who received aboute information from Dr. Buil deline Elane Tuche in the Enited States for transmittel to the Soviet Miles.

Marry Sold was born December 15, 1910, in Switzerland. In 1914 he some to the United States with his parents, Sem and Colin Colombiaky, both of when were born in Russia. At the time of their naturalization as United States eitisens their mame was changed to Gold. Harry Gold claims citizenship by derivation through his parents. His mother is deceased. Harry fold resides with his father and his brother, Joseph Gold, at 6825 Kindred Street, Thiledelphia, Pennsylvania.

Shortly after arriving in the United States the Gold family neved to Philadelphia, where, in 1929, Marry Gold became caployed by the Fernsylvania Sugar Company in their laboratories. He continued his employment with this company until about Pebruary, 1946, at which time he become employed with A. Brothman Associates, Consulting Engineers, New York City. We left this firm in June, 1948. He presently is employed at the Thiladelphia 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 perilus fardine enses.

Institute, the University of Pennsylvania, and Columbia University in 1988 he bitained leave of absence from the formsylvenia sugar Bedputy to attent Brief Vijtersity, Cincinnati, this, where he received a Chineler el Science Dégree sunna cun laute in 1940.

Sold first some to the attention of this Bureau in edimention with the activities of Abraham Brothman, concerning when Blisabeth Ty Bentley farmished information. In a signed statement dated Bovember 80, 1945, Boutley advised that in about May, 1940, who was introduced to Protimen, whose photograph she identified, by Specific Juny Seviet ceptomage superferences of the State of the Second Service of the Second Second Service of the Second Second

She stated that teles teld her that Brothman would furnish her with sertain blueprints. Fellowing that she not with Brothman about ten times in the summer of 1940 until the full of that year, and obtained blueprints from him for teles. She said that in the full of 1940 Goles elaimed to have become disgusted with Brothman and teld her he was turning Brothman ever to exmense else.

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

Brothman related that some time in 1958 or 1959 Golos had some to his effice at 114 Best Sind 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 ever to him blueprints of certain products on which Brothman was working at the time. Brothman savised that the blueprints in question were his own preperty. He said Colos visited his effice on several occasions thereafter until Goles introduced him to "Melen." Geles advised that "Helen" would thereafter obtain the blueprints. "Helen" visited Brothman's effice ever a desen times during 1988, 1989, and 1940. Seme time in 1940 she stopped coming and another individual maned Harry Gold appeared at Prathman's effice and said that he represented Colos. Thereafter Gold visited Brothman's effice on a number of eccasions during 1940 and 1941. and obtained bimeprints from Brothman. He said the last time Gold picked up the blueprints, asserting 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 may blueprints or material for Coles. He stated that Harry Cold was, at the time of the interview, namely May 29, 1947, employed by him as a chamist in his laboratory at Elmhuret, 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, 8503-57th Avenue, Slahuret, Long Island. Gold related in substance that he had met daceb Golds in Ostober, 1960, at a meeting of the American Chemical Society at the Franklin Institute, Philadelphia. At this time Golds propositioned Gold, saying that he had connections with individuals in a foreign country, not meeting the country, and also had connections with Abraham Brothman in

How York who was beraing ever partain blueprints. Weles told told that he required the services of a chemist to go to New York City, obtain the blusprints from Prothmen, and then evaluate them an a chemical besis. Sold stated that about the weeks after this, in Kovember, 1940, he contacted Brothman in New York City and introduced himself as a reprecontative of Goles. For the next aix 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 Geles, who always stated that they would have te get tegether very seen, but that actually this never happened. He said the last telephone call from feles was in May, 1941, after which time he had no further word from folos. So denied that he ever had seen folos escopt on the coession when he met him in October, 1940. Celd claimed that after his second or third trip to New York City Brothman become 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 Sold ioin Brothman's organization, but that it was not until February, 1948, 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 be never received a cent from Geles. He insisted that he stood the expenses for the tripe to New York City on the first two scensions, after which Protinan became friendly and furnished him a five-dollar hill to 🚟 sever expenses. A signed statement to this effect was obtained from Gold.

On July 22 and 51, 1947, Abraham Brothman and Earry Sold, respectively, were called before the Jederal Grend Jury, Southern District of Her Terk. Both testified in substance before this Grand Jury to that which they had furnished in interview. The investigation of the Grand Jury concurring the charges of Slisaboth 5. Boutley culminated in the finding of a "me bill."

After extensive and intensive investigation which developed information indicating that Harry Gold was very probably the United States contact of Amil Jalius Elaus Fuchs, he was interviewed at Philodolphia, Founsylvania, and on May Mi, 1980, he furnished a signed etatement edultting depictage activity. He admitted that he began the programment of industrial information for the Seviet Union in the fall of 1986, and continued this activity until 1945, except for the period from 1988 to 1940 while he attended Zavier University in Cincinnati, Chio.

The same and the s

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

revealed that he was with the British Mission working with the Manhattan Engineer Project. He told Gold that the British Mission was working an the separation of isotopes, and Gold believes there was at least implied the eventual utilization of the energy produced by muslear fission in the form of a weapon. Following this, Gold had about four meetings with Fushs in the Bronx, Brecklyn, Manhattan, and Queens. During at least two of these meetings Fushs furnished written information to Gold, who thereafter delivered it to his superior, John. " We said that he had taken a brief glance at the material on one eccasion and found it to consist of a number of folded shoots of paper containing mathematical equations which accord to consern mathematical derivations.

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Gold further advised that he lost contact with Puchs when Puchs
failed to keep a meeting in August, 1944. He stated that "John" obtained
the information whereby he was once more enabled to contact Puchs. "John"
gave Gold the address of Mrs. Melneman in Cambridge, Massachusetts, the
sister of Puchs. As a result of this, he met Puchs at the Asineman
residence shortly after Christmas Day, 1944, or early in 1945. At that
time Fuchs told him that he was at Los Alancs, 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 appreximately
fifteen hundred dellars 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 Turk with the money and information which he delivered to "John."

In June, 1945, and again in September, 1945. On both of these econsists Puche furnished him with written information. He said that during the September, 1945, meeting Puche told him that he had been present at the initial large-scale trial of nuclear flusion at Alemogorde, New Mexico. He also stated that Puche told him at the time that he probably would return to England come, but that by paying a call to Puche' eleter he could ascertain just when. Gold said he made one or two attempts to see Puche again at the home of his sister, but was not successful. After the possible second attempt, which was either in late January er 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 Pureau, still and movie photographs of Sold were surreptitiously obtained for display to Fuchs. Proviously, Puchs and Robert and Eristel Meineman had failed to recognise a photograph of Sold. On May 20, 1960, Fuchs was shown the new still photographs of Sold and be did not identify them, though he stated he could not reject them.

On May 32, 1950, Funks 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 11:00 AM, while Gold had first admitted his copionage activity to the interviewing agents in Philadelphia at approximately 10:65 AM the same days

On May 28, 1960, a complaint was filed before a United States Commissioner for the Mastern District of New York, Brooklyn, New York, sharping Marry Gold and "John" Doe with conspiracy to counit espicance on behalf of the Union of Soviet Socialist Republies in violation of Section 21, Nitle 50, United States Code. A warrant was issued and Gold was thereupen taken before United States District Judge James P. McGranery at Philadelphia, Pennsylvania, for arraigment. Judge McGranery gave Gold the complaint to read and he admitted that he was the Marry Gold named in the complaint. A proliminary hearing was set for June 12, 1950, and bail was set at any lumired thousand dellars, in default of which Gold was remarked to the questedy of the United States Marchale

Parther information of interest to the President and you will be furnished as it developes

With expressions of my highest esteen and best regards,



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#### AUTINISTRATIVE

No photograph available of MARION GORDON MASTIN in files of the Hardesty Chemical Company at Henderson, Nevada. Photograph of MASTIN obtained from the Review Journal paper Las Vegas, Nevada.

DETAILS:

Plant.

Mr. RAY CIARK, negotiator for the Colorado River Commission at the Basic Magnesium Plant, Henderson, Nevada, advised that the Hardesty Chemical Company is a defunct corporation. He stated this company's records are in a very confused state and presently stored at the Basic Magnesium

The records of the Hardesty Chemical Company, at the Basic Magnesium Plant, Henderson, Nevada, were checked for a personnel record and photograph of MARION GORDON MASTIN by Mr. CLARK and the writer with negative results. The only record located of MARION GORDON MASTIN in the Hardesty Chemical files was a 3" x 5" card concerning a plant insurance deduction. It was noted this card bore the following: 6-13-46, MARION GORDON MASTIN, born August 12, 1891, wife, FILEEN LOOQUIT MASTIN, born May 2, 1920, and MICHAEL H. MASTIN, born December 21, 1945. No other information concerning MARION GORDON MASTIN could be located in the Hardesty Chemical Company files. Mr. CLARK advised the Hardesty Chemical had never kept a good set of personnel records or other required records while at the plant, which had been me of this company's difficulties with the Government.

ENGLOSURE AT CLARK further advised that in September, 1948, MASTIN and two other individuals, W. VALENTINE and L. L. HEZZELFOOD, formed the Basic Reduction Company and stated this company would be incorporated for \$250,000.00. CLARK stated

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MASTIN leased a building and some equipment from the Basic Magnesium Plant of which he at the present time is supposedly operating. However, CLARK said he had heard from an unrecalled source that MASTIN's two partners had pulled out of the Basic Reduction Company, and that this company is presently inactive. CLARK advised the Basic Reduction was reportedly a new method developed by MASTIN to remove lead, silver, gold and other metals from the ore by a chemical process.

Mr. PRATT PRINCE, former identification officer in the Security Section of the Basic Magnesium Plant, Henderson, Nevada, advised that photographs of the Hardesty Chemical Company employees were made in 1946 for this company by the Security Section of Basic Magnesium, Incorporated. However, Mr. PRINCE stated he did not know where these negatives or photographs could be located.

A search of the Basic Magnesium, Incorporated files as well as a re-check of the Hardesty Chemical Company files by the writer and Mr. CLARK failed to disclose any photograph of MARION GORDON MASTIN or any other employee of the Hardesty Chemical Company.

Mr. WILLIAM BELKNAP, of the Belknap Studios, Boulder City, Nevada, and a former Naval photographer, advised that he did all of the photographic work for the Boulder City paper. However, BELKNAP stated he had no photograph of MARION GORDON MASTIN.

Mr. B. B. BURTON, Personnel Officer for the Bureau of Reclamation, Boulder City, Nevada, advised the Bureau of Reclamation Department of Interior had employed MARION GORDON MASTIN as a Consulting Engineer on the study of the city water filtering plant, at the rate of \$50.00 per day, beginning September 3, 1947 and terminating September 16, 1947. Mr. BURTON stated the only other information in his files concerning MASTIN was his Social Security Number and his home address, which was listed as 620 Arizona Street, Boulder City, Nevada.

C. E. PETERSON, Chief of the Bureau of Reclamation Rangers, Boulder City, Nevada, advised from the city records that MARION GORDON MASTIN resided with his wife, EILEEN, and family at 620 Arizona Street. PETERSON stated MASTIN at the present time is interested in the development of the Basic Reduction Company, which, according to MASTIN, is a new method of recovering lead and other metals from mineral bearing ore, and MASTIN was endeavoring to obtain a lease from the Government for buildings and equipment at the Basic Magnesium Plant at Henderson, Nevada in order to get the Basic Reduction Company on an operating basis. PETERSON stated MASTIN has a reputation in the community of being an excellent chemist.



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Mr. A. E. CAHLAN, editor of the Review Journal Newspaper, Las Vegas, Nevada, advised the writer he did not have a photograph of MASTIN in his files. However, Mr. CAHLAN, who is very cooperative with the FBI, stated that the Colorado River Commission was holding a meeting with individuals who were interested in leasing portions of the Basic Magnesium Plant buildings on May 4, 1950, and that MASTIN would be present at this meeting. Mr. CAHLAN stated he would have all individuals present photographed for future news reference and would furnish the writer a photograph of MASTIN. On May 5, 1950, Mr. CAHLAN furnished to the writer a photograph of MARION GORDON MASTIN.

The following description of MASTIN was furnished by Mr. RAY CLARK and Miss MARY JO PARKER, employees of the Colorado River Commission, Henderson, Nevada, who both know MASTIN personally:

Name
Age
Sex
Color
Height
Weight
Hair
Remarks

Remarks

Eyes Appearance

Marital Status Residence

Social Security No.

MARION CORDON MASTIN

Male
White
5' 10"
180 pounds
Gray, balding

Neva de ....

Wears heavy mustache, slightly protruding waistline, has heavy deep voice, consistent pipe smoker Brown?--wears glasses

Has posture and manner of a much

older man Married, wife EILEEN

620 Arizona Street, Boulder City,

570

Mrs. CLAUDIA DAVIS, Clerk, Credit Bureau of Southern Nevada, Las Vegas, made available the Credit Bureau file which reflected that MARION GORDON MASTIN has resided in Boulder City, Nevada since September, 1945 and was formerly resident manager of the Hardesty Chemical Company, Henderson, Nevada. A notation in the Credit Bureau file reflected that in December, 1946, MASTIN resigned his position with the Hardesty Chemical Company and stated he planned on operating in this vicinity as a consulting engineer. The Credit Bureau file further reflected that on September 3, 1948, MASTIN announced the incorporation of the Basic Reduction Company, which was to be incorporated for \$250,000.00, with W. W. VALENTINE as Vice President and L. L. MEZZELWOOD as treasurer. Mrs. DAVIS stated the Credit Bureau files reflected MASTIN has a good reputation in the neighborhood where he resides. She advised the files contain no further information concerning MASTIN.

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Captain JOHN LYTLE, Clark County Sheriff's Office, Las Vegas, Nevada, advised his office has no record concerning MASTIN. LYTLE advised he knew of MASTIN by name only.

Mrs. MURIEL MITCHELL, Records Bureau, Las Vegas, Nevada City Police Department, advised there is no record of MASTIN in the Police Department files.

ENCLOSURES TO THE BUREAU: Two photograph of MARION GORDON MASTIN.

ENCLOSURES TO BOSTON OFFICE: Two photographs of MARION GORDON MASTIN.

ENCLOSURES TO NEW YORK CITY OFFICE: Two photographs of MARION GORDON MASTIN.

- REFERRED UPON COMPLETION TO THE OFFICE OF ORIGIN -





SU 65-1115

LEADS

#### THE NEW YORK CITY DIVISION

#### AT NEW YORK CITY, NEW YORK

Will consider the advisability of requesting the Bureau to have the photograph of MARION GORDON MASTIN exhibited to FUCHS for the purpose of endeavoring to determine if MASTIN is the individual described by FUCHS as his unknown American contact.

THE BOSTON DIVISION

#### AT BOSTON, MASSACHUSETTS

Will exhibit the photograph of MARION GORDON MASTIN to ROBERT HEINEMANN to determine if he is the individual described by FUCHS as his unknown American contact.

REFERENCE: Report of SA STANLEY F. FEWSTER dated 4-7-50 at San Francisco, California.





eneloane 65-58805-1220

Marion Gordon Mastin Date taken 5-4-50

Age 59 Sex: Male Color: White Height: 5' 10" Weight: 180 pounds Hair: Gray, balding Byes: Brown? -- wears glasses Remarks: Wears heavy mustache, slightly protruding waistline, has heavy deep voice, consistent pipe smoker; has posture and manner of a much older man Marital Status: Married, wife **BILEEN** Residence: 620 Arisona St., Boulder City, Hevada 676

ALL INFORMATION PROTECTION CORDON MAST

RE: EMIL JULIUS KLAUS FUCHS, WAS

