

July 31, 1947

m Gold

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H A R R Y G O L D , called as a witness, having first  
been duly sworn by the Foreman, testified as follows:

BY MR. QUINN:

Q Mr. Gold, what is your address, residence address?

A In Philadelphia, 68-23 Kindred Street.

Q By whom are you employed? A I am employed by  
Abe Brothman Associates.

Q What is their address? A 29-28 41st Avenue,  
Queens Plaza.

Q This is the grand jury for the Southern District  
of New York, and you are going to be asked certain  
questions by me and Mr. Donegan and by members of the  
grand jury. If you feel that the answers to any of the  
questions that may be asked you might tend to incriminate  
or degrade you, you have the right to refuse to answer any  
of those questions. Do you understand? A Yes, but I intend  
to answer everything that is asked me.

Q Have you seen an attorney since you were interviewed  
by the Agents or been subpoenaed to appear before the grand  
jury? A Yes, I have. I have seen the firm's attorney,  
Mr. Thomas Kiernan.

Q What is his business address? A It is Cleary,  
Gottlieb, Friendly & Cox is the name of the law firm,  
and it is 52 Wall Street.

Q Would you mind telling us your educational back-  
ground, please, Mr. Gold? A Yes. I was born in Switzerland

but we came here in 1914. The family lived first in Duluth and then in Chicago for brief periods, about half a year each, and then we moved to Philadelphia where we lived continuously since.

I went to the public schools of Philadelphia, grade school and high school. I completed high school in 1928, June '28, and then I worked for two years, two year period. I worked first in a woodworking factory, because my father was a carpenter and cabinet maker. Then I obtained a job in something I had always wanted to do and that was in the field of chemistry. I worked for the Pennsylvania Sugar Company. I worked for them for two years. At the end of that time I had saved sufficient money so that I could go to school, and I went to the University of Pennsylvania. Dr. Rich, who was in charge of the research laboratories at that time, research and control laboratories, had urged me to go and I had always had it in mind anyhow. So I left the sugar company, obtained a leave of absence, and entered the University of Pennsylvania. I had about \$2500 at the time that I had saved. Is it all right to go into detail?

Q No, I wouldn't go into too much detail. What universities did you attend after that and what degrees did you receive? A All right, I will make it brief. I attended the University of Pennsylvania for almost two years, year and a half. I had to leave because I ran out

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of funds. Then I went back to work for the sugar house and I was laid off there after working there for about a nine month period and I went to work up here in Jersey City. I worked for a firm called the Holbrook Manufacturing Company, a silk manufacturing company. After about nine months I returned to Philadelphia. At that time the NRA came into effect and they lessened the hours at the refinery and they had need for another person.

I worked there until 1936 and from 1933 until 1936 I attended Drexel Institute Evening School at night.

In 1938 after that I was transferred to the Research Department. In 1938 I went to Xavier University. I entered Xavier University in Cincinnati, Ohio. You see, up to this time I still hadn't gotten a degree. I only had credits from the University of Pennsylvania for the work completed and I had a diploma not in chemistry but in chemical engineering from Drexel Institute, and I wanted a degree, because while the sugar refinery rated me as a chemist I still, if I ever had to go out and look for another job, they would say, "What school are you a graduate of? What school do you have your degree from?", and I wouldn't have any.

So I went to Xavier University in Cincinnati, Ohio, and I graduated there in 1940, in June of 1940, and at that time I returned to the East and started to work for the sugar refinery again.

I have also taken additional work. When I finished

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Drexel I took a course in psychology, a graduate course given in psychology. I took a course at Columbia University in organic chemistry. I took courses at St. Joseph's School, Philadelphia, a so-called engineering, management, science, war training program. One was in fermentation chemistry since I was at that time working in a distillery. The other one in distillery technique -- distillery operation. The third one was in laboratory glass blowing. And that covers my formal training.

Q I show you a picture, Grand Jury Exhibit 6, and I ask you if you recognize the person appearing on that photograph?

A Yes, I do.

Q Under what name did you know this individual? A I knew this man under the name John Golush.

Q Would you tell us under what circumstances you first met him and where? A Yes. I met John Golush in the Fall, as near as I can place it -- I will try and place it as closely as I can --

Q I might say before you go ahead that the witness has identified the picture of Jacob Golos, which is Grand Jury Exhibit 6. Go ahead. A I met John Golush in the Fall of 1940. It was either October or November. The reason I can place it was it was at one of the meetings of the American Chemical Society, the local chapter, the Philadelphia chapter of the American Chemical Society. I was introduced to Golos by Carter Hoodless. I was introduced to Golos by Carter

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Hoodless. Is it all right to go ahead and give some of the background of this or just give the fact?

Q Suppose you tell us. You were introduced to him and then what happened after you were introduced to him. A A few minutes after I was introduced to him the meeting started. The meetings are conducted in this fashion. They have a very brief -- almost all the business work is done on the committees, and then the principal purpose of the meeting is to have a speaker, usually a prominent chemist, who speaks on the work that's done.

Q This is the American Chemical Society? A Yes, the Philadelphia chapter of the ACS. Of course there is silence while this man speaks. He speaks for about an hour and a half normally.

Q I think what we might do is go back to your meeting with Golos and tell us what Mr. Golos said to you and what you said to him. Carry on from there. A Yes.

Q We are not particularly interested in the American Chemical Society except that that is where you met him. Suppose we go on from there. A All right. After the meeting Carter left us; he said he had to go home; and Mr. Golos invited me to go out and have something to eat with him. So I did. Carter on introducing him had said that "Here is a man who wants to talk to you; he thinks he can put you in the way of making some money." So I went out with Mr. Golos. The best that I could gather from -- he

spent a great deal of time at first going into my background, my training, and so forth. And so I told him just what my background had been, where I had gone to school, and so forth, and the type of work/I had done. Then he told me that he knew a chemical engineer in New York, a very fine chemical engineer, he told me, and he wanted me to check on the validity of processes. The nearest I could get from Golos was that his background -- that he at least had some mechanical engineering background -- although he did not talk too much like a technical man, that he had some technical engineering background, and that he wanted me to check on the validity of these processes, the chemical validity of these processes, how they stood up.

So I told him that I would do it. And he gave me the name of this man, and it was Abe Brothman - Abraham Brothman. He gave me his phone number, and told me to get in touch with him. He also told me that Brothman would give me some drawings of the processes, and that I would turn them over to him after checking them over with Brothman. And he also told me that what he was principally interested in was that Brothman was developing processes into which his equipment, Brothman's equipment, could be used, and that he was very -- I don't know, I guess the word "leery" fits -- of the validity of these processes, he did not know whether they would actually stand up, whether they were paper chemistry or whether they were something that was really sound, and he

wanted that checked, and I gathered from him there's only one place you can check a process and that is in the laboratory, and I gathered too that he would want me to do some laboratory work on these processes. That was about the sum and substance, and he told me he would get in touch with me.

Q Did he tell you whom he represented? A No, he didn't. I gathered he was more or less independent but that he had connections; he hinted that he had connections with a large firm.

Q Did he mention that he had connections with a foreign country? A No, he didn't.

Q Didn't he say to you that he had some connections with some individuals in a foreign country? A No, he didn't.

Q Didn't he name the country? A No, he didn't mention any foreign country at all.

Q Did he ever mention any foreign country? A No, he did not.

Q Did he ever mention any country other than the United States? A No, he did not.

Q All right, go ahead. Then you met Brothman? A Then I met Brothman.

Q How did that meeting take place? A I called Brothman and actually I was supposed to meet him once and then the thing fell through. He called me back and said that he had another engagement for that day, as near as I can recall it,

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and the thing fell through and I didn't actually meet him until several months later. This ~~is~~ as nearly as I can place it was the first meeting, the one that I had with Golos was in October or November of 1940, and I met Brothman in the late Spring of '41.

Q How did the meeting take place between you and Brothman? A I met him downtown.

Q No, I mean, did Golos give you a telephone number? A Yes; he gave me his telephone number and he gave me -- which turned out to be the company telephone number, the firm which Brothman was working with at that time.

Q When you talked with Brothman did you tell him who you were? A Yes, I told him who I was.

Q What did you say to him? A I told him that I had met Mr. Golos and that Mr. Golos had wanted me to come up to go over these various processes.

Q Then finally you did meet Brothman, right? A Yes.

Q Where did you meet him and under what circumstances did you meet him? A I had called him before from Philadelphia. And then when I got into New York I called him to verify it, and I met him downtown. It was somewhere in the neighborhood of those large buildings down there; it was either 50 Church or 30 Church, and we went to dinner and we discussed the entire matter.



Q How many times in all did you see Brothman approximately? I mean, in connection with Golos's business? A I would say that I saw Mr. Brothman, as near as I can place it, somewhere about eight times.

Q Were all of those eight -- A Eight, possibly ten; it may have been six; somewhere in that neighborhood.

Q Over what period of time would that cover?

A That took place I would say until about a period of about five or six months, bringing us almost to the end of 1941.

Q Where did the meetings take place between you and Brothman? A Sometimes I met him downtown where he worked and we'd have dinner. Sometimes I met him at his home, he introduced me to his wife and to his mother-in-law, who was living with him at that time. Sometimes I met him there.

Q Would it be necessary at all times for you to come from Philadelphia to New York to meet Brothman? A Well, it was -- he was so busy at that time that it would have been difficult for him, he explained, to come down to Philadelphia.

Q I say, would it be necessary for you to come from Philadelphia to New York to attend those meetings? A Yes, surely.

Q You say that was about eight or ten times? A About eight or ten times I would say.

Q Who paid your expenses in going back and forth to

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Philadelphia. A Mr. Golos had originally told me that he would take care of all expenses. In fact he was quite -- one of the things that made me go into this business of developing these processes with Mr. Brothman was the fact that he promised me so much. He spent about half that evening promising me everything.

Q Supposing you tell the grand jury what you mean by he promised me everything? A He promised me that I would have an opportunity to no longer work in a sugar refinery or in a distillery where the scope of the work was necessarily limited; that I would get into a field where I can really expand and really utilize my abilities. How I had those abilities, he particularly explained. I took that for just the soft soap that it was. He is not the first man who had ever promised me things. In fact, if the number of people who came around to me at one time or other and who promised me that they were going to make me an extremely wealthy man, or extremely well to do man, or an extremely famous man, were laid to end to end they would reach from here to Colorado.

Q Who paid your expenses from Philadelphia to New York and return? A Initially I paid them. They weren't very great. They amounted to about five dollars train fare and a couple of dollars for food.

Q How much money were you making at that particular time? A I was making in the neighborhood of \$200 a month.

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Q Did you have any financial obligations? A None.

Q Did anybody reimburse you for any -- A Yes; Mr. Brothman insisted on reimbursing me after a while.

Q Did he reimburse you for all your financial expenses? A I didn't think it would be quite fair for him to pay the entire thing. The man I thought should be paying this was Golos.

Q How many times did you see Golos after your initial meeting with him? A I never saw Mr. Golos at all.

Q How many times did you hear from Mr. Golos? A I heard from him about a half dozen times I should say; about six times.

Q And when you say you heard from him you mean that he communicated with you by telephone or letter? A I can best explain that. He would call me on the phone. His procedure was quite set. He would call me on the phone at home, I had given him my address and my phone number, say around - somewhere around nine, ten o'clock in the evening - and he would say that he was in Philadelphia. Now, he never told me where he came from, where his residence was, but I gathered the first time that I met him and we spoke in the restaurant that he came from around New York City, somewhere in the vicinity of metropolitan New York.

Q He would say he was in Philadelphia? A He would say he was in Philadelphia but he was very busy, he was going to

take a train now, and he wouldn't be able to see me, but that he would get in touch with me within a few weeks again.

Q Did he ask you if you had examined the blueprints?

A No, he did not. He was very non-committal on the phone.

Q Did you at any time discuss with him the fact that you were expending money and whether or not he was going to reimburse you? A I wanted to start it once on the phone because while --

Q Wait a minute. Let's have a direct answer to that. If you can't answer it directly, say so. A Yes. Would you phrase that again? I have lost the question.

Q (Question read as follows: "Did you at any time discuss with him the fact that you were expending money and whether or not he was going to reimburse you?") A No, I didn't. I meant to bring it up when I finally saw him face to face.-- I never did get to see him -- and he would cut me off on the phone. I would start to tell him, "Well, I'd like to see you and talk this matter over and see just where I stand," and he would say, "Oh, yes, yes; goodbye."

Q Did you ever discontinue doing this work or did he ask you to discontinue? Just how did that happen? A Well, very frankly, after the first two times that he called me I came to the conclusion that he was a phony, just another one.

Q In the meantime had your friendship with Mr. Brothman continued and grown? A Yes. Well, almost from the first,

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Mr. Brothman and I got along very well together. He had a very good mathematical background and excellent training and he was able to apply it. The two of us seemed to be able to work along very well together, as two people sometimes can.Q

Q How long have you been employed by Mr. Brothman now?

A I have been employed by Mr. Brothman since May of 1946.

Q And what compensation or salary do you receive?

A I receive \$5200 a year.

Q Do you hold any office in his corporation? A I am the Chief Chemist, and I am due to be made a partner in the firm very shortly.

Q Are you a member of the Communist Party? A No.

Q Do you consciously belong to any Communist-front organizations? A I wouldn't know what a Communist-front organization is. No, I would never belong to anything like that.

Q You are not married? A I am single.

BY MR. DONEGAN:

Q Mr. Gold,<sup>how</sup> you would deliver that material to Mr. Golos. How would you deliver your evaluation? A How would I?

Q Yes. A How would I have delivered --

Q How would you have given him the information that he wanted you to? A I would have -- well, after the first two times I wouldn't have given him anything until I found out exactly where it stood.

Q How did you? A I never did.

Q You never did? A I never did.

Q You said that you did not ask him about paying your expenses although you intended to? A Yes.

Q Why didn't you communicate with him? A I couldn't. I didn't know where he was located. He hadn't given me an address at the time.

Q Have you ever done business with anybody on that same basis? A Yes, I have.

Q Who? A There was a man by the name of Dr. Kelly.

Q What was his address? A He was at the Eastern Regional Laboratories in Philadelphia, Department of Agriculture.

Q Did you know Mr. Golos's address? A No.

Q Then you weren't doing business on the same basis; you knew where to get Dr. Kelly. A Yes, I knew where.

Q You did not know where to reach Mr. Golos? A I did not know where to reach Mr. Golos at all.

Q In your career have you ever done business with any person on the same basis that you did with Mr. Golos, a person you did not know where to reach or how to contact?

A I had intended to when I met Mr. Golos again to get all this information from him or I wouldn't have gone a step further.

Q How many trips did you make to New York to get the information for Mr. Golos? A About six or eight.

Q Did it take six or eight trips before you decided?

A No; it actually took one or two trips before I decided.

Q But you still continued to make four more trips after you decided not to have anything further to do with Mr. Golos? A That's right. In fact I continued to see Mr. Brothman with a fair degree of regularity from the time I first met him. There were gaps but I did continue to see him.

Q What I am trying to clear up is you did not know where to reach Mr. Golos, you knew nothing about Mr. Golos, you did not know how to contact him to get your expenses, you did not know how to get in touch with him to give him the results of your contacts with Brothman which he had requested you to, and yet you made six trips to New York and paid money out of your own pocket? A I would have continued, if I met Mr. Brothman under any circumstances I would have continued to come up to see him, because we got along very well together.

Q You still made six trips for Mr. Golos? A Well, they weren't for Mr. Golos. That's the point. Only about the first two as far as I was concerned.

Q On your third trip what did you do when you contacted Mr. Brothman, did Mr. Brothman deliver any material to you?

A Yes, he did.

Q Was that material for Mr. Golos? A That was the material for Mr. Golos.

Q On your fourth trip to meet Mr. Brothman, did Mr. Brothman deliver any material to you? A It's really hard to say whether he delivered -- on exactly which trip he gave me the material.

Q On your fifth trip did he give you any material?  
A I can't pin it down to the exact trip, you see.

Q Why do you say you made six trips for Mr. Golos?  
A Six, possibly eight altogether.

Q If you made those trips for Mr. Golos then Brothman must have turned some material over to you, either written material or given you verbal information for Mr. Golos, is that correct? A No. The material exactly consisted of this -- May I go ahead and explain exactly how we worked?

Q No. I want to know, you said you made either six or eight trips for Mr. Golos. A About that.

Q You said on the first two trips Brothman gave you some material to turn over to Golos. A That's right.

Q You did not turn that material over to Mr. Golos?  
A No; I never saw him again.

Q Yet you made a third trip, a fourth trip, a fifth trip and a sixth trip? A That's right.

Q On the fourth, fifth and sixth what material did Mr. Brothman give you? A We continued along the same line.

Q Did he give you documents? A He gave me blueprints mostly.

Q You took those blueprints back to Philadelphia?



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A That's right.

Q You put those with the blueprints you received on your first two trips, is that correct? A That's right.

Q Then your fourth trip he gave you some blueprints, is that correct? A I do not know whether it was the fourth or fifth or sixth.

Q What did he give you on the fourth trip? A I can't pin it down to the exact trip number.

Q Did he give you some material on your fifth trip? A Possibly on the fifth.

Q And on the sixth? A Possibly sixth; possibly the seventh.

Q You took that all back to Philadelphia? A That's right.

Q You were waiting for a commitment from Mr. Golos? A I was waiting for a commitment from Mr. Golos, but I wouldn't have turned over anything to him until I knew exactly where I stood.

Q How many times did Mr. Golos call you up? A I'd say he called me about six times, total.

Q Mr. Golos called you up about six times? A Mr. Golos called me up about six times.

Q What conversation did you have with him the first time? A The conversations all ran exactly the same. He would say, "Hello, Mr. Gold." Or I think later on he used

Harry. "This is Mr. Golos." Then later on I think he used just the word John, because his voice was very distinctive; it was heavily accented. He would say, "I am in Philadelphia and I have to take a train now. Unfortunately I can't see you. I will get in touch with you within two or three weeks, or within a few weeks." And that was about the sum total and extent. And I would start in to say, "Well, Mr. Golos. I would like very much to see you. Can I meet you down"-- and he would say, "No, I am very busy now. I am sorry."

Q You had six conversations with him over the telephone of the same nature? A That's right, all almost exactly of the same nature, that's right.

Q And everyone of those telephone conversations he was calling you from Philadelphia? A I believe everyone of those telephone conversations he was calling me from Philadelphia.

Q What did you say to him in those telephone conversations? A Well, he did all of the talking. I tried to talk to him.

Q On the six occasions you did not have an opportunity to say anything to him? A I didn't even have an opportunity to say, "Where are you? Are you downtown?" I lived in North Philadelphia.

Q Did you ask Brothman about Golos? A Yes, after about the second trip that I made up here we both came to the same

conclusion.

Q What did you say to Mr. Brothman about Golos? A I do not recall exactly how it came about, but I do know that we came to the same conclusion. I can't recall whether he brought it up or whether I brought it up. I think it came up in regard to the expenses for the trip, and he said, "You must be spending some money." I said, "It doesn't amount to a great deal. It is really no more than I would spend if I went out of an evening with the boys and stood for a round of drinks." He said, "Nevertheless it is money and neither of us is making too much, I feel I am responsible and I ought to reimburse you for it." So several times I let him pay me for the trips.

Q Did you ask him where you could contact Golos? A No, I did not.

Q Why didn't you do that if you were so anxious to get in contact with Golos? A What is that?

Q Why didn't you do that if you were so anxious to get in contact with Golos? A We had agreed that Golos was pretty much of a phony, and I didn't know, it never occurred to me to ask Brothman whether he knew.

Q It never occurred to you although you had material for Golos and he had <sup>talked</sup> to you six times and you attempted during those six telephone conversations to get in touch with him, it never occurred to you to ask Brothman? A No, it never

at  
occurred to me/all. I thought, here the material is being given to me, as far as the material itself it meant nothing, an errand boy could carry that or you could put it in the mail.

BY MR. QUINN:

Q The only thing is there is a question of expense involved and you were anxious to get your expenses. A I wasn't really too anxious about it. I enjoyed coming up/and here working with Mr. Brothman .

Q Even though it did cost you money out of your own pocket? A That's right. I had spent money very foolishly on other things.

Q Golos had made rather extravagant promises to you about financial returns? A It is not the first one.

Q We won't go into that, but he had made promises to you financially? A That's right.

Q You were interested in financial promises, weren't you only making \$200 a month? A Yes; I was interested in increasing my income.

Q Yet you never thought of asking Mr. Brothman if he knew Mr. Golos's address so you could -- A No, it never occurred to me.

Q The man who introduced you to Golos was a Carter Hoodless? A Yes.

Q And you and Carter Hoodless worked together in the Pennsylvania Sugar Company? A That's right, or the distillery.

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Q You saw Carter Hoodless quite often, almost every day? A I can say I saw Carter every day practically.

Q Did you ever ask Carter Hoodless who Golos was and where you could get in touch with him? A Yes, I told Carter once, I said, "Hey, that man you introduced me to, I think he is a phony-baloney." Carter just shrugged and laughed and said, "Is that so? Another one, hey?"

Q Did you ask him whether he can get in touch with him? A No.

Q Did you ask him how he <sup>had</sup> met Golos? A No.

Q You did not go into Golos' background? A No. Frankly I just wrote Mr. Golos off as just a false alarm. There are so many of those people around. In fact they are still around. They prey on people who actually work and they are promoters or whatever you want to call them, and he was just another one.

Q Is it your custom to pay attention to people like that and do a lot of free work? A Unfortunately, yes.

Q Still to this day? A No, this has been a great lesson to me.

Q When did you decide that you had learned your lesson? A Only very recently, when I came up here to New York, and even, say, within the last few months or so, we have had very bad lessons at Abe Brothman & Associates in doing work for free for people.

JUROR: Do you think that material that Mr. Golos was

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interested in could be used for any purpose connected with armaments, munitions?

THE WITNESS: No. May I --

JUROR: That's all I want to know; it couldn't be?

THE WITNESS: May I just elaborate on the exact nature of the work we did?

MR. QUINN: No, I think not. Mr. Brothman has been in here and he has explained to some extent.

JUROR: Did you know what nationality he was, Golos?

THE WITNESS: The nearest that I can place it is he had a very heavy accent, possibly you might call it Jewish accent, a very heavy accent.

MR. QUINN: Could you trace it to any particular foreign country?

THE WITNESS: It would be very difficult. I don't know, it was a European accent certainly.

MR. QUINN: Guttural? A Yes, somewhat

MR. QUINN: German?

THE WITNESS: Possibly, somewhat, yes. It is really difficult. The best I can think of is it was somewhat of a Jewish overtone.

MR. QUINN: Did it ever occur to you at any time that Golos might be a foreign agent, Russian foreign agent?

THE WITNESS: No, it never occurred to me at all. The only thing I thought about Golos was that he was just a false

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alarm. The only time that this occurred to me was when two investigators from the FBI came around to see me a couple of months ago, and I knew they weren't there to ask idle questions. It was a serious matter.

BY JURORS:

Q Why didn't you ever meet Mr. Brothman at his place of business? Why were they always restaurants? A I will tell you, I was very much afraid at that time. The man that I worked for, Dr. Rich, was an extremely suspicious person. What I did -- this is the reason I wanted to elaborate somewhat on this -- I did work at the sugar company for Mr. Brothman after hours, using the facilities that I had in my laboratory there. And I was very much afraid that if Dr. Rich found out about that he would raise the almighty devil, because he never permitted us to speak to anyone, even visitors that came in. He was always afraid someone was going to take one of his processes. He was a tremendously suspicious man. Though he was a very nice man. He raised me almost you might say from the time I was a pup, he was the man who gave me all my real background in chemistry.

MR. QUINN: Could you answer the grand jury's question now?

THE WITNESS: Would you repeat it?

MR. QUINN: Why did you meet him in restaurants?

THE WITNESS: I was afraid to go up to the office where

he worked because I thought I might run into someone who knew Dr. Rich. Dr. Rich has a tremendously wide acquaintance, and, furthermore, after seeing Brothman the first or second time I found out that Brothman published for Chemical Metallurgical-Engineering articles. Dr. Rich was a friend of Dr. Kirkpatrick who was the editor of it, and I thought here, these trails may cross sometime and if Dr. Rich finds out that I am working outside of the firm that he will <sup>really</sup> raise the dickens.

BY JURORS:

Q Didn't you realize then that you were doing something that wasn't on the level by taking part in these conversations in New York and carrying things back and forth? A No, I didn't think very much of it at that time.

Q You said though that you were afraid that you might do something that your employer might learn about. A That's right.

Q Therefore you must have had in mind the fact that this wasn't exactly what you should be doing, isn't that correct? A You see, Carter Hoodless always told me -- he was the son of one of the two men who controlled the plant, the sugar refinery -- or one of the two men -- one of two men controlling the plant, and he always told me, "You are not going to get anywhere here." He said, "Uncle Willie -- that was W. H. Hoodless, the general manager -- has



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everything here and no one is going to get very much while he is around and," he says, "if it changes hands, then all of us may go, and the best thing to do is look around, look around while you are in, Harry. Go ahead and keep your eyes open for something." And this was the reason that Brothman appealed to me, because he had such a good background in chemistry and chemical engineering, and the fact that the two of us worked together so well in developing these processes, and we have since, that it appealed to me as something for the future.

Q How old are you now, Mr. Gold? A I am 36. I was born in 1910 -- yes -- December 12th -- yes, 36.

Q What was the nature of these blueprints, Mr. Gold?  
A They concerned the Phenol Formaldehyde processes for the following things: Phenol Formaldehyde Moulding Power, Hot Setting Glue, Urea Formaldehyde Cold Setting Glue, and Urea Formaldehyde Moulding Powder, that is all Bakelite, Phenol Formaldehyde Hot Setting Glue is a very common substance. Urea Formaldehyde Cold Setting is used for plywood. The Urea Formaldehyde Cold Setting Glue and Resins are probably the cheapest known, the least expensive. They are used for everything from simple cigarette cases to golf tees, everything.

Q There was nothing of specific nature that you can mention that were related to some specific use? A They were

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related in this fashion. The idea was that Mr. Brothman was designing special types of mixing equipment -- injection type mixer and steam turbine mixers, and he wanted to apply this mixing equipment to the manufacture of these resins, these plastics, and he needed someone to carry out the experimental work as to the preparations of the various materials used to get sufficient data to design. In designing a mixture you have to know how viscous your mixture will be, the changes in viscosity, so you know what sort of powder will be put in, and whether it cakes, to provide abrasives for scrubbing.

MR. DONEGAN: Did Mr. Brothman tell you the questions he was asked before the grand jury and what his answers were?

THE WITNESS: No. He just told me that they would go into my background, my training and so forth, and that they would go into any connection that I had with John Golos.

MR. DONEGAN: Did he tell you what he told the grand jury concerning the blueprints?

THE WITNESS: No, he did not. We had no opportunity to speak. We have both been pretty busy.

JUROR: Those blueprints had to do with mechanisms for those processes? A that's right.

JUROR: For interpreting the data, viscosity and all that, why couldn't Mr. Brothman do the experimental work in his own factory?

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THE WITNESS: He retained me. He had no laboratory facilities that amounted to anything. He told me as the Republic Chemical Machinery was working with the Hendricks Mfg. Co., and they provided him with no facilities of that nature at all, they had no chemical labs at all. In fact, later on, even when Mr. Brothman set up a Brothman Associates and actually had a lab, the staff was of such a poor nature due to the fact that it was impossible to get very good technical help during the war, that I still continued to do work for him even though he had a staff of four or five people on it.

BY MR. DONEGAN:

Q After your first trip to New York and Mr. Brothman turned over to you some blueprints and you went back to Philadelphia, did you experiment with the data contained therein?

A Yes, I did.

Q Did you make notes? A I turned all of those over to Mr. Brothman.

Q Did you make notes as to the results? A Just mostly I'd make a few notes and then I would tell him.

Q What type of experiments did you conduct? A Mostly viscosity, the amount of fillers needed in these various resins, the setting times and so forth.

Q Over how long a period of time did you conduct those experiments? A On the Urea Formaldehyde, I --

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Q Over how long a period of time? A I would say it took me six to eight months to conduct those.

Q I am referring to the first set of blueprints?

A That's what I am referring to.

Q Six or eight months? A Yes.

Q You spent six or eight months on those experiments?

A Yes.

Q You did that for the purpose of turning the results of your experiments over to Golos? A No, I wasn't going to turn those results over to Golos at all until I was satisfied --

Q When did you decide to turn them over? A After about the second trip, and then he would have had to explain to me exactly where I stood.

Q You made a second trip to New York and obtained blueprints from Brothman? A That's right.

Q You told Brothman that those were for Golos?

A That's right.

Q How long did it take you to conduct experiments with reference to those blueprints? A I'd work possibly one evening a week, or two weeks.

Q Over how long a period of time? A About six months.

Q Your next trip to New York you received some blueprints or other data from Brothman for Golos and you conducted your experiments on that? A Yes; they weren't necessarily tied in with those blueprints.

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Q The information you got from Brothman you conducted experiments on in Philadelphia, is that correct? A Yes.

Q Over how long a period of time? A Over a period, as I said, all of that, about six months.

JUROR: I thought Mr. Brothman was interested in these questions. Did you tell him about the answers you got on the viscosity of fillers and all that?

THE WITNESS: Yes.

JUROR: Then it really was for him?

THE WITNESS: That's exactly it. I am sorry -- Mr. Donegan?

MR. DONEGAN: That's right.

THE WITNESS: Mr. Donegan, it is the way the question is phrased that confuses me. But after the second time I had pretty well made up my mind that Golos was a phony and I was interested -- these promises to me were new, it was an entirely new field to someone who had worked in a sugar refinery and alcohol plant, and who was at that time actually working as a bacteriologist, and I was very much interested and I have always been interested in a new field.

BY MR. DONEGAN:

Q Did you tell Brothman after your second trip when you decided that he was a <sup>phony</sup> ~~phx~~, that Golos was a phony, did you tell Brothman that you considered him a phony? A Yes.

Q Did you agree with Brothman that you were not going to turn over any of his material to Golos? A You know how

this sort of thing is.

Q I am asking you a question and I'd like your answer.

A I am really trying to answer; you don't just sit down and say, "Well, here, I have made my decision. It stands."-- Please, I am not trying to be facetious. This is a serious matter -- and just put it down in black and white. You come to that sort of state of mind gradually, you see.

Q Did you ask Brothman -- A In fact, I never considered it of any tremendous importance.

Q Did you ask Brothman, "Is there anybody else that you get in touch with in order to locate Golos"? A No, I did not.

Q Did Brothman advise you that he was meeting anybody else connected with Golos? A No.

Q You never asked Brothman at any time where you could get in touch with Golos? A No.

Q Although you and Brothman agreed Golos was a phony? A Yes. I took it for granted that Brothman couldn't get in touch with him any more than I could.

Q Did you ever ask him how you could get in touch with Golos? A No, I never did; I am sorry, if I digress; I really don't mean to.

JUROR: Mr. Gold, what was Mr. Brothman's idea of Mr. Golos? Had any promises been made to him as to what the outcome of those blueprints would be?

THE WITNESS: I never straightened it out exactly. I understood however from Mr. Brothman that he would be paid by

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Mr. Golos, for the development of these processes. Now, whether it was to be the way we work now - we try to obtain on a new process that we develop, we try to obtain both a down payment for the engineering work, a payment for the cost of the process, developing the process, and some sort of a continuous royalty agreement. That's a common thing in the industry. When you develop a process you try to get paid for the work that you have done, and ~~although~~ also some sort of royalty agreement. Although people try to steer away from royalties. They hate to pin themselves down to agreements of that nature.

(WITNESS EXCUSED)