

1 UNITED STATES OF AMERICA
2 NUCLEAR REGULATORY COMMISSION

3 + + + + +

4 INTERVIEW

5 WITH

6 DR. YUQING LI

7 + + + + +

8 WEDNESDAY,

9 OCTOBER 18, 1995

10 10:15 a.m.

11 + + + + +

12 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

13 + + + + +

14 INTERVIEWERS:

15 JOHN GLENN, Team Leader, Lead Interviewer

16 GREGGORY P. GONECONTO

17 ALAN MADISON

18 THOMAS O'CONNELL

19 LARRY ROBINSON

20 SAMI SHERBINI

21 BETSY ULLRICH

ADDENDUM

Page Line Correction and Reason for Correction

7	7	should be "I" developed. not "we"
7 7	10	after checking with log book, I did not
YL		do a PCR labelling to put radioactive
		nucleotide into DNA as a probe. It
YL		is a mistake, or wrong statement.
7 7	18	remove one "in"
9	9	should be: Southern blot was failed
		on August 13, Sunday, the exposure,
9	10	the developing of the IP plate, we
9	11	should be "imaging analysis, It's a ..."
10	5	"50" instead of "15"
10	7	should be "I was using is a new method.
10	10	should be "activity"
10	18	should be "precipitated to ..."
10	21	"50" instead of "15"
13	2	"component" not "complement"
15	1	"checked" not "isolated"
15	3	And then I thought I believe
		a contamination entering the room I YL
		worked colleague entered
15	6	"colleague" instead of "copy"
15	10	"is her" not "is his"
15	12	"I was 100% sure she was"

Page 1 Date 10/21/15 Signature Yuefeng Li

ADDENDUM

Page Line Correction and Reason for Correction

15	24	"solution" not "equates"
15	25	"reading" not "leading"
16	1	"stunned" not "stumped"
		"could" not "can't"
16	2	"fold over the background"
16	19	"came to" not "kept"
Y ^L 16 17	19-20	"pretty hot" not "previous chalk"
17	24	"gulp" not "cough"
17	25	"gulped" not "count"
19	21	"back" not "park"
20	5	" one to get several ml of blood
20	19	because I was not
20	19	"That's fine" not "It's fine"
20	25	"to sit" not "to set"
21	3	"calibration" not "calculation"
21	11	"cpm" not "ml"
21	18	"scitilation" not " the situation"
21	22	"my" not "high"
22	17	should be So then Mitchell Galanek drove back with me to "
23	6	"I could have" not "I can't"
24		

ADDENDUM

Page	Line	Correction and Reason for Correction
24	25	"one liter" not "a little"
25	25	
25	1	"one liter of water mixed with ..."
		"But at that time" not "But every"
	remove	"But every ... Department"
25	4	"curious" not "furious"
26	8	remove "It's just ... from me"
26	20	"IRPA" not "ICRP"
27	11	"above" not "about"
27	19	"counter" not "count"
27	23	should "I change clothes before I go to work"
28	6	"to" not "into"
29	2	should be "And we were talking at around 500 uCi to 1 mCi"
30	22	"so they got those ..."
31	21	"wrote" not "load"
31	20	"IRPA" not "ICRP"
32	21	"ALI" not "MI"
32	24	should be "microcuries. From the paper I found, it should be 740 microcuries."
33	16	"printed out with"
34	6	should be "And they said they wanted to do the ..."

ADDENDUM

Page	Line	Correction and Reason for Correction
34	12	"calculate" not "cooperate"
34	13	"... he said ..." not "he has"
34	24	"might not be so exact,
35	21	"who probably is my primary
35	22	"Probably he's not, I didn't
36	22	"physician" not "probably"
36	20	delete "He's actually ... very active"
37	6	"or" not "on"
37	12, 14	"ion" not "iron"
37	23	remove "Harvard"
38	22	"actually" not "effectually"
39	2	"So I checked <u>with them</u> step by step & ..."
41	3	"may be" not "let me"
41	11	"poisoning" not "poisoned"
41	18	"13,500" not "30,500"
42	11	"higher" not "lower"
42	13	"estimate" not "calibration"
42	13-14	delete "So you put -- number"
42	17	"company" not "yan yan"
43	17	"not" not "in"
44	9	"previous" not "obvious"
44	20	"by 0.65" not "by lab"
45	18	"work at Center for" not "working
Page 4	Date 10/2/95	Signature <u>[Signature]</u> same ..."

ADDENDUM

Page	Line	Correction and Reason for Correction
45	2 ^{RL}	delete "And" "concerned" not "confident"
46	5	delete "Mitchell"
46	15	"note" not "note book"
48	4	"or" not "and"
48	5	" was wrong" not "double".
48	10	"I tried to stay at normal water intake level" not "I try to stay
48	19-20	" - - forgot to calibrate back to into the whole body."
50	4	"day 0" not "today's unit"
51	4 4	"ion" not "iron"
51	6-7	" - - whether the blood counts is normal or not."
52	8	" - - - related." So I don't
52	9	delete "
52	10	"assumed" not "assume"
55	8	"counter" not "count"
55	15	"should have said"
56	5-6	"And I asked him whether I could talk to him over the phone, because I was - - -"
57	6	"accurate" not "direct"
57	7	delete "You think - - - harm?"
57	10	delete "of"

ADDENDUM

Page	Line	Correction and Reason for Correction
57	24 -	Delete
58	3	
58	16	"to get a lot out of these,"
58	21	"... So I perceived that way."
58	22	"Another" not "Certain"
59	17, 18	"Someone" not "bah"
60	6	"received" not "released"
60	23	"wrote these..." not "loaded the..."
61	23	"12:00" not "10:00"
62	3	"counting" not "printing"
63	19	"If you are familiar..."
63	22	"wrong" not "right"
64	25	"the use" not "this"
		"this" not "the use"
65	24	Delete "So that's what detail is... five, yes."
67	18	"LRPA" not "ICRP"
67	25	" code curve" not "code"

1 P-R-O-C-E-E-D-I-N-G-S

2 (10:15 a.m.)

3 LEAD INTERVIEWER GLENN: Dr. Li, my name is
4 John Glenn. I'm with the Nuclear Regulatory Commission.
5 And I'm heading up an investigation, incident
6 investigation, team that the Commission has chartered to
7 look at the incident involving your exposure to P-32 here
8 at the Massachusetts Institute of Technology.

9 Today is October 18th. It is approximately
10 10:15. And we're going to ask you questions about what
11 happened to you, let you tell your story, and then ask
12 questions so that we can fill in some of the details of the
13 incident.

14 The purpose of the incident investigation team
15 is to establish the facts and to create a record, which the
16 Commission can rely upon in terms of any recommendations it
17 makes regarding what we find out from the study of this
18 incident. We will try to identify the probable cause, you
19 know, how did this happen and why did it happen. And we
20 will make recommendations in terms of our report.

21 Why we have interviews with people like you is
22 obviously the facts are from people who were involved with
23 the incident. And certainly since you were the person who
24 was exposed, you're a primary source of information to the
25 team in terms of our study.

1 It is being transcribed. And the reason it's
2 being transcribed is to aid us in terms of creating a
3 record of what the team has done, be able to refer back to
4 it when we do our analysis and for causes and that sort of
5 thing and to also reduce the amount of note-taking that we
6 do so that we can really concentrate on having a discussion
7 with you and hearing what you have to say.

8 Now, this transcript is available for review,
9 and it will be available tomorrow. And you can come in and
10 ask to see the transcript, read it. If you see problems
11 that either you were misunderstood, misquoted, or that you
12 have a comment, something that you forgot to say at the
13 time, there will be an errata sheet that you can fill out
14 and put "Line Number" such and such and "The words should
15 have been something else" or "I forgot to mention something
16 else." And then your comments become a part of the record
17 as well as the transcript itself.

18 It's also publicly available at the conclusion
19 of the investigation. So that after we have published our
20 report, which we'll not refer to people by names, all of
21 the documentation that's a part of that report will be put
22 in the PDR, the Public Document Room, and will be available
23 to any member of the public who wanted to receive it.

24 Now, everyone here is either yourself, the
25 transcriber, or something from the Nuclear Regulatory

1 Commission, or in one case the State of Massachusetts. I'd
2 like to have the people who are in the room introduce
3 themselves. So, if we could, I guess, start with you,
4 Larry.

5 INTERVIEWER ROBINSON: My name is Larry
6 Robinson, Dr. Li. I'm with the Office of Investigations of
7 NRC.

8 DR. LI: Okay. Thank you.

9 INTERVIEWER MADISON: I'm Alan Madison. I'm in
10 headquarters, AEOD, with the NRC.

11 INTERVIEWER ULLRICH: My name is Betsy Ullrich.
12 I'm a health physicist with the Region I office of the NRC.

13 DR. LI: Thank you.

14 INTERVIEWER O'CONNELL: Hi. My name is Thomas
15 O'Connell. And I'm with the Massachusetts Department of
16 Public Health.

17 DR. LI: Yes.

18 INTERVIEWER SHERBINI: My name is Sami
19 Sherbini. I'm a health physicist in headquarters,
20 Washington.

21 DR. LI: Okay.

22 LEAD INTERVIEWER GLENN: Dr. Li, I wonder if
23 you could just for us state briefly where you work and how
24 long you've worked with MIT and what you do, just a little
25 bit about your job and yourself.

1 DR. LI: Yes. I'm a post-doc fellow at the
2 Cancer Center Research. I have been working for MIT for
3 four years. My work is mainly related to molecular
4 biology. And for this type of work we use a lot of
5 radioisotopes. And primarily, I would say exclusively,
6 it's the P-32. And generally we use isotope in the
7 building which we call E17, E like east, E17. It's third
8 floor.

9 LEAD INTERVIEWER GLENN: In your education,
10 your degrees?

11 DR. LI: Yes. I got a Ph.D. '91 in Japan,
12 Nagoya University in Japan. After that I transferred to
13 here to do post-doc research.

14 LEAD INTERVIEWER GLENN: The way we'd like to
15 start off the interview is by having you sort of relate in
16 a narrative fashion what happened. And I guess the
17 contamination was detected on August 19th, but you have
18 reason to believe that the contamination incident occurred
19 earlier than that.

20 So if you could start from maybe a week, two
21 weeks in advance of that, those things you think we need to
22 know about the incident that might have contributed to it?
23 And then just take us through what you were doing in the
24 lab, anything unusual that happened during those periods,
25 how you managed to detect the activities, so forth. If you

1 could just go through and tell us the story?

2 DR. LI: Yes. It's going to be pretty
3 time-consuming. I don't know what kind of level of detail
4 you want. You want to just go through giving you a
5 framework of happened in the past two months or do you just
6 --

7 LEAD INTERVIEWER GLENN: We actually want a
8 fairly detailed. So I guess the thing to do would be to go
9 through it in as much detail as you feel is appropriate.
10 If it looks like it's going to be a very long session, then
11 maybe we would need to break it up and come back. We can
12 do that.

13 DR. LI: Okay. So I will go into the detail.
14 So it takes time probably.

15 LEAD INTERVIEWER GLENN: Yes.

16 DR. LI: So usually we do biomedical research.
17 So I first would like to let you know we usually don't have
18 a concept of a weekend, something like that. We basically
19 work 7 days a week and almost 12 hours a day. It's just
20 partly because we love science and we do science as a part
21 of the occupation, part of the enjoyment of doing science.

22 LEAD INTERVIEWER GLENN: Right.

23 DR. LI: So I will start from Sunday, which is
24 a day earlier than the day I was supposedly ingested the
25 isotope.

1 LEAD INTERVIEWER GLENN: What date would that
2 be?

3 DR. LI: It's August the 13th, Sunday.

4 LEAD INTERVIEWER GLENN: Thirteenth.

5 DR. LI: So on August the 13th, Sunday, I came
6 to the MIT around 10:00 o'clock, 10:00 o'clock. And it's
7 not important. We developed some Southern blot films to
8 see what kind of -- see the inside, as I did previously.
9 So after that I found Southern blot film.

10 I did another labeling of what we call PCI
11 labeling to put radioactive nucleotide into the DNA as a
12 probe. And after that, around 3:00 o'clock or 3:30, I left
13 for home. So that's what happened on August the 13th.

14 I think one thing important I would like to let
15 you know is since weekends and also weekdays it's sometimes
16 difficult to -- for us to arrange time to go out for lunch
17 or dinner and we work 12 hours, usually I bring in my lunch
18 and a dinner in in lunch box or dinner box, which is
19 prepared by my wife.

20 And so on Sunday of August 13th I brought in
21 two boxes of lunch, and I ate one for lunch. But since I
22 left early, 3:30, because -- the reason I left early was my
23 wife came. And she told me she was not comfortable, she
24 was with headache, stuff like that. So then we -- I left
25 early.

1 This is not usual. Usually it's around 8:00
2 o'clock to go home. And so I had an extra box of food left
3 in the refrigerator, which is only for food for the lab.
4 So I left that overnight. And then we went out to shop at
5 the supermarket to buy food for cooking food for next time.

6 And for us we got married about three years.
7 And usually my wife cooks for me two times, twice, a week.
8 And she prepares like 6 to 10 lunch boxes for me. So I
9 just take out two and bring to MIT, and I eat two.

10 So in this way I don't have to worry about when
11 the food court is closed at 7:00 o'clock I don't have to
12 rush out because experiment is difficult to adjust. So I
13 wait.

14 My wife and I, we cook on that August 13th.
15 The reason we do that is we looked at the credit card
16 transaction sheet. And we identified on that day we went
17 to the supermarket and we bought 30-some dollars of food,
18 cook. So it's a pretty good indication we cooked that day.
19 And it also means the box left overnight was the last box
20 of the previous batch of the food.

21 So I usually have a habit of if I have two
22 boxes of food, I will eat the old one first and eat fresher
23 prepared ones for dinner. And, in addition to that, I
24 usually can identify which one is the old one and new one
25 because if next day I come and eat, I usually bring in

1 fruits, like apple and a banana, something like that, so
2 that new batch will have fruit in that box. So I can
3 easily identify which one is left overnight, which one is
4 the new batch I prepared on Sunday. So I will attend to
5 that later.

6 So that's what happened August 13th. And then
7 on August 14th I came in at 8:10. I arrived at MIT at 8:10
8 in the morning. And I did -- since I told you that
9 Southern blot was film on August, Sunday, the exposure,
10 developing of the -- we are not using X-ray film. We use
11 Uniden alignment. It's a much advanced form of detection.
12 So I did again labeling action, trying to get it to work.

13 So I have to go into my notebook. Do you want
14 me --

15 LEAD INTERVIEWER GLENN: I guess one thing, are
16 you probably going to have some documents that you want to
17 leave with us when this is through?

18 DR. LI: Yes, yes.

19 LEAD INTERVIEWER GLENN: Okay. Well, we will
20 discuss that.

21 DR. LI: Do you think we need to go -- do you
22 need that type of detail or you don't need that?

23 LEAD INTERVIEWER GLENN: Probably not that
24 level right now, but --

25 DR. LI: Okay. Well, we don't have --

1 LEAD INTERVIEWER GLENN: If you're going to
2 leave the documents, that will be --

3 DR. LI: Yes. So we did -- I did labeling
4 again. I used 100 microcuries of the materials for two
5 reaction. Usually for one reaction we use 15 microcuries.
6 I know the first time the incorporation was not working
7 because PCR labeling I was using a new method. I was
8 trying to work it out. I know the isotope were in the
9 tube. It's not leaked out because I measured the
10 reactivity.

11 It's approximately. I cannot remember exact
12 count. It should be in the notebook.

13 LEAD INTERVIEWER GLENN: You have a record
14 there of the --

15 DR. LI: Yes. It should be in the notebook.
16 So I know it's not working. Most of them were in the
17 supernatant, we call in the supernatant. The probe usually
18 is pre-fixated to the bottom of the tube. So I discarded
19 it.

20 And then I started labeling again. Now, the
21 second time the labeling worked because of more than 15
22 percent. Again, I cannot know exact numbers. I can find
23 them out in the notebook.

24 So I measured both the supernatant and the
25 probe. So I know it worked. And then I did a Southern

1 hybridization. This I'm not sure whether I did a Southern
2 because I have to look at that notebook to find out. So,
3 anyway, I did a -- second time it succeeded in the thing.

4 So during that whole-day period I ate lunch
5 around, I believe it's around, 12:00 to 1:00 o'clock. So
6 that box of lunch was the one left overnight.

7 LEAD INTERVIEWER GLENN: Excuse me. Let's take
8 a pause.

9 (Whereupon, the foregoing matter went off the
10 record at 10:31 a.m. and went back on the
11 record at 10:32 a.m.)

12 LEAD INTERVIEWER GLENN: We just went off the
13 record and came back on the record. We interrupted Dr.
14 Li's narrative because of the arrival of another individual
15 from the NRC. So I wonder if you could introduce yourself
16 and say who you're with.

17 INTERVIEWER GONECONTO: My name is Gregory P.
18 Goneconto. I'm a special agent with the Nuclear Regulatory
19 Commission Office of the Inspector General.

20 INTERVIEWER ROBINSON: And for the record it's
21 now 10:32 a.m.

22 LEAD INTERVIEWER GLENN: Okay. Dr. Li, if you
23 could continue with the description?

24 DR. LI: Yes. So second time it worked. And I
25 had lunch between 12:00 to 1:00 o'clock, I believe. And

1 then I left on Monday at 8:15 at night, 8:15 in the
2 evening.

3 Before I left the lab, I usually -- about 30
4 minutes before I usually leave the lab, I usually have
5 dinner at the lab in the conference room. And then after
6 that I would just go home. This is a kind of a habit I am
7 in, always like this. So this is what happened on Monday,
8 August 14th.

9 Then from August 15th to August 18th I was not
10 doing bench work. The major reason for that was I got a
11 new job at the University of Illinois. And I have to do
12 some paperwork for the new place. And, actually, I
13 received a grant application for private foundations. I
14 have to finish so to get them on time. So I stopped
15 experiment for the next three or four days because of the
16 grant write. I'm still sitting near the bench because our
17 bench is connected to desk, to my desk.

18 So then on Saturday, August 19th, as usual I
19 went to the lab at 9:50, 5-0. And I -- since the work was
20 disrupted for several days because of the grant-writing
21 activity in the lab, then I labeled the probe again, tried
22 to get it to high efficiency because the previous one was
23 not working because I was trying to work out the -- how to
24 get good labeling.

25 Actually, in between I ordered a kit, a kit to

1 do PCR labeling. Previously I was trying to do it myself
2 with self-assembled complement. I found it's a new method
3 identified by a kit. So I used a new kit to do the
4 labeling.

5 In the middle I went out to see a movie with my
6 wife. And then when I came back, the labeling should be
7 finished. So I took the tube out, and I was about to count
8 the incorporation. By in between we have to precipitate
9 the probe. So that's why I started to survey my hands.

10 I have been working with radioisotopes for
11 almost 10 to 12 years. Usually I always -- I was -- almost
12 exclusively, 99.9 percent, I will wear gloves, disposable
13 gloves. And I will check using data count about -- usually
14 I only check the hands because we have a shield like --

15 LEAD INTERVIEWER GLENN: Yes.

16 DR. LI: And I work with only hands with this.
17 But only if hands are contaminated, then I will check the
18 other parts. So on that day I checked my hands, and I
19 found it's radioactive.

20 And I saw it. It's on the glove, the
21 contamination with gloves. So I washed in a radioactive
22 sink using the -- we have a detergent called Radiowash or
23 something like that.

24 LEAD INTERVIEWER GLENN: Yes, right.

25 DR. LI: So still I couldn't wash it off the

1 gloves. And I thought it's strange. So I took off the
2 gloves and measured my hands again. And I found it's
3 radioactive. And I used the same detergent to try to wash
4 off my hands. And I couldn't wash it off.

5 And it's really strange because I only did it
6 on Monday. And then Monday I had surveyed it when I
7 finished. I couldn't find the radioactivity in the hands.
8 So it's just very strange to me.

9 And I -- somehow I wondered for several
10 minutes. Then I happened to hit my leg. And I found it's
11 much higher than the --

12 LEAD INTERVIEWER GLENN: Higher than the --

13 DR. LI: -- knee, my knee pad. And then I
14 pointed to my head. It's off like crazy. So then I
15 realized that I was contaminated.

16 And then the next thing I did was I want to
17 make sure. I thought it's a contamination probably. So I
18 checked my bench and also the desk area. And I couldn't
19 find anything hot on the surface of these.

20 And then since -- my wife was in the campus
21 somewhere else. So since -- my wife watched a movie with
22 me and she was about to go back home. So I immediately ran
23 downstairs and got my wife back because I thought it's
24 probably someone put the radioisotope in my home or
25 something or maybe the contamination source is at home. So

1 I got my wife back and isolated my wife. And I know she
2 was not contaminated. So I let her go back to home.

3 And then I caught I believe a copycat enter the
4 scene. So I thought it's contamination probably in the air
5 or maybe in that room generally. So I caught one of the
6 copy -- I cannot remember exactly. Probably I think it's
7 Dr. Wang, Yanyan Wang.

8 LEAD INTERVIEWER GLENN: Sir, could you spell
9 that?

10 DR. LI: Y-A-N-Y-A-N is his first name. And
11 last name is W-A-N-G.

12 I'm not 100 percent sure she was not
13 radioactive. And I thought it's strange why only me got
14 this radioactivity. So then I'm still not convinced how
15 come all over my body will be radioactive.

16 So I thought for a while. And I was trying to
17 find out whether there was instruction in the -- we have a
18 yellow book from MIT how to solve these kinds of
19 situations. And I couldn't find anything. And I thought
20 for a while.

21 And I went out to the bathroom. And I took a
22 urine sample myself using test tubes available in the lab.
23 And then I put one ml. I piped one ml into the scintillate
24 counting vial without scintillation equates.

25 And there's a leading count about 2,800 cpm,

1 2,800 cpm. Then I was stumped. How come I can't have 200
2 for the background? Then I would know I was definitely
3 seriously in trouble.

4 So I immediately searched what I can do with
5 that manual, with that yellow book. I didn't have a copy
6 with me. Anyway, at MIT when you go through the training,
7 you get a yellow booklet on what you can do. So at the end
8 of the page there is an emergency, what emergency situation
9 you can handle. So you describe. If it's a weekday, then
10 you call the Radioprotection Office. If it's off-hour, you
11 call MIT police.

12 So I called MIT police. I believe it's around
13 4:00 o'clock. They should have the call to the MIT Police
14 Department. And I told them "I got radiation
15 contamination, and I want to get a professional help. I
16 want to determine what kind of dosage I have in my body.
17 So please contact Radioprotection Office so that we can
18 handle this situation."

19 And the police, MIT Police Office, kept me
20 about 20 minutes, 10 or 20 minutes, late. And he was on
21 the phone with headquarters. He said he does not know how
22 to handle this situation and, I mean, where I should call
23 and whether I should be escorted into another place.

24 And then we sat down together and went through
25 that manual again. And we found that in cases like this if

1 someone was contaminated, one should be treated at MIT
2 Medical Department Isotope Room or something like that.

3 The police officer then phoned the headquarters
4 and said, "Look, we got this answer in this person's
5 manual. So we have to escort this person." Then he asked
6 the headquarters whether we can just escort this person
7 just through walking or we have to use a police cruiser
8 because it's another building.

9 LEAD INTERVIEWER GLENN: Yes.

10 DR. LI: I believe the headquarters say that
11 "You can just walk through the building to that place." So
12 then we walked to the MIT, through several buildings to the
13 MIT Medical Department. So in the first floor they have a
14 -- I think it's a Radioactivity Decontamination Room or
15 stuff like that.

16 So a doctor asked me how I feel. I told him
17 "I'm okay. I'm just curious what happened." And he
18 surveyed myself using a Geiger counter. And he found out
19 if you use the counter going in the GI tract, it's previous
20 chalk and when I open mouth, get higher reading. So they
21 concluded that "Oh, probably you just got ingested through
22 the mouth."

23 And he gave me 6, maybe 10 liters of saline.
24 He told me to cough. And I just took -- to get to the
25 count. So I count for like two or three liters of saline.

1 And they put the liquid in a tub.

2 And I measured in the tub. It was not
3 radioactive. And I realize that probably it's not ingested
4 from that day. Because if it's ingested, it should be
5 around in the mouth, something.

6 And then -- and I measured also the head. And
7 I found that it's also as high as the mouth if I measure
8 this way, as high as the mouth. Then I told the doctor. I
9 said, "Probably it's not I ingested it today because how
10 can it circulate, goes through the head already? It's so
11 hot here."

12 And basically he didn't know how to explain it.
13 And he was trying to catch one of the radioprotection
14 officers.

15 LEAD INTERVIEWER GLENN: Do you happen to know
16 the name of that doctor?

17 DR. LI: No, I don't have the name.

18 So about I think two to three hours, two to
19 three hours, later, Mitchell Galanek and Don Haes from
20 Radioprotection Office came in. And they asked me what I
21 was doing on Saturday and et cetera.

22 Then they said they were going to take care of
23 me. So they told the MIT Medical Department they were
24 going to take care of me. So they don't have to worry
25 about it.

1 So they took me back to the lab. And they
2 surveyed the -- both of them surveyed the -- my bench and
3 my desk and the immediate area surrounding my working area
4 in my room, which is Room 347.

5 But they couldn't find anything that was
6 contaminated. It was very clean and for something that is
7 strange up to that point. They immediately asked me,
8 "Where is the water cooler?"

9 And now I understand. At that time I didn't
10 understand. I said, "We have two water coolers." So they
11 immediately surveyed the two water coolers. And it was not
12 radioactive.

13 They asked me where I stored my food. And I
14 told them "this refrigerator." And they surveyed that food
15 in the refrigerator, and it was not radioactive.

16 Several days later they told me there was an
17 incident in NIH involving water cooler contamination, stuff
18 like that. Then I realized why they searched all water
19 coolers, but at that point I didn't know why they did all
20 of these things.

21 So then I -- oh, one thing I forgot. Park in
22 MIT Medical Department. I'm sorry I forgot that. So when
23 they came in, I asked them what was the amount in my body
24 because I have 3,000 in 1 ml of urine. And they told me.
25 We discussed what were the possible outcomes. And they

1 told me "Assuming you have 7,000 ml of liquid. So it's
2 something like 2.1 million cpm in your body. So it's about
3 one microcurie, several microcuries."

4 And at the MIT Medical Department I asked the
5 doctor also to get the one ml because I was not so sure how
6 come in urine and in the blood it's the same concentration.
7 I just -- I'm a scientist. I just want to make sure one ml
8 of urine is the same amount of one ml blood in terms of
9 scintillation counting number.

10 So I ask them to withdraw some blood from me.
11 So the doctor got maybe 10 ml of blood from me. And so we
12 took those, both blood and the urine sample, back to the
13 lab.

14 I'm sorry for the interruption. This is I
15 forgot to tell you.

16 So they quickly did a survey at my work area.
17 And then Mitchell Galanek told me if it's possible, he
18 would like to go to my apartment to see whether my
19 apartment was contaminated. I said, "It's fine."

20 But he said, "We first have to do -- we first
21 have to do it on whole body counts." That's what he said,
22 "whole body count." "Then we will know the correct
23 dosage," he said."

24 Then we went on to the Radioprotection Office,
25 which is, of course, here. And he asked me to set on whole

1 body counts. He did the count. And I asked him, "What is
2 the dosage based on that count?" He said he has to do the
3 calibration in order to -- he had the old calculation, but
4 he is not so sure whether it changed or not.

5 And then he came back. He told me, "It's not
6 3,000 in your urine. It's 8,000."

7 I said, "Why it's 8,000?"

8 He said, "Probably used only Channel 1 only
9 because you have three channels. So if you cut off at
10 Channel 1 you get small number." And he said, "What I got
11 here is 8,000 ml."

12 And he said, "We have to monitor you throughout
13 the following days to get an approximate number in order to
14 -- until you get rid of all the isotopes." So they gave me
15 lots of bottles for storing urine.

16 And I asked Mitchell Galanek to measure the
17 blood. And he measured 10 or 20 microliters. And he told
18 me something in the blood will quench the situation,
19 solution. So that's why you cannot measure the one ml
20 total.

21 Then I discussed again with him. If one ml
22 it's a total -- if the total volume of high liquid is 7,000
23 ml, then it ends up with 6 million or something, 5.6
24 million. And so since I know 2.2 million is 1 microcurie,
25 so it will be 3 or 4 microcuries, like that. They said

1 it's probably 10 to 20 microcuries. But we will know the
2 exact number when we get the calibration number.

3 And also Mitch Galanek told me why I was
4 counting, because you have to sit in a whole body count for
5 10 or 20 minutes to get the count, told me he was just on
6 the phone with Frank Masse. I didn't know Frank Masse. He
7 told me Frank Masse is in charge of radioactive isotopes at
8 MIT, stuff like that.

9 So he said, "I will go back with you to your
10 apartment to check whether your apartment is contaminated
11 or whether it's contaminated from your home."

12 And after that, after I finished whole body
13 counting, Mitch Galanek and Don Haes also did a like Geiger
14 counting various parts of my body. So they got counts that
15 had at the knee, at the back, at the front, everywhere so
16 they just had a new record.

17 So then I drove back with Mitchell Galanek to
18 my apartment. For some -- because of all of these things
19 going on, I was late. It's almost 9:00 o'clock. So my
20 wife phoned the lab, why I'm still not back. So then one
21 of my colleagues told my wife I'm contaminated with
22 radioisotope. So then my wife was very anxious. And she
23 drove to MIT while we drove back. So we were just
24 paralleled each other.

25 And then we arrived at my apartment. And

1 Mitchell Galanek checked everything. On the way to the --
2 to my apartment I discussed the dosage again with Mitchell
3 Galanek. And my impression was it's about 10 to 20
4 microcuries based on those figures and based -- later I
5 asked them why they told me it's 10 to 20 microcuries.
6 They told me because they believe I can't ingest it on that
7 day. So if you have that amount in the urine, then it must
8 be 10 to 20 microcuries.

9 So then we arrived at the apartment. So he
10 surveyed both the bathroom, the kitchen, the study room I
11 have, the meeting room, everything that was affected. So
12 no isotope contamination was detected, even my clothes.

13 I have a habit of doing laundry only once a
14 week. So usually because that day was a -- Saturday I
15 usually go to the laundry. So the previous week's clothes
16 were --

17 LEAD INTERVIEWER GLENN: A whole week's worth.

18 DR. LI: -- all in the laundry bag. So he
19 surveyed all those. He pulled them out to see radioactive.
20 So then he said that "It's okay. Probably you don't have
21 contamination at home. So you just take a rest. And we
22 will consult on Monday what kind of dosage you have." So
23 this is what happened on the Saturday, 19th.

24 And then I think about 30 minutes later Dr.
25 Yanyan Wang, the previous person, called me at home. And

1 she was very concerned about my situation. And I told her,
2 "Don't worry. It's only 10 to 20 microcuries."

3 And she said, "We don't know what will happen
4 with 10 to 20 microcuries."

5 And then I asked her what I can do if I have 10
6 to 20 microcuries in my body. She said, "You should drink
7 lots of fluid." And I thought naively I should have --
8 since it's probably P-32, P-32 we know yet.

9 Another thing I asked Mitch Galanek while I was
10 in the Medical Department, I asked what type of
11 radioisotope it is in my body. So in the whole body
12 counts, for some reason they can tell it's P-32. So at
13 that point I was already quite sure it's P-32.

14 Then I was quite naive. I thought probably if
15 I drink more phosphate, then I should be able to get rid of
16 that. So I drove out with my wife to CVS or Brooks Drug
17 Stores, tried to get phosphate solution. But clearly they
18 didn't have phosphate solution commercially available for
19 me to drink.

20 And the one pharmacist actually found a drug
21 which is pretty high in phosphate, but this would cause me
22 vomiting, he said. So I bought that drug, but I didn't use
23 it. I think it's just too tough for me to use.

24 So I stayed up all night, basically. I didn't
25 sleep. Maybe every one or two hours I just drink a little,

1 but a little over mixed with maybe orange juice. But every
2 time even I get one ml sample, I will give them to MIT
3 Medical Department.

4 So I have -- so I was quite furious. I hope
5 you understand it's just anxious, what happened to me.

6 LEAD INTERVIEWER GLENN: Sure.

7 DR. LI: And I'm still quite puzzled why it's
8 10 to 20 microcuries I can get so a lot in my body. I
9 started to doubt it's not because I have confidence in
10 myself. I have been working with P-32 lots of millicuries
11 so far, and I never got this type of contamination. So I
12 think probably it's something strange.

13 This may be much more than 10 to 20
14 microcuries. And I looked -- I reflected on what I used on
15 Saturday. I only used maybe I think 100 microcuries or 50
16 microcuries. I cannot remember exactly.

17 So to get 10 to 20 microcuries, I have to
18 assume 20 percent somehow stuck to my hand or my glove and
19 then I touched to my mouth. But usually I never do that.
20 And then if I touch it on my clothes, on my skin, I should
21 have spot which is hot. I couldn't find it.

22 So I worked with my computer at home, and I
23 logged into MIT, tried to find literature how to determine
24 the original dose because I started to doubt why it's 10 to
25 20 microcuries. So I got a list of papers and books

1 related to radioactivity. So I printed them out so I would
2 have them in the morning.

3 And I drove off to MIT and was looking for the
4 literature describing what was the original dosage because
5 it looks to me the MIT Radioprotection Office would not
6 know how to calculate this because they -- because it's
7 just not -- a physical model I couldn't comprehend. It's
8 just curiosity. It's just very inviting out from me. I
9 couldn't sleep.

10 So I found a book which is about
11 radioprotection protection and safety. And they have a
12 table. On Sunday I borrowed that book. And they have a
13 table about how to calculate what you originally got. So
14 they have a table of what the level will be at day 3, day
15 5, day 7, day 30, and at day 60.

16 LEAD INTERVIEWER GLENN: Do you happen to
17 remember what that reference was?

18 DR. LI: I have a copy here.

19 LEAD INTERVIEWER GLENN: Okay.

20 DR. LI: It's an ICRP publication, a conference
21 publication. So then I copied that page, table, that
22 paper. It's only a four-page paper, a meeting report or
23 something like that.

24 And I realized I have to determine when I got
25 ingested because if I ingested it on Saturday, I get one

1 number; right? And if I got ingested on some day else,
2 then I got another number.

3 So I thought very hard how I can determine
4 which day I got ingested. So after one hour I was thinking
5 at home, I realized since my clothes is still not washed
6 yet -- I was supposed to wash them on Saturday, but I was
7 back late. And it's just overwhelming it seems like.

8 I took out the clothes. And I can arrange it
9 into which day because it's a small bag like this, like two
10 feet or maybe this is one and a half feet, two feet, this
11 big. So the clothes is stacked one about another. And
12 also it's not only my clothes, but my wife's clothes is
13 also interspersed between them.

14 So I can basically reconstruct which day I wore
15 these clothes. It was pretty hot in August. So I have
16 t-shirts. And I remember that. So usually I change every
17 day.

18 So I asked my wife to measure it because my
19 hand is hot, too. If I'm near that count -- so I got a
20 count for each day's clothes. And I found it's started to
21 have radioactivity along the Monday, August 14th, because I
22 always change clothes. In the morning I have a shower. I
23 usually have one or two showers. I only change clothes if
24 I go to work.

25 So this means if that is the earliest time I

1 got radioactivity in that, that will be from Monday around
2 8:00 o'clock to Tuesday, 8:00 o'clock. It's that period
3 something got into my body and started to excrete to my
4 clothes. That's what my conclusion was.

5 Then I put all the clothes in individual bags
6 marked by date. And I brought the whole box of bags into
7 Mitchell Galanek in MIT. So this is -- so we are going to
8 the next day. So it's Monday, Monday.

9 So I talked to Mitchell Galanek about the
10 dosage again. And he said he is going to do a calibration
11 in a minute or something. And I told Mitchell Galanek.
12 And I said, "It's not 10 to 20 microcuries." I said, "It's
13 probably much higher than that." I forgot the number I
14 mentioned to him because I got the date I got ingested.

15 I said, "It's probably Monday." So it's
16 fortunate to have a date. Day five is Saturday. But they
17 don't have a day five in that table. So I can only average
18 day three and day seven for a fraction if they cut the
19 activity levels or investigation levels. So I used that
20 number.

21 I got like -- I believe it's maybe 5 to 700. I
22 can't remember exactly. This I cannot remember what number
23 I told Mitch Galanek. It's much more than 10 to
24 microcuries.

25 And Mitchell Galanek told me, "Yes, yes. It's

1 probably not that. I was on the phone yesterday with --
2 Saturday with Frank Masse. And we are looking at around
3 500 to 1 millicurie." That's what he told me.

4 LEAD INTERVIEWER GLENN: Did you say "micro" or
5 "millicurie"?

6 DR. LI: Five hundred to one millicurie.

7 LEAD INTERVIEWER GLENN: Five hundred
8 microcuries.

9 DR. LI: Five hundred microcuries to one
10 millicurie, yes.

11 So I said -- and then I got really nervous
12 because I know that they told me the annual limit was 600
13 at the Medical Department because they said, "You only have
14 10 to 20. Annual limit was 600 or so. You're far lower.
15 It's no problem."

16 Then I got a little bit anxious because if it's
17 500 to 1 millicurie, it's just off this limit. And also I
18 cannot understand what happened or how can this 500 to 1
19 millicurie go into my head? I hope you understand it's
20 just I was just upset.

21 And Mitchell Galanek said, "At the end of today,
22 I'm going to let you know what the dosage is because I'm
23 going to do calibration today."

24 So then I talked to the lab manager. So I
25 started to suspect probably somebody might have poisoned

1 me. And also I can remember maybe on Saturday they told me
2 there was poison incident in NIH or maybe Monday they told
3 me that.

4 I can't remember which day they told -- either
5 Mitchell Galanek told me which day. I think it's either
6 Saturday or the Monday. So I started to think along that
7 lines.

8 So I talked to a lab manager because I couldn't
9 find -- in the past I couldn't find a new bottle, new vial
10 of isotope, which came in last Monday, last Monday, which
11 is August 13th.

12 LEAD INTERVIEWER GLENN: August 13th.

13 DR. LI: And that vial is August the 19th vial.
14 For some reason, they labeled it several days later. So
15 the activity date is marked on Friday, although they ship
16 it on Monday. So that's -- I asked him to find out who had
17 that vial. I thought --

18 INTERVIEWER MADISON: Would that be Dr. King?

19 DR. LI: Yes, Dr. King. Yes. Dr. Dennis King,
20 yes.

21 So then on that afternoon, on that afternoon,
22 so they go to those -- those calibrations. I had meeting
23 with Frank Masse and Mitchell Galanek. And Mitchell
24 introduced me to Frank Masse. He told me these -- he is
25 the Director of MIT Radioprotection Program or stuff like

1 that.

2 So he interviewed me for about 30 minutes,
3 trying to determine -- I guess trying to determine whether
4 I'm a conscientious people, I'm a clean people, follow
5 regulations and stuff like that. And he finally -- my
6 understanding is he finally believes I'm a person who was
7 very clean, very organized person.

8 Then we started to discuss along the lines of
9 probably it's poisoning. Then he told me he knows the NIH
10 incident. Right from the beginning he was involved. But
11 he didn't want to let MIT people know because he didn't
12 want to have copycats in MIT to do the same thing.
13 Unfortunately, it's probably happening here.

14 They gave me a number, which is 200
15 microcuries. I think it's on Monday, on Monday. I have to
16 check. I have those copies with me. It's 147. So they
17 gave me a copy of how it would be with individual urine
18 samples.

19 LEAD INTERVIEWER GLENN: That's a copy from
20 their records?

21 DR. LI: Yes. They load something, and I asked
22 -- demanded a copy and --

23 LEAD INTERVIEWER GLENN: And the date there is
24 8?

25 DR. LI: 8-20.

1 LEAD INTERVIEWER GLENN: 8-20?

2 DR. LI: Yes. 8-20's unit based on -- because
3 that day probably I think it's Monday, is Monday, yes. So
4 we calculated it's 147 microcuries and another calibration.
5 He got a calibration from that number, but they didn't
6 release the calibration to me because he said he wanted to
7 make sure the first number. I don't know why he wanted to
8 do the calibration again. Anyway, I didn't get the first
9 calibration report with me.

10 So based on all these figures they told me it's
11 probably around 200 microcuries. Then I was quite upset.
12 I said, "Why do you tell me it's 10 to 20 microcuries and
13 now you're telling me it's 200 microcuries, tenfold
14 difference?" Then I told them "Probably it's not 200
15 microcuries. I have my writing here. And I showed them
16 the total is about 6.21 microcuries for that Sunday, 24
17 hours."

18 And Sunday should be day six, I believe. So we
19 have an investigation level from the paper I found in the
20 ICRP publication. And I calculated back. It's about
21 25-fold over the level they assume, which is 1/20th of MI,
22 1/20th of that. So 24.6-fold over 30 microcuries was 740
23 microcuries. So I told them it's probably not 200
24 microcuries thinking from the paper I found. It's 740
25 microcuries.

1 They said, "No, no, no. Your calculation is
2 wrong. And you drink this amount of water. You just flush
3 out a lot probably." It's artificial. Yes. I think
4 that's really all.

5 So they asked me not to flush it because it
6 might artificially increase the number, what will appear in
7 the estimate. And also they asked me, Mitchell Galanek
8 asked me, to give him a copy of that book, of that paper.
9 So I copied the one for him so that they can follow how to
10 calculate it.

11 And I asked a post-doc fellow in the lab to do
12 a curve fitting of that 4 points, 4 points, because they
13 only listed basically 5 points and that day 30 and day 60.
14 So if I want to get each day's investigation, then I have
15 to fit with the curve. So we did a curve fitting at our
16 lab. And I printed out won each day what kind of level
17 will be.

18 And I gave that table also to Frank Masse and
19 Mitchell Galanek. I forgot. I think I gave it to both of
20 them while both of them were calibrating.

21 I can't remember which day I was giving it to
22 them. I have a range between -- I think it's between
23 Monday to Thursday. So it will be 8 21st, August 21st,
24 through August 25th, something like that. I can't remember
25 which date it is. And I told them, "This is the fitting I

1 got. And if you want to calculate the level of this, this
2 is the table you should use."

3 So on that date I didn't agree with them it's
4 200 microcuries, and I said, "It's 740 microcuries." It's
5 probably high.

6 And they said, "Yes." They wanted to do the
7 whole body count again. Okay. And I was just puzzled
8 about why they have to do whole body count again. I
9 demanded to have the calibration data.

10 And I asked Bob. I'm sorry. I don't know his
11 last name. I know his name is Bob. I said I want to
12 cooperate with the whole body counts to get the calibration
13 number. He said he cannot give it to me, he has -- I have
14 to get it from Mitchell Galanek.

15 So I went to Mitchell Galanek, and I demanded a
16 copy of the calibration. He gave me the number. So I
17 calculated it. Sorry. I didn't calculate it. I don't
18 know how to do calculations. So this is a problem.

19 So something I talked to him probably did not
20 happen on Monday because it might happen on Tuesday. I
21 just could have mixed up.

22 LEAD INTERVIEWER GLENN: Okay.

23 DR. LI: So you have to understand this. So
24 the date might not be the next, maybe only one or two days.
25 So then -- so let's --

1 INTERVIEWER ROBINSON: Excuse me just a minute,
2 Doctor. Would now be a good time to just kind of take a
3 little break and reorganize your thoughts? I can get you
4 another glass of water.

5 DR. LI: Yes. Thank you very much.

6 LEAD INTERVIEWER GLENN: Yes. We'll go off the
7 record.

8 INTERVIEWER ROBINSON: It's now 11:14, and
9 we're off the record.

10 (Whereupon, the foregoing matter went off the
11 record at 11:14 a.m. and went back on the
12 record at 11:22 a.m.)

13 LEAD INTERVIEWER GLENN: We're going back on
14 the record, and the time is approximately 11:25.

15 DR. LI: So we just talked about what happened
16 on Monday probably, also Tuesday. I couldn't remember
17 exactly which day it is.

18 And then on Tuesday also another thing I did
19 was I phoned the MIT Medical Department. And I tried to
20 get medical help. So I got an appointment with Dr. Firn,
21 which probably is my private physician. I was very healthy,
22 usually. Probably it's not. I don't have a primary
23 physician. So they assigned one for me. And I --

24 LEAD INTERVIEWER GLENN: Could you spell that
25 name for us?

1 DR. LI: Okay. F-I-R-N.

2 LEAD INTERVIEWER GLENN: F-I-R-N.

3 DR. LI: Yes. Dr. Firn, yes. So he -- I went
4 to see him. And I told him I have radioisotopes. And he
5 referred me to -- and I told him I feel headache,
6 dizziness, and pain bones, pain in my bones, like joint,
7 legs, stuff like that. And he said, "How come you have
8 symptoms?" Because medical records here will show on
9 Saturday when you were admitted to the Radiation
10 Decontamination Room you have no symptoms. So that's what
11 the medical records will say.

12 So I said -- so I wasn't quite sure. How come
13 they concluded already no symptoms? And that person
14 actually didn't check on me. Just I asked him to withdraw
15 blood. He withdraws blood for me. How come he can
16 conclude no symptoms? I didn't look at the medical
17 records, but the point was I was a little bit just
18 wondering why it's -- how come this come out this way.

19 So then he referred me to occupational health
20 doctor. He's actually see occupational health since it's
21 very activity. I think he is a primary internal medicine
22 probably.

23 And I asked him whether I could get sleeping
24 pills because I couldn't sleep. It's totally upside down
25 life was like here. And so many things you have to think

1 about. So he said he couldn't give me sleeping pill. I
2 have to ask the occupational health doctor to get it.

3 And so the next day -- so this is Wednesday. I
4 got appointment with Dr. Firn. And he referred me to Dr.
5 McCunney, M-c-C-U-N-N-E-Y. I think he told me he's in
6 charge of the environmental health on something like that.

7 And he asked me what I have been exposed. I
8 had told him MIT Radioprotection Office was telling me it's
9 probably 200 to 300 and something like that. And he said,
10 "What you are feeling is not a typical symptom of isotope.
11 So probably it's you drink too much water. So the water
12 disrupt your balance. So we should do an iron balance
13 check for you, see whether you're still in balance. Maybe
14 that's the problem you are having." So he did an iron
15 balance and everything.

16 And he was -- I asked him to get sleeping pills
17 again, and he didn't give me sleeping pills. Then he said,
18 "Probably you should see a psychiatrist." So I was
19 referred to a psychiatrist.

20 So I'm not strictly around that date now. I'm
21 trying to finish this line of this medical treatment first
22 because this has happened on that week, too.

23 So I saw the Harvard psychiatrist probably on
24 Friday, on Friday, August 25th. And I saw the occupational
25 health doctor on August the 24th. So I finally got the

1 sleeping pills from the psychiatrist in MIT.

2 So -- and another thing I would like to
3 mention, since it's so difficult for me even to get a
4 sleeping pill from the MIT Medical Department. So I
5 decided to terminate the MIT health insurance I have and
6 switch to my wife's health insurance. So we both asked
7 that health insurance, which is in Harvard Community Health
8 Plan. So we got switched to Harvard Community Health Plan.
9 So all the medical care help I got thereafter was not from
10 MIT. It's from Harvard Community Health Plan. Yes. So
11 this is along the line of the medical health.

12 Another symptom, let's return to the date, the
13 chronological events. On Wednesday -- on Thursday -- on
14 Wednesday -- sorry. On Wednesday so they give me -- August
15 the 23rd I think they finished the second calibration. And
16 I got a copy of that calibration. And we were finally able
17 to calculate from the whole body counts what that will be.

18 They gave me references of how to calculate
19 this metabolic data for phosphorus. And also they gave me
20 the formulas of how to calculate the whole body
21 measurement. And they concluded it's still 200 microcuries
22 as the data they give me on Monday. Effectually it's 213
23 microcuries here, but said it's somehow around 200
24 microcuries.

25 And I said I didn't agree with them. And I

1 told them since I am a scientist, I can look whether you've
2 made mistakes. So I checked the last step by one step with
3 them how they calculated it.

4 So I spotted a place they made a mistake. And
5 I asked, "I see the mistake." I don't know whether they
6 did that intentionally or not. The mistake they made was
7 the whole body counts actually only count me from here to
8 the upper part of the body to the back, not the whole body.
9 Actually, it's not a completed whole body.

10 I asked "What's the percentage of that body
11 part in terms of whole body?" So they told me it's about
12 60 percent of the whole body. So I said, "You should have
13 factored that in, into your calculation." So that's why if
14 you get 213 microcuries divided by .6, I got 355. And I
15 said, "It's not 200. It's 355 microcuries, even if your
16 calculation is correct."

17 And then they said, "Yes, yes, yes." And they
18 said, "Whether -- why you need all this number?"

19 And I said, "Because I cannot make sure myself
20 if someone did this purposefully on me or I just
21 contaminate myself. If it's only 10 microcuries, maybe I
22 could have still have contaminated. If it's 200 micro,
23 it's less likely. If it's 600 microcuries, it's impossible
24 I would have contaminated myself." So I said, "I want to
25 go to police. I need official data from you so that I can

1 convince the police something happened here, a crime
2 happened here."

3 So he said, "You can go to the police for it's
4 this 355 microcuries."

5 And I phoned the MIT police. And I said, "I
6 want to report a crime. I want to schedule appointment
7 with a police officer." So I think I had a meeting with a
8 police officer on Thursday, August 24th, to ask for
9 investigation.

10 So I'm pretty convinced at that point it's
11 probably a deliberate poison since I have other unhappy
12 incidents associated with this. So I gathered all the
13 evidence about the unhappy incidents I had in the past
14 maybe 12 month. I tried to give this all as evidence for
15 police to investigate along those lines.

16 So I talked to -- excuse me. Let me find the
17 notebook. So I talked to campus police officer David
18 McCoy, M-c-C-O-Y, August 24th, '95 at 2:00 o'clock in the
19 afternoon. And we talked about this incident.

20 And he asked me to write a report of what I
21 have talked to him about, the thing I briefly described to
22 you in the past hour, something like this. And he said he
23 has to digest it all, too, because radioactivity is
24 something new to police officers. So definitely it's
25 something.

1 And also I told the police officer "Since I'm a
2 little bit tired and also I'm on the verge of recovering,
3 let me collapse. I cannot remember exactly what I say. I
4 probably will take longer time to finish the police
5 report."

6 And he said, "You have to bear with us, too.
7 We have to learn all this radioactivity knowledge." So
8 that's what we mainly discussed over the about one and a
9 half-hour period in the MIT Police Department. So I asked
10 for an investigation of this incident. And I said it's
11 probably poisoned me because there's no way I could get 355
12 microcuries into my body myself. I'm quite confident. I
13 was quite confident at that point.

14 Another thing I forgot to mention, on the
15 previous day, on Wednesday, August 23rd, I also discussed
16 with Francis Masse about the dosage. Since on Saturday we
17 have two data points, one 8,000 counts in 1 ml urine, one
18 is 30,500 in 1 ml at different time points -- it's two time
19 points. So we average that to get 10,750.

20 And we assume it's 1,400 ml urine per day. I
21 think it's a standard reference volume in that paper. And
22 we got a total number of microcuries as 6.8 microcuries for
23 that day of the excretion. And then we divide by the
24 investigation level. We got it's 23-fold over the 1/20th
25 of ALI.

1 And I told him this is 690 microcuries. If
2 it's 30 microcuries, 5 percent of ALI. So if it's 23-fold
3 over that, then it's 690 microcuries. So I said it's over
4 the 600 microcuries. And he said, "We still need to get
5 more data to prove that." So that's something I forgot to
6 mention. And I went -- I'm looking at the notebook.

7 So this is what happened on Thursday. I talked
8 to police. And also I have a meeting with Don Haes and
9 Mitchell Galanek and also Frank Masse about the dosage
10 again. So they gave me the readouts for the second
11 calibration. And the second calibration came out lower
12 than the first calibration. So it gave you 10 percent
13 lower calibration on it. So you put estimate about maybe
14 around 10 percent lower of that number.

15 I don't know why they used second one, instead
16 of first one. They told me they got the isotope from
17 another lab. They didn't order the isotope from Yanyan
18 directly. So there might be some uncertainties there. So
19 that's another thing I noticed.

20 I'm trying to check whether the first one is
21 more accurate or not.

22 LEAD INTERVIEWER GLENN: Did they actually give
23 you a number the second time based on the second
24 calibration?

25 DR. LI: Yes, yes. I'm looking for it. I have

1 a number for this based on the second time calibration. So
2 I had a quite long session on August the 24th with Don
3 Haes, Mitchell Galanek, and Frank Masse.

4 So the first -- they first gave me a number of
5 388 microcuries. And this is a number. Then we -- I point
6 -- as usual, I pointed out a few places they made
7 assumption wrong.

8 For example, they assumed urine is the only way
9 you get rid of the radioisotope. And I asked them what
10 else you can get rid of the isotope. For example, you can
11 have sweat out, and you can other ways of excretion. And
12 is urine the predominant one, in the 100 percent? They
13 couldn't tell me. So I said, "I cannot accept that because
14 you don't know what's the percentage of that," yes. So
15 that's one thing we argued.

16 The second thing is they told me a fraction of
17 that body parts is 65 percent of the total body in 60
18 percent of the total previously. And I asked why they got
19 that number. They told me it's based on their 20-year long
20 of research.

21 And I asked specifically whether they have did
22 a calibration, have a real example of someone who just did
23 a piece of it, too, to verify your model is okay. They
24 said that no, they don't have but they have another
25 isotope. I think it's SCRTCH. I cannot remember exactly

1 the isotope.

2 They said, "This isotope deposits the same way
3 as P-32. So the same data should apply to the P-32." And
4 I told them that probably isn't -- it's not accurate
5 because I think I will be more convinced if I'm drinking,
6 let's say, 30 microcuries into my body, I wait five days,
7 and I sit here and get a count. Then that's a more
8 accurate estimate. Right now it's difficult to get that.

9 So I said I have reservations about the obvious
10 calibration, way of calculation. Nevertheless, we went on
11 with those calculations. And it's just that we got a
12 number of about 400 microcuries. Let me get those papers.

13 Oh, one thing I'm not so sure is probably we
14 didn't calculate the whole body because I can't remember
15 exactly because I mentioned all these other fractions. I
16 think they calculated the whole body. Probably it's about
17 the same number of the urine number.

18 The urine number they give me is 338. So it's
19 close to that. It's probably 355, yes, 355 if you divide
20 by lab. So I probably have a copy in my record, but I just
21 cannot find out.

22 LEAD INTERVIEWER GLENN: But you're saying
23 generally that they're giving you a similar number for --

24 DR. LI: Similar number for the urine. This is
25 my impression. I'm not 100 percent sure. I have to

1 confirm these with my material. Okay?

2 So then I calculate with them again with the
3 urine model with the paper -- I found out and I give it to
4 them. And we found the -- it's a new number I showed them.
5 It's a new number. It should be 656 microcuries again
6 based on the more data we got calculations. I said, "This
7 is over 600." This, again, is 656 microcuries.

8 So we didn't agree on the number. They insist
9 it's 400, and I said it's 650, maybe 750 microcuries
10 because the previous one I mentioned is 740 based on one
11 calculation. So somehow we didn't make -- get agreement
12 with some numbers.

13 And our lab manager suggested to me I could ask
14 -- instead of fighting with Radioprotection Office to get
15 the number straight, I could start to get through another
16 channel; for example, whether I should talk to Dr. Sharp,
17 who is Chairman of Department of Biology. And we --
18 although we working same for cancer research, we also are
19 Department of Biology.

20 I thought it's nice idea. And, actually, Dr.
21 Sharp I believe had spent time, was also confident about
22 these things. So somehow we arranged to have a meeting on
23 Friday, August 26, so on Friday, August 26, around noon.

24 So Dr. Sharp organized a meeting where it's
25 Dennis King present, Maya. I only know the first name.

1 Maya may be last name or first name. She's maybe a senior
2 administrative assistant in Cancer Center. And also Frank
3 Masse was present, and Mitchell Galanek was present.

4 So I asked -- or they asked me whether,
5 Mitchell, I can attend or I can choose not to attend but
6 then later to speak to Dr. Sharp privately. And I asked I
7 wanted to be present. I don't want to speak anything, but
8 I just want to make sure everything was -- they speak was
9 right. So they said I can attend and just listen to them.
10 So I attended the meeting between Dr. Sharp and -- between
11 Department of Biology and Radioprotection Office officers.

12 So Frank Masse mentioned what they described as
13 line of incident happened. So I think on two accounts they
14 -- on two things they didn't describe it right. So I made
15 a notebook.

16 The first thing is they said on Saturday we
17 realized it's several hundred microcuries. So later I told
18 Dr. Sharp it's not true. On Saturday what they told me was
19 10 to 20 microcuries, not several hundred microcuries.

20 And the second is he said he is drinking lots
21 of fluids on his own. In other words, Radioprotection
22 Office didn't instruct me to drink lots of fluids. And I
23 don't think this is true.

24 I forgot to tell you when I talked to Dr. Firn,
25 my internal medicine physician doctor, he asked me,

1 "Although I don't know how to treat you, I have to refer
2 you to the occupational health doctor. But probably you
3 should drink lots of fluids." So I'm not drinking fluids
4 on my own. I have doctor instruction with me. So that's a
5 second thing I don't think he said correctly.

6 And the third thing, he -- the third thing I
7 noticed was the NIH incident. I believe I asked Dr. Masse
8 about it because during a previous discussion when I
9 mentioned based on the urine calculation it's 656 or 740,
10 they always telling me "Urine model is not good. Whole
11 body model is best, most accurate way of measuring it."

12 And I asked them, "In NIH, when they reported
13 it's 200 microcuries, what kind of method they used?" And
14 they said, Frank Masse said, he didn't know. But in that
15 meeting when Dr. Sharp asked Dr. Masse -- I'm not sure
16 whether he's a doctor now -- Frank Masse about the way NIH
17 was measured, Masse, Frank Masse, stated they used urine.
18 So this is the first time.

19 I was quite shocked because I was under the
20 impression the urine method was not good. How come -- and
21 I believe they didn't know NIH, what kind of method they
22 used for NIH. But suddenly they are telling Dr. Sharp in
23 NIH they used urine model. Then my calculation should be
24 correct because I used the urine model, too. So it's about
25 650 to 700 microcuries. So this is another thing I

1 noticed.

2 So this is some -- and also they discussed
3 other things. Another thing is Frank Masse mentioning in
4 the meeting he asked me to stop flushing myself and drink
5 lots of water, fluids. He said that would artificially
6 give me a higher number, double estimate.

7 So I agreed to not to drink a lot. So it
8 probably would be normal. So after I think starting from
9 August the 25th or 24th I no longer drink a lot of water.
10 I try to stay. So I wanted to get a more close estimate of
11 what it was.

12 So after that afternoon at 5:15 I had another
13 appointment with Dr. Sharp to express my version of what's
14 going on. So I complained about how things happened to me
15 in the past week, in the week previous to that.

16 And I complained about the dosage problem. On
17 Saturday they told me it's 20 microcuries. On Monday it's
18 200. And on Wednesday it's 200. And later it corrected to
19 355 because I spotted they forgot to fraction to the body
20 fraction back to calibrate back into the whole body.

21 And I complained about the incompetence of
22 handling even the dosage estimate. And they were trying to
23 push down the number because, as I told you, on Monday
24 Mitchell Galanek told me on the phone on Saturday on the
25 phone, when they were talking to each other, they said it's

1 500 to 1 millicurie. And now they are trying to push down
2 the number. So that they are not going to give me the
3 right number.

4 And I said, "This is not supposed to be because
5 I expect the Radioprotection Office work up a model with me
6 to tell me how to calculate it. Instead, I spend almost
7 several hours in my computer finding the papers and getting
8 the model how to calculation back. And I'm feeding that
9 information how to calculate that." And I told Dr. Sharp,
10 "I think it's incompetent for radioprotection officer to
11 act like this."

12 And also I asked Dr. Sharp to have a third
13 party, independent party, involved regarding my level of
14 radioactivity so that I can get an accurate assessment
15 because I have been experienced with these mistakes from
16 the beginning almost. Whether it's 200 or 400, it's just
17 too complex for it.

18 And the last thing about dosage, I talked to
19 Dr. Sharp. I said, "Their model is wrong because" -- I
20 didn't elaborate why it's wrong, but I can. What is wrong
21 with their model is if you put their everyday into their
22 model, you get increasingly lower estimate every day. And
23 the reason they get increasingly lower data is they forgot
24 to put the decay factor into their model. Okay?

25 So, actually, I asked a post-doc in our lab,

1 "We put every day's estimate into computer." And then you
2 can actually build up a curve fit. And you get 500 curve,
3 like exponention curve, with minimum of 507 microcuries at
4 today's unit, assuming you can get to trace it back to day
5 zero. I know it cannot because on day zero, on day one,
6 the model does not fit. So probably the whole body model,
7 even if calculating their way, points to about 600
8 microcuries.

9 So I complained of these four things to Dr.
10 Sharp about the dosage and the -- also I complained about
11 the medical treatment I've had in the past week with MIT
12 Medical Department. I told Dr. Sharp it took me three
13 appointments to get sleeping pills, almost five days to get
14 really a sleeping pill to help me to sleep.

15 And the advice I got from doctors and the
16 advice I got from Radioprotection Office is conflicting,
17 for example. See, the doctor from Medical Department told
18 me to flush with lots of fluids, it help me to get rid of
19 isotope. And the Radioprotection Office is asking me not
20 to flush, that type of things. I'm just quite at a loss
21 what I can do with this. And I'm not an expert.

22 And the third thing is I believe the
23 confidentiality of me was violated between patient and a
24 doctor because I was upset. Before the occupational
25 healths doctor even see me, they already know I was

1 flushing a lot with liquid fluid.

2 And the occupational health doctor didn't check
3 blood, what's the blood count I have, red blood cell or
4 white blood cell I have. He checked only for iron balance
5 of me. So I think it's just not ordinary because if you
6 are a doctor, you should check first whether the blood is
7 -- white blood cell is in the body or not.

8 You shouldn't talk a lot about my receiving
9 health care with the personnel in the Radioprotection
10 Office. That's what my feeling about. Now I don't think
11 so because probably for occupational health doctor to
12 receive assessment of what's going on, they have to talk to
13 the people involved. But at that point I thought the
14 doctors shouldn't talk about the patients' information to
15 someone outside of the Medical Department.

16 LEAD INTERVIEWER GLENN: Can you clarify a
17 little bit what your concern is that you think the doctor
18 shared too much --

19 DR. LI: Of my information.

20 LEAD INTERVIEWER GLENN: -- of your information
21 with the Radioprotection Office?

22 DR. LI: Office, yes, yes. That's what my
23 concern was, but right now I don't think that might be a
24 concern right now because I went to Harvard Community
25 Health Plan. They also have to talk with MIT a lot to get

1 what's going on. But at that point, actually, I complained
2 of these. I just give you all the facts.

3 The last thing I complained about the medical
4 treatment is when I had meeting with occupational health
5 when I complained what I feeling, dizziness, feeling the
6 pain over the back, other thing, shortness of breath, stuff
7 like that, weakness, he always telling me "These symptoms
8 is not radioisotope-related. So I don't think this is
9 right away doing this" because he does not know even what
10 the real dosage is. He just assume everything should be
11 okay.

12 This is -- I don't think is scientific from my
13 point of view because I just -- I was just naive. I didn't
14 see a lot of doctors. I was healthy. So I was thinking
15 along science, scientific, scientist view of how to handle
16 this situation. I might be wrong. At that point I thought
17 so. So I complained also about that.

18 Another thing I complained about, in addition
19 to the dosage problem and the medical treatment I had
20 possibly, another thing I complained about, the procedure
21 was unclear for me; for example, how if I got this type of
22 accident I couldn't find anywhere in the procedure they'll
23 say what you should go through the Medical Department to do
24 what claim for what, no instruction at all. I just was
25 quite at a loss.

1 Meanwhile I have to think very hard what the
2 real dosage is, why they are saying the urine model is not
3 correct, what the whole body model is like. I'm not an
4 expert in this. You should understand that. It's just too
5 overwhelming for me to handle all of these things. So I
6 complained.

7 As a result, this -- because of the procedure,
8 the police is also -- is waiting for the report, stuff like
9 that, and the dosage is unknown. So it's like a circle.
10 Because the dosage is unknown, the medical -- the doctor
11 cannot assess what is going on because the dosage might be
12 changed in the future.

13 And the police were also depending on the
14 dosage, too, because it's 200 microcuries probably you got
15 yourself. You don't bother to ask us to investigate all
16 these things. So it's just a whole complex mess in there.
17 And I was just hitting the wall around me of all of these
18 things.

19 And I complained as a result of this unclear
20 procedure. And as a victim I'm further treated
21 unprofessionally. And I was not treated fairly on this.
22 So that's what I complained with Dr. Sharp at the 5:15
23 meeting on August 25th.

24 So later I said to MIT -- Dr. Sharp asked me
25 whether Harvard Radioprotection Office is comfortable to do

1 this with me. And I said, "That's fine."

2 He said, "I don't know whether they have
3 connection between Harvard and MIT. Just pick randomly."

4 I said, "That's fine." So they referred me to
5 Dr. Joe Ring in Harvard Radioprotection Office to help me
6 to understand this. And I think -- and I think there might
7 be a misunderstanding at this point because what I
8 originally asked was to have a third independent party to
9 measure my level. They actually assigned someone to
10 calculate this level. Okay?

11 And second misunderstanding is I asked,
12 actually asked, "Since I am not expert in understanding
13 this whole body model thing or urine model, which one is
14 more accurate?" So I asked. I needed to have access to
15 someone who is an expert who can guide me through to
16 understand all of these things so that when I argue all of
17 these with MIT Radioprotection Office, I'm more
18 experienced, I'm more knowledgeable so that I know what
19 they are saying is correct or not.

20 But, as a result, they understand it and they
21 need an independent consultant to calculate the input for
22 me. That was not my original request. My original request
23 was to have a third independent party to measure my, for
24 example, urine model or urine counts and whole body counts
25 because you don't know. Maybe your urine counts they can

1 give you lower counts if you give them urine. So -- but
2 since --

3 LEAD INTERVIEWER GLENN: I'm sorry. Basically
4 you were looking maybe for someone to take the same urine
5 samples and run them on another set of equipment and see if
6 they get the sam thing.

7 DR. LI: Yes, yes and also maybe another whole
8 body count because for the past week, for the week I
9 experienced, I sensed that they were trying to push down
10 the number because the number keeps increasing.

11 It's like when I go to a car dealer, I start at
12 the low end and they start at the high. We mix in to a
13 middle point. So that's what my feeling was. So that's
14 what basically happened on that week.

15 Another thing I should said is during --
16 throughout this whole week my supervisor was away, was not
17 at MIT.

18 LEAD INTERVIEWER GLENN: Is that Dr. King?

19 DR. LI: No. The supervisor is Dr. Professor
20 Tonegawa.

21 LEAD INTERVIEWER GLENN: Okay.

22 DR. LI: Dr. King is the general lab manager in
23 the -- he does not do research. He just takes care of all
24 the daily operation of the lab.

25 So he was in Japan. He came back, actually,

1 Friday or Saturday, August the 25th or August the 26th,
2 25th or 26th.

3 So on Monday, so on Monday, Dr. Tonegawa phoned
4 me at home. He asked me to have appointment with him so he
5 can talk to me about what's going on. And I asked him when
6 I -- because I was very weak at that point after week of
7 exhaustion.

8 It's just too much for me. I never expect to
9 have such a big trouble to deal with this. You have to --
10 basically you're relying on your own. I thought I can get
11 help from Radioprotection Office to determine the dosage,
12 but I couldn't. That was my feeling.

13 And the Medical Department, the doctors in MIT
14 Medical Department, is basically saying, "You're okay"
15 except the psychiatrist, who was a help to solve this
16 crisis. And also I have to switch the medical insurance
17 and stuff.

18 It's just too much. So I feel weak, sick,
19 actually. I stayed at home to take a rest. That's why I
20 asked Dr. Tonegawa whether I can talk to him over the
21 phone. He said, "No. You -- it's better to talk to you in
22 person."

23 So I went to MIT to see Dr. Tonegawa, my
24 supervisor. So that's 2:00 to 3:00 o'clock in the
25 afternoon. This is August 28th. So he -- we discussed

1 several things about what happened, about several things,
2 about several points which were particularly upsetting to
3 me.

4 First, he asked me to think about what happened
5 and then what my goal is, what my goal is to know the
6 direct number of dosage; in other words, why you are
7 curious to know the exact dosage. What's your goal? You
8 think you should see clearly harm? He couldn't understand
9 why I want to know the dosage.

10 So I think of the reason I wanted to know
11 dosage is if it's about 600, then someone could have done
12 this, probably will get a harsh treatment, a harsh
13 punishment in terms of sentencing and a conviction. So
14 that's one reason I wanted to know the correct dosage. And
15 also I have to report to police to convince the police
16 someone did this to me, not I accidentally caused it
17 myself.

18 And the second thing I wanted to know the real
19 dosage is if something happened to me 5 or 10 years down
20 the road, if it's over the limit, I can come back to MIT
21 and say, "Look, this exposure, probably it's a recurrence
22 of the previous incident." So it's also related to my
23 health. So that's why I was pursuing that.

24 So this is the first thing he asked me. So he
25 said, "In other words, you are doing something -- my

1 impression is you are planning. You are doing something
2 ridiculous. Why you bother to know the dosage? It must be
3 important."

4 And the second thing, he asked me to think is
5 to think of my long-term goals and to get over this
6 quickly. In other words, "You shouldn't be stuck in this.
7 You should be thinking on what's your long-term goal.
8 Don't bother with small things like this."

9 So I think I perceived this as two ways of --
10 although he may mean it different, it's just my impression
11 or perception. I think first is this is not a big deal.
12 Even if someone poisoned you, so what? You get poisoned.
13 It's only 600 microcuries or maybe, even if you are
14 correct, 700 microcuries.

15 Second perception I have at that time was if
16 you are trying to get a lot off from these, you might have
17 trouble in your future because you need to get
18 recommendation letters. And I cannot risk these
19 relationships.

20 So this was my perception. I may be wrong.
21 Maybe he means differently. So I perceive it that way.
22 Certain things he told me, to find out who did it to me is
23 not going to help me to recover psychologically and
24 physically, focus on my health first. So this is the sort
25 of thing he told me.

1 And I thought differently after that point
2 because I thought I was very angry that someone did this to
3 me. Maybe it might be 700 microcuries according to my
4 urine model.

5 And I didn't know what the health effect would
6 be. I thought it naively because I'm a molecular biologist
7 because the phosphorus can go into the DNA. And if it
8 decomposes, the DNA can be cut off at that point. So it
9 might create mutation at that point. So I think it's a
10 serious thing to have several hundred microcuries in my
11 body. So that's not so good.

12 And the fourth thing he told me, so he said,
13 even if I find it out, who did this to me, my name will
14 have a connotation that somebody did this to me, it will
15 not help my reputation because whenever someone else in the
16 field will mention my name, then they will always think of
17 these things that "He was poisoned by bah in the lab." So
18 bah even risks something to do this to me. So I must be
19 bad, and that's what this means. Right?

20 And since I'm going to be a faculty member in
21 the University of Illinois. So this reputation is not
22 going to help me to attract graduate students in University
23 of Illinois. So that's what he said. You know, they may
24 always think of this incident as a marker on me. They will
25 always think of "This person was poisoned by a colleague.

1 So he must be bad." That's what I perceived. Okay?

2 The fifth thing he told me is that if I can't
3 find out who did it, to me it will be worse than I find it
4 out. Then people will have different various speculation
5 about these things, which is right, I realize now, because
6 I released MIT news release from MIT News Department.

7 And they said it's either accidental or
8 deliberate. So even to now MIT is not acknowledging this
9 deliberate act of someone poisoning me. They still think
10 it's possible I accidentally contaminated myself. So I
11 will have an image in the field I am doing experiments so
12 sloppily I will even get 600 microcuries into myself.

13 That's the really trouble for me because if I
14 go to the University of Illinois, if graduate students know
15 I accidentally can ingest 600 microcuries into my body, no
16 one will work for me. No one will do a Ph.D. in my lab
17 because of -- because I'm so sloppy to get 600 microcuries
18 in my body.

19 I think his advice is right. It's happening
20 right now. And I still cannot figure out whether it's
21 accidental ingestion or it's just deliberately poison. I
22 don't have hard evidence to prove that. So all of these
23 things were particularly upset. So that's why I loaded the
24 after the meeting.

25 So then I had an appointment with Frank and

1 Mitchell, Frank Masse and Mitchell Galanek, about the
2 dosage again, discuss with the dosage. Basically we
3 agreed. We agreed we have to collect some technical
4 detail. Let me see. No. I remember now. Yes.

5 So technical detail we discussed was -- so we
6 basically agreed previous, I think on the previous
7 Wednesday, maybe Thursday that in order to get accurate
8 number, we have to do 24-hour urine, instead of just get a
9 concentration and times 1,400 ml. So to do a 24-hour
10 urine.

11 But we have some argument over how to get the
12 24-hour urine because if I urinate at 10:00 o'clock -- so I
13 did something like I cut off at 12:00 o'clock to 12:00
14 o'clock. I don't care where my urine is.

15 They say it's not fair to get a real number
16 because if you urinate at 10:00 o'clock and then again at
17 1:00 o'clock, actually what you collect might be not
18 exactly 24-hour urine because if you urinate at 10:00
19 o'clock, you start urination from 10:00 o'clock again.

20 So if you count as of from 12:00 o'clock, you
21 actually have an extra two hours you'll be measuring in
22 that vial. So that's not so accurate. So please urinate
23 at 10:00 o'clock, then collect afterwards, and then do that
24 again so we will get the correct number for you. So that's
25 what they said. Otherwise we cannot say this number is

1 correct or not.

2 So that's why starting from that day we did a
3 very accurate printing on our urinary collection. But
4 before that it was not accurate. It might be 10 percent
5 off the correct number.

6 So this I believe is what mainly discussed on
7 that day with Frank Masse, Mitchell Galanek. I don't have
8 a note of what we really discussed. So that's based on my
9 recall of it.

10 Then at the 5:00 to 6:00 o'clock -- well,
11 actually, it was from 2:00 to 3:00 o'clock. When I talked
12 to my supervisor, he asked me to come back again to talk to
13 him because from 3:00 o'clock he was supposed to talk to
14 the Radioprotection Office people. So he said he is going
15 to talk to me after that.

16 So we had another appointment with -- we talked
17 again. I talked again with Dr. Tonegawa about the
18 incident. So he told me after talking to the
19 Radioprotection Office people, he told me there is --
20 probably there is no treatment. Even if I got over 600,
21 it's too late to get medical treatment. There is no help
22 you can get.

23 And the second is he told -- secondly, he told
24 me his -- he asked me another incident, which is my file
25 was deliberately deleted in the computer. I didn't mention

1 before this thing happened I have an imaging file in the
2 computer, in the lab computer. Someone purposely did it.

3 LEAD INTERVIEWER GLENN: And from what you said
4 before, this would be the same as if somebody was
5 destroying the X-ray film.

6 DR. LI: Yes, yes.

7 LEAD INTERVIEWER GLENN: They're using a
8 different technology.

9 DR. LI: Yes, yes. It's image file is an X-ray
10 film. So I lost that file because some -- I even protected
11 it. I put that file under protection. So someone
12 deprotected it and then deleted it purposely. So this is
13 -- he asked me what that is.

14 And the third thing he asked me is I also
15 reported another incident to police. Someone changed my
16 instruction for experiment. So the experiment went bad,
17 failed because the code was changed.

18 So you need a series of code to execute that
19 instruction. If you have a people familiar with biology,
20 it's a DNA gene you have a code, the TGCATGC. So someone
21 changed the one code in the lab. And, as a result, I got
22 the wrong code. I got the gene right. So this I was to
23 follow up on it through police.

24 So also he discussed with me what kind of
25 conflict I had and what kind of fights we had in the lab

1 with other members who might have done this to me. And we
2 mentioned a few names, possible but --

3 INTERVIEWER ROBINSON: Who were those names?

4 DR. LI: Is it going to be released to public?

5 INTERVIEWER ROBINSON: Well, if we discuss it
6 here, it will be in the transcript.

7 LEAD INTERVIEWER GLENN: It will be in the
8 transcript.

9 DR. LI: Yes, yes. We discussed whether Dr.
10 Zhuo Qian might be involved in this.

11 INTERVIEWER ROBINSON: First name?

12 DR. LI: Is Z like X-Y-Z.

13 INTERVIEWER ROBINSON: Oh, okay.

14 DR. LI: Z-H-U-O.

15 INTERVIEWER ROBINSON: Last name Ching?

16 DR. LI: Qian, Q-I-A-N, Q-I-A-N, Q, yes.

17 Q-I-A-N, yes. So he said he might be not able to do that.
18 He knows he does not have the guts to do this, something
19 like that, he told me.

20 And also he asked me another. He asked me not
21 to publicize this because I think he knows from talking to
22 Radioprotection Office if I keep asking for the right
23 number probably this will be publicized.

24 And I think it's true, actually, now we have
25 seen the use. So he said I shouldn't publicize this

1 because my reputation will -- my reputation will be damaged
2 because he thinks if people usually -- he said people
3 usually thinks if there is smoke, there is fire. In other
4 words, it's always difficult to identify who is responsible
5 for this.

6 INTERVIEWER ROBINSON: Excuse me. I must have
7 missed. Who is telling you this?

8 DR. LI: My supervisor.

9 INTERVIEWER ROBINSON: Your supervisor?

10 DR. LI: Yes.

11 INTERVIEWER ROBINSON: Mr. Tonegawa?

12 DR. LI: Yes.

13 INTERVIEWER ROBINSON: Okay.

14 DR. LI: So I'm talking about the appointment
15 with Dr. Tonegawa, 5:00 o'clock to 6:00 o'clock.

16 LEAD INTERVIEWER GLENN: Yes. There were two
17 sessions that day; right?

18 DR. LI: Yes. This is the second session.

19 LEAD INTERVIEWER GLENN: Yes.

20 DR. LI: Because generally people -- he said
21 generally people believe if there is a smoke, there is a
22 fire. So if someone did this to you, he must be -- in
23 other words, I perceive you must be so bad he wanted to
24 poison you. So that's what detail is there is fire. If
25 there is smoke, there is fire, meaning that's my

1 perception, yes.

2 And I told Dr. Tonegawa even if I didn't
3 publicize it, my friend at MGH, Mass. General Hospital,
4 already is phoning me, asking me what's going on with my
5 radiation exposure because things like this travel ver
6 fast. I didn't purposely talk. I was trying to keep
7 quiet.

8 INTERVIEWER ROBINSON: It's 12:18. We'll go
9 off the record for a minute.

10 (Whereupon, the foregoing matter went off the
11 record at 12:17 p.m. and went back on the
12 record at 12:27 p.m.)

13 LEAD INTERVIEWER GLENN: We're going back on
14 the record. The time is approximately 12:30.

15 At this point in discussions we've had, I think
16 it's been determined that it might be appropriate to break
17 the narrative off at this point, give everybody a chance to
18 rest up and recover a little bit. And we've agreed to
19 resume the interview again tomorrow at approximately 9:00
20 o'clock in the morning. So that if Dr. Li can accommodate
21 us there, we'd appreciate that very much.

22 Before we close this session, I'd like to
23 review with Dr. Li the documents that he brought with him
24 and identify those which we would like to have submitted
25 for the record of the incident investigation team. Could

1 you briefly? You had some records there in terms of
2 surveys that had been done, your copies of the results.

3 DR. LI: Yes, yes. Let me go through the
4 records. I have some. You want to go through all the
5 records on --

6 LEAD INTERVIEWER GLENN: No, no. I think we
7 can describe the types of records that you have. And then
8 I'll ask that you give copies to us.

9 DR. LI: Okay. The type of thing I have is the
10 original scintillation count printout either from MIT or I
11 did it myself; and also some discussion of the dosage with
12 MIT Office of Radiation Protection, whether it's 200 or
13 400; and also the calibration data of the whole body
14 counts; and also the notes I took when I have meetings with
15 either the supervisor, Dr. Sharp as department chairman,
16 this type of thing.

17 LEAD INTERVIEWER GLENN: Now, you had
18 referenced at one point in your narrative an ICRP document.

19 DR. LI: Yes.

20 LEAD INTERVIEWER GLENN: We don't need a copy
21 if you can actually tell us the title.

22 DR. LI: Yes. I have a copy of that. I have a
23 copy of that paper I can give you.

24 LEAD INTERVIEWER GLENN: Okay.

25 DR. LI: And also I have documents about code

1 fitting I did, we did ourselves in the Cancer Research Lab
2 to get investigation on the urine model. And I submitted a
3 copy also to Radioprotection Office the first week.

4 LEAD INTERVIEWER GLENN: Okay. So if you could
5 provide those records fairly promptly so that the team
6 could have a chance to review them before tomorrow's
7 meeting?

8 DR. LI: Yes. Sure. We can do it right now.

9 LEAD INTERVIEWER GLENN: Okay. Do you have
10 anything else you think needs to be said now or --

11 DR. LI: No. I can talk tomorrow.

12 LEAD INTERVIEWER GLENN: Okay. At that point
13 we'll cut it off.

14 INTERVIEWER MADISON: The only thing, we want
15 to make sure we give Dr. Li a copy of Guideline 2.1 now so
16 that he can review that.

17 LEAD INTERVIEWER GLENN: Yes.

18 INTERVIEWER MADISON: It basically repeats what
19 Dr. Glenn told you at the beginning about the transcripts
20 and about the interview.

21 DR. LI: Okay. Yes.

22 LEAD INTERVIEWER GLENN: Okay.

23 INTERVIEWER ULLRICH: Do you need a copy of
24 that?

25 LEAD INTERVIEWER GLENN: I had a copy, but --

1 INTERVIEWER MADISON: We'll get one.

2 LEAD INTERVIEWER GLENN: We'll provide you with
3 that copy before you go out.

4 DR. LI: Don't worry. I can get it tomorrow.

5 LEAD INTERVIEWER GLENN: So at 12:34 we'll
6 close this part of the interview.

7 (Whereupon, the foregoing matter was recessed
8 at 12:31 p.m., to be reconvened on Thursday,
9 October 19, 1995 at 9:00 a.m.)

C E R T I F I C A T E

This is to certify that the attached proceedings before the United States Nuclear Regulatory Commission in the matter of:

Name of Proceeding: INTERVIEW WITH DR. YUQING LI

Docket Number: --

Place of Proceeding: Cambridge, Massachusetts

were held as herein appears, and that this is the original transcript thereof for the file of the United States Nuclear Regulatory Commission taken by me and, thereafter reduced to typewriting by me or under the direction of the court reporting company, and that the transcript is a true and accurate record of the foregoing proceedings.

K. Wood
Official Reporter
Neal R. Gross and Co., Inc.