

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

DEPARTMENT NO. 104

HON. CHARLES H. OLDER, JUDGE

THE PEOPLE OF THE STATE OF CALIFORNIA,

Plaintiff,

vs.

CHARLES MANSON, SUSAN ATKINS,
LESLIE VAN HOUTEN, PATRICIA KRENWINKEL,

Defendants.

71

No. A253156

REPORTERS' DAILY TRANSCRIPT
Wednesday, August 26, 1970
A. M. SESSION

APPEARANCES:

For the People:

AARON H. STOVITZ and
VINCENT T. BUGLIOSI,
DEPUTY DISTRICT ATTORNEYS

For Deft. Manson:

I. A. KANAREK, Esq.

For Deft. Atkins:

DAYE SHINN, Esq.

For Deft. Van Houten:

RONALD HUGHES, Esq.

For Deft. Krenwinkel:

PAUL FITZGERALD, Esq.

VOLUME 71

PAGES 9046 to 9128

JOSEPH B. HOLLOMBE, CSR.,
MURRAY MEHLMAN, CSR.,
Official Reporters

COPY

I N D E X

PEOPLE'S WITNESSES: DIRECT CROSS REDIRECT RECROSS

TEBBE, Helen A.	9047	9059 (Sh)
GRANADO, M. Joseph (Cont'd)	9073	

E X H I B I T S

PEOPLE'S: FOR IDENTIFICATION IN EVIDENCE

192 - Envelope containing vial with hairs inside	9050
193 - Paring knife	9114
194 - Piece of rope	9121
194-A - Piece of rope	9124
194-B - Piece of rope	9124
27 - Substitution of enlargement	9091
122 - Substitution of enlargement	9095

1-1

LOS ANGELES, CALIFORNIA, WEDNESDAY, AUGUST 25, 1970

9:50 A.M.

---o---

THE COURT: All parties, counsel and jurors are present.

You may proceed, Mr. Bugliosi.

MR. BUGLIOSI: Your Honor, may I call Sheriff's
Deputy Tebbe out of order and then recall Joseph Granado
to the witness stand?

MR. KANAREK: That's agreeable.

MR. FITZGERALD: No objection.

MR. HUGHES: No objection.

MR. SHINN: No objection.

THE CLERK: Raise your right hand, please.

Would you please repeat after me.

I do solemnly swear --

THE WITNESS: I do solemnly swear --

THE CLERK: -- that the testimony I may give --

THE WITNESS: -- that the testimony I may give --

THE CLERK: -- in the cause now pending --

THE WITNESS: -- in the cause now pending --

THE CLERK: -- before this Court --

THE WITNESS: -- before this Court --

THE CLERK: -- shall be the truth --

THE WITNESS: -- shall be the truth --

THE CLERK: -- the whole truth --

THE WITNESS: -- the whole truth --

1 THE CLERK: -- and nothing but the truth --

2 THE WITNESS: -- and nothing but the truth --

3 THE CLERK: -- so help me God.

4 THE WITNESS: -- so help me God.

5 THE CLERK: Would you be seated, please.

6 Would you please state and spell your name.

7 THE WITNESS: My name is Deputy Helen A. Tebba.

8 THE CLERK: Spell your last name, please.

9 THE WITNESS: T-e-b-b-e.

10
11 HELEN A. TEBBE,

12 called as a witness by and on behalf of the People, being
13 first duly sworn, was examined and testified as follows:

14
15 DIRECT EXAMINATION

16 BY MR. BUGLIOSI:

17 Q What is your occupation and assignment, ma'am?

18 A I am a Deputy Sheriff; I am at this time
19 assigned to City of Industry Substation.

20 Q On the date, February 17, 1970, were you
21 employed by the Sheriff's Office?

22 A Yes, I was, sir.

23 Q Where were you working on that date?

24 A At Sybil Brand Institution For Women.

25 Q East Los Angeles?

26 A Yes, sir.

1 Q Do you know the defendant, Susan Atkins, in this
2 case?

3 A Yes, sir.

4 Q Do you know her by another name?

5 A Yes, sir.

6 Q What name is that?

7 A Sadie Glutz.

8 Q On the date, February 17th, 1970, did you
9 escort Miss Atkins to the jail beauty shop at Sybil Brand
10 for the purpose of having her hair washed and set?

11 A Yes, sir, I did.

12 MR. KANAREK: If I may, I gather we have a
13 continuing objection on the grounds of irrelevancy and
14 immateriality as to this witness.

15 THE COURT: Very well.

16 MR. KANAREK: Thank you.
17
18
19
20
21
22
23
24
25
26

2-1

1 Q What happened at the beauty shop?

2 A At that time, I took her up to have her hair
3 washed and set as she had requested.

4 She had her hair washed and set. I took some
5 hair samples from her brush and comb and deposited them
6 in an envelope and turned them in to my superior.

7 Q Whose brush and comb were these?

8 A They were her own brush and comb, sir.

9 Q Now, who used the brush and comb during the
10 setting and the washing at the beauty shop?

11 A No one but Miss Glutz herself. They were her
12 own personal property.

13 Q Did you observe the condition of the brush
14 and the comb before Miss Glutz used them at the beauty
15 shop?

16 A Yes, I did; and they were clean and free from
17 hair.

18 Q After you put the hairs in an envelope, what
19 did you do with the envelope and the hairs?

20 A I took them down to the lieutenant's office.
21 We sealed the envelope with some wax, and I put my
22 fingerprint upon it.

23 Q Sadie's hairs were taken from the brush and
24 comb?

25 A From the brush and comb, yes, sir.

26 Q You took the hairs?

2-2

1 A Yes, sir, I did.

2 MR. BUGLIOSI: Your Honor, I have here an envelope,
3 a gray envelope, with a vial inside containing some hairs.

4 May it be marked collectively People's next
5 in order?

6 THE CLERK: 192, your Honor.

192 Id.

7 THE COURT: 192 for identification.

8 BY MR. BUGLIOSI:

9 Q I show you a gray envelope, Deputy Tebbe.

10 Have you ever seen that gray envelope before?

11 A Yes, sir.

12 Q Do you see your handwriting on that envelope?

13 A Yes, sir.

14 Q Is that your handwriting that says "Hair from
15 Sadie Glutz"?

16 A Yes.

17 Q Taken 2/17/70?

18 A Yes, sir.

19 Q This is your signature in the right bottom
20 corner, Deputy H. Tebbe?

21 A Yes.

22 Q No. 502?

23 A Yes.

24 Q That is your badge number?

25 A Yes.

26 Q And you say the hairs were inside this

1 envelope?

2 A Yes, sir, that is correct.

3 Q And you turned them over to whom?

4 A To my lieutenant, and she then instructed me
5 to take them to Captain Carpenter's office.

6 Q Captain Carpenter is in charge of Sybil
7 Brand Institute?

8 A Yes.

9 Q I show you a vial --

10 MR. SHINN: Your Honor, may I approach the witness?

11 THE COURT: Yes.

12 BY MR. BUGLIOSI:

13 Q I show you a vial which is inside the
14 envelope.

15 You have never seen this vial before, I take
16 it?

17 A No, I have not.

18 Q You notice there are some hairs inside the
19 vial.

20 Is there any way of identifying them at this
21 time as to whether they are Susan Atkins'?

22 A No.

23 Q But you do recall putting hair in the
24 envelope?

25 A Yes.

26 Q Not in the vial?

1 A Yes, not in the vial, in the envelope, sir.

2 MR. BUGLIOSI: May I have just a moment, your Honor?

3 THE COURT: Yes.

4 (Mr. Bugliosi and Mr. Shinn confer.)

5 MR. BUGLIOSI: Q You will notice there aren't
6 too many hairs in this vial right now.

7 A Yes, sir.

8 Q Did you put more hairs in the envelope than
9 are presently in the vial?

10 A Yes, sir, I did.

2a fls. 11

12 MR. BUGLIOSI: Okay. No further questions.
13
14
15
16
17
18
19
20
21
22
23
24
25
26

2-A-1

1 THE COURT: Mr. Fitzgerald, any questions?

2 MR. FITZGERALD: No questions.

3 THE COURT: Any questions, Mr. Shinn?

4 MR. SHINN: Yes, your Honor.

5 May I have a moment, your Honor?

6 THE COURT: Yes.

7 (Mr. Shinn, Mr. Bugliosi and Mr. Stovitz
8 confer.)

9 MR. SHINN: Your Honor, may we approach the bench,
10 your Honor?

11 THE COURT: Yes.

12 (Whereupon, all counsel approach the bench and
13 the following proceedings occur at the bench outside of
14 the hearing of the jury:)

15 MR. SHINN: Your Honor, it is my understanding and
16 belief, and Mr. Bugliosi stated, that he is going to match
17 this specimen of hair with hair found with the clothes in
18 the canyon.

19 Is that right, Mr. Bugliosi?

20 MR. BUGLIOSI: Right.

21 MR. SHINN: And I believe this hair sample was taken,
22 your Honor, after she did have an attorney representing
23 her.

24 I believe that the witness has testified that
25 she took this hair from Miss Atkins without giving her any
26 warning, your Honor.

2A2

1 I believe, under the Massiah case, that this
2 would be objectionable and inadmissible.

3 MR. BUGLIOSI: I think we are talking about physical
4 evidence here, and under the rule in Gilbert and Wade --
5 and I have the citation here and the language -- no attor-
6 ney has to be present when you take physical evidence from
7 a defendant, such as a fingerprint exemplar, a handwriting
8 exemplar, things like that.

9 I have got the citation on that, your Honor.

10 MR. SHINN: I have citations to the contrary.

11 THE COURT: Now would be a good time to advise the
12 Court what the citations are.

13 MR. BUGLIOSI: Would you like to see my citations?

14 THE COURT: I would like to see all the citations.

15 MR. SHINN: At this time, your Honor, or tomorrow
16 morning, subject to striking her testimony?

17 THE COURT: If you are willing to proceed subject to
18 striking it, we could do that.

19 Is that agreeable?

20 MR. SHINN: That is agreeable.

21 Is it all right with you, Paul?

22 MR. FITZGERALD: It's agreeable with me.

23 MR. SHINN: All right. Subject to striking her
24 testimony, your Honor.

25 THE COURT: Mr. Bugliosi, the defendants have
26 indicated they are willing to have her testimony come in

1 subject to a motion to strike. So, we can proceed now
2 and both sides can present their authorities and citations
3 to the Court sometime today or tomorrow morning, and I
4 will consider those before ruling on the motion to strike.

5 MR. BUGLIOSI: I could read into the record one brief
6 paragraph. Now or later, your Honor, it is up to the Court.

7 THE COURT: If you have the citation, I will take it.

8 MR. BUGLIOSI: Okay.

9 Wade versus the United States, 388 U.S. 218,
10 and Gilbert vs. California, 388 U.S. 263., and also --

11 THE COURT: What is the page number on Wade?

12 MR. BUGLIOSI: 218.

13 And also People vs. McGowan, 269 ACA 846.

14 These cases refer to the law that when you are
15 talking about physical evidence the Fifth Amendment does
16 not apply.

17 In Wade, the Court said that "the Fifth
18 Amendment offers no protection against compulsion to submit
19 to fingerprinting, photographs, measurements, to write or
20 speak for identification, to appear in court, to assume a
21 stance, to walk or to make a particular gesture," and the
22 Court indicates that the defendant can be forced to do these
23 things without being advised of his right to counsel and
24 without his counsel being present.

25 And I might add, your Honor, that in this case
26 we are not even talking about compulsion actually. There is

1 no indication that she was compelled to do any of these
2 things.

3 So, I would say that our situation here is a
4 fortiori to Wade and Gilbert.

2B

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

3-1

1 THE COURT: There is a fairly recent Supreme Court
2 case involving fingerprints, a Mississippi case. I don't
3 recall the facts of that case.

4 MR. SHINN: Is that the Weeks case, your Honor?

5 THE COURT: It has something to do with fingerprints.
6 You might find that citation.

7 MR. BUGLIOSI: All right.

8 THE COURT: I want to indicate clearly that all
9 counsel have agreed we may proceed, take the testimony
10 subject to a motion to strike.

11 MR. KANAREK: Yes.

12 MR. FITZGERALD: With one caveat, the next witness
13 to be recalled by the prosecution is going to ostensibly
14 testify that he matched up these samples.

15 He should not testify as to matching up the
16 samples until after counsel have had an opportunity to
17 present their material to the court.

18 Is that agreeable?

19 MR. BUGLIOSI: The only problem is I hate to call
20 him back to the stand. If we could just take a brief
21 ten-minute recess and discuss the issue while he is still
22 on the stand, instead of calling him back for a different
23 day.

24 THE COURT: It may not lend itself to a decision in
25 ten minutes.

26 There are a number of authorities involved.

3-2

1 MR. BUGLIOSI: That is true.

2 THE COURT: And I do want to find this recent case
3 which may not be in point at all, I just don't recall the
4 facts.

5 I do recall it involved fingerprints.

6 MR. KANAREK: Yes, I think that was a rape case from
7 the State of Mississippi.

8 MR. BUGLIOSI: Do you know the citation?

9 MR. KANAREK: I don't remember the name of it, your
10 Honor.

11 May the record reflect that we agree with the
12 comments of counsel, but we don't think we should
13 necessarily participate actively because Mr. Manson is not
14 directly involved.

15 I just want the record to reveal that.

16 THE COURT: Mr. Bugliosi, we will take the testimony
17 subject to a motion to strike.

18 Officer Granado will not testify about this
19 matter involving the hair of Susan Atkins until we have
20 decided the point.

21 MR. HUGHES: I feel Leslie Van Houten is not
22 involved in any of this. It relates to the Tate clothes,
23 which were from the first knife.

24 MR. SHINN: The testimony of this witness will be
25 limited only to Susan Atkins, not to the other defendants;
26 is that correct, your Honor?

1 THE COURT: Yes.

2 (The following proceedings were had in open
3 court in the presence and hearing of the jury:)

4 CROSS-EXAMINATION

5 BY MR. SHINN:

6 Q Deputy Tebbe, what is your particular job at
7 the Sybil Brand Institute?

8 A I don't work there any longer, sir, I work
9 at the City of Industry Substation now.

10 Q I mean at the time you took the hair samples?

11 A At the time I was in charge of the module
12 Sadie Glutz was housed in.

13 Q And did you have a conversation with Miss
14 Atkins? You call her Sadie Glutz but her name is Miss
15 Atkins.

16 A I see.

17 Q Did you have a conversation with Miss Atkins
18 on this particular day before she had her hair washed?

19 A Sir, I had many conversations with Miss Glutz
20 while she was housed there.

21 Q Well, I am speaking about this date when you
22 got this hair sample?

23 A Yes, sir.

24 Q Do you recall what the conversation was,
25 before you took the hair sample?
26

1 A Before I took the hair sample?

2 Q Yes -- let me go step by step:

3 When was this hair sample taken, in the morning
4 or in the afternoon?

5 A It was in the afternoon, sir.

6 Q And at that time she was at the beauty shop?

7 A Yes, sir.

8 Q Did you escort her to the beauty shop?

9 A Yes, sir, I did.

10 Q And did you take her from her cell?

11 A Yes, sir.

12 Q Do you recall the conversation before taking
13 her to the beauty shop?

14 A Yes, sir, I told her to get her hair brush and
15 her comb and her beauty supplies ready because we had made
16 an appointment, as she requested, at the beauty shop.

17 Q In other words, this was a regular appointment
18 for the beauty shop?

19 A Yes, sir, it was.

20 Q Did you at any time tell her that "We are
21 going to take hair samples"?

22 A No, sir, I did not.
23
24
25
26

3a fls.

3A-1

1 Q What was this date?

2 A I believe it was the 21st of February, sir.

3 Q The 21st of February, and did you know of your
4 own knowledge that she had an attorney?

5 A Did I know that she had an attorney?

6 Q Yes.

7 A Yes, sir, I did.

8 Q And do you recall the attorney's name at that
9 time?

10 A No, sir, I do not.

11 Q How did you know that she had an attorney at
12 that time?

13 A I overheard various conversations when she was
14 discussing just general attorney-type things with some of the
15 other inmates.

16 I never discussed anything of a personal nature
17 with her.

18 Q Did you ever see her go to the attorney room
19 and talk to an attorney?

20 MR. BUGLIOSI: Your Honor, I think we are getting into
21 legal issues here that should be discussed out of the
22 presence of the jury.

23 MR. SHINN: This is just foundational. I am going
24 to lead up to my question.

25 He can have a motion to strike if I don't
26 pick it up.

3A2

1 MR. BUGLIOSI: I don't think we are talking about
2 questions of fact now, I think we are talking about
3 questions of law.

4 THE COURT: Overruled, you may answer.

5 Is there a question pending?

6 MR. SHINN: Yes, your Honor, I asked her whether or
7 not she saw Miss Atkins in the attorney room talking to
8 an attorney.

9 THE WITNESS: Yes, sir, I worked the attorney room
10 from time to time down there also, I saw her talking
11 to various and sundry people in the attorney room.

12 Q Do you know Mr. Caballero?

13 A No, sir, I don't know him.

14 Q Were you ever present when she talked to an
15 attorney?

16 A I was there when she talked to many people, but
17 as to a specific attorney, no, sir, I am not that familiar
18 with them.

19 Q But you knew she had an attorney, is that
20 correct?

21 A Yes, sir.

22 Q Now, when you took her from the cell did you
23 take her down to the beauty shop?

24 A I took her up to the beauty shop, sir, on the
25 first floor.

26 Q And you left her there?

3A3

- 1 A No, sir, I stayed with her.
- 2 Q You did not work on her hair, did you?
- 3 A No, sir, I did not.
- 4 Q Someone else did?
- 5 A Yes, sir.
- 6 Q And do you recall the name of the person that
7 took care of Mrs. Atkins' hair?
- 8 A No, sir, I do not.
- 9 Q You don't know?
- 10 A No, sir.
- 11 Q And you said you stayed there?
- 12 A Yes, sir, I did.
- 13 Q Approximately how long did you stay there?
- 14 A Until she was through, and then I took her back
15 downstairs again.
- 16 Q Okay, now, how close were you to her?
- 17 A About as far away as this gentleman here in
18 front of me is.
- 19 Q Were you in back of her or front of her or to
20 the side of her?
- 21 A All around her, sir. I waited there while she
22 got through with her hair -- it was depending on where she
23 was sitting at the time.
- 24 Q Were there other people there?
- 25 A Yes, sir.
- 26 Q Both inmates and --

A4

1 A Yes, sir.

2 Q You say all around her, what do you mean?

3 A It depends on where she was sitting at the time,
4 whether they were setting her hair or washing it, sir.

5 Q Is that the usual procedure when you take an
6 inmate down to the beauty shop, you stay with them?

7 A No, sir.

8 Q In this particular instance you did?

9 A Yes, sir.

10 Q Did you tell Miss Atkins why you were there?

11 A No, sir, she was housed in a special area of the
12 jail and those inmates are to be escorted to and from what-
13 ever destination they are to go to.

14 Q Now, this beauty operator, was it a beauty
15 operator that worked on Miss Atkins?

16 A Yes, sir.

17 Q She had worked on other people before
18 Miss Atkins got there, is that correct?

19 A Yes, sir.

20 Q And there was hair all over the place, is that
21 correct?

22 A There is hair there in the beauty shop, yes, sir.

23 Q In other words, they go down there, get a hair
24 cut, shampoo hair, there is hair all over the place?

25 A No, sir.

26 Q What?

1 A No, sir, they clean up after each inmate, if
2 that is what you are referring to.

3 Q What do you mean, "clean up after"?

4 A They sweep the floor and clean up. They keep
5 the beauty shop as clean as a regular beauty shop would be.

6 Q How many beauty operators were working there at
7 one time?

8 A Depending on the number of people lined up for
9 the day, anywhere between five to ten.

10 Q They are all working at the same time, is that
11 correct?

12 A Yes, sir.

13 Q And what do they have, booths?

14 A No, sir, chairs.

15 Q Chairs, and no partitions?

16 A No, sir, no partitions.

17 Q And you say that as soon as one inmate gets
18 her head done, they clean up?

19 A Yes, sir.

20 Q You mean clean up the area there?

21 A The area there, yes, they clean up after each
22 other just as one would do in a normal beauty shop.

23 Q I don't know what they do in a normal beauty
24 shop.

25 In other words, in one little area an inmate
26 gets finished and they clean up that little area?

1 A They wash their hair in one area and they set
2 it in another, sir.

3 Q How do they clean up after each inmate gets
4 finished?

5 A They sweep the floor, the extra hair from the
6 floor, to keep it from blowing around.

7 They wipe off the countertops.

8 Q Have you finished your answer?

9 A I was just going to say they just generally
10 clean up after them, that is all, so there is not an
11 excessive amount of mess.

12 Q In other words, all you do, you sweep it away
13 without a vacuum cleaner?

14 A Yes, sir, they use a broom.

15 Q They use the broom only?

16 A Yes, sir.

17 Q And did you ever work in the beauty shop your-
18 self?

19 A You mean as a monitor there, is that what you
20 are referring to?

21 Q No, as an operator.

22 A Oh, no, sir.

3b-1

1 Q And did you see, before you brought Miss
2 Atkins into the beauty shop, did you yourself see the
3 beauty operator clean the brush and comb?

4 A No, sir, I did not.

5 Miss Atkins had her hair brush and comb
6 clean before she went up; I examined them myself.

7 I have observed her brush her own hair with
8 her own brush on her way to the beauty shop, when she
9 got inside she laid them down on the counter.

10 I picked them up and I removed the hairs from
11 the brush myself.

12 Q When you picked them up, was Miss Atkins
13 present?

14 A Yes, sir, she was.

15 Q Did she see you pick up her brush and comb?

16 A If she was looking at me, she did, sir.

17 Q My question to you is did you see her watch
18 you pick up her brush and comb?

19 A No, sir.

20 Q Where was she at this time?

21 A Sitting in the chair, telling the operator
22 what was to be done with her hair.

23 Q Was she in back or in front of you?

24 A She was in front of me, sir.

25 Q In other words, did you remove this hair when
26 you were behind Miss Atkins, is that correct?

3b-2

1 A No, sir, she was sitting sideways to me,
2 talking to the operator.

3 Q She did not see you then?

4 A I don't know, sir, I was not looking at Miss
5 Atkins when I removed the hair.

6 Q Did you ask her for permission to remove the
7 hair?

8 A No, sir, I did not.

9 Q What kind of a brush was this?

10 A It was a clear plastic brush, sir, white.

11 Q How many inches was the bristle?

12 A Half an inch perhaps, sir, I don't know. It
13 was just the normal type hair brush that most of the
14 inmates there have.

15 Q And where was this hair that you removed, was
16 it on top of the brush or at the bottom of the brush?

17 A It was in the bristles of the brush, sir.

18 Q And at no time did you ask Miss Susan Atkins,
19 "I am going to take a sample of your hair"?

20 A No, sir.

21 Q And at no time did you say "Will you call your
22 attorney and find out whether or not he will give you
23 permission to let me take" --

24 A No, sir, at no time.

25 MR. SHINN: Might I finish my question?

26 THE WITNESS: I beg your pardon.

3b-3

1 BY MR. SHINN:

2 Q At no time you told Miss Atkins, "I am going
3 to take a sample of your hair; I know you have an attorney,
4 so please call your attorney and ask permission for me to
5 take a sample of your hair"?

6 A No, sir, at no time did I so say.

7 Q Now, after you took the sample of the hair, did
8 you tell Miss Atkins "I have a sample of your hair"?

9 A No, sir, I did not.

10 Q And what did you do with this piece of hair?

11 A It was more than one piece of hair, sir, and
12 I deposited it in an envelope, the envelope I so identi-
13 fied here earlier.

14 I put my name, my badge number, Miss Glutz'
15 name, her booking number on it.

16 I sealed it and took it down to the lieutenant's
17 office.

18 Q Okay, now, how many pieces of hair did you
19 take, or strands of hair?

20 A I do not know, sir, I did not count them.

21 Q Well, was it one, two, three, four, five?

22 A Perhaps five to eight strands. I did not
23 count them.

24 Q And how long were these strands approximately?

25 A I don't know, sir, I did not unravel them.
26 They were entwined around the brush and I took them out as

1 they were and deposited them in the envelope.

2 Miss Glutz's hair at the time was quite long.

3 Q Did you put them in this envelope, you say?

4 A Yes.

5 Q Did you seal this envelope?

6 A Yes, sir, I did.

7 Q And then you took it to --

8 A -- the Lieutenant's office, sir.

9 Q And did you open it at that time or did he
10 open it?

11 A No, sir, I did not.

12 At that time we used sealing wax and I placed
13 my thumbprint on the envelope to double seal it so it
14 would not be opened until such time as whoever wanted the
15 hair samples desired.

16 I then took it to the captain's office and he
17 took charge of the envelope at that time.

18 Q Now, did someone tell you to get a sample of
19 Miss Atkins' hair?

20 A Yes, sir.

21 Q Who told you to get the sample of Miss Atkins'
22 hair?

23 A My lieutenant, sir.

24 Q What is his name?

25 A Lieutenant Brown, sir.

26 Q Was this a verbal order or a written order?

1 A It was a verbal order, sir.

2 Q And did she tell you the purpose of getting
3 her hair?

4 A No, sir.

5 Q Could you identify this hair if shown to you
6 among various other types of hairs?

7 A No, sir, I am not an expert in the field of
8 hair.

9 Q In other words, the sample you saw this
10 morning and identified as the hair, you are not positive
11 whether or not this is the same hair you got from Susan
12 Atkins, is that correct?

13 A If it came from the envelope, sir, it is the
14 same hair.

15 Q My question is, by looking at the hair could
16 you tell whether or not this is the same hair you got
17 from Susan Atkins?

18 A It is the same color, sir, that is the only
19 way.

20 Q You are not sure whether or not the hair you
21 saw this morning was Susan Atkins' hair or not, is that
22 correct?

23 A No, sir, I have no way of knowing.

24 Q It might be someone else's hair as far as you
25 know, is that correct?

26 A True, sir.

1 MR. SHINN: No further questions.

2 THE COURT: Any questions, Mr. Kanarek?

3 MR. KANAREK: No questions, your Honor.

4 THE COURT: Any redirect examination?

5 MR. BUGLIOSI: No, your Honor.

6 THE COURT: You may step down.

7 MR. BUGLIOSI: Call Officer Granado.

4 fls.

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

-1

1 THE CLERK: Officer Granado, you are still under
2 oath.

3 Would you please state and spell your last
4 name.

5 THE WITNESS: Granado; G-r-a-n-a-d-o.

6 M. JOSEPH GRANADO,
7 called as a witness by and on behalf of the People, having
8 been previously duly sworn, resumed the stand and testified
9 further as follows:
10

11 FURTHER DIRECT EXAMINATION

12 BY MR. BUGLIOSI:

13 Q Officer, just going over a brief recapitulation
14 at the end of your testimony yesterday.

15 You say that there are the following blood types
16 in human beings: A, B, AB, and O; is that correct?

17 A That is correct.

18 Q And there are also sub-blood types; is that
19 correct?

20 A Yes, that is correct.

21 Q Numerous sub-blood types; is that correct?

22 A There are some 30.

23 Q However, when the blood is dry, then there are
24 only 3 sub-blood types; is that correct?

25 A No, there are more, but there are only three
26

4-2

1 that have been proven by experimental evidence.

2 Q And those three sub-blood types or dried blood
3 are M, N and MN; is that correct?

4 A Yes, that is correct.

5 Q I believe that you said you received a sample of
6 the blood from the bodies of the five victims in the Tate
7 case, Sharon Marie Polanski, Abigail Folger, Voityck
8 Frykowski, Thomas John Sebring, and Steven Earl Parent?

9 A That is correct.

10 Q And you received these samples from a
11 representative of the Coroner's Office?

12 A That is correct.

13 Q And you conducted an examination to determine
14 the blood type and the sub-blood type of these five victims;
15 is that correct?

16 A I did.

17 Q When and where did you conduct that examination,
18 Mr. Granada?

19 A I conducted the examination in the laboratory
20 facilities of the Los Angeles Police Department.

21 Q When?

22 A On or about the 13th of August, 1969.

23 Q And were you able to determine the blood types
24 and sub-blood types of the five victims?

25 A Yes.

26 Q What are the blood types and sub-blood types of

4-3

1 each victim?

2 A On Steven Parent, I found to contain B type
3 blood with a subgrouping of MN.

4 Voityck Frykowski, I found to contain B type
5 blood with a subgrouping MN.

6 Q The same as Steven Parent?

7 A That is correct.

8 Q Yes, sir?

9 A Abigail Folger, Type B blood, subgrouping MN.

10 Jay Sebring, O type blood, subgrouping MN.

11 Sharon Tate Polanski, blood type O, subgrouping
12 N.

13 Q N?

14 A Correction. That is M.

15 Q M as in Mary?

16 A Yes. There is a typographical error here.

17 Q You indicated that you found what appeared to
18 be blood in several places on the premises when you
19 arrived at 10:00 a.m. on the morning of August 9th, 1969;
20 is that correct?

21 A Yes, that is correct.

22 Q Did you take samples of the blood at the scene
23 and examine these samples of blood back at your office?

24 A I did.

25 Q When did you take the samples? On the same date,
26 August the 9th?

1 A That is correct.

2 Q And when did you make your examination of these
3 samples?

4 A The week immediately following and several
5 months thereafter.

6 Q What type of an examination did you make of
7 these samples of blood?

8 A I made an examination for establishing whether
9 it was human blood or animal blood.

10 Q That is called an ouchterlony test?

11 A Yes.

12 Q Would you spell ouchterlony?

13 A O-u-c-h-t-e-r-l-o-n-y.

14 Q That is pronounced ouchterlony?

15 A That is correct.

16
17
18
19
20
21
22
23
24
25
26
4A

4a-1

1 Q And the purpose of that test is to determine
2 whether the blood is human blood or animal blood?

3 A That is correct.

4 Q Did your tests reveal that the samples of
5 blood that you took from the scene were in many or all
6 instances human blood?

7 A In most of the instances it was human blood.

8 MR. BUGLIOSI: Your Honor, at this time I would like
9 to have the witness approach the diagram here and point
10 out the places on the premises where he found the
11 particular blood and sub blood types.

12 However, I don't believe that the jury, from
13 their view right here, could observe all of the various
14 minute markings on the map.

15 Could we bring the map up closer for the
16 benefit of the jury?

17 THE COURT: First, is the jury able to see the
18 diagram from that distance?

19 Is there anyone who cannot see it clearly?

20 Why don't we try marking it from that
21 distance. If they are unable to see the markings, then
22 we can move it closer, Mr. Bugliosi.

23 MR. BUGLIOSI: Very well.

24 Q Officer, the map or the diagram to your right
25 front, People's 8 for identification.

26 You have seen that map before, I take it?

1 A I have.

2 Q Did you assist in the preparation of that

3 map?

4 A That is correct.

5 Q Do you know who actually prepared the map?

6 A Yes.

7 Q Who is that?

8 A George Deese.

9 Q But you helped him in the preparation, did

10 you?

11 A That is correct.

12 Q What was the nature of your assistance in

13 helping in the preparation of that map, Officer?

14 How did you help out?

15 A The various locations where I found the

16 evidence, the various types of evidence at the scene,

17 and also the location of the various structural points

18 at the scene.

19 Q In other words, you told him where you found

20 certain samples or where you took certain samples of

21 blood from at the scene?

22 A That is correct.

23 Q And he made a marking on that map?

24 A Yes.

25 Q Under your direction?

26 A That is correct.

1 Q Would you please step to the map, Officer,
2 and point out on the diagram the places on the premises
3 where you found human blood, and also indicate the blood
4 type and sub blood type that you determined the blood to
5 be.

6 A Yes, sir.

7 (The witness leaves the stand and approaches
8 the diagram.)

9 MR. BUGLIOSI: You are taking your records with you?

10 THE WITNESS: Yes. I will have to refer to the
11 notebook.

12 MR. BUGLIOSI: Is there any objection to Officer
13 Granado referring to his personal notes and his records
14 while he refers to the map?

15 MR. FITZGERALD: No objection.

16 MR. KANAREK: No objection.

17 MR. SHINN: No objection.

18 THE WITNESS: I will start with the blood areas
19 as I came through the gate at the Polanski residence
20 rather than following in my notebook chronologically.

21 MR. BUGLIOSI: All right.

22 THE WITNESS: I found at the gate control switch
23 some material which appeared to me at the time to be
24 blood, later found to be human blood, type O with a sub
25 typing of MN.
26

BY MR. BUGLIOSI:

1 Q Is that marked on the diagram?

2 A The diagram indicates Type O with the letter
3 G17, which refers to the notation in my notebook.

4 Q The G stands for you?

5 A That is correct.

6 Q Granado?

7 A That is correct.

b fls.

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

-1

1 Q Would you insert, then, MN after that Q?

2 A Yes.

3 Q And "17" is what? Is that just one of your
4 figures?

5 A Just a chronological order that I picked up the
6 various evidence at the scene.

7 Q All right.

8 A I will next move to the vehicle, a two-door
9 Rambler,, which was parked crossways on a parking type area
10 of the Polanski estate.

11 MR. BUGLIOSI: May it be stipulated that that is
12 Steven Parent's Rambler?

13 MR. FITZGERALD: So stipulated.

14 MR. SHINN: So stipulated.

15 THE WITNESS: That is marked with my coding G36, 37
16 and 41, which relates -- 36 is the steering wheel of the
17 vehicle. I found that to contain type B blood.

18 37 relates to blood chips that I found on the
19 dash of the vehicle, which were type B human blood.

20 The steering wheel was also human blood.

21 MR. BUGLIOSI: Q Does the map presently indicate
22 this now?

23 A No, it does not.

24 Q Would you make those insertions on the map?

25 A Yes.

26 (The witness marks on the diagram.)

4B2

1 MR. KANAREK: Your Honor, may he also insert the
2 sub type?

3 THE COURT: Yes.

4 MR. BUGLIOSI: Yes.

5 Officer, put down the blood type and the sub
6 blood type on all blood found on the premises.

7 (The witness marks on the diagram.)

8 THE WITNESS: I won't be able to give you the sub
9 blood types on some of these bloods because I did not run
10 a sub blood type, and if the sub blood type is not run
11 within a week or two from the date of collection, being
12 fresh, the various components will break down and will not
13 give you a sub typing.

14 MR. BUGLIOSI: Q So, you did not get a sub
15 blood type on all of the blood which you observed on the
16 premises?

17 A That is correct.

18 Q However, where you did get a sub blood type,
19 Officer, indicate that on the diagram there.

20 A Yes.

21 G41, also in the automobile, was on the inside
22 and outside handles of the Parent vehicle, and there there
23 was insufficient material for typing or human, but I got a
24 positive benzidine reaction at the scene.

25 Q When you say a positive benzidine reaction,
26 what do you mean by that?

4B3

1 A That means that there was a high probability of
2 blood being present.

3 Q What is benzidine?

4 A That is a reaction of a dye, benzidine, which is
5 a chemical, an organic dye, which couples with an enzyme
6 found in the hemoglobin of blood, and with the use of
7 a hydrogen peroxide, what the blood does, the enzyme in the
8 blood causes the benzidine to couple, to form a blue-green
9 color, chemical reaction.

4C

10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

4c-1

1 With the two-step benzidine method that I used,
2 that I am presently using and have been using for over
3 approximately six years, I have not found anything that
4 does react with it.

5 In the older benzidine reaction, there was
6 some written information in the literature which gave some
7 various components or peroxidases.

8 I have tried these various chemicals and
9 fruit peroxidases, and with this method that I used, I
10 have not found them to react, but leaving room for some-
11 thing in the nature which will react, I don't say for a
12 certainty that this is blood, but a high probability.

13 Q You apply the benzidine, which is a chemical?

14 A Yes.

15 Q And you apply it to blood?

16 A That is correct.

17 Q And if it is blood, it turns bluish green?

18 A That is correct.

19 Q Have you ever applied benzidine to any
20 substance other than blood in which the substance turns
21 bluish green?

22 A No.

23 Q So, blood is the only substance that turns
24 bluish green when benzidine is applied to it; is that
25 correct?

26 A No. Not correctly. Because it will react, but

1 it will not react before you add the second ingredient,
2 which is the hydrogen peroxide.

3 So, this nullifies the test. If there is any
4 reaction prior to the addition, prior to the hydrogen
5 peroxide, that nullifies the test and, therefore, it is
6 not blood.

7 Q So, blood reacts in a specific fashion to
8 the application of benzidine?

9 A That is correct.

10 Q Like no other substance does?

11 A That I have found.

12 Q All right. You may continue.

13 A I now move on to the area of the front porch
14 where I found various blood splatters and pools of blood,
15 and I have also noted these with my letter and number,
16 G4, which were blood splatters -- at the time I indicate
17 possible blood splatters -- on the front porch next to the
18 doorway, in the southeast corner of the doorway.

19 Q This is the front door of the Tate residence?

20 A That is correct.

21 I found those splatters to be Type O, sub
22 Type M.

23 Q M as in Mary?

24 A That is correct. Also human blood.

25 G5 --

26 Q G5? G, as you say, is Granado, and 5 is a

number that you used internally at the Police Department?

A Correct.

Q But G5 actually appears on the diagram?

A That is correct.

4d fls.

4D-1

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

Q Referring to a place where you found blood?

A Yes.

This is a location on the front porch near the edge of the front porch. It would be the eastern edge, near the post holding up the overhead of the porch.

That was human blood type O, sub type MN.

G6. The front door. Material that appeared to be blood from the words "Pig."

I found the material to be human blood, type O, sub type M.

Q You took a sample, then, from the printing in blood on the front door of the Tate residence?

A That is correct.

Q The printing being p-i-g; is that correct?
Pig?

A Yes.

Q And you found the sample taken from the printing to be O, N?

A That is correct.

G7 was a footprint and possible blood on the front porch.

I found that to be human blood, the print to be in human blood, type O, sub type M.

Q O, M is the blood type and sub blood type of Sharon Marie Polanski; is that correct?

A I did find that to be her blood type, yes.

4D2

The area here is getting a little congested.

1 MR. STOVITZ: With your permission, Mr. Bugliosi,
2 may the record show that the markings that the witness is
3 putting on Exhibit 8 for identification are, what would you
4 say? About a sixteenth of an inch or even smaller than that?

5 THE WITNESS: That is correct.

6 MR. KANAREK: Your Honor, may that last one be
7 extended with an arrow to a free portion of the map?

8 MR. STOVITZ: I think that would only confuse it
9 further, your Honor. There are walkways and pathways and
10 everything else.

11 I think the best thing to do is just have a
12 Sherlock Holmes magnifying glass at the time that we are
13 going to look at this again.

14 THE COURT: Can a line be drawn out to the side,
15 Mr. Stovitz?

16 MR. STOVITZ: Can you do that, Mr. Granado, draw a
17 line without interfering with any other markings that would
18 be material to this diagram?

19 THE WITNESS: I don't know. I can try.

20 MR. STOVITZ: I think what it is, the pen that you
21 are using is a little thick.

22 Try to use this thinner one.

23 THE WITNESS: Then I won't be able to see it myself.

24 (The witness marks on the diagram.)

25 THE WITNESS: Next we move inside the house to the
26

area of the entryway.

Before we go in, on the left side of the front door jamb I found some human blood, type O, sub type M, my notation being G32.

Before we get in, we have some blood in the walkway, 28 inches from the front porch and 8 inches from the south border -- the north border -- of the walkway edge, which I have noted as G33.

It is indicated on the map as G34. That is correct. G34.

It was O type blood with subtype MN. Human blood.

On the east side of the doorway between the entry and the living room I found some human blood, type O, sub type M. The notation is G30.

5-1

1 I am going through the entryway into the
2 living room.

3 There were some two trunks, one on top of
4 the other, and these had human blood on them, Type O --
5 MN.

6 Q There were two suitcases?

7 A That's correct.

8 Q Trunks?

9 A Yes, one was stacked on top of the other.

10 MR. STOVITZ: There is a question from one of the
11 jurors, your Honor.

12 JUROR NO. 9: It would be very helpful if Officer
13 Granado could give his designations, that is, his number
14 markings first.

15 I have a tabulation; then I will know more
16 which spot to put the information.

17 THE WITNESS: Okay, I will do that.

18 JUROR NO. 9: Also I did not hear that last one.

19 THE WITNESS: The last one was a pair of trunks.

20 JUROR NO. 9: No, the number.

21 THE WITNESS: The number was G29 for one trunk --
22 G29-A and -B.

23 BY MR. BUGLIOSI:

24 Q G29-A for one trunk and G29-B for the other
25 trunk?

26 A That is correct.

5-2

1 Q I show you People's 27 for identification,
2 are these the two trunks that you are referring to?

3 A That is correct, and there is the blood there.

4 Q You observed the blood on the trunks, depicted
5 in this photograph, is that correct?

6 A That is correct.

7 MR. BUGLIOSI: Your Honor, I have here another
8 photograph that appears to be an enlargement of People's
9 27 for identification.

10 May it be substituted for People's 27?

11 Any objection?

12 MR. FITZGERALD: No objection.

13 THE COURT: Very well.

14 BY MR. BUGLIOSI:

15 Q I show you what appears to be an enlargement
16 of the previous photograph, is that in fact an enlargement
17 of the previous photograph I showed you, People's 27 for
18 identification?

19 A That is correct.

P27 sub 20 THE COURT: The enlargement will be substituted.

21 THE WITNESS: Moving on, we come to a location where
22 I found pieces of what appeared to me at the time to be
23 a gun grip, and looking for the missing piece of the gun
24 grip I also found the other piece outside the entryway.

25 These I noted as G1, a small piece of wood-like
26 material that to me resembled a gun grip, I found outside

1 the front door approximately a foot from the door to
2 the southern edge of the doorway.

3 G2 and G3 --

4 BY MR. BUGLIOSI:

5 Q Did you test G1 for blood?

6 A Yes, I did.

7 Q What was your finding?

8 A I did not get enough blood for typing, but
9 I did get a positive benzidine.

10 Q A positive benzidine action?

11 A That is correct.

12 Q So you applied benzidine to a portion or all
13 of G1, a small piece of grip, is that correct?

14 A That's correct.

15 Q And you got a bluish-green reaction, is that
16 correct?

17 A That's correct.

18 Q You may continue.

19 A G2 --

20 THE COURT: Excuse me. We will take our recess
21 at this time.

22 Ladies and gentlemen, do not converse with
23 anyone nor form or express an opinion regarding the case
24 until it is finally submitted to you.

25 The court will recess for 15 minutes.

26 (Recess.)

flg.

A-1

1 MR. KANAREK: I want to thank the Court for allowing
2 me to go to this other court; I went and came.

3 I want to apologize for being late.

4 THE COURT: All right, you may proceed, Mr. Bugliosi.

5 Q BY MR. BUGLIOSI: You may proceed, officer
6 Granado.

7 A G2 and G3 --

8 Q You are talking about the grips now?

9 A That is correct.

10 Q These are the larger grips.

11 A The two larger pieces of what appear --

12 Q I'm sorry, the two larger pieces. There were
13 three pieces of grip, right?

14 A That's right.

15 Q The smallest piece was G1?

16 A That's correct.

17 Q You are now talking about G2 and G3, the two
18 larger pieces?

19 A That's correct, these I picked up from the area
20 next to the desk in the living room area of the residence
21 and I handed these to the latent print persons there at the
22 scene to check for prints before I took any blood samples
23 from them.

24 After being checked for prints, then I ran
25 tests on the grips at the lab.

26 Q Go ahead.

1A2

1 A From the grip marked G2, it was found to contain
2 human blood type O, sub type MN.

3 G3, insufficient blood type material for
4 typing, or human, I had a positive benzidine reaction.

5 Q So there is a positive benzidine, but
6 insufficient amount to run your so-called Ouchterlony test
7 to positively determine it was human blood?

8 A That is correct.

9 Q But you know it was human blood because of the
10 positive benzidine?

11 A Well, there is a high probability it was.

12 Q Officer, I show you People 's Exhibit 122, do
13 you know what is shown in that photograph?

14 A Yes, these are the two pieces, as I noted, as
15 G2 and G3.

16 Q Two pieces of grip?

17 A That's correct.

18 Q Now, they appeared to be under a chair, is that
19 correct?

20 A Yes, that is where they were the second time I
21 had seen them.

22 At the time I picked them up, to protect them
23 from any further kicking around.

24 Q At the time you picked up the two pieces of
25 grip, G2 and G3, depicted in 122, were they under the
26 chair as shown in this photograph?

A3

1 A At the time I picked them up, yes.

2 Q The first time you saw them they were not under
3 the chair?

4 A No, they were closer to the entryway.

5 Q You don't know how they got under the chair?

6 A No.

7 Q But you did not want them to be kicked around
8 any more so you picked them up?

9 A That's correct.

10 Q I have a large photograph, a blow-up of
11 Exhibit 122 for identification.

12 May it be substituted for People's 122?

13 THE COURT: Yes, it may be substituted.

14 Q BY MR. BUGLIOSI: Showing you the large blow-up,
15 does that appear to be an enlargement of the small
16 photograph, People's 122?

17 A Yes.

18 Next I move on to G27, which is a buck type
19 knife, which closes up -- it is a pocket type knife, buck,
20 having a three-quarter inch diameter blade with 3-13/16
21 length of blade.

22 This I found in a stuffed chair in the living
23 room, and the knife was in a position with the blade open,
24 the sharp end of the blade upward towards the ceiling, and
25 the handle embedded in the seat, the area between the seat
26 and the rest of the chair, towards the back rest.

NDX

1 Q I show you People's 140 for identification.
2 Do you know what is shown in that photograph?

3 A Yes, this is the knife I am referring to as
4 G27.

5 Q I show you People's 39 for identification,
6 do you know what that knife is right there?

7 A Yes.

8 Q Have you ever seen that knife before?

9 A Yes, this is the knife I referred to, and there
10 are my initials, MJG, on the back of the handle.

11 Q This knife, People's 39 for identification, is
12 that the same knife that is shown in People's 140 for
13 identification?

14 A Yes, that is correct.

15 Q Did you conduct an examination to determine
16 whether there was any human blood on any portion of this
17 knife, People's 39 for identification?

18 A I first handed the knife over to the latent
19 print people.

20 I placed it at a bar near the seat, there, in
21 back of the seat was ^a wet bar. I placed this knife on the
22 counter.

23 Then it was checked for prints. After this I
24 checked the knife, placed it under the polyethylene bag
25 and checked the knife at the lab, and did not find it to
26 contain any sufficient amount for human or typing, and I did

1 not get a benzidine reaction.

2 Q You say "sufficient amount."

3 Was there some substance that resembled
4 blood?

5 A There was some material; it was covered up with
6 a black powder that they use for the latent prints. I
7 thought maybe there was something underneath.

8 It was negative; no reaction for benzidine.

9 Q No human blood then on People's 39 for
10 identification, this buck knife, is that correct?

11 A That is correct.

12 Q You may continue.

13 A Moving on in the living room, next to it, or
14 between the body of Sharon Tate Polanski and Jay Sebring, I
15 found a towel with blood stains.

16 I marked this as G39 and I checked several
17 spots marking each spot as A, B, C, on to K.

18 And I found the spots to be human blood type O,
19 and then I checked at random spot A, I and J, and found it
20 to be sub type M.

6-1

1 I checked the overhead beam in the living room,
2 which I marked G25, and I checked some spots that were on
3 the beam that appeared to be stains.

4 I found these to be negative for benzidine. No
5 blood reaction.

6 I found some blood spots, what appeared to be
7 blood spots, in the area next to the doorway entering into
8 the hall of the estate. There is a hallway leading to the
9 rest of the house. And I marked that location G8.

10 There was a possible blood stain on the rug in
11 front of the chair in the living room area next to the
12 hallway. G8. That was human blood type B.

13 Q Did you get a sub blood type on that?

14 A No, I did not.

15 Q Did you try to get a sub blood type?

16 A I can't recall whether I did or did not.

17 Q Incidentally, is it customary to try to get
18 sub blood types when you go to the scene of a homicide?

19 A No. This is done in the laboratory.

20 Q I am sorry.

21 When you take samples of blood from the scene
22 of a homicide, is it customary in homicide investigations
23 to get sub blood types?

24 A No, it is not.

25 Q But you did do it in this case in certain
26 situations?

6-2

1 A Yes.

2 We tried to do it in certain situations where
3 the bloods are all the same. We tried to obtain another
4 characteristic for further pinning down the particular
5 individual.

6 Q Very well.

7 A Then there is an area marked G10, which was a
8 stain of possible blood on the wood floor between the
9 living room and the hallway carpet, I guess, or rugs.

10 This was human blood Type B.

11 It is already noted on the drawing there.

12 Then we have an area marked G9, which was a
13 possible blood stain on the living room door jamb leading
14 to the back bedroom, which is the hallway area. That is
15 the door jamb on the archway dividing the living room from
16 the hallway.

17 This material was on the easternmost door jamb.
18 It was human blood Type B.

19 Now we move to the hallway.

20 There was a possible blood spot on the carpet
21 in the hallway midpoint between the living room and the
22 rear bedroom.

23 That is marked G11. That was human blood
24 Type B.

25 Next we go to the rear bedroom. That is,
26 the rear western -- there are two bedrooms in the back.

6-3

6a fls.

1 One is marked as the easterly bedroom and the other one
2 the most westerly, the one that leads immediately from
3 the hallway -- rather, the hallway/^{leads}immediately into this
4 bedroom, and the other bedroom was to the side, to the
5 east of this bedroom.
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

6A-1

1 Q To the left?

2 A That is correct. To my left as I walked south-
3 ward.

4 In this bedroom I found some material, a pool
5 of several blood spots, and I marked this area of the rug,
6 which was an area in the rear bedroom next to a doorway
7 that led out to the outside near the pool area. There was
8 a swimming pool back there.

9 These spots I found to be human blood type B.

10 Q Did you get a sub blood type on that?

11 A No, I did not run one.

12 G13.

13 A JUROR: What was that area?

14 MR. BUGLIOSI: Q officer, one of the jurors did
15 not hear the area that you were referring to on your last
16 blood spot.

17 A G12 is directly inside the doorway of the rear
18 or master bedroom as it is indicated in this diagram.

19 Near the doorway to the left-hand side as you
20 go out the door, out the doorway, I found blood on the rug
21 area, and also on some of the slats on the door.

22 This I found to be human blood type B.

23 Q Did you take a sample of the blood on the slats
24 of the door?

25 A Yes, I did.

26 Q And you found that to be B also?

1 A Yes, that is correct.

2 Q I show you People's 11 for identification,
3 officer.

4 Do you know what is shown in that photograph?

5 A Yes. That is the blood there.

6 Q You are pointing to the door in the master
7 bedroom that leads to the pool area; is that correct?

8 A That is correct.

9 Then there were some spots here also on the
10 rug.

11 Q All right.

12 Could you place an X on the rug where you found
13 the blood spots?

14 A Yes. I can better circle the area.

15 MR. BUGLIOSI: All right.

16 (The witness marks.)

17 MR. BUGLIOSI: May I mark that "blood spots," your
18 Honor?

19 THE COURT: Yes.

20 MR. BUGLIOSI: Let me show this to the Court.

21 (Mr. Bugliosi approaches the bench and shows
22 the Court the photograph.)

23 THE COURT: Very well, you may mark it.

24 MR. BUGLIOSI: Thank you.

25 Just hold it for a second, Officer, before you
26 continue.

(Mr. Bugliosi marks on Exhibit 11.)

MR. BUGLIOSI: All right.

Q You indicated that you found type B blood on the slats of the door; is that correct?

A Yes.

The rug is G12. I found that to be human blood type B.

On the back door leading to the pool area I found what appeared to be hand-like striations, and these I found to contain human blood type B.

Q You say hand-like striations? You mean the configuration of a hand?

A Right.

Q The shape of a hand?

A Not the shape, but like five digits going across.

6B

B-1

1 Q Does this photograph depict the blood that you
2 observed on the slats of the door?

3 A That is correct.

4 That is G13 in my notation.

5 Q G13 is the blood on the slats of the door?

6 A Yes.

7 Q Is this photograph here, People's 11 for
8 identification, a fair and accurate representation of the
9 way that door looked when you arrived at the scene?
10 Referring to the blood on the door.

11 A This door was like this. The other door --
12 there is a double-door entry -- the other door, whether
13 this was closed or open when I arrived there, I don't
14 know.

15 The other one was closed.

16 Q But specifically directing your attention to
17 what appears to be blood on the slats of the door, is this
18 photograph a fair and accurate representation of the way
19 the blood looked on the door?

20 A Yes, that is correct.

21 Q All right. You may continue.

22 A Next, there were a couple of stairs leading to
23 a pathway that goes to the pool, and also leads onto the
24 back house, or to the living quarters, another little
25 small place at the rear of the estate.

26 Now, at the top stair, immediately outside this

1 master bedroom, I found what appeared to be a blood stain,
2 and I found the stain to be human blood type B.

3 Q Did you get a sub blood type on that?

4 A No.

5 Q Did you try?

6 A No, I didn't.

7 Q Let me ask you this, Officer Granado.

8 You indicated that Steven Parent, Voityck
9 Frykowski and Abigail Folger had the same blood types and
10 sub blood types?

11 A That is correct.

12 Q B, MN?

13 A That is correct.

14 Q Now, is the reason, or one of the reasons, why
15 you did not attempt to get a sub blood type on some of these
16 samples which were B, was one of the reasons that three of
17 the victims had the same sub blood type?

18 MR. KANAREK: Your Honor, I object. That is
19 immaterial and irrelevant as to his reasons.

20 THE COURT: Sustained.

21 MR. BUGLIOSI: You may continue.

22 THE WITNESS: Next I moved to G15, which was a
23 possible blood spot on the flagstone pathway from the house
24 to the pool area. This spot was near the pool, immediately
25 outside the back door of the master bedroom. It was on the
26 pathway itself but next to the grass.

1 In this area here. (Indicating) That is G15.

2 I found that to be human blood, sub type B.

3 Correction. Human blood type B.

4 MR. BUGLIOSI: Q Does the diagram presently
5 reflect that?

6 A Yes. I have checked it.

7 Next I move to G16, which appeared to me like
8 a violet colored scarf with violet ribbons. This scarf was
9 stiff and appeared to have material that appeared to me to
10 be blood, and I took this to the lab and analyzed it.

11 I found it to contain human blood type O, sub
12 type MN.

13 This was near the body of Frykowski on the
14 front lawn of the residence and approximately 10 feet from
15 the sidewalk leading to the residence.

7-1

1 Here is the sidewalk to the residence,
2 Frykowski's body was approximately at this location, and
3 the scarf was at this location here, marked G16.

4 Q Is G16 presently on that diagram?

5 A Yes, it is, and the sub type is the only
6 thing missing.

7 (Witness writes on diagram.)

8 Q Does the diagram actually reflect where Mr.
9 Frykowski's body was when you arrived at the scene?

10 A I would say approximately, yes.

11 It is about the right distance between the
12 sidewalk and Folger's body which was towards the rear of
13 the residence.

14 Q And when you arrived again at about 10:00
15 o'clock in the morning?

16 A That's correct.

17 Q You were one of the first officers to arrive,
18 is that correct?

19 A Yes.

20 Q You may continue.

21 A That is all the blood I can recall at this
22 present time.

23 Q Does the diagram reflect where Abigail Folger's
24 body was found?

25 A Yes, it was this area here.

26 Q Is her name --

7-2

1 A "Folger."

2 Q -- listed on that diagram?

3 A Yes.

4 Q Does the diagram accurately reflect where
5 you saw Miss Folger's body when you arrived at the scene
6 at about 10:00 a.m.?

7 A Yes, it was directly in line with the rear
8 of the residence, and approximately at this location
9 towards -- there was a split rail fence across here, and
10 this body was a foot or two away from the fence.

11 Q Did you attempt to get any sample of blood
12 from the vicinity of Miss Folger's body?

13 A No.

14 Q Or Mr. Frykowski's body?

15 A No.

16 Q Any reason for that?

17 MR. KANAREK: I object, your Honor, on the ground it
18 is irrelevant and immaterial.

19 MR. BUGLIOSI: It is ^{not} irrelevant, your Honor, the jury
20 is entitled to know.

21 THE COURT: Overruled.

22 BY MR. BUGLIOSI:

23 Q You may answer that?

24 A There was a large pool around these bodies,
25 that I assume had come from the immediate vicinity.

26 I could see from the wounds that the blood

7-3

1 had come from these bodies, and I knew I was going to get
2 samples from the Coroner at a later time.

3 So I started collecting the other samples that
4 I did not want destroyed.

5 BY MR. BUGLIOSI:

6 Q So you assumed the pools of blood in the
7 vicinity of Mr. Frykowski and Miss Folger, came from their
8 bodies?

9 A That's correct.

10 Q Have you pointed out now on the diagram
11 every place where you found blood on the premises, and the
12 blood type that you found the blood to be?

13 A Every place I found blood type.

14 I also found two areas of what appeared to be
15 blood spots, at least they gave me a benzidine reaction,
16 and the material appeared to be a reddish substance.

17 This was in the ground and the grass area
18 between the sidewalk and Frykowski's body.

19 MR. BUGLIOSI: You may resume the witness stand,
20 Officer.

21 THE WITNESS: Thank you.

22 (Witness resumes stand.)

23 BY MR. BUGLIOSI:

24 Q Showing you People's 39 again for identification,
25 you indicated that you conducted an examination in your
26 office and found no human blood, is that correct?

7-4

1 A I did not find any blood.

2 Q All right, now, before you turned this knife
3 over to the fingerprint men at the scene, did you observe
4 anything on the knife that appeared to be or resembled
5 human blood?

6 A No, just --

7 MR. STOVITZ: I cannot hear you.

8 THE WITNESS: No, I just saw it clear. It looked like
9 a clear or a greasy substance on the knife.

10 BY MR. BUGLIOSI:

11 Q Did that greasy substance appear to resemble
12 human blood?

13 A No, I did not know whether it was or not.

14 Q Are you referring to the substance now that
15 you observed on the knife after you gave it to the
16 fingerprint people?

17 A No, before I gave it to the people, to the
18 fingerprint people it had something on it, but to me this
19 something did not appear as blood.

20 But sometimes you get the fatty tissue --

21 MR. KANAREK: Your Honor, I object to this voluntary
22 statement as conjecture, your Honor, with no foundation
23 as to what sometimes you get.

24 THE COURT: Sustained. That portion of the answer
25 will be stricken and the jury is admonished to disregard
26 it.

7-5

BY MR. BUGLIOSI:

Q Where was this greasy substance on the knife?

A On the blade of the knife.

Q On both sides?

A I cannot recall whether on both sides or on one side.

Q Was the substance thick or thin?

A It appeared to be thin.

Q Thin?

A Yes.

7a fls.

7a-1

1 Q Do you recall what color the substance was?

2 A Clear.

3 Q Do you know what the substance was?

4 A No, I do not know.

5 Q Showing you People's 94 for identification,
6 do you know what is shown in that photograph?

7 A It appears like a pool of blood that I checked
8 near the front porch, next to the post, holding up the
9 overhead of the porch there.

10 MR. KANAREK: Your Honor, may I approach the
11 witness as Mr. Bugliosi is examining?

12 THE COURT: Yes.

13 MR. KANAREK: Thank you.

14 BY MR. BUGLIOSI:

15 Q Is there a pool of blood near the post which
16 is the front door of the Tate residence?

17 A Yes, sir, this is the front edge of the porch.
18 This is the pole on the northeast corner of
19 the porch.

20 Q Is that to the left of the front door as you
21 were exiting the door?

22 A No, that is to the right.

23 Q The post is to the right of the door?

24 A Yes, you enter this way into the house.
25 That is going outward.

26 Q Looking at this photograph, People's 94 for

1 identification, let us assume now you are entering the
2 front door of the Tate residence, would this post be on
3 your right or on your left?

4 A On my right.

5 Q So if you were exiting, coming out of the front
6 door of the Tate residence this post and the bush and the
7 pool of blood would be to your left?

8 A As you go out, yes.

9 Q Is this photograph a fair and accurate
10 representation of the way the pool of blood looked when
11 you arrived at the scene at around 10:00 a.m.?

12 A Yes.

13 Q I show you People's 116 for identification, do
14 you know what is shown in that photograph?

15 A Yes, that is the button to activate the front
16 gate to the residence, allowing the vehicles to come in
17 or out.

18 Q Was this the button inside the gate or the
19 button outside the gate?

20 A This is the button inside the gate.

21 Q To permit one to leave the Tate residence?

22 A That is correct.

23 Q You noticed there was blood in the vicinity
24 of the button, is that correct?

25 A No, there was a stain which I later found to
26 be blood.

1 Q All right, what was that blood type again?

2 A That was human blood, Type O, sub Type MN.

3 Q Is this photograph, Officer, a fair and accurate
4 representation of the way the button and the blood around
5 it looked when you arrived on the premises at about 10:00
6 a.m.?

7 A Yes.

8 Q Officer Granado, did you find any blood any-
9 where on the premises with blood types different from the
10 blood types of the five victims?

11 A Yes.

12 Q What is that?

13 A That was a knife in the kitchen of the Polanski
14 residence.

15 There I got a positive AB reaction; no human
16 reaction, a positive benzidine.

17 Q Do you have that knife with you?

18 A Yes, I do.

19 Q May I see it?

20 MR. BUGLIOSI: Your Honor, I have here a knife
21 which appears to be a paring knife, may it be marked
22 People's next in order?

23 THE COURT: 193 for identification.

24 MR. BUGLIOSI: They tell me it is a steak knife,
25 your Honor, may I identify it differently.

26 Your Honor, can I have that number again?

93 id.

THE COURT: 193.

BY MR. BUGLIOSI:

Q Showing you Exhibit 193 for identification, it is the knife that you removed from a bundle that you took with you to court today, is that correct?

A Yes, that is correct.

Q When was the first time that you saw that knife?

A At the Sharon Tate Polanski -- in the Sharon Tate Polanski's residence.

Q Where?

A In the kitchen in the sink area.

Q So in the kitchen near the sink of the Tate residence you found this knife?

A Yes.

Q And you took it down to your office, I presume, to attempt to ascertain if it had human blood on it?

A That is correct.

Q What type of test did you run on the knife?

A Several tests. I ran the benzidine.

Q What was the result of the benzidine test?

A That was positive.

Q So you got a positive for blood?

A Yes.

Q Now, does a positive benzidine indicate whether it is animal or human blood?

A You don't know whether it is animal or human.

1 Q Just a positive for blood, period, is that
2 correct?

3 A That is correct.

4 Q Then you ran some other test?

5 A Yes, I ran the human precipitant test which
6 is referred to as the Ouchterlony.

7 Q What was the result of that test?

8 A That was negative.

9 Then I ran a blood type absorption-dilution
7b fls. 10 test, also referred to as the Nickols-Pereira.

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

B-1

1 Q What was the result of that test?

2 A The results were that I found it to contain a
3 reaction of A and B, indicating it was AB type blood.

4 Q Does that have any significance to you?

5 A Yes, this is the usual reaction that you get
6 when you type animal blood with human serum.

7 Q But you definitely got a negative on the
8 Ouchterlony test?

9 A That is correct.

10 Q Which means the blood on this knife was
11 definitely not human blood, is that correct?

12 A That is correct.

13 Q Now, other than that knife right there, which
14 I just showed you, I believe it's People's 193 for
15 identification, did you find any other blood anywhere on the
16 premises that had a blood type different from the blood
17 type of the five victims in this case?

18 A No.

19 Q Did you observe the bodies of Sharon Tate and
20 Jay Sebring at the Tate residence?

21 A Yes.

22 Q Where were they inside the residence when you
23 arrived?

24 A They were in an area of the living room,
25 bordered off by the couch and two stuffed chairs.

26 The couch on the eastern side of the living room

7B2

1 next to the body of Sharon Tate, two stuffed chairs, one
2 to the south and north of this area, and then the fireplace
3 to the west of this area.

4 Q Where were the two bodies in relation to each
5 other?

6 A Sharon Tate's body was next to the couch and
7 Jay Sebring's body was forming a right angle, if you were
8 to elongate two lines, and it would form a right angle --
9 he was over with his head toward Sharon Tate and his feet
10 away.

11 Q What side of the couch were they on, the side
12 facing the fireplace?

13 A Yes.

14 Q I show you People's 117 for identification.
15 Do you know what is shown in that photograph?

16 A Yes, this is the scene I have just described.

17 Q Is this photograph a fair and accurate
18 representation of the way Sharon Tate and Jay Sebring
19 looked when you arrived at the scene?

20 A That's correct. She is next to the couch and
21 if you drew a line it would form a right angle with the
22 body of Sebring which is next to the stuffed chair.

8

1 Q Did you indicate earlier that Mr. Sebring's
2 head was facing towards Miss Tate?

3 A Yes.

4 It appeared to me this way (indicating).

5 Q And in the diagram here, does it not look like
6 actually Jay Sebring's feet were closer to Sharon Tate than
7 his head?

8 A Yes, that is correct.

9 Q But his head is faced in the direction of
10 Sharon Tate?

11 A After you took off whatever he had on, which I
12 believe was a towel.

13 Q But Jay Sebring's head was farther away from
14 Sharon Tate's body than his feet were? His feet were
15 closer; is that correct?

16 A That is correct.

17 Q You will notice a rope which appears to
18 connect Sharon Tate to Jay Sebring; is that correct?

19 A That is correct.

20 Q When you arrived at the scene, was that rope
21 in one piece?

22 A Yes.

23 Q Were you present when a representative of the
24 Coroner's Office cut that piece of rope to separate the
25 bodies of Sharon Tate and Jay Sebring?

26 A Yes.

32

1 Q And were you given those two ropes ultimately?
2 Well, it started out as one rope; is that
3 correct?

4 A It was one rope.

5 Q Then, when it was cut, there were two pieces;
6 is that right?

7 A That is correct.

8 Q Were you ultimately given these two pieces of
9 rope by the Coroner's office?

10 A Yes.

11 THE COURT: Mr. Bugliosi, may I see that?

12 (The document is handed to the Court.)

13 MR. BUGLIOSI: Q I show you People's 41 for
14 identification.

15 Have you ever seen this piece of rope before?

16 A Yes.

17 Q What rope is that?

18 A That is the portion that was connected to
19 Sharon Tate and over the beam.

20 Q This rope was given to you by a representative
21 of the Coroner's office?

22 A That is correct.

23 Q Do you have the other piece of rope that was
24 around Jay Sebring's neck?

25 A Yes.

26 Q Did you bring it to court with you?

-3
1 A Yes, I did, but it has been cut a bit. I have
2 the rest of it.

3 MR. BUGLIOSI: May we see it?

4 (The witness leaves the stand and produces some
5 rope.)

6 MR. BUGLIOSI: Is this the rope right here, Officer?

7 THE WITNESS: That is correct.

8 MR. BUGLIOSI: Your Honor, I have another piece of
9 rope.

NDX 10 May it be marked People's 194 for identification?

11 THE COURT: It will be so marked.

12 MR. BUGLIOSI: Q I show you People's 194 for
13 identification, Officer.

14 This is the rope that was around Jay Sebring's
15 neck; is that correct?

16 A That is correct.

17 Q I notice a couple of other pieces here, Officer.
18 What are these pieces of rope?

19 A These are pieces that I have given out to
20 various investigators.

21 Let me see what number I have given these.

22 Q You have cut these pieces from the main rope;
23 is that correct?

24 A I cut these pieces from part of the rope of the
25 two parts that the Coroner handed me. (Pause while the
26 witness looks at his notes.)

1 THE WITNESS: Okay. That rope is marked G28.

2 MR. STOVITZ: Q What rope is that, the one
3 that you are holding now?

4 A I have two portions. One was 30 feet, 1 inch,
5 which is that portion.(Indicating)

8A

6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

8a-1

1 Q You say "that portion." You are referring to
2 the previous rope I showed you?

3 A That is correct.

4 Q People's 41 for identification?

5 A That is the portion that I marked G28,
6 because I ran some analyses on that.

7 Q How long was that rope?

8 A That was 30 feet one inch.

9 Q What about the rope that was around Jay
10 Sebring? How long was that rope?

11 A 13 feet seven inches.

12 Q The rope, in one piece, was how long?

13 A 43 feet eight inches before it was cut by
14 the Coroner, or the Coroner's representative.

15 Q Now, again referring to these two pieces right
16 here. These are the two pieces that you cut from the
17 Jay Sebring rope?

18 A Yes.

19 I have marked a Y here. The portion X to
20 Y was six inches of rope that was given to Investigator
21 McGann for some follow-up investigation.

22 So, there should be another portion marked X,
23 which would be the connection where it was once connected.

24 Q Which you do not have right now?

25 A I may have. (Pause.)

26 Well, maybe not.

1 I have another part here that is marked XX.
2 This XX was a 12-inch section that I gave to Investigator
3 Calkins on 4/6/70.

4 XX to XY was another portion, 12 inches, which
5 I gave away.

6 Q So, I take it that you cut off several small
7 portions of the Sebring rope?

8 A Yes.

9 Q And you gave it to Investigators of the Police
10 Department?

11 A Yes. And also to companies to try to identify
12 the rope.

13 MR. BUGLIOSI: May the two pieces of rope be marked,
14 one 194-A for identification and the other one 194-B for
15 identification?

16 THE COURT: They will be so marked.

17 BY MR. BUGLIOSI:

18 Q You conducted an examination to determine the
19 type of rope this is; is that correct?

20 A Yes.

21 Q I am referring now to People's 194 for
22 identification and also People's 41 for identification.

23 What type of rope is it?

24 A That is three major strand.

25 Q It is three strands?

26 A Yes.

194-A
194-B

1 Q What material?

2 A I found it to be nylon.

3 Q So, it is three-strand nylon rope; is that
4 correct?

5 A Yes.

6 Q Now, when that rope was in one piece, and you
7 say it was 43 feet some inches, could you describe the
8 manner in which that rope was tied around Jay Sebring and
9 Sharon Tate?

10 A I brought some rope from the laboratory to
11 try to show this.

12 The rope around Sharon Tate was looped a couple
13 of times around her neck in this manner.

14 This end here was tied, and it went toward
15 the direction of Sebring.

16 This end here was over a beam, with the end of
17 the rope just touching the floor of the residence.

18 The other part of the rope that went from
19 Sharon Tate to Sebring went around Sebring's neck twice,
20 and then wound inward thusly, forming a type of knot that
21 was holding tight onto the neck of Jay Sebring.

22 This rope was over a towel which was over his
23 head.

24 Then the end from there, after it went through
25 such a manner and tied, was free to the side.

8b fls.

26

B-1

1 Q Mr. Sebring's head had a towel over it?

2 A Yes. Covering his face.

3 Q And then the rope was on top of the towel?

4 A That is correct.

5 Q Do you recall whether the rope around Sharon
6 Tate's neck was tied tight or loose or moderately, or what?

7 A It was tight, but it was just wound twice
8 around and snugly, but the rope did not go in and form a
9 knot.

10 Q Could you repeat that last sentence, officer?

11 A It went around twice around her neck and was
12 snug around her neck but it did not form a loop inward,
13 a double loop forming a tie like it did in the Jay Sebring
14 tie.

15 Q But it was tied around Sharon Tate's neck; is
16 that correct?

17 A Yes.

18 Q How was it tied around Jay Sebring? Was that
19 tight?

20 A That was tight also. 77

21 MR. BUGLIOSI: I have here another photograph of a
22 male Caucasian, your Honor.

23 May it be marked People's 1 95 for identifi-
24 cation?

25 THE COURT: It will be so marked.

26 MR. BUGLIOSI: Q I show you People's 195 for

3B2

1 identification.

2 Do you know what is shown in that photograph?

3 A Yes.

4 This is the rope, and this is the body of
5 Jay Sebring after the towel was removed, and there is the
6 loop of rope twice around his neck.

7 Q When you first arrived at the scene, was the
8 towel covering Jay Sebring's face?

9 A Yes.

10 Q And eventually it was removed from his face;
11 is that correct?

12 A Yes.

13 Q Or pulled back?

14 A Yes. By one of the Coroner's representatives.

15 Q And when it was pulled back, his body looked
16 the way it is depicted in People's 195 for identification?

17 A That is correct.

18 Q I show you People's 14 for identification.

19 Do you know what is shown in that photograph?

20 A Yes. This shows the beam.

21 Q This is the beam in the living room?

22 A Leading to the loft on top of the living room.

23 It shows the area where the bodies were. It
24 shows the rope leading from Sharon Tate's neck on to the
25 overhead of the beam and downward onto the floor.

26 Q That photograph that you are looking at right

8B3

1 now, that doesn't show Sharon Tate's body or Jay Sebring's
2 body, does it?

3 A Which one is that?

4 Q The one that you are looking at, People's 195
5 for identification.

6 A No, I cannot see -- yes, I can see one body
7 there.

8 Q What body can you see?

9 A I can see the body of Sebring, and I can see the
10 covered body over here.

11 Q You can't see the face of Sebring here, can you?

12 A No.

13 Q You can't see the face of Sharon Tate?

14 A No.

15 THE COURT: Mr. Bugliosi, we will recess at this
16 time.

17 Ladies and gentlemen, do not converse with any-
18 one or form or express any opinion regarding the case
19 until it is finally submitted to you.

20 The Court will recess until 2:00 p.m.

21 (Whereupon, at 12:01 p.m. the court was in
22 recess.)
23
24
25
26