

1 investigator can establish lividity and some other  
2 things?

3 A Correct.

4 Q And lividity being blood settling?

5 A Blood settling, yes.

6 Q Okay. And that would indicate whether or not a  
7 victim had been moved?

8 MR. SANDERS: Objection, your Honor, to the  
9 prosecutor testifying.

10 MR. THOMAS: I can ask or rephrase it.

11 THE COURT: In a way that's it's not leading,  
12 go ahead.

13 MR. THOMAS: As far as lividity is concerned,  
14 do you know other than establishing --

15 THE COURT: Just a second. Counsel, are you  
16 going to be asking these same questions of the person  
17 who was there --

18 MR. THOMAS: I can ask the pathologist these  
19 questions.

20 BY MR. THOMAS:

21 Q I'm going to show you Exhibit 34.

22 Looking at Exhibit 34, is that when the body is  
23 being rolled?

24 (Whereupon Exhibit 34 was marked  
25 for identification.)

26 THE WITNESS: Yes.

27 BY MR. THOMAS:

28 Q Then afterwards, was there a picture taken of

1 the bed after the body was removed?

2 A Yes.

3 Q I'm going to show you Exhibit 18.

4 Do you recognize that exhibit?

5 (Whereupon Exhibit 18 was marked  
6 for identification.)

7 THE WITNESS: Yes.

8 BY MR. THOMAS:

9 Q What does that exhibit depict?

10 A The top of the water bed with the blanket,  
11 sheet with body fluids present on the sheet.

12 Q Then as far as all of the photographs that I've  
13 shown you that you've been able to identify, so  
14 excluding those ones that you said I don't know what's  
15 in these photographs, are all those photographs true and  
16 accurate depictions of the crime scene as you saw it  
17 back on September 23rd, 1985?

18 A Yes.

19 Q Did you do an investigation in the interior of  
20 the residence to determine if you could see any signs of  
21 forced entry?

22 A Yes.

23 Q Did you find anything to indicate there was a  
24 forced entry?

25 A No.

26 Q Did you find any indications that there was a  
27 theft or some sort of burglary at the location?

28 A No.

1 MR. THOMAS: Nothing further at this point.

2 THE COURT: Mr. Sanders, do you have any  
3 questions?

4 MR. SANDERS: If I may have just a moment,  
5 your Honor? No questions. Thank you, your Honor.

6 THE COURT: Okay. May Sergeant McCoy be  
7 excused?

8 MR. THOMAS: Yes.

9 MR. SANDERS: If he may remain on call.

10 MR. THOMAS: Can we approach on that?

11 THE COURT: Sure.

12 (Whereupon the following proceedings were held at the  
13 bench out of the hearing of the jury:)

14 MR. THOMAS: Sergeant McCoy is from Idaho.  
15 The DA's Office had to fly him in here. He's  
16 scheduled to leave first thing Wednesday morning to go  
17 back to Idaho.

18 MR. SANDERS: Can we agree if there's a  
19 statement that I need to corroborate, we can use his  
20 report?

21 MR. THOMAS: Yeah.

22 MR. SANDERS: Okay.

23 MR. THOMAS: I don't have any problem with  
24 that.

25 THE COURT: In other words, make sure we  
26 understand, he said, I don't see anything wrong with  
27 that. He's concerned that he's going to have  
28 Joe Smith on the stand and Joe Smith is going to

1 testify differently than the report that McCoy made  
2 back in 1985.

3 MR. SANDERS: We have an agreement that we  
4 can use those reports for that purpose.

5 MR. THOMAS: Okay.

6 THE COURT: So in other words, I can tell him  
7 that he's subject to recall, but it's a technicality  
8 that he's going to be going; right?

9 MR. THOMAS: Yes.

10 MR. SANDERS: Yes.

11 (Whereupon the following proceedings were held in open  
12 court in the presence of the jury:)

13 THE COURT: Or in the alternative, we could  
14 simply excuse him subject to the stipulation?

15 MR. SANDERS: Excused.

16 MR. THOMAS: Yes, your Honor.

17 THE COURT: Sergeant McCoy, thank you for  
18 being with us, sir. You are excused.

19 THE WITNESS: Thank you.

20 THE COURT: Call your next witness.

21 MR. THOMAS: People call Donald Jones.

22 THE CLERK: You do solemnly state that the  
23 evidence you shall give in the matter pending before  
24 this Court shall be the truth, the whole truth, and  
25 nothing but the truth, so help you God?

26 THE WITNESS: I do.

27 THE CLERK: Thank you. Please be seated.

28 THE BAILIFF: Please state your full name and

1 spell it for the record.

2 THE WITNESS: My name is Donald Thomas Jones  
3 D-o-n-a-l-d T-h-o-m-a-s J-o-n-e-s.

4 THE COURT: Good afternoon, Mr. Jones.

5 THE WITNESS: Good afternoon, sir.

6 THE COURT: Your witness, Mr. Thomas.

7 MR. THOMAS: Thank you, your Honor.  
8

9 **DONALD JONES**, having been duly sworn,  
10 testified as follows:

11 **DIRECT EXAMINATION**

12 BY MR. THOMAS:

13 Q What is your current occupation?

14 A I'm a criminalist with the San Bernardino  
15 County Sheriff's Department. Basically a forensic  
16 scientist who works in the crime laboratory.

17 Q When you say forensic scientist, what does that  
18 mean?

19 A It means someone who has received training with  
20 regard to the laws of natural sciences and applies that  
21 to physical evidence as it is necessary for  
22 investigations for court purposes.

23 Q And how long have you been employed with  
24 San Bernardino County as a criminalist?

25 A For about 30 and a half years.

26 Q And as far as your qualifications to be a  
27 criminalist, can you briefly describe to the jury what  
28 your qualifications are?

1           A       It's pretty basic to be a criminalist.  You  
2 need to have a bachelor of science degree in some sort  
3 of natural science.  I have a bachelor of science degree  
4 in chemistry from California State University at  
5 Northridge.  I have a -- went back to school to get a  
6 master's degree in biology from California State  
7 University at San Bernardino.

8                   In order to do some of the specialized  
9 techniques that we do at the laboratory, we do receive  
10 additional training, either in-house practical exams or  
11 through additional training that we go to outside  
12 agencies, such as, the Federal Bureau of Investigation,  
13 California Criminalistics Institute, or there are some  
14 private organizations which will train us in various  
15 techniques we use in the crime laboratory.

16           Q       Then during your 30-plus years as a  
17 criminalist, did you continue to be educated and go to  
18 different classes that you attend in order to progress  
19 in the things that you do as a criminalist?

20           A       Yes, sir.  There were classes and courses of  
21 which I have just got finished talking about.  In  
22 addition to that, there's a professional organization I  
23 belong to, the California Association of Criminalists.  
24 We have semiannual meetings.  We have study groups in  
25 which we can attend to exchange information with other  
26 forensic scientists who are either in the same  
27 discipline or field that I'm in or in related fields,  
28 and we get to exchange information about what's

1     happening in our laboratory, in our region with what's  
2     happening in other regions, either of the state or of  
3     the country.

4           Q     Are there any licenses or certificates that you  
5     need to do what you're doing as a criminalist?

6           A     There are -- there is a certification program.  
7     It is not a requirement. I am not certified. There  
8     was, for the individual laboratories, what's called an  
9     accreditation program that is required primarily to do  
10    forensic DNA work. You must have -- you must be an  
11    accredited laboratory. Our laboratory has been  
12    accredited through an organization called the American  
13    Society of Crime Lab Directors. They're a laboratory  
14    accreditation board since 1995.

15          Q     And what are some of the things that you've  
16    done or fields that you've been in as far as a  
17    criminalist and things that you've done as a criminalist  
18    in San Bernardino County?

19          A     When I was first hired, I primarily worked in  
20    the areas of controlled substance analysis, looking at  
21    drugs and narcotics and forensic alcohol analysis, doing  
22    blood alcohol samples, working with breath alcohol  
23    instruments.

24                 I also did crime scene investigations. As kind  
25    of a subset of crime scene investigations, I did  
26    clandestine laboratory investigations, illegal drug  
27    labs.

28                 I worked a short amount of time on a few cases

1 in what's was called trace analysis, looking at maybe  
2 hairs or fibers or paints, shoe prints, and so on, but  
3 in about 1984, 1985, I began to specialize in the area  
4 that is now called forensic biology. At the time it was  
5 called serology. It was the identification of  
6 physiological fluids and the characterization -- or  
7 comparison of physiological fluids and stains.

8 Q Okay. And now it's forensic biology?

9 A Forensic biology was developed over the years.  
10 Right now the primary area that is known in forensic  
11 biology is forensic DNA work, and I have been trained in  
12 forensic DNA. I went to an FBI course back in 1990. It  
13 was one of the initial pushes of our laboratory to put  
14 forensic DNA work online. It wound up replacing the  
15 conventional serology techniques we used prior to that.

16 Since then, forensic DNA has changed in a  
17 number of ways with advances of different technologies  
18 that have come along with some of the research projects,  
19 the human genome project. Forensic science is kind of  
20 an applied science, which is a nice way of saying the  
21 techniques that are used in pure research, we steal them  
22 and use them to analyze evidence and so forth. We apply  
23 the techniques they have developed for these other uses  
24 in a specific area of looking at evidence especially  
25 evidence in criminal investigations.

26 Q And you said that forensic biology kind of  
27 replaced serology. What was some of the major  
28 differences between what you did in serology area versus



1 what you're doing now in forensic biology?

2 A To get down to the technical parts, forensic  
3 serology most of time you looked at the fluids that were  
4 left behind, the liquid part, the blood or say the blood  
5 or saliva or semen samples and so on, the fluids.

6 When you get more to forensic DNA work, you're  
7 no longer looking at the fluid part of it. You're  
8 looking at the cells that are there because that is  
9 where the DNA is housed, and so it -- it really shifted  
10 the focus from basically the water part of the biology  
11 to the cellular part of the biology.

12 In so doing, what it did was it allowed us to  
13 become more specific in terms of who could have left a  
14 particular sample. It's called the discriminating power  
15 of the genetic markers we would get looking at serology.  
16 It was not very powerful. We would be -- we'd feel  
17 really good if we could get a number that said one in a  
18 hundred or one in a thousand people could have left that  
19 stain.

20 When you look at DNA, it is much more  
21 discriminating because of the markers we look at in DNA  
22 and in the relative biology of what these markers are.  
23 It allows us to look instead of one in a hundred or one  
24 in a thousand, one in a billion, one in a trillion, one  
25 in a quadrillion.

26 Q As far as specific training that you received  
27 in the area of forensic biology, you already told us  
28 that you went to a month-long course by the FBI academy?

1           A     Yes, sir.

2           Q     What other stuff have you done?

3           A     The California Criminalistics Institute has a  
4 number of courses that it put on. When a particular  
5 technology came out, which uses what's called the  
6 polymerase chain reaction, it allowed us to look at  
7 smaller amounts of DNA.

8                     The initial course I took at the FBI, in order  
9 for it to be applied to evidence, you need to have a  
10 fairly large stain that had a lot of DNA in it. If the  
11 stain was a mixed stain, say of semen and blood or semen  
12 and something else, you could separate the semen out,  
13 the sperm cells. You could separate them out and get  
14 the DNA, but you needed a lot of it in order to get the  
15 technology that was in play at that time.

16                    With the advances, as I mentioned, with the  
17 human genome project and other researching, they  
18 developed this process called the polymerase chain  
19 reaction, which allows you to take a small amount of  
20 DNA, that previously we couldn't do anything with, and  
21 it puts it into a molecular Xeroxing mode and copies the  
22 information millions of times. In so doing, it then  
23 produces enough material for us to actually work with  
24 and get an answer.

25                    This became really advantageous in forensics  
26 where a lot of times the samples that you get are not  
27 big stains. They are small stains, and maybe something  
28 as a cigarette butt and so forth. Previously we weren't

1 able to do a lot with those. With the advances, we were  
2 able to take a look at skin cells that were left on the  
3 cigarette butt.

4 The courses that I took then started to train  
5 me as to how to apply these technologies, and the kits  
6 that were being produced by certain commercial  
7 manufacturers, to the analysis of these -- to the  
8 analysis of evidence and the DNA that I recovered from  
9 evidence.

10 Over the last ten years, the -- the kits and  
11 the DNA markers that we look at have pretty much  
12 plateaued or stabilized such that we have a set of DNA  
13 markers or DNA locations that we look at. That is  
14 pretty standard across the nation, so that a -- a sample  
15 that I look at in San Bernardino County, and I can do  
16 some DNA typing on it, can be compared to samples done  
17 in Kansas City or in Tampa or anywhere across the  
18 nation.

19 A lot of the western hemisphere uses the same  
20 set of DNA markers, so my results can be compared to  
21 either offender samples or to crime scene samples that  
22 are typed in other laboratories across the country.

23 Q Then you referred to it as polymerase chain  
24 reaction. That's also referred to as PCR?

25 A It's much easier to say PCR.

26 Q I'll start referring to it as PCR. PCR is  
27 basically the process by which you multiply whatever  
28 cells you have and DNA cells and make it into -- where

1 you might have few make it into millions?

2 A Roughly.

3 Q Does that seem accurate?

4 A What the PCR process does is it mimics what our  
5 body does. Our body will have a cell that has various  
6 organs in it. It has a nucleus, and in order for us to  
7 grow, our cells have to divide. In order to divide, the  
8 DNA has to duplicate itself, has to replicate itself.

9 Well, this PCR process mimics that replication  
10 process. It doesn't do it exactly the same way the cell  
11 does because we don't need all of that information. We  
12 don't need the entire DNA strand duplicated. We need  
13 certain segments.

14 What they've done is they've designed a kit.  
15 That kit will look at the specific DNA segments that we  
16 are interested in and copy them and copy the  
17 information, and they do that the same way the cell does  
18 in terms of by what's called division or duplication  
19 just again and again and again.

20 It really has assisted us in being able to type  
21 more and more forensic samples, some that in times  
22 passed we didn't get enough DNA. Now we can process it  
23 through this PCR and be able to get results and be able  
24 to compare the results then to other results, either  
25 other evidentiary samples or from known reference  
26 samples.

27 Q As far as the PCR process, is that generally  
28 accepted in the scientific community as reliable and

1 accurate?

2 A Yes, sir. It is relied upon.

3 Q Okay. And then as far as your experience --  
4 going back to your experience as far as that's  
5 concerned, have you testified in court prior to today  
6 regarding DNA analysis?

7 A Yes, sir, I have. I've testified twice within  
8 the last year. There was a period of time where I was  
9 not in forensic DNA. For a period of ten years, I was  
10 basically in supervision and so forth. Prior to that,  
11 there was a period of about ten years that I was in DNA,  
12 and I would say I think I testified probably close to  
13 50 times.

14 Q And then as far as publications and  
15 presentations that you've done regarding DNA, have you  
16 done some of those?

17 A Yes, sir, I have.

18 Q Approximately how many of those presentations  
19 or publications have you done?

20 A I should know the exact number of that, but I  
21 don't.

22 Q Generally?

23 A Generally, I'd say 10 to 12.

24 Q And then as far as your current assignment,  
25 you're currently assigned to the forensic biology area?

26 A Yes, sir. I'm currently assigned to do case  
27 work in the forensic biology unit. I've been doing --  
28 back doing case work again now for a little over a year.

1 Q Back in September, specifically September 23rd  
2 of 1985, what was your assignment then as a criminalist?

3 A I worked in the serology unit at that time, and  
4 I also was assigned to crime scene investigations.

5 Q So that meant you went to a lot of crime scenes  
6 as part of your job or duty as a criminalist?

7 A Yes, sir. As part of my job, every six weeks  
8 or so I was on call for a week. If a major  
9 investigation needed my assistance to go out and  
10 document the evidence or collect the evidence, then I  
11 got paged in the hours of the day and night and would go  
12 out to do that. If it were -- if it was a major scene,  
13 then sometimes a couple of us would go out and do that  
14 work with each other.

15 Q Then as far as going specifically to  
16 September 23rd of 1985, did you respond to a homicide  
17 location located at 35435 Highway 18 in Lucerne Valley,  
18 county of San Bernardino?

19 A Yes, sir, I did.

20 Q When you got to that location, what were you  
21 assigned to do?

22 A I was assigned to basically process a homicide  
23 scene. There was a single female victim inside the  
24 residence. There was some -- there was evidence in --  
25 primarily in a bedroom, some other items of evidence of  
26 interest in other parts of the house. My partner -- I  
27 had a partner working with me at the time,  
28 Dave Stockwell (phonetic), and Dave and I processed the

1 scene.

2 Q Then as far as the scene was concerned, do you  
3 recall processing the victim's bedroom?

4 A Yes, sir.

5 Q And during processing of the victim's bedroom,  
6 did you locate certain items of significance that you  
7 noted?

8 A There were a number of items that we -- we  
9 noted in the bedroom and collected. Then there were a  
10 couple of techniques we used for collecting evidence in  
11 there.

12 Q Let's start with there was a watchband pin. Do  
13 you recall that?

14 A Yes, sir. There was a watchband pin that was  
15 near the victim's head on the bed. The bed was a water  
16 bed, and the pin was up just to the side of the victim's  
17 head.

18 Q I'm going to show you a photograph that's been  
19 marked Exhibit 12.

20 Do you see that particular watchband pin  
21 depicted in Exhibit 12?

22 A Yes, sir, I do.

23 Q And that's the pin that looked -- appears in  
24 the center of the photograph?

25 A That's correct.

26 Q Just below it there appears to be a ruler.

27 Do you see that?

28 A Yes, sir.

1 Q There appears to be several different lines on  
2 that ruler, some longer than others on the top and -- or  
3 the top ones are longer than the ones on bottom.

4 Do you see that?

5 A Yes, sir.

6 Q What do the top lines represent, if you know?

7 A If I may use the pointer?

8 Q Yes.

9 A This ruler from end to end is about six inches.  
10 Each of these dark lines along the top is one inch.  
11 These smaller lines are each a centimeter. You have  
12 2.54 centimeters to an inch or so. If you were looking  
13 at the watchband, it looks like it's something like  
14 probably three quarters of an inch or so.

15 Q Then for those of us that aren't familiar with  
16 watchband pins, what are they used for?

17 A Watchband pins are used to hold the watchband  
18 on. At the edge of the watch, there are a couple of  
19 holes -- the pin itself is spring loaded. It can be  
20 depressed inside then put through a sleeve in the  
21 watchband and then released and it will expand into two  
22 receiving holes at the edge of the watch thereby holding  
23 the watchband onto the watch itself.

24 There are usually two of them; one on either  
25 side of the watch to hold the band in place so it can be  
26 strapped to your wrist or to something else.

27 Q And that particular photograph with the size of  
28 that particular watchband pin, did you -- were you able



1 to locate a watch that possibly could have fit that  
2 watchband pin or this watchband pin could have fit that  
3 watch?

4 A I don't remember seeing a watch or collecting a  
5 watch. No, sir.

6 Q Then as far as the bed was concerned, you were  
7 in charge of looking over the bed and making sure that  
8 you're not missing any items that were located on the  
9 bed?

10 A Yes, sir. In fact, we had a systematic way in  
11 which we entered the room to start with, starting with  
12 vacuuming the floor at the entry part of the door,  
13 collecting evidence that was along the, as you looked at  
14 the bed, the right side of the bed, then vacuuming the  
15 floor there, vacuuming the floor around the other side  
16 of the bed. We did a tape lift of the body. We  
17 vacuumed the surface of the bed being careful not to  
18 scoop that up and collected that. There was some other  
19 items, a couple of pillows and some cloth and clothing  
20 material that were -- that was on the bed also.

21 Q Then as far as watchband pins, are they all the  
22 same length or do they have different lengths?

23 A I believe they have different lengths. It  
24 would depend on the size of the receiver of the  
25 individual watches. That particular pin looks very  
26 similar to the size of one I've got in my watch. I just  
27 replaced my watchband yesterday. Interesting that you  
28 asked about watchband pins.

1 Q Now, as far as the particular watch that you're  
2 wearing, the band itself, how big is the band, would you  
3 say?

4 A In terms of the width of the part of the band  
5 where the pin would go, probably approximately three  
6 quarters of an inch to an inch.

7 Q Then when you were doing your investigation of  
8 the bedroom area, you didn't find any watch during your  
9 search that could match that watch pin?

10 A Not that I recall, no, sir.

11 Q Okay. Would referring to your report refresh  
12 your recollection as to whether or not you collected any  
13 watches or --

14 A I referred to my report a lot while I was  
15 sitting in the hallway. I referred to my notes also. I  
16 don't remember any mention of a watch.

17 Q So there's no mention in any of the reports  
18 that you reviewed of a watch being found similar to the  
19 size of that watchband?

20 A That's correct.

21 Q Okay.

22 MR. SANDERS: What page are you referring to?

23 MR. THOMAS: 349.

24 MR. SANDERS: Thank you.

25 BY MR. THOMAS:

26 Q As far as photographs were concerned, did you  
27 take photographs or were you present when photographs  
28 were taken?

1           A       I was present when they were taken, but I did  
2 not take them. I believe we had two people from the  
3 identification division, I believe, Tom Moody and  
4 Jeff Bedetti (phonetic) were present at the scene.

5           Q       I'm going to show you what's been marked  
6 Exhibit 11.

7                   Looking at Exhibit 11, can you see what's  
8 depicted there?

9           A       I see what's depicted. I believe I know what  
10 this is. If I could refer to my crime scene notes, I  
11 could get a relative idea.

12          Q       Would that refresh your recollection?

13          A       Yes, sir. Yes, sir. That appears to be a pair  
14 of panties that were, as you look at the bed, they were  
15 along the right side near the top. They were on the  
16 floor actually on the carpeting.

17          Q       Then as far as the photograph -- I forget what  
18 exhibit that is.

19          A       Exhibit 11.

20          Q       Exhibit 11, there also appears to be some  
21 eyeglasses of some sort?

22          A       Yes, sir. There was a pair of eyeglasses that  
23 were underneath a table-like area there.

24          Q       Were those eyeglasses damaged in any way that  
25 you could tell?

26          A       I don't remember, and I don't have any notes to  
27 that.

28          Q       As far as the collection of evidence, did you

1 actually collect any evidence from the victim herself,  
2 swabs or anything like that?

3 A Yes. We collected two vaginal swabs and then  
4 prepared basically a microscope smear of one of the  
5 swabs.

6 Q And when you go to a crime scene and you do  
7 something like that, are you familiar with what they  
8 call an LR number?

9 A Yes, sir.

10 Q What is that?

11 A An LR number is a number that our crime lab  
12 gives each particular investigation we come involved  
13 with. This particular investigation was given the LR  
14 number of 44659.

15 Q As far as that LR number is concerned, is that  
16 a unique number to an individual case?

17 A Yes, it is.

18 Q Excuse me. As far as the particular LR number  
19 in this case, what was it?

20 A I did just say it. It was 44659.

21 Q I'm sorry. As far as that number, is that a  
22 number that ever changes? Let's say it's given to a  
23 case in 1985, in 2011 is that the exact same number?

24 A Yes, sir. When we initially get a case, that  
25 particular case is given that number and then any  
26 evidence that comes in is associated with that LR  
27 number. At the time that we made the collection of  
28 evidence on September 23rd, 1985, we collected items,