SUPREME COURT OF VIRGIN 2 THE CIRCUIT COURT OF NORFOLK

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DATE: May 27, 1981

BEFORE: The Honorable Alfred W.

Whitehurst

APPEAPANCES:

ROBERT C. SLAUGHTER, III, Assistant Commonwealth's Attorney, Appearing on behalf of the Commonwealth.

CHARLES V. BASHARA Attorney for the Defendent COURT

I, Lois Baker McLellon, RPR, do hereby certify that the foregoing pages are a true and correct transcript of my Stenotype notes of the proceedings had at the time and place in the caption mentioned. This Jul day of Sylinker

1981.

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Court Reporter

Yes, sir. Hair identification

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Q. Could you tell us a little bit bout the nature of these hair comparisons?

vary from one person to another. Tobre with individual characteristics within a hadr which we view altroscopically. First we would view the known sample of hair from any individuals involved to find the individual characteristics within those hairs, and then we use a special microscope, comparison microscope which is two separate microscopes joined with a bridge so I can view two hairs at one time in the same field.

myself with each set of known hair and the characteristics in the hair, I would compare an unknown hair with each of the known samples to find out if I see any characteristics in the unknown hair represented in the known hair.

Some of the individual characteristics I'm speaking about -- first, let me describe a hair.

A hair on the outside has a cuticle. All hair has a cuticle. This takes the form of scales. I have an illustration

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Q. Well -- well, that's all right.

We don't have a jury here today. Judge, do you want to see that?

THE COURT: Of course, if she has it handy.

MR. BASHARA: It might enlighten us all.

THE COURT: And cuticle, what would that word mean?

THE WITNESS: Cuticle is a cutaneous type tissue. Like we have cuticle around our fingernails. Sometimes it's a, it's a type tissue we can look through. We mount these hairs in a medium with the same refractive index so we can look through the cuticle into the inner portion of the hair. This is what the hair looks like. The cuticle takes the form of scales. These vary in shape and size and thickness and whether there is pigmentation. Right inside the scales in this part we call the cortex are many other characteristics. If the hair has color, it has pigment granules you see represented here. the cross section, they look like dots. On the longitudinal section, they look like stripes.

The shape of these, the size and their distribution across the diameter are individual characteristics that vary from one person to another.

In addition to the pigment granules, sometimes we see empty feeding tubes in the cortex. When your hair is growing, there are tubes that feed it and cause it to grow. These die off. We see remnants sometimes in the cortex. This is an individual characteristic whether they're present.

In the center is the medulla. A bunch of air sacs. The size and shapes and distribution are all individual characteristics. In this ricture, the medulla looks regular and even but often we see it varies in diameter and sometimes we see pieces down the hair shaft. These are individual characteristics. All hair has these characteristics. At least hair with color. But they vary in the various ways I mentioned.

THE COURT: Yes, ma'am.

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- When you examine any two half can you ever say for sure they came from person?
- What would be the greates degree of certainty you can arrive at in deciding whether they came from the same person?
- I could say they could ha originated from the same person. The reason I would never be able to say they did come from the same person, I would have to compare that unknown hair with hair from everyone else, at least within that race, and with a good statistical base and that would be an impossible task.
- Q. In your work, do you analyze body fluids?
 - Yes, sir, I do. A .
- Could you tell us a little bit 0. about the nature of the work you do with body fluids and the significance that analysis might have in a rape case?
- First let me explain -- I'm sure you're familiar with blood typing. You may

of you're a non-secretor, none of your body secretions would have your A, B, G factors. If you're a secretor, I can determine these factors the same as we might determine your blood type. Where we have a combination of secretions, where intercourse has taken place we may have a combination of seminal and vaginal, or seminal and saliva or any other secretion. We may have a combination of the A, B, O factors from the two people involved if they're both secretors. Or if only one is a secretor, we would determine just the one person's A, B, O factors.

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Q. A woman's vaginal fluid, would that be the same type, the saliva and vaginal fluid?

A. If she's a secretor, all the secretions would have the A, B, O factors.

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old you receive swabs from re the victim is Thompson and the is Davidson?

Yes, sir. I received a PERR kit from the victim, bed sheets, pillow cases, bed clothing, tissues used by suspect and cigarette butts. In another submission, I received a physical evidence recovery kit for the suspect, and in another submission I received additional puble hairs and saliva samples from the victim. Then in an additional submission, I received saturated saliva swabs from the suspect.

Did you conduct any tests having to do with the physical evidence recovery kit from the victim?

Yes.

First, how did you receive that? How was it packaged and whatever?

It was in a brown manila envelope and sealed and identified.

What test did you perform with regard to the physical evidence recovery kit from the victim?

Only thing contained was a towel with a comb and a bag with two pubic hairs in

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it. This towel and comb also had many blood crusts dried on it, and in the towel I found three hair fragments all consistent with Negro

- Q. Did you conduct any analysis on these hairs, comparisons of anything?
 - A. Yes, I did.
 - 0. What were those?
- with both the known public hairs from the victim and the known public hairs from the suspect and found that two of the hairs were consistent with and could have originated from the victim. The third hair was consistent with and could have originated from the suspect.
- Q. The hairs in that PERK kit from the victim was hair from the pubic combings?
 - A. That is correct.
- Q. Where did you get the hair you compared this with?
- A. In the original PERK kit from the victim, I had two known pubic hairs in a bag and then I received an additional -- two is not enough. I like to have more variety, so I

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MR. BASHARA: Combings from the

No, I had no combings from the suspect. If I did, I didn't use them because it was much later when I got them. The three hairs I didn't know where they came from were . in the combings taken by the doctor from the victim's pubic area. Two were consistent with the victim's own pubic hairs and one was consistent with the suspect's pubic hair.

MR. BASHARA: That is item one?



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- O. Did you receive swabs from a case where the victim is Thompson and the suspect is Davidson?
- from the victim, bed sheets, pillow cases, Bed blothing, tissues used by suspect and cigateste butts. In another submission, I received a physical evidence recovery kit for the suspect, and in another submission I received additional public hairs and saliva samples from the wictim. Then in an additional submission, I received saturated saliva swabs from the suspect.
- Q. Did you conduct any tests having to do with the physical evidence recovery kit from the victim?
 - A. Yes.
- Q. First, how did you receive that?
 How was it packaged and whatever?
- A. It was in a brown manila envelope and sealed and identified.
- Q. What test did you perform with regard to the physical evidence recovery kit from the victim?
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- 0. Did you wonduck any analysis of these heirs, compatisons of anything?
 - A. Yes, I did.
 - Q. What ware those?
- A. I compared these three hears with both the known public hairs from the victim and the known public hairs from the suspect and found that two of the hairs were consistent with and could have originated from the victim. The third hair was consistent with and could have originated from the public area of the suspect.
- Q. The hairs in that PERK kit from the victim was hair from the public combings?
 - A. That is correct.
- Q. Where did you get the hair you compared this with?
- A. In the original PERK kit from the victim, I had two known pubic hairs in a bag and then I received an additional -- two is not enough. I like to have more variety, so I

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received an additional puble half sample iron
the victim.

- O. Did you at some point receive a known heir from the suspect? Is that included in the disease you listed earlier?
- A. Yes, that is included in the PERK kit from the suspect.
- g. What was the result of the, I'm sorry. You said one hair consistent with pubic hair samples from the suspect.

MR. BASHARA: Objection. That is in the PERK kit.

A. From the victim. That is the combings from the victim.

MR. BASHARA: Combings from the victim and suspect?

A. No, I had no combings from the suspect. If I did, I didn't use them because it was much later when I got them. The three hairs I didn't know where they came from were in the combings taken by the doctor from the victim's pubic area. Two were consistent with the victim's own pubic hairs and one was consistent with the suspect's pubic hair.

MR. BASHARA: That is item one?

BY MR. BLAUGHTER:

Can you say with a greater degree of centurally that it is consistent as ton whether it cane, from the same person?

MR: SLAUGHTER: I think we ought to mark that.

MR. BASHARA: Yes, sir. I think the Commonwealth attorney and defense counsel are reading the same thing and getting something different.

THE COURT: This would be C-1.

I'll mark it C-1 and receive as such. It's the supplemental report.

18 BY MR. SLAUGHTER:

Q. Let's turn to something else.

The two tissues. Item five. Mrs. Burton, did
you conduct examinations with regard to those
tissues?

A. Yes, I did. Initially I examined them for the presence of seminal fluid and identified spermatozoa in two tissues.

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There were four tissues submitted. I found no evidence of seminal fluid in the other two.

Later when I received saliva samples from the victim and suspect, I determined the secretion type of the stains and the secretion type of both the victim and suspect through their

I found that the victim had type O secretion and that the suspect was a non-secretor, which meant that none of the blood group factors, whatever they would be, would be found in his body secretions. I identified spermatozoa on the tissues. If the tissues were used to wipe either, if they were used by say the defendant in wiping himself after any type intercourse, I would expect a combination of secretions to be present on the tissues.

If it were from a vaginal intercourse, I would expect vaginal secretions and seminal fluid. If it were from oral sodomy, I would expect saliva and seminal fluid. If it were from anal intercourse, I would expect anal fluid and seminal fluid or if it were from all three, there might be a combination of all four

The only secretion I can identify with scientific certainty is seminal fluid because of the presence of spermatoxon. I can identify blood group factors agree present. In this case, I was able to determine that the secretions are type 0 and that they did contain seminal fluid.

examined was used by the suspect to wipe his penis after having vaginal, anal and oral intercourse. Would there be fluid, were there fluids on that tissue from the woman?

A. I would certainly expect there to be. From past experiences with types of evidence like this.

Q. But you don't really have a test to determine for sure?

A. No, sir. Except for determining the blood group factors present there.

Q. Assume on the tissue was vaginal fluid from type O secretor. What would that tell you about the secretion type of the man who emitted the seminal fluid?

A. If the vaginal fluid present or

- Q. You examined the secretions from the abspect and what type are they?
 - A. He's a non-secretory
- Q. What percentage of the men are type 02
- A. About 38 percent of the population would be type 0 secretors. About 20 percent would be non-secretors. So approximately 58 percent of the male population could be included in this group.
- Q. Assuming that on this tissue was fluid from the woman's body and she's a type O secretor, what percentage of the male population would be eliminated in determining the identity of the man who emitted the seminal fluid you found?

- A. About 42 percent of the population. This is the whole population. The whole male population.
- Q. What is the significance of this test in this particular case?
 - A. Well, it's a means of

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Turning your attention to C-1.

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male population, which is over half the male population in this country. But let's turn to the hair. We know from C-1; that is your report, and we have already stipulated, laid the ground work for my question to you. We, as lawyers, have stipulated to the Court that this recevery * kit followed the unbroken chain of hands until

it found its way to you and we see you opening

the kit and investigating what is in the Kit.

That's right.

That is item one.

Then we have known quantities. We know we have Negroid hair. We know we have a hair sample from the victim and hair samples from the suspect?

- Right. Not in that first kit.
- Later we received it?
- Right.
- We know you are provided with samples and we have stipulated to the chain of command. Then you go to item two, the alleged victim's bed sheets and you compare the hairs that were noted. None of these hairs are

two? The bed sheets?

Hair samples. How about item

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found in the pubic combings of the victim, hair

received the suspect's in a different package.

That was the third fragment that she was supplied that would be proven to be his hair.

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MR. SLAUGHTER: The combings contained three Negroid pubic hairs. Two of these are consistent with pubic hairs from the victim. The third is consistent with pubic hairs of the suspect.

MR. BASHARA: I asked the question and she said it was not received at the same time. It's in the record

THE COURT: Of course as related, it is consistent with the pubic hair from suspect. She may have said she did receive some later, I believe.

MR. BASHARA: That's right, Your Honor. That was the hair he provided. Not commingled.

THE COURT: Though she seco

it later didn't mean later after the examination. She received it later from the first group, but it was used in this analysis.

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Of course, we have her identification. Now she does mention about the defendant, the stocking cap and, of course, the day before Thanksgiving, he was there. She did not identify him, as you pointed out, to the police when the pictures were presented. Of course, when she saw the picture she said I knew that I knew then. Whether she means that is confirming it in her mind or making certain and so forth.

Then the scientific evidence, of course, as positive as the chemist, the scientific people get, they say it's consistent with and so forth and she went into detail about the secretor, the fact that the victim, she is a secretor and the defendant a

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And where -- your son has been

gentlemen have examined the testimony

interesting and I remember her speaking about
Mrs. Burton, about the two-pronged microscope.

I think we have all seen on film, where both objects are placed under it and she's able to compare. Now true we don't, that is not a fingerprint. The fingerprint by itself in the peculiar place that is not open to the public, so to speak, has been sufficient. The svent

In this case, of course, it's true it would be fine if it were not so but it's true we can't tell if a person is telling the truth by the Adam's apple, if a person is nervous. Sometimes a person that is really nervous is the one more telling the truth if they haven't been used to being on a witness stand. They may be telling the truth more. We can't be certain positively of those types of factors.

The victim, there can be no question of the rape and sodomy and so forth. Her injury and the operation and so on and so forth she had to go through. The 5:15 to six a.m. when it occurred. She used the word, I

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a number of years. Right years or whatever.

But she had not seen him recently but for the day before. And kissed her on the cheek and so forth and that discussion that was mentioned.

It is true and, of course,

defendant as a boy, known for years of course,

certainly I listened intently. She did not give the detective the defendant's name. She did say, We call him brother. Still she didn't identify him. The police came by with the pictures and in response she did say that phrase, that's when I knew that I knew. We asked why not tell the police.

There is another rather significant phrase though. She said he came

Of course, the testimony and pictures, Detective Hockman, he went through, and the various witnesses.

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But without going through all the testimony, of course, Mrs. Burton, the chemist, and the expert and the microscope and the various things. These factors are very important and significant to me. First of all, the identification. She does give an identification. Yes, it is somewhat qualified. She doesn't first give the name. She says she hadn't seen him recently but for the day before. She mentioned he came back about the window, to help you fix the window and so forth. She and

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nail it down.

The defendant coming back. I have come back to fix the window. The pubic hair that combed out of her pubic area. Then there were two hairs, three actually, fraction of another one. When she says consistent with the defendant, that is quite a positive

when she looks at it with the two-pronged microscope and they're the same. She can't say it's the same like a fingerprint, but many factors are identical before she says they're consistent. And there are three pubic hairs, two from her area, and the reason the defendant has two prior felonies is not reason to convict him. That goes to credibility, as we know. No hairs on the sheets. It seems these are factors to consider.

Mr. Fly, Detective Hockman related November 26, Thanksgiving eve he spent the night with the defendant's mother, which would somewhat confirm the fact that also that would be the night the defendant is away. He stayed with his sister at Meadow Creek Road and

When I look at the factors, the identification she makes, Then the large makes organ which seemed to trigger something to the police because they went out and right after that statement were able to pick up the defendant. Be that as it may. Then the tissues, the fact of blood and seminal fluid. Coming back to the window and the public hair, which is quite far reaching. And, of course, the statements that the detective related that the people said did not make to him.

I feel in view of all those factors, I have to reach the conclusion that the complainant is correct. That it is supported by that scientific evidence and her identification and I'm going to find that the defendant is guilty of the charges.

Indictment one, the burglary, I'm going to convict under the first count, count number one. It was not really established whether it was nighttime or day

CERTIFICATE COMMONWEALTH OF VIRGINIA CITY OF NORFOLK, to wit: I, Lois Baker McLellon, RPR, do hereby certify that the foregoing pages are a true and correct transcript of my Stenotype notes of the proceedings had at the time and place in the 10 caption mentioned. 11 12 13 1981. 14 15 16 17 18 Jois Bell Me 19 20 Court Reporter 21 22

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