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PROCEEDINGS

(Jury and all parties present in open court.)

LORI FULLER,

having been first duly sworn, testified as follows:

CROSS EXAMINATION

By Mr. McCollum:

- Q. They'd be unmistakenly obviously drunk at that high a breath test score, wouldn't they?
 - A. Not necessarily, no, sir.
 - Q. Really?

You're familiar with Smart Start and MADD and the Texas Department of Transportation?

A. Yes, sir, I am.

MR. McCOLLUM: May I approach the witness, Your the May I approach the witness, Your

THE COURT: Yes, you may.

- Q. (By Mr. McCollum) You're familiar with the little calculator wheels they put out to measure for people to know how many drinks they can drink safely?
 - A. Yes, I've seen this.
- Q. Do you agree or disagree that at .15, "they'd be unmistakenly drunk, all faculties seriously affected," and .30, "they'd be in a stupor." Do you agree or disagree with that?
 - A. I don't agree, no.

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- Q. Now, your testimony regarding the number of drinks, you're assuming that that's an accurate measurement of the alcohol concentration in the person's breath, correct?
 - A. Yes, to blow at that concentration.
- Q. So when you say they had a .20, what you're talking about is an accurate .20, correct?
 - A. Yes, that's correct.
- Q. I mean, you'd agree, wouldn't you, that machines or instruments, just because they say something doesn't make it so?
- A. When they're properly calibrated and properly maintained, I would believe them, yes.
 - Q. That wasn't my question.

I can have a machine or instrument like a watch that says 7:30 right now and that doesn't mean it's 7:30, does it?

- A. Not necessarily.
 - Q. Not necessarily? It's about 1:27.

If I have a watch that says 7:30 right now, it ain't 7:30, is it?

A. That's right.

MR. CLANCY: Judge, this is completely irrelevant. Objection.

THE COURT: Overruled.

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- Q. (By Mr. McCollum) Agreed?
- A. Agreed.
- Q. Now, you said that if you --

MR. McCOLLUM: May I approach the witness again, Your Honor?

THE COURT: Yes, you may.

Q. (By Mr. McCollum) Now, according to your testimony, if you agree that if --

Without knowing when someone consumes alcoholic beverages, over what periods of time they're consumed, assuming that we had an accurate alcohol concentration of 0.20, okay?

- A. Uh-hum.
- Q. You don't know if -- let's assume that they took that test, oh, 45 minutes after they were driving. At the time of their driving, you can't tell the jury whether that accurate alcohol concentration would be higher, lower or the same as an accurate .20, can you?
 - A. That's correct.
- Q. And what you said, I believe, you said that it's an accurate .20 for an individual this size to be -- did you say six to seven or seven to eight drinks?
- A. Seven to eight.
 - Q. Seven to eight drinks in them, correct?
 - A. Correct.

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- Q. Based on the studies that you've had there, is that your understanding that alcohol, it takes time to be absorbed into the body, correct?
 - A. Correct.
 - Q. And then it has to be metabolized out, correct?
- 6 A. Yes.
 - Q. The rate at which alcohol is absorbed into the body can vary, can't it?
 - A. Yes, it can.
 - Q. For example, if I wanted to, if an individual wanted to, if they wanted to drink a large quantity of alcohol all at once, five minutes after they drank it they're not going to register much in the way of alcohol concentration, are they?
- A. No, they're not.
 - Q. It's going to take, what, an hour, 45 minutes for that alcohol to be absorbed into the body?
 - A. On an empty stomach, 30 minutes to an hour.
 - Q. Now, 30 minutes to an hour. Would you agree that the other side of that would be that if someone was drinking -- let's say this individual. If this individual was drinking, say they started drinking at 8 p.m -- let's make it 6:00 p.m. and this test was -- again, all you can go by is -- you weren't there. All you can go by are the records, correct?

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- A. That's correct.
- Q. If this record was correct, it was -- a test was run about 11:10, something like that, correct?
 - A. That's correct.
- 6:00 p.m., they would have had to have consumed four more drinks to have seven to eight in their body; would you agree with that?
 - A. Yes.
- Q. So that could be eleven to twelve drinks, if drinking all night, if the drinking starts at 6:00 p.m., right?
 - Ą. Yes.
 - Q. On the other hand, as we indicated, if they just had 'em immediately before leaving someplace, they'd have a very low alcohol concentration. But you'd expect -- be able to -- you'd expect to see that an hour later, wouldn't you? Somebody had seven or eight drinks, you'd expect to see that on a -- just the way they were acting, wouldn't you?
- 21 A. They way they're acting?
- 22 Q. Yes.
- 23 A. Again, not necessarily.
- Q. Really? Okay.
- 25 A. Really.

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- Q. Oh, that's right, you don't agree with MADD and the Department of Transportation and Smart Start when they say, "a person would be unmistakenly drunk, all facilities seriously affected at a .15"? You don't agree with that?
 - A. "Unmistakenly drunk," no, I don't.
- Q. Now, you said that this instrument -- you were using some records here to check it?
- 9 A. Yes, sir.
- Q. In fact, you provided me some records, didn't you?
- 12 A. Yes, sir, I did.
- Q. You brought me the Breath Test On-site
 Inspection Report, correct?
- 15 A. Yes, sir.
- Q. And then you also provided me with the test records of two months before and two months after, correct.
- 19 A. Yes, sir, I did.
- Q. Are those the only two sets of documents that you used to refresh your memory?
- A. I also have the reference result certification.
- Q. Can I see that?
- 24 A. Sure.
- 25 Q. Any other documents?

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- I also have the instrument certification; I Α. have the certificate of calibration for the instrument, and that's it, that I really referred to.
- What do you mean that you "really referred to"? Is there any other documents in there?
- There are. It's a chart of elimination rates Α. for different people at different weights for male and female.
- Oh. Does it have a 140-pound, 5-foot-4 male in Q. there? 10
- 11 Α. Yes, it does.
- 12 What does that thing say the average Q. 13 elimination rate is?
- 14 Α. 0.026.
- 15 Q. What, per hour?
- 16 Α. Grams per two hundred ten liters per hour.
- 17 Q. That's average. Okay.
- 18 Do you need to keep those records? 19 printed those things out today, didn't you, or yesterday?
- 20 Α. Yes, I did.
- 21 Q. You printed them out on your computer?
- 22 Α. Yes, sir.
- 23 Q. Do you need to keep those?
- 24 Ą. If I'm going to testify from them, I do.
- 25 Q, Well, I mean, I'm not going to take them down

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

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- 1 there. I want to admit them into evidence, is what I 2 want to do.
 - A. Okay, sure.
- 4 MR. McCOLLUM: Let me have these marked as defendant's exhibits.
 - Q. (By Mr. McCollum) Now, the instruments or machines that you're using right now, are they all the same model?
- 9 A. Yes.

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- 10 | Q. Are they all the same series?
- 11 A. Sixty-eight and EN, yes.
- Q. What's the difference between a 68 and an EN?
- A. It's an up-graded version. It's the same with just a few added internal parts.
- 15 Q. When did the 68 come out?
- 16 A. The 68 was in --
- 17 Q. 198?
- A. This one was certified in '98.
- 19 Q. So this is a 68, correct?
- 20 A. Yes, it is.
- Q. It's not one with the new added parts, it's not an EN; is that what you're saying?
- 23 A. No, it's not an EN.
- Q. So, you have newer ones that you have there that you're using?

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- A. It's the same instrument with a little bit different internals, but it's the same instrument. It produces the same results. It's just as valid.
- Q. Surely, they're all made by the same manufacturer, right, the CMI Company in Owensburrow, Kentucky, correct?
 - A. Yes, sir.
- Q. And the Texas Department of Public Safety, the state police, the scientific director for the state police, he's the one who certifies or decides which instruments will be used to test subjects accused of DWI in the state of Texas, correct?
- 13 A. That's correct.
- Q. And he's decided it's only the model CMI, correct?
- 16 A. Yes.
- Q. And I presume that he then approves upgrades
 from -- they used to have a series 66, correct?
- 19 A. Yes, sir.
- 20 Q. And then they came up with a 68, correct?
- 21 A. Yes, sir.
- Q. Surely the state of Texas wouldn't buy a 68 if they already had 66s unless it was better, right?
- 24 A. That's true.
 - Q. And surely they wouldn't buy an EN over a 68

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it?

Lori Fuller - March 29, 2007 11 Cross Examination by Mr. McCollum unless it was better, correct? Α. Again, it's the same model. Q. That wasn't my question. Do you think EN is better than a 68? Α. No, I don't. Q. Does it cost more? Α. No, it doesn't. Well, you also said that based on your records Q. there hadn't been any warranty claims, correct? Α. No, there has not. That's because it doesn't have a warranty, does Q. There is a warranty with both CMI and with the Α. Texas Department of Public Safety. There's not a warranty for fitness, is there? Q. There's not a warranty that it will give proper numbers, is there? Α. I don't recall. What is the warranty for? Have you ever read Q. the warranty? Α. I've skimmed over it, yes. Q. Do you have it with you? Α. Yes, I do. Q. Let me see the warranty.

That letter, what's the date on that

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

letter?

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- A. November 10th, 2000.
- Q. That's in response to a letter from the scientific director of the state police dated back on March 31st, 2005 complaining that these instruments had -- several of these instruments had defects; isn't that correct?
 - A. No. I don't have that letter.
 - Q. You don't have that letter?
- 10 A. No, I don't.
 - Q. Were you aware of the fact that several EN machines and one regular 68 gave false they discovered they were making false reports and that was reported by the Texas Department of Public Safety to all the technical supervisors back in March of '05; were you aware of that?
 - A. Yes, I am aware of that.
 - Q. And were you aware that, at that time, the guidance was that even though there's a possibility of receiving false breath test results, the scientific director advised your scientific directors should just continue breath alcohol testing on these machines as before, correct?
 - A. Yes. They're not false results, however, they're false negatives. Not false results, false

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

negatives.

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- Q. Have you ever heard of the word euphemism?
- 3 A. Yes.
 - Q. Well, if it's not an accurate result whether it's given what you say is a negative result or a positive result, those are false results, aren't they?
 - A. Yes, they are.
 - Q. Okay. Now, the warranty of --
- 9 MR. McCOLLUM: Have this marked as defendant's exhibit next in order.
- Q. (By Mr. McCollum) Defense Exhibits 1 and 2, these are exact copies of the records that you brought and provided me copies, correct?
- 14 A. Yes, sir.
 - Q. One is a six-page test information report and that -- what that has is it has every test record that was run on that instrument two months before and two months back; is that correct?
 - A. That's correct.
 - Q. And the other one is a five-page report, which is called the "On-site Inspection Report", correct?
 - A. Yes.
- Q. Now, from time to time --
- That would be Defendant's Exhibit No. 2,
- 25 | correct?

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- A. Yes, sir.
- Q. And what y'all do there out at SWIFS -- by the way, you're a county employee, correct?
- A. Yes.
- Q. An SWIFS has contracts with police departments in the surrounding metroplex area to maintain their instruments or their machines, correct?
 - A. Yes.
- Q. And you're a county employee. You don't work on any type of a commission or anything like that.
- 11 You're salaried --
- 12 A. No, I don't.
- 13 Q. -- correct?
- 14 A. Correct.
- Q. But that portion of the Southwest Institute of Forensic Science, y'all are right over there at Harry Hinds and Parkland, correct?
- 18 A. That's correct.
- 19 Q. Adjacent to the medical examiner, correct?
- 20 A. Correct.
- Q. Y'all are what's known as a profit center for Dallas County, correct?
- 23 A. We're nonprofit.
- Q. Well, you're nonprofit, but you generate revenue for the county through these contracts with the

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things up yesterday, correct?

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Lori Fuller - March 29, 2007 15 Cross Examination by Mr. McCollum surrounding police departments, correct? That's correct. And what these contracts are for is for y'all maintaining their machines. You charge them for it, Yes. Not you, but Southwest Institute of Forensic Science, correct? Yes. So those machines better be working properly, Right. Loose your contract, right? Yes. You'd be out of this job. You'd have to go back over there on the other side, wouldn't you? Yes. So it's important that these machines be accurate and fair to individuals accused of DWI, correct? Yes. Okay. Now, what y'all can do, and you may not have been there when this happened, but you technical supervisors, just as you indicate, you printed these

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- Q. You can get on there and you can print up the reports, you can change the format of those reports any way you want, can't you?
 - A. Yes.
- Q. And, in fact, y'all have done that, haven't you?
 - A. In order to provide the report, yes.
- Q. Well, let me show you Defendant's Exhibits 3 and 4. These are examples -- Defendant's Exhibits 3 and 4 are examples of -- Defendant's Exhibit 3, that's an example of how the test information report -- it's called test information report now, back then it was called a test information log. That's the format y'all were using back in October of 2003, correct?
 - A. It appears to be that way; I don't know.
- Q. And then it was changed by November 3rd of 2003. We've got the Breath Alcohol Testing, and now it's called Breath Test Run Instrument -- same instrument -- different instrument than we're talking about today, but the same, you know, model 5,000, series 68, correct?
 - A. Yes.
 - Q. And that format's changed, correct?
- A. It appears to be, yes.
- Q. And now today, y'all have changed it again, haven't you?

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- A. Yes.
- Q. And isn't it true that back the way you used to do the Inspection Reports, the Inspection Reports you used to have -- you used to report the daily -- you talked about these daily modem checks. Those used to be reported also, didn't they?
 - A. I don't know.
- Q. Since you've been there they only do these, right?
- 10 A. Yes, sir.
- Q. And what this is, this is a record that you printed out just showing when those periodic maintenance checks were made on the instrument, correct?
 - A. That's correct.
- Q. So when you told the jury it was in proper working order -- or the test -- the check that was done on scene prior to this one, on the 24th of March of 2006, you were looking at these records, correct?
 - A. That's correct.
 - Q. Because you didn't make that check, did you?
- 21 A. No, I didn't.
- 22 Q. It was made by Robinson. Do you know Robinson?
- 23 A. Yes, I do.
- 24 Q. You know that to be Terry Robinson, correct?
- 25 A. Yes, sir.

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- Q. Terry Robinson is like you; he's a peer, and he's a technical supervisor, correct?
 - A. Correct.
 - Q. And he testifies just as you do, has the same duties as you do; is that fair?
 - A. That's correct.
 - Q. So, you didn't do that inspection, did you?
 - A. No, I did not.
 - Q. And then the inspection you testified to, according to these reports again, on March the 31st of 2006, the on-site, that was done by Finkley, correct?
- 12 A. That's correct.
- 13 Q. You know that to be Alvin Finkley, correct?
- 14 A. Yes.
 - Q. Now -- so, you're relying on these reports, that based on these reports they must have been good checks done. You didn't see it, but that's what the report says, right?
- 19 A. That's correct.
- 20 Q. Show me the reports, the maintenance logs, that
 21 you keep on this instrument to show when this instrument
 22 is maintained, when it's modified, when it's repaired.
 23 You don't have any records of that?
- A. No. We do have notations, however, when there
 is repairs done that we know to go back to our records

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- and find out what happened.
- Q. Are you telling the jury y'all don't keep a maintenance log along with the test (inaudible) information report and the inspection report? You don't keep a maintenance report, a hard copy of it?
 - A. Yes, we do.
 - Q. Where is it?
 - A. It's in my office.
 - Q. You didn't bring that today?
- 10 A. No, because there was nothing wrong with the 11 instrument.
- Q. Well, then, you did refresh your memory from that maintenance log, didn't you?
 - A. No, because I looked at the documentation that we have on here that says everything was in good working order.
- Q. Where does it say everything's in good working order?
 - A. The instrument was placed into service in February 28th of 2006, and SPBD stands for simulator, power, breath tube and display; all those things were in proper working condition.
 - Q. It doesn't say that. It just says "SP --
 - A. SP -- that's our notation, yes. All the checks from then on out show that very same thing, that

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

everything was in proper working condition. We have valid test records, all of the specific interferent (sic) checks and RFI checks that we did worked out properly.

- Q. So, are you saying because you looked at this and didn't see anything on it untoward, you didn't bother to look at the maintenance logs that you have; is that your testimony?
 - A. Yes, that's right.
- Q. So, you did not look -- you do have hard copies of maintenance records, but you did not look at them; is that fair?
 - A. No, I didn't.
- ${\tt Q.}$ And you also said in response to his questions that ${\tt --}$
 - MR. McCOLLUM: By the way, I request the admission of Defense Exhibits 1 through 4.

MR. CLANCY: No objection.

THE COURT: To avoid confusion, may we know what each one is?

MR. McCOLLUM: Yes, Your Honor. Defense

Exhibit No. 1 is the Test Information Record for the instrument that was used in this case. It covers tests — all tests done on the instrument 60 days prior to and 60 days after the test in question today.

Lori Fuller - March 29, 2007 21 Cross Examination by Mr. McCollum 1 ο. (By Mr. McCollum) Correct? 2 Α. That's correct. 3 Defendant's Exhibit No. 2 are maintenance Q. records -- no, excuse me. I'm sorry. They're not 4 maintenance records, they're on-site inspection reports 5 6 that show the periodic on-site inspections of the 7 instrument in question here from the 28th of February of 2006 to the 25th of May, 2006. Fair? 8 9 Α. Yes. 10 Q. Defendant's Exhibit No. 3 is an example of the 11 format that was used as of November the 3rd, 2003, to report test -- the test information report. 12 13 Α. Yes. In other words, it shows how they used to 14 record the tests that were administered sequentially. 15 16 And Exhibit No. 4 is another example of how those tests are reported out on a different format 17 earlier, like October of 2003, correct? 18 19 A. Yės. 20 THE COURT: The four exhibits will be admitted. (Defendant's Exhibit Nos. 1 through 4 were admitted.) 21 22 (By Mr. McCollum) Now, Defendant's Exhibit 5, Q. 23 that's the warranty, correct? 24 Α. Yes, sir.

MR. McCOLLUM: Request the admission of

Lori Fuller - March 29, 2007 22 Cross Examination by Mr. McCollum 1 Defendant's Exhibit No. 5. 2 MR. CLANCY: No objection. 3 THE COURT: Defendant's Exhibit No. 5 will be 4 admitted. (Defendant's Exhibit No. 5 was admitted into evidence.) 5 6 (By Mr. McCollum) What does the first sentence 7 of the Statement of Warranty say? Read it out loud. 8 "CMI, Incorporated, a subsidiary of Federal Α. 9 Signal Corporation, warrants that each new product will be free from defects and material and workmanship under 10 normal use and service for a period of one year from the 11 date of delivery to the first user purchase." 12 13 And the one year is in bold type, isn't it? Q. 14 Α. Yes, sir, it is. 15 Who was the first -- from your records can you Q. 16 tell if y'all were the first user purchaser, or do you 17 know if this was purchased used? 18 I didn't bring those records with me. Α. 19 Well, in any event, you're certainly outside ٥. 20 the one-year frame based on your certificate of calibration of when y'all got the machine, correct? 21 22 Α. That's correct. 23 So it would be pretty hard for 'em to be making a -- you making a warranty claim at least based on 24

materials and workmanship, because your records indicate

23 Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum that you got the machine April of '98, and you don't even know if you got it new or used, right? 2 That's correct. 3 Α. Second sentence, CMI's obligation. ο. 4 "CMI's obligation is limited to repairing or 5 Α. replacing, as CMI may elect, any part or parts of such 6 product which CMI's examination discloses to be 7 defective, immaterial or workmanship. 8 And that applies to that one-year time, doesn't 9 Q. 10 it? 11 Yes, it does. Α. Now, down here --12 Q. 13 MR. CLANCY: Judge, I object to any further questions about the warranty as it relates to legal-15 She's an expert on the Intoxilyzer. I don't 16 think she should have to answer legal questions 17 about a warranty. 18 THE COURT: Overruled. 19 Q. (By Mr. McCollum) Would you read that 20 paragraph right there? 21 A. "During the warranty period --22 Q. Stop. That's that one-year period, right? 23 Yes, sir. A. 24 Q. Okay. 25 Α. " -- CMI will pay the shipping charges to

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- return a repaired product to the customer if the product was covered by this warranty. Repaired components are warranted for a period of 90-days from the date of repair and that warranty is subject to the same limitations as this warranty. Components not repaired do not receive an extended 90-day warranty."
- Q. So you might have had some warranty work on materials -- workmanship and material for," looks like, "first fifteen months after it's purchased new," right?
 - A. Yes.
 - Q. Okay. Now, what' that next paragraph say?
- A. "Warranty coverage extends only to the original purchaser and does not cover placement of parts that are, by their nature, expendable. This warranty is voided if the product is adversely effected by attaching any feature or device to it or is in any way tampered with or modified without express written permission by CMI Management."
- Q. And that last paragraph, that one's in big bold type, isn't it?
- A. Yes, it is.
 - Q. Would you read that to the jury, please?
- A. "There are no other warranties expressed or implied including but not limited to any implied warranties of merchantability or fitness for a particular

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- purpose. In no event shall CMI be liable for any loss of profits or indirect or consequential damages arising out of any such defect in material or workmanship."
- Q. Now, when was it -- you've worked with the county for how long?
 - A. For the county since 2002.
- Q. And when was it that you became a technical supervisor?
 - A. December of 2005.
- Q. So that would be after -- you have in there the letter from CMI about -- the November letter?
- 12 A. It's a different letter.
 - Q. I know. That's November 10th, 2005, correct?
- 14 A. Yes, sir.
- Q. Are you aware that it's in response to this
 March 31st, 2005 letter from the Department of Public
 Safety to all supervisors?
- A. I don't know if it's in response to that or not.
- 20 Q. Okay, that's fine.
- Y'all can -- one of the checks that you

 make on that instrument during the regular maintenance is

 called interferent (sic) check, correct?
- 24 A. Yes, sir.
 - Q. And this instrument, as you've described to the

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- jury, it measures loss of infrared energy at certain .
 wavelengths on the infrared scale, correct?
 - A. That's correct.
 - Q. It's what they call a -- it's not a scientific grade infrared spectroscopy, is it?
 - A. No, it's not.
 - Q. Because scientific grade infrared spectrophotometer measures the loss of infrared energy on every wavelength on the infrared spectrum, does it?
 - A. I'm sorry, I guess I'm just a little confused as to what you mean, "scientific grade," because this is -- this instrument is very scientific and it's specific to certain wavelengths that make it scientific. Just because it's scientific doesn't mean it has to --
 - Q. Okay.
 - A. -- all of the wavelengths.
- Q. Okay. Depends on how you define scientific, right?
 - A. Yes, sir.
- Q. Well, let's put it this way. When you were on the other side of the law over there at Southwest
 Institute of Forensic Science, did you use other infrared spectrophotometers for some of the work that you did over there?
- 25 A. Yes, we did.

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- Q. And did those infrared spectrophotometers measure the loss of infrared energy along the entire infrared spectrum?
 - Yes, it did.
- And that infrared spectrum is, what, Q. ten-thousand wavelengths, something like that?
- Around there, yes. Α.
- Q. This one measures the loss of infrared energy on how many wavelengths?
- 10 Α. Five.
- 11 Q. Because of the filter wheel, right?
- 12 Α. Yes, sir.
- 13 Now, the original series 68 only had a three Q. 14 wheel filter wheel, didn't it?
- 15 Α. Yes, it did.
- 16 Q, The EN's have the five hole.

you're trying to find out, can't it?

- 17 As well as the 68's have five wheel. Α.
- 18 Q. So they went back and put a five wheel on it?
- 19 Α. Yes.
- 20 When did they do that on this machine? Q.
- 21 Α. I'm not sure.
- 22 Q, And infrared -- full range infrared 23 spectrophotometry can measure unknown substances to the exclusion of all other substances in a -- if that's what 24 25

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- A. Yes.
- Q. This one measures loss of infrared energy on five wavelengths, and those happen to be wavelengths involving alcohol molecules, correct?
 - A. That's correct.
 - Q. There are many types of alcohol, aren't there?
- 7 A. Yes, there are.
 - Q. There are also substances called ketones,
- 9 | right?

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- 10 A. Yes.
- 11 Q. Ketones are given off by individuals if their 12 body's in what's known as a state of ketosis, correct?
- 13 A. That's correct.
- Q. That's a fairly common state for people to be in, isn't it?
- A. Common? Defends. But it is a state that people go through, yes.
- Q. And one of the things that you check when you do these periodic checks is you check to see if it measures an interferent (sic) ketone, correct?
 - A. Yes.

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- Q. Ketones what's used as acetone, correct, that's the substance?
- 24 A. Yes, sir.
- Q. And isn't it true that all individuals also

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produce -- they have alcohol in their body and they're metabolizing it through their liver, the first substance they produce -- it's broken down into a substance called acetyl alcohol?

- A. Yes.
- Q. Acetyl alcohol can be measured and reported as ethyl alcohol, can't it?
 - A. No.
 - Q. No?
- 10 A. No.
 - Q. Okay. On the interferent (sic) check, isn't it true that with that particular instrument you can set a gap as to how much acetone it takes to interfere with it?

 Kind of adjust it like a carburetor.

You know what a carburetor is?

- A. I'm familiar with the term. I'm not a mechanic, so I don't know.
- Q. Well, but you can -- the amount of acetone that gets into it to cause interference, to register interference, that can be adjusted, can't it?
 - A. No, it can't.
- 22 Q. Oh, it can't?
- 23 A. No.
- Q. You said that on this instrument that the instrument measures the reference solution. That's a way

Lori Fuller - March 29, 2007 30 Cross Examination by Mr. McCollum to check how accurate it is. Is that what that reference 2 solution's for? 3 It provides a quality check, yes. Α. 4 Quality check, right. Q. 5 MR. McCOLLUM: May I approach the witness, Your 6 Honor? 7 THE COURT: Yes. 8 (By Mr. McCollum) Now -- by the way, it's Q, true, isn't it, that all these instruments, the longer 9 you blow the higher the score? 10 11 Α. No. 12 Q. That's not true? 13 Α. No. 14 Do you consider Alvin Finkley being Q. authoritative in regard to this? 15 16 Α. Authoritative, no. 17 You don't? Q. 18 Α. No. 19 Are you authoritative on this? Q. 20 He is my peer; he is my co-worker, and I respect this opinions and decisions. 21 22 MR. CLANCY: I'm going to object to any 23 testimony -- of reference to any testimony outside 24 of the courtroom today. 25

MR. McCOLLUM: Well, I've got --

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- Q. (By Mr. McCollum) Mr. Robinson, do you consider him to be authoritative?
 - A. No, I don't.
- Q. So, you all disagree about certain things; is that fair?
 - A. We all disagree, though we are individuals.
- Q. Well, they believe the longer you blow the higher the score, don't they?
 - A. No, they don't.
 - Q. They haven't testified to that?
- A. Not that I know of, but I don't want to -- I don't know.
- Q. Well, if they did you wouldn't agree with it, would you? You wouldn't agree if they did testify to that; is that correct?
 - A. No, I wouldn't agree.
 - MR. CLANCY: Judge, 'I object to the reference to testimony of someone who's not here and not available and wasn't called -- I object to this testimony in reference to someone who's not even on the stand. This isn't her prior testimony.

THE COURT: Do you have a response?

MR. McCOLLUM: Yes, Your Honor. This is the sworn testimony of Alvin Finkley that was transcribed from this court by Miss Laura Weed in

Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

another DWI trial back on August the 10th of 2006, and, I understand it, he is a peer.

MR. CLANCY: We don't have any testimony -- we don't -- sworn testimony from her, plus we don't have any evidence of what he is or what he does; there's no predicate as to that. And it's just improper to reference his testimony.

MR. McCOLLUM: Your Honor, they listed him as a witness; that's who I thought they would call.

 $\ensuremath{\mathsf{MR}}.$ CLANCY: We listed a couple people as witnesses.

THE COURT: I'll overrule the objection.

- Q. (By Mr. McCollum) I'll represent to you that this is a transcript of a portion of his -- the cross examination at a trial in here on the 10th of August of 2006 that was taken by Miss Weed here, okay?
 - A. Yes, sir.
- Q. If I'm wrong about that, I'd lose my law license. Okay?

MR. CLANCY: Objection, side bar comment. THE COURT: Sustained.

Q. (By Mr. McCollum) He says that -- if he was asked a question: 'Now, it's true, isn't it, sir, the longer you blow the higher the score?' His response: 'Generally, that's true when an individual does have

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- amination by Mr. McCollum
- alcohol present in his or her system.' If he testified to that, you disagree?
- A. I would disagree with that in it's exact content. I would need to read the whole thing to understand what he was saying.
 - Q. Okay.
 - A. But that exact statement, I disagree with.
- Q. Would you also disagree with him if he testified that thousands of substances exist with a hydroxyl molecule and that any substance that has a hydroxyl molecule will be reported as ethyl alcohol by this instrument? Would you disagree with that?
- A. Let me repeat and make sure I understand what you said. That there are thousands --
- Q. Let me -- here we go. And you'd agree that, 'any substance with a hydroxyl molecule that enters that instrument will be measured and reported as ethyl alcohol, correct?'

'As alcohol -- yes, as alcohol.'

'Question: There are thousands of substances like that, aren't there?'

'That have a hydroxyl molecule in them?'
'Sure.'

'And this is not a full-range infrared spectrophotometer, is it?'

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| | Lori Fuller - March 29, 2007 34 Cross Examination by Mr. McCollum |
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| 1 | 'No, it's not.' |
| 2 | Do you agree or disagree with Mr. Finkley |
| 3 | when he says that? |
| 4 | A. I disagree that it reads alcohol as ethyl |
| 5 | alcohol. |
| 6 | Q. Okay. |
| 7 | A. There are thousands of alcohol molecules, but |
| 8 | it will not read it will only read ethanol. It will |
| 9 | only quantitate ethanol, ethyl alcohol. |
| 10 | Q. That's your opinion. |
| 11 | A. Yes, that's my opinion. |
| 12 | Q. Okay, that's fine. |
| 13 | You say you also part of your job is |
| 14 | also to train the operators; is that correct? |
| 15 | A. Yes, sir. |
| 16 | Q. If and you know Jackie Cork, of course, |
| 17 | correct? |
| 18 | A. Yes, I do. |
| 19 | Q. If Jackie Cork testified |
| 20 | MR. McCOLLUM: May I approach, Your Honor? |
| 21 | THE COURT: Yes. |
| 22 | Q. (By Mr. McCollum) If Jackie Cork testified |
| 23 | that the simulator solution, as long as it's within plus |
| 24 | or minus point 02 that it's within tolerance; is that |
| 25 | your understanding of the regulations of this instrument? |

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- A. I'm sorry, repeat the question. Zero point 02 of the reference result?
- Q. Yes. Reference result, 'if it's within plus or minus 0.02,' is what he testified to; would you agree or disagree?
 - A. I disagree with that.
- Q. It's plus or minus 0.01, isn't it?
 - A. That's correct.
- 9 Q. Are you surprised that he would make a mistake 10 like that?
- 11 A. I don't know him personally, so I don't know.
 - Q. That's fine.

Now, it's true, isn't it, in order for this instrument to be valid that the difference between the two breath tests could be as much as a third off -- thirty-three percent difference between one breath test or another and still be considered valid and a person would be considered intoxicated, correct?

- A. Sure.
- Q. And you'd agree, wouldn't you --

And would you also agree valid doesn't
mean accurate, does it? Valid means that it complies
with DPS rules and regulations, right?

- A. That's correct.
 - Q. And would you also agree that two people can

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- weigh the same, consume the same amount of ethyl alcohol over the same period of time, both of 'em be offered a breath test on these Intoxilyzer machines and they're proper working order, according to the state police, at times -- scientific director of the state police, get a valid test result from both of them?
- A. Yes, sir.
- Q. One person's breath test score could be a hundred percent higher, twice as high as the other's?
- A. It's possible.
- 11 Q. And still be considered valid, right?
- 12 A. That's correct.
 - Q. Would you agree that you gave -- you were asked the definition of alcohol concentration. There's actually three different definitions, aren't there, three different ways it can be measured?
- 17 A. Yes, sir.
 - Q. It can be measured -- it's defined -- you have to know what the Penal Code is with regards, at least, to the DWI laws, correct?
 - A. Yes, sir.
 - Q. And you have to know what the rules and regulations of the state -- of the Department of Public Safety, scientific director, don't you?
- 25 A. Yes.

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- Q. Because if those rules and regulations are not complied with, then they're not even considered valid or admissible tests, correct?
 - A. That's correct.
- Q. In order for 'em even to be admissible they have to be valid, don't they?
 - A. That's correct.
- Q. And the scientific director, he has his minimum standards, doesn't he?
 - A. Yes.
 - Q. Okay,

Now, the definition -- a person is considered intoxicated if they have an actual alcohol concentration of --

MR. McCOLLUM: Approach the chart again, Your Honor?

THE COURT: You may.

- Q. (By Mr. McCollum) -- actual alcohol concentration of point 08 grams of alcohol per two-hundred ten liters of breath, correct?
 - A. That's correct.
 - Q. That's the definition in the law, isn't it?
- A. Yes, it is.
- Q. But this instru -- and it's the scientific director of the state police who decides what instrument

Lori Fuller - March 29, 2007 38 Cross Examination by Mr. McCollum will be used to measure that, correct? 2 Yes, it is. 3 So, he's kind of like the mighty Poobah; he Q. sits on the mountain, and he says, I deem this is going to be the one I'm going to use. 5 6 He deemed certain characteristics that had 7 to apply to theses instruments, correct? 8 Α. Yes, he did. 9 And one of those was that the instrument has to Ο. be capable of capturing and reporting essentially 10 alveolar breath, correct? 11 12 Α. The instrument doesn't capture anything, doesn't hold anything. But, yes, it has to be 13 essentially alveolar breath, deep lung breath. 14 15 And the alveolar breath is going to have a Q. 16 higher concentration of alcohol in it than just the breath in the rest of your lungs, isn't it? 17 18 It's the deepest part of your body, but it --Α. you can't produce any more alcohol than is already in 19 20 your system. 21 Q. That wasn't my question. 22 My question was, the ethyl alcohol contained in alveolar breath is going to be at a higher 23 concentration than the amount of ethyl alcohol contained 24

in the rest of the breath in your lung.

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

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- A. Slightly, because it's right next to the capillaries.
 - Q. So that answer is yes?
 - A. Yes.

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- Q. The law doesn't say that a person is intoxicated if they have point 08 grams of ethyl alcohol per two-hundred ten liter of essentially alveolar breath; it says "of breath," doesn't it?
 - A. Yes, it does.
- Q. It's the scientific director that added in that alveolar breath part, isn't it?
- 12 A. I'm not sure, but, yes.
- Q. And so the jury may understand, the amount of ethyl alcohol that's actually being measured at any given point in time -- let's say -- let's assume that we have an accurate alcohol concentration of point 20 reported.

 In order for it to be an accurate alcohol concentration of point 20, it's reported in terms of grams per ounce -- or grams per two-hundred ten liters.
 - A. Yes.
 - Q. But that's not really how much is being measured, is it?
- A. No, sir, it's not.
- Q. It's about one twenty-five hundredths; isn't that correct?

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- A. About, yes.
- Q. Because two-hundred ten liters of breath is the volume that's found in about a fifty-five gallon drum, correct?
 - A. That's correct.
- Q. And the sample chamber is about, what, eighty-two --
 - A. Eighty-one milliliters.
- Q. And that's about, what, one twenty-five hundredths of it?
- 11) A. Approximately. I'm not sure.
- Q. So what happens is the instrument measures this
 loss of infrared energy, and you say only on ethyl
 alcohol, not hydroxyl molecules or any of these other
 substances?
- 16 A. That's correct.
- Q. And then it reports it out through a piece of software -- through its software, reports it out in terms of two-hundred ten liters of breath, right?
 - A. That's correct.
- Q. And, of course, nobody in the state of Texas, including the scientific director and certainly not y'all, have ever seen the software to this instrument,
- 24 have you?
- A. No, we have not.

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

- Q. It's considered proprietary for CMI, isn't it?
- A. That's right.
 - Q. And, now, so the jury may understand, would you agree the amount of ethyl alcohol being measured, say you get an accurate point 20 grams, would you agree that would be, in lay terms so we can kind of understand it, approximately, oh, I don't know, twenty-six, twenty-seven ten millionths of an ounce of ethyl alcohol?
 - A. That's approximately, yes.
- MR. McCOLLUM: May I approach, Your Honor?

 THE COURT: Yes, you may.
 - Q. (By Mr. McCollum) For us lay people, that's a small amount of ethyl alcohol, isn't it?
 - A. Yes, it is.
 - Q. And we know this instrument reports -- receives and reports alcohol from sources other than the human breath, doesn't it?
 - A. The reference sample, yes.
 - Q. It doesn't know where the alcohol came from that's in the chamber which measures it, it's going to be measuring the loss of infrared energy hopefully on ethyl alcohol in the chamber?
 - A. That's correct.
- Q. So it's really important, isn't it, that we don't get alcohol from any other source in that chamber,

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- count take were much to get a false high
- because it doesn't take very much to get a false high,
 does it? We're talking molecules.
 - A. Right.

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- Q. Okay. Now, would you agree that it's not unusual for these instruments to have anywhere from a ten to twenty-five percent invalid test rate among people accused of DWI?
- A. On any given instrument for any amount of time, 9 it depends.
 - Q. So, it could be ten to twenty-five percent invalid test records?
- 12 A. It could be.
- MR. McCOLLUM: May I approach again, Your
 Honor.
- 15 THE COURT: Yes, you may.
- 16 Q. (By Mr. McCollum) Not unusual?
- 17 A. No, it's not.
- 18 Q. Now, you talked about these certifications, you 19 know, you're certified and Officer Cork, he's certified, 20 everybody's certified. That certification comes from the 21 Texas Department of Public Safety, doesn't it?
- 22 A. That's correct.
- 23 Q. The state police, correct?
- 24 A. Yes, sir.

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Q. And I'm not going to be able to get that

blood test in this case.

Lori Fuller - March 29, 2007 43 Cross Examination by Mr. McCollum 1 certification, am I? If you go through the proper procedures, you 2 3 can. 4 One of those procedures is you get hired by the Q. county or become a police officer, right? 5 6 No, not necessarily. Police officer, yes, but Α. you don't have to be hired by the county. 7 8 If you were -- and you'd agree, this is the Q. only machine that's being used for breath testing, right, 9 10 of subjects accused of DWI, right? 11 Α. Yes, it is. 12 And you test the simulator solution by using 13 gas chromatography, correct? 14 Α. Yes, sir, it is. 15 That scientific method is the method that's used to test alcohol concentration in blood tests; isn't 16 17 that correct? 18 Α. Yes, it is. 19 Now, if you ran a blood test on two different individuals, could their breath -- and they consume the 20 same amount of alcohol over the same period of time, 21 weigh the same are their blood tests results going to be 22 23 -- one person's blood test result is --24 MR. CLANCY: Object, irrelevant, there's no

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Lori Fuller - March 29, 2007 Cross Examination by Mr. McCollum

THE COURT: (Inaudible) can you tie it in?

MR. McCOLLUM: Yeah, I think, depending on what her answer is.

THE COURT: Go ahead and answer.

MR. McCOLLUM: I didn't quite finish the question. Let me be fair to her.

THE COURT: All right. Finish your question.

- Q. (By Mr. McCollum) Would you agree or disagree, do you believe that two people weigh the same, consume the same amount of ethyl alcohol over the same period of time, be the same sex, same size, if they're given blood tests to measure the accurate amount of ethyl alcohol in their blood .08 grams per one-hundred milliliters is called intoxication, correct?
 - A. Yes.
- Q. Do you believe that it's possible for them to have -- one person to have a blood test score a hundred percent higher than the others?
- A. I know that there is variance, but I can't attest to how much variance because I don't do blood testing. I just don't know.
 - Q. Okay. That's fair.

If you were going to have a custom made door built for your eight-foot frame at your house and the best the guy could do was anywhere from six to ten

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Lori Fuller - March 29, 2007 45 Cross Examination by Mr. McCollum feet, would you allow that contractor to build you that 1 2 door? 3 There would have to be compromise. I mean --A. 4 it doesn't matter to me. 5 MR. CLANCY: Objection, irrelevant. 6 THE COURT: Sustained. 7 MR. McCOLLUM: Pass the witness. (The following took place after further redirect from the 8 9 State.) 10 FURTHER RECROSS-EXAMINATION 11 By Mr. McCollum: 12 It does produce a result, it just doesn't report it in that form, correct? 13 14 Α. No, it doesn't produce a result. It says "invalid test" and gives an operational message as to 1.5 16 what exactly happened. 17 Isn't it true that one of the reasons for the Q. invalid test is point .02 agreement that the instrument 18 stores, reports and stores within it, the test score? 19 20 That's true, but --Α. 21 Just doesn't report it, does it? Q. 22 That's true, yes. Α. 23 And is it also true that if a person blows into Q. the instrument the first time and there's a test score 24 obtained, it's not going to be reported yet, is it? 25

| | Lori Fuller - March 29, 2007 48 Further Recross-Examination by Mr. McCollum |
|----|---|
| 1 | Q. Well, did you know that as of August 10th, |
| 2 | 2006, none of the machines had been modified, according |
| 3 | |
| 4 | MR. CLANCY: Objection. There's no evidence in |
| 5 | the record as to that. |
| 6 | Q. (By Mr. McCollum) First of all, did you know |
| 7 | that? |
| 8 | A. No, I didn't. |
| 9 | MR. McCOLLUM: May I approach the witness, Your |
| 10 | Honor? |
| 11 | MR. CLANCY: Judge, objection. |
| 12 | THE COURT: Sustained. |
| 13 | MR. McCOLLUM: Pass the witness. |
| 14 | MR. CLANCY: No more questions by the State. |
| 15 | THE COURT: You may stand down. |
| 16 | (End of Excerpt of Proceedings) |
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l STATE OF TEXAS

COUNTY OF DALLAS

I, Laura Weed, Official Court Reporter in and for the County Criminal Court No. 2 of Dallas County, State of Texas, do hereby certify that the above and foregoing contains a true and correct transcription of all portions of evidence and other proceedings requested in writing by counsel for the parties to be included in this volume of the Reporter's Record in the above—styled and numbered cause, all of which occurred in open court or in chambers and were reported by me.

I further certify that this Reporter's Record of the proceedings truly and correctly reflects the exhibits, if any, offered by the respective parties.

DATED this 24th day of April, A.D., 2007.

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