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PETITIONER'S EXHIBIT #21
Lab notes



STATE CRIME LABORATORY

P. O. BOX 5274
Number 3 Natural Resources Drive
Little Rock, Arkansas 72215

EVIDENCE SUBMISSION FORM

Ref 93-05717
93-05718

AE

RM2-1211-

Investigating Officer/Agency Address/Telephone Number

DETECTIVE BRYN R IDGE
WEST MEMPHIS POLICE DEPARTMENT
100 COURT STREET
WEST, MEMPHIS, ARKANSAS 72301

732-7555

FOR LABORATORY USE ONLY

Laboratory Case No.:

93-05716

Date Rec'd in Lab.:

How Evidence Rec'd:

H/C

Agency Case No.:

93-05-0666

Type of Offense:

TRIPLE HOMICIDE

Suspect(s)

UNKNOWN

Victim(s)

CHRISTOPHER BYERS W/M 06-23-84-57
MICHAEL MOORE W/M 07-27-84-57
STEVE E. BRANCH W/M 11-26-84-57

(DOB)

(RACE)

(SEX)

(DOB)

(RACE)

(SEX)

Has any evidence been previously submitted
to the laboratory on this case? Yes ☒ No ☐

Location (City, County)

WEST MEMPHIS/CRITTENDEN

Date of Offense

05-05-93

Item No. List and describe evidence submitted: (Use back side if necessary)

Circle as needed

Documents

Drug Analysis

Firearms/Tools

Latent Prints

Medical Examiner

Photography

Serology

Toxicology

Trace Evidence

- 3-1 ✓ BOY SCOUT SHIRT BLUE IN COLOR - SC, TR
3-2 ✓ WHITE POLKADOT SHIRT - SC, TR
3-3 ✓ PAIR BLUE PANTS - SC, TR
5-6 ✓ ONE WHITE TENNIS SHOE - SC, TR, FA
7-7 ✓ CUB SCOUT BLUE/ YELLOW CAP - SC, TR
8-8 ✓ ONE BLACK TENNIS SHOE/ PURPLE INTERIOR - SC, TR, FA
9-9 ✓ BLUE JEANS AND BLUE WALLET - SC, TR
10-10 ✓ ONE BLACK TENNIS SHOE/ PURPLE INTERIOR - SC, TR, FA
11-11 ✓ STRIPED SHIRT WITH SURF BOARD DESIGN - SC, TR
12-12 ✓ PAIR CHILDS UNDERWEARE - SC, TR
13-13 ✓ ONE WHITE TENNIS SHOE - SC, TR, FA
14-14 ✓ ONE BLACK TENNIS SHOE AND ONE SOCK - SC, TR, FA
15-15 ✓ PAIR BLUE JEANS - SC, TR
16-16 ✓ ONE BLACK TENNIS SHOE - SC, TR, FA
17-17 ✓ PLASTER CAST SHOE PRINT 7 FA
18-18 ✓ PLASTER CAST SHOE PRINT 7 FA
WOODEN STICK FOUND AT SCENE - LP, SC, TR
MUD WITH SHOE TREAD DESIGN - FA

STATE CRIME LABORATORY

93 MAY 27 PM 3:23

RECEIVED

Type of Analysis Requested:

EXAMINE EACH ITEM FOR EVIDENCE THAT MIGHT IDENTIFY THE UNKNOWN SUSPECT
PAGE EVIDENCE EXAMINATION FOR EACH ITEM OF CLOTHING (CLOTHING ITEMS ARE WET FROM CRIME SCENE.)Summary of Crime: E-17 blood, hair, prints E-15, 16, 18 ALL other items - Blood, hair, fibers, semen
THREE WHITE MALE VICTIMS WERE FOUND TO BE DEAD AT THE SCENE AND FOUND UNDER WATER
CLOTHING ITEMS WERE FOUND UNDER WATER AND FLOATING IN THE AREA. PLASTER CAST OF FOOT PRINTS AS
THAT WERE FOUND AT THE SCENE APPARENTLY AS HE ATTEMPTED TO GET OUT OF WATER.

I certify that I have submitted the evidence listed above:

Date:

5-7-93

Name:

G.L.

003290

Signature: G.L.

DIS

*Conveyance
of Crime
Lab*



CITY OF WEST MEMPHIS

POLICE DEPARTMENT

100 Court Street - West Memphis, Arkansas 72301 - (501) 735-1210

Kermile Channel
Arkansas Crime Lab
Little Rock, Arkansas 72215

May 28, 1993

Dear Kermile,

I have a list of questions which is vital to our investigation. I understand Dr. Peretti will be out of the office for possibly another week and we still have many questions left unanswered.

- (1) Time of death?
 - (2) Cause of Death?
- Dr. Peretti stated he would send me his report over a week ago I still have yet to see it.

- (3) Pictures of clothing of the boys and the other set of clothing found away from the crime scene.

We took some pictures, however, we did not disturb clothing so not to lose any possible forensic evidence which the lab could possibly find.

- (4) Which clothing belonged to which boy?

If the lab can lay out the clothing and take photos we could get parents to ID the clothing.

We feel this is important due to two sets of clothing were turned inside out and one set taken of in a more proper manner.

Can it be determined from the clothing if the boys were wearing their clothes when they were initially taken.

Is there any tears or blood or punctures found in clothing of the boys?

- (5) Were the kids sodomized? If so what are the findings? Any tears, bruising, ect.

003291

ADD 1744



CITY OF WEST MEMPHIS

POLICE DEPARTMENT

100 Court Street - West Memphis, Arkansas 72301 - (501) 735-1210

- (6) Any blood found on clothing of the kids? Whose blood?
- (7) Can you provide a wound diagram and explain injuries the boys received?
- (8) Was the stick we sent used as a weapon on the children? The stick appeared to have been carved on or possibly done by animal can the lab address this.
- One boy had bruising which appeared to be where struck with something possibly the stick on his leg.
- (9) Dr. Perretti mentioned finding urine in the stomach of two boys and requested from us water samples.
- What has been determined in regards to the urine? Can the urine, if that is what it is, be used to eliminate any suspects or develop any.
- (10) Were the boys forced to perform oral sex on offender(s)? Please explain findings.
- (11) Lisa-Trace, has been very helpful could I get a description of fibers found, color and what areas should we look for similar fibers.
- (12) Which boys have similar fibers on them and description of them. Lisa has given me some information on this.
- (13) Any residue found under nails of boys?
- (14) Is there anything which would indicate a black male involvement?
- (15) Reference to injuries of kids. Defensive wounds, how severe? Were the kids dragged.
- (16) Can you tell us which kid was killed first?

003292

An Equal Opportunity Employer

2a

ADD 1745



CITY OF WEST MEMPHIS

POLICE DEPARTMENT

100 Court Street - West Memphis, Arkansas 72301 - (501) 735-1210

Anything you can think to give us would be greatly appreciated. We need information from the Crime Lab desperately. Today is the third week the boys were missed by parents. Tomorrow 05/27/93, will be the actual third week. We feel like we have not gotten sufficient information from the Crime Lab. We realize you have other cases coming in and must go to court on other matters, however, this case has received National recognition and without the Crime Labs information our hands are tied.

The efforts of everyone at the Crime Lab is greatly appreciated. The officers investigating this matter and myself need this information. We feel as though we are walking blind folded through this case at this moment.

Please answer the above questions as soon as possible and fax it to my attention. 501-732-7538. Thanks

Gary W. Gitchell, Inspector
West Memphis Police Department

Gary Gitchell

003293

115 (Rev. 1-14-87)

Below samples collected
by E.B. Channell 5/7/93
8:00 AM M.E. section.

Semen Examination

Victim: Christopher Byers
(MEA 329-93)

Lab No.	93-05716
Contributor	West Memphis P.D.
Date	5-7-93

Specimen	Acid Phos.	Fluores Crystals	Sperm Cells	p30	Groupings		Remarks
					ABH	Enzymes	
21 Oral Smear Slides x2			—				TAK+
Oral Swabs x3			—	—			
22 Rectal Smear Slides x2			—				None
Rectal Swabs x3			—	—			
23 Nasal Smear Slides x2			—				
Nasal Swabs			—	—			
24 Penile Slide			—				None
Penile Swabs			—	—			

FBI/DOJ

003294

711

Semen Examination

Lab No.	93-05716
Contributor	W. Memphis P.D.
Date	5-11-93

Specimen	Askd Phos.	Florence Crystals	Sperm Cells	p30	Groupings		Remarks
					ABH	Enzymes	
25 WALLET		None					* SEE blood sheet for description, muddy
26 Blue JEANS							
Back @ 15	-						Laser used -
Front @ 25	Very Light +		-	+	(False Positive Results)		parts turned inside out - also
27 Tennis shoe		None					
28 SHIRT							shirt is muddy LASER used
(inside shorttail) 15	-						
(Left front pocket) 25	-						
(inside neck) 35	-						
29 T-shirt							
(Front) 15	-						Laser used
30 Blue Pants							
Left Thigh 15	+	None	-	+	* PBOLE		
Right Thigh 25	+	None	-	+	Are False		
					Positives →		
					SEE ACTUAL		
					PC	PC	

003295

Semen Examination

Lab No.	93-05716
Contributor	W. Memphis P.D.
Date	5-12-93

Specimen	Acid Phos.	Florence Crystals	Sperm Cells	p30	Groupings		Remarks
					ASH	Enzymes	
Q11 TRAMP'S shoe			'NOVW'				
Q12 Cap			'NOVW'				
Q13 Tennis shoe			'NOVW'				
							5-18-93
Q29 Sock							Yellowish stain noted
(Front patch) 15	—						
(Area)							
Q30 Underwear							Laser used
(Front patch) 15	—						
(Inside patch) 20	—						
Q32 T-shirt							Short D dye + muddy - specimen to be turned inside out
Front chest area 15	—						

003296

003297

Saliva Examination

Lab No. 93-05717 / 05716

Contributor	W. Memphis A.P.
-------------	-----------------

Date 5-11-93

[illegible]

FBI/DOJ

003298

②

ADD 1751

4th (May. 10-25-83)
 Items 3 Q5, Q6 + Q7
 1. Kugel's superstitious, then placed into
 a cardboard box, "Pacali Girl", bath
 2. 3. for Tape such w/LS on Tape

Lab No.	93-05716
Contributor	W. Memphis P.D.
Date	5-11-93

003299

FAI/DOU

9

ADD 1752

Lab No.	93-05716
Contributor	W. Memphis P.D.
Date	5-12-93

[illegible]

100

1500/1500

BLOOD EXAMINATION

Lab No.	93-05716
Contributor	W Memphis P.D.
Date	5-12-93

Specimen	Pheno.	Hemo.	Anti-H	Erit.	Crust	Enzymes	Remarks
(E-4) 11 Tennis shoe, ② feet with 'FRANKLIN' No shoe string			'Noun'				Packaged in brown paper bag w/ fiber tape seal w/ NS + LS on tape. Clear Tape seal w/ ABR on tape. E-4 1 white Tennis shoe CF 93-05-0666 ABR 250 5-6-93
(E-5) 12 Cap, boy Scout blue/yellow	—						Packaged in brown paper bag w/ fiber tape seal w/ JH + LS on tape. Clear Tape seal w/ ABR. E-5 Blue/yellow Crb Scout Cap CF 93-05-0666 ABR 250 5-6-93
(E-6) 13 Tennis shoe black w/ purple (48A) w/ shoe string	—						Brown paper bag w/ fiber tape seal w/ JH + LS on tape. Clear Tape seal w/ ABR E-6 10 Black Tennis shoe purple interior CF 93-05-0666 ABR 250 5-6-93
A/S yellow envelope, 1 record from Packets							

699

FBI/DOJ

003301

ADD 1754

BLOOD EXAMINATION

Specimen	Pheno.	Hemo.	Anti-H	Eul.	Crust	Enzymes	Remarks
14 Wooden Stick (E.V.)	—						Wrapped in brown paper w/white on tape seal w/ABR on tape, Fiber Tape seal w/LS on tape. Property evidence Tag attached 93-05-0964.
15 T-shirt, 'shore club' blue + green stripes w/pink (or ... in color	—	—					Packaged in brown paper paper bag w/white ev. Tape seal w/ABR on tape Fiber Tape seal w/LS on tape. E-1 Clothing Trace (1) Pair Blue Jeans (2) Stripped shirt Received From Gary Chadwick Transmitt on 5-7-93. CF 93-05-0066 Triple homicide ABR 250 5-7-93
16 Blue Jeans 'RUSTLER' K in waist	+	—					Stains noted on both leg fronts, thigh area

003302

1.00

BLOOD

Case number

F 30

K.B. Chinnici/FH
Analyst

5-18-93
Date

P 30	<u>93-05716 Q10^{1C}</u>	P 30	<u>SEMENT</u>	P 30	_____
P 30	<u>" Q10²⁵</u>	P 30	_____	P 30	_____
P 30	<u>" Q10¹⁵</u>	P 30	_____	P 30	_____
P 30	<u>" Q6²⁵</u>	P 30	_____	P 30	_____
P 30	<u>" Q6^{1C}</u>	P 30	_____	P 30	_____
P 30	<u>93-05547 Q1</u>	P 30	_____	P 30	_____
P 30	<u>" Q2</u>	P 30	_____	P 30	_____
P 30	<u>BLK</u>	P 30	_____	P 30	_____

120 Volts

22 Millamps

30 min.
Time

003303

Case number

P 30
K.B. Channell
Analyst

6-9-93
Date

P 30	93-06822 Q1 ¹³	P 30	BLK	P 30	
P 30	" Q1 ¹⁴	P 30	SEMP	P 30	
P 30	Mud/control	P 30		P 30	
P 30	93-07118 Q1	P 30		P 30	
P 30	" Q2	P 30		P 30	
P 30	" Q3	P 30		P 30	
P 30	8230 Q10 ²³	P 30		P 30	
P 30	" Q10 ²⁵ control	P 30		P 30	

120 Volts 18 Millamps 30^{ms} time

003304



James Wells (Genetic Design)
1-800-633-9913
x2005

State Crime Laboratory
Telephone Conversation Record

Date: 5-18-93

Time: 8:00 AM

Caller: John Rader

Agency: Genetic Design

Agency Phone Number: 1-800-247-9540

Crime Lab Case Number: 93-05716

Conversation Notes:

Blood from Victim (+3)
Blood from suspect: Echols + Gamm (+2)
Q samples (+2)

Send cover letter w/information on case (limited).

1 wk or 10 days if promising results.

John Rader will fax info and call me when sample received.
JK

6/23/93 9:25 John Rader -
Ligatures - No results - No amplification
Tissues on knife - " "

003305

MAY 19, 1993

Genetic Design, Inc
7017 Albert Pick Rd.
Greensboro, NC 27409

~~CONFIDENTIAL~~
RE: DNA Analysis

The Following samples have been requested for
possible DNA analysis by Inspector Gitchell, West
Memphis Police Department (501) 732-7533

Agency Case #: 93-05-066

Serology case #: 93-05716

Type of offense: Triple Homicide

VICTIMS: Christopher Byers w/m DOB: 6-23-84

James Michael Moore w/m DOB: 7-27-84

Steve Branch w/m DOB: 11-26-84

Suspects: Damien Wayne Echols w/m DOB: 12-11-74

Richard G. Cummings w/m DOB: 3-6-70

003306

ADD 1759

Enclosed are the following items:

K₁ Blood sample From James M. Moore

K₁ Blood " " Christopher Byers

K₁ Blood " " Steve Branch

K₂ Blood " " Damien W. Echols

K₄ Blood " " Richard Cummings

Q₁₀ (23) cuttings From blue jeans - positive P30

Q₁₀ (13) cuttings From blue jeans - positive P30

Q₃₇ possible Tissue recovered From knife

Q₃₈ possible Tissue recovered From Ligature
From Christopher Byers

Q₃₉ Possible Tissue recovered From Ligature
From James Michael Moore

James B. Clum II, Analyst
(501) 227-5747

ARKANSAS STATE CRIME LABORATORY



SENT 5/19/93
H

May 19, 1993

Genetic Design, Inc.
7017 Albert Pick Road
Greensboro, N.C. 27409

RE: DNA Analysis

The following samples have been requested for possible DNA analysis by
Inspector Gitchell, West Memphis (AR) Police Department (501)732-7555:

Agency Case #: 93-05-0666
Serology Case #'s: 93-05716/93-05717/93-05718
Type of Offense: Triple Homicide
Victim's: Christopher Byers, w/m, DOB: 6-23-84
James Michael Moore, w/m, DOB: 7-27-84
Steve Branch, w/m, DOB: 11-26-84

Suspect's: Damien Wayne Echols, w/m, DOB: 12-11-74
Richard G. Cummings, w/m, DOB: 3-6-70

Enclosed are the following items:

- K1 Blood sample from James M. Moore
- K1 Blood sample from Christopher Byers
- K1 Blood sample from Steve Branch
- K2 Blood sample from Damien W. Echols
- K4 Blood sample from Richard Cummings

- Q6(2S) Cuttings from blue jeans: questioned stain } 2 pass BATERIAK in nature
- Q10(1S) Cuttings from blue jeans: questioned stain }
- Q37 Possible tissue recovered from knife No product
- Q4 Possible tissue recovered from ligature from Christopher Byers } NO REACTIONS
- Q39 Possible tissue recovered from ligature from James Michael Moore } YET more pass. Run 1st

Kermit B. Channell II
Kermit B. Channell II, Serologist

KBC:11

#3 Natural Resources Drive, P.O. Box 5274, Little Rock, Arkansas 72215
(501) 227-5747, FAX: (501) 227-0713

003308

ADD 1761

State Crime Laboratory
Telephone Conversation Record

Date: 8-11-93

Time: 9:40 AM

Caller: Det Ridge

Agency: W. Memphis PD

Agency Phone Number:

Crime Lab Case Number: Triple homicide case (Kermits)

Conversation Notes: * Genetic Design re DNA analysis 2 stage -
Should For. Sci. Assoc. re examine items? 150 items
HLA DQ X

Were samples after search warrant found to have blood,
biological material or anything?

Is there any reason to do DNA on any post search warrant
collected samples?

W. Memphis to obtain samples from other
suspects; Court order exists for sampling.

Advised Det Ridge that if 'Genetic Design' did
PCR analysis on the samples and did not have
enough sample to yield a result, then another
testing lab probably would not have any better results.

Advised him to talk to Kermit to determine
the need for collecting samples from other
suspects.

EV

Q125 985

003309

10

State Crime Laboratory
Telephone Conversation Record

Date: 10-11-93

Time: 10:30

Caller: Det. Ridge

Agency: W. Memphis P.D.

Agency Phone Number: _____

Crime Lab Case Number: 93-05716

Conversation Notes: _____

Spoke w/ Det. Ridge about sample sent to Peniter Design. I told him that sample could be submitted to other lab but in my opinion would not be worth while. If Peniter design could not obtain results via PCR, the chance of other lab obtaining results would be very negligible.

I told him that I had one stain from Mitchell shirt (Q85) which probably would not yield results but I would send it off.

Th

003310

700

STATE CRIME LABORATORY

P.O. BOX 5274
Number 3 Natural Resources Drive
Little Rock, Arkansas 72215

Laboratory Services
227-5747

REPORT OF LABORATORY ANALYSIS

Medical Examiner
227-5838

Investigating Officer/Agency/Address

Det. Bryan Ridge
West Memphis Police Department
100 Court Street
West Memphis, AR 72301

Laboratory Case Number: 93-05716

Page 1 of 4

Date Received in Lab: 05/07/93

How Evidence Received: H C Masengale

Agency Case Number: 93-05-0666

Suspect(s):

Damien Wayne Echols
Michael Wayne Hutchenson
Kenneth Cagle
Richard Gordon Cummings Jr.
Steve Menard
John Mark Byers
Todd Moore
Christopher Morgan

Victim(s):

James Michael Moore

Date of Report: 05/01/93

EVIDENCE SUBMITTED BY MEDICAL EXAMINER'S OFFICE:

- Blood sample from James Michael Moore (ME 329-93)
Oral swabs and smear slides — Blood, not further characterized
Q2 Rectal swabs and smear slides
Q3 Nasal swabs and smear slides — Blood, " " "
Q4 Penile swabs and smear slides

EVIDENCE SUBMITTED BY WEST MEMPHIS POLICE DEPARTMENT:

- Q5 Wallet (E-7) ✓
Q6 Bluejeans (E-7) ✓
Q7 Tennis shoe, right (E-8) ✓
Q8 Shirt (E-1) ✓
Q9 T-shirt (E-2) ✓
Q10 Pants (E-3) ✓
Q11 Tennis shoe, right (E-4) ✓
Q12 Boy scout cap (E-5) ✓
Q13 Tennis shoe, left (E-6) ✓
Q14 Wooden stick (E-17) ✓
Q15 T-shirt (E-1: Gary Chadwick) ✓
Q16 Bluejeans (E-1: Gary Chadwick) ✓
Q17 T-shirt (E-1: Johnny Witner) ✓
Q18 Pants (E-1: Johnny Witner) ✓
Q19 Hook (E-19) ✓
Q20 Rope (E-19) ✓

MISCELLANEOUS CLOTHING (E-1): ✓

- Q21 Blue jeans
Q22 Shirt
Q23 Socks
Q24 Shirt
Q25 Plastic bag

003311

ADD 1764

STATE CRIME LABORATORY

P.O. BOX 5274
Number 3 Natural Resources Drive
Little Rock, Arkansas 72215

Laboratory Services
227-5747

REPORT OF LABORATORY ANALYSIS

Medical Examiner
227-5938

Investigating Officer/Agency/Address

Det. Bryan Ridge
West Memphis Police Department
100 Court Street
West Memphis, AR 72301

Laboratory Case Number: 93-05716

Page 2 of 4

Date Received in Lab: 05/07/93

How Evidence Received: H C Masengale

Agency Case Number: 93-05-0666

Suspect(s):

Damien Wayne Echols
Michael Wayne Hutchenson
Kenneth Cagle
Richard Gordon Cummings Jr.
Steve Menard
John Mark Byers
Todd Moore
Christopher Morgan

Victim(s):

James Michael Moore

Date of Report: 06/01/93

- 6 Knife and wooden scabbard (E-23)✓
- ✓27 Ice axe (E-24)✓
- Q28 Tennis shoe, right (E-12)✓
- Q29 Sock (E-12)✓
- Q30 Underwear (E-10)✓
- Q31 Tennis shoe, right (E-11)✓
- Q32 T-shirt (E-9)✓
- Q33 Tennis shoe, left (E-14)✓
- Q34 Blue jeans (E-13)✓

ITEMS FROM RICHARD CUMMINGS

- Q35 Hammer (E-31)✓
- Q36 Knife (E-26)✓
- Q37 Knife (E-27)✓
- Q38 Hammer (E-29)✓
- Q40 Hammer (E-30)✓
- Q41 Knife (E-28)✓
- Q42 Tire Billy (E-25)✓
- Q39 Ligature - shoe string (ME 329-93)
- Q43 Knife (E-57)✓
- Q44 Knife (E-58)✓
- Q45 Knife (E-59)✓
- Q46 Hammer (E-41)✓
- Q47 Metal balls (E-41)✓
- Q48 Knife (E-41)✓
- Q49 Wire (E-49)✓

MS FROM STEVE MENARD (E-50)

- Q50 Socks✓
- Q51 Socks✓
- Q52 Shirt✓
- Q53 Shoe, right✓
- Q54 Shoe, left✓

003312

ADD 1765

STATE CRIME LABORATORY

P.O. BOX 6274
Number 3 Natural Resources Drive
Little Rock, Arkansas 72215

Laboratory Services
227-6747

REPORT OF LABORATORY ANALYSIS

Medical Examiner
227-5936

Investigating Officer/Agency/Address

Det. Bryan Ridge
West Memphis Police Department
100 Court Street
West Memphis, AR 72301

Laboratory Case Number: 93-05716

Page 3 of 4

Date Received in Lab: 05/07/93

How Evidence Received: H C Masengale

Agency Case Number: 93-05-0666

Suspect(s):

Damian Wayne Echols
Michael Wayne Hutchenson
Kenneth Cagle
Richard Gordon Cummings Jr.
Steve Menard
John Mark Byers
Todd Moore
Christopher Morgan

Victim(s):

James Michael Moore

Date of Report: 06/01/93

SPECT SAMPLES

- K2 Blood sample from Damian Echols (E-22)✓
- K3 Saliva sample from Damian Echols (E-22)✓
- K4 Blood sample from Richard Cummings (E-33)✓
- K5 Saliva sample from Richard Cummings (E-33)✓
- K6 Blood sample from Steven Skaggs (E-38)✓
- K7 Saliva sample from Steven Skaggs (E-38)✓
- K8 Blood sample from Thomas Polletta (E-36)✓
- K9 Saliva sample from Thomas Polletta (E-36)✓
- K10 Blood sample from Tim Dodson (E-35)✓
- K11 Saliva sample from Tim Dodson (E-35)✓
- K12 Blood sample from William Welch (E-44)✓
- K13 Saliva sample from William Welch (E-44)✓
- K14 Blood sample from Robert Deangelo (E-46)✓
- K15 Saliva sample from Robert Deangelo (E-46)✓
- K16 Blood sample from Robert Burch (E-37)✓
- K17 Saliva sample from Robert Burch (E-37)✓
- K18 Blood sample from Daniel LeFler (E-43)✓
- K19 Saliva sample from Daniel LeFler (E-43)✓
- K20 Blood sample from Tracy Laxton (E-45)✓
- K21 Saliva sample from Tracy Laxton (E-45)✓
- K22 Blood sample from James Martin (E-56)✓
- K23 Blood sample from Anthony Barnes (E-50)✓
- K24 Blood sample from Lance Renshaw (E-55)✓
- Blood sample from David Looney (E-54)✓
- Blood sample from Joe Gooch (E-52)✓
- K27 Blood sample from Michael Headlee (E-53)✓
- K28 Blood sample from Charles Morton (E-51)✓
- K29 Blood sample from Thomas Holland (E-61)✓
- K30 Saliva sample from Thomas Holland (E-61)✓
- K31 Blood sample from Christopher Morgan (E-62)✓

003313

ADD 1766

STATE CRIME LABORATORY

P.O. BOX 5274
Number 3 Natural Resources Drive
Little Rock, Arkansas 72215

Laboratory Services
227-5747

REPORT OF LABORATORY ANALYSIS

Medical Examiner
227-5636

Investigating Office/Agency/Address

Det. Bryan Ridge
West Memphis Police Department
100 Court Street
West Memphis, AR 72301

Laboratory Case Number: 93-05716

Page 4 of 4

Date Received in Lab: 05/07/93

How Evidence Received: H C Masengale

Agency Case Number: 93-05-0666

Suspect(s):

Damien Wayne Echols
Michael Wayne Hutchenson
Kenneth Cagle
Richard Gordon Cummings Jr.
Steve Menard
John Mark Byers
Todd Moore
Christopher Morgan

Victim(s):

James Michael Moore

Date of Report: 06/01/93

SUSPECT SAMPLES:

- 32 Saliva sample from Christopher Morgan (E-62) ✓
- 33 Blood sample from Steve Menard (E-55) ✓
- 4 Blood sample from John Byers (E-57) ✓
- K35 Blood sample from Roy Todd Moore (E-59) ✓
- K36 Blood sample from L. G. Hollingsworth (E-65) ✓
- K37 Blood sample from Michael Leiter (E-67) ✓
- K38 Blood sample from Charles Craig (E-69) ✓

RESULTS OF EXAMINATION:

Human blood was identified on Q52. Blood, too limited in quantity for further characterization, was identified on Q44. Blood, not further characterized, was identified on Q1 and Q3. No blood was found on any other questioned items.

Tissue was recovered from Q37 and Q39.

No semen was found on any items.

Samples have been retained.

Kermit B. Channell II
Kermit B. Channell II, Serologist

KBC/jl

003314

ADD 1767



FORENSIC CASH REPORT
July 13, 1993

7017 ALBERT PICK ROAD
GREENSBORO, NC 27409

Kermit B. Channell, II
Serologist
Arkansas State Crime Laboratory
#3 Natural Resources Drive
Little Rock, AR 72215

On May 24, 1993, our laboratory received from you the following ten (10) items of evidence:

1. K1 Blood sample from James M. Moore.
2. K1 Blood sample from Christopher Byers.
3. K1 Blood sample from Steve Branch.
4. K2 Blood sample from Damien W. Echols.
5. K4 Blood sample from Richard Cummings.
6. Q6(2S) Cuttings from blue jeans: questioned stain.
7. Q10(1S) Cuttings from blue jeans: questioned stain.
8. Q37 Possible tissue recovered from knife.
9. Q4 Possible tissue recovered from ligature from Christopher Byers.
10. Q39 Possible tissue recovered from ligature from James Michael Moore.

On June 7, 1993, we received the following three (3) items of evidence for comparison:

1. K33 Blood sample from Steve Menard.
2. Q52(1B) Human blood recovered from shirt.
3. Q52(2B) Human blood recovered from shirt.

As requested, all thirteen (13) items of evidence were analyzed using HLA DQ α PCR DNA analysis. All PCR analysis was performed in duplicate with both positive and negative controls incorporated into the procedure. Human quantitation blots failed to detect the presence of human DNA in items Q37, Q4, and Q39. DNA isolated from the blue jeans (Items Q6 and Q10) could not be amplified due to inhibition. The results of the analysis are shown in Attachment #1. The HLA DQ α type 1.1, 3 obtained from the two cuttings from the shirt (Items Q52[1B] and Q52[2B]) is consistent with the type obtained from Steve Menard and occur in 2.7% of the North American Black population and 5.3% of the North American Caucasian population.

Sincerely,

GENETIC DESIGN, INC.


Michael DeGuglielmo
Director, Forensic Analysis

Attachment #1


Special Agent James H. Hester
Arkansas Commission Expires
8-12-97

003315

ADD 1768

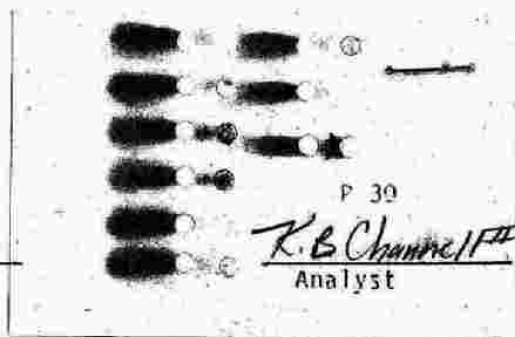
Sig

ATTACHMENT #1

DNA Probe/Locus HLA DQα	Item K1: James M. Moore	Item K1: Christopher Byers	Item K1: Steve Branch	Item K2: Damien W. Behols	Item K4: Richard Cummings	Item K33: Steve Menard
	4, 4	1.1, 4	1.2, 4	2, 3	2, 4	1.1, 3
DNA Probe/Locus	Item Q6(2S): Cuttings from Blue Jeans	Item Q37: Tissue from Knife	Item Q4: Tissue from Ligature from Christopher Byers	Item Q39: Tissue from Ligature from James M. Moore	Item Q52(1B): Human blood from Shirt	Item Q52(2B): Human blood from Shirt
	No Result	No DNA Detected	No DNA Detected	No DNA Detected	1.1, 3	1.1, 3
HLA DQα	No Result	No DNA Detected	No DNA Detected	No DNA Detected	1.1, 3	1.1, 3

003316

Case number



5-18-93
Date

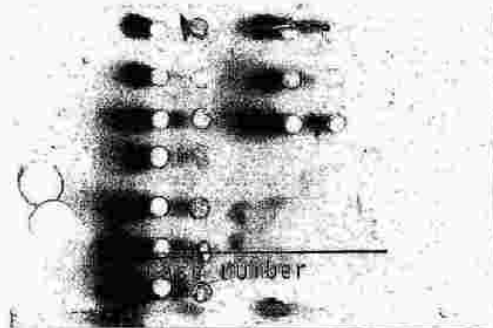
P 30	<u>93-05716 Q10^{1C}</u>	P 30	<u>SEMAN</u>	P 30	_____
P 30	<u>" Q10²⁵</u>	P 30	_____	P 30	_____
P 30	<u>" Q10¹⁵</u>	P 30	_____	P 30	_____
P 30	<u>" Q6²⁵</u>	P 30	_____	P 30	_____
P 30	<u>" Q6¹⁰</u>	P 30	_____	P 30	_____
P 30	<u>93-05547 Q1</u>	P 30	_____	P 30	_____
P 30	<u>" Q2</u>	P 30	_____	P 30	_____
P 30	<u>BLK</u>	P 30	_____	P 30	_____

120 Volts

22 Milliamps

30 ^{min} Time

003317



P 30
K.B. Channel
Analyst

6-9-93
Date

P 30	<u>93-06822 Q1</u> ¹³	P 30	<u>BLIS</u>	P 30	_____
P 30	<u>" Q1</u> ¹²	P 30	<u>SEMAN</u>	P 30	_____
	<u>[REDACTED]</u>	P 30	_____	P 30	_____
P 30	<u>93-07118 Q1</u>	P 30	_____	P 30	_____
P 30	<u>" Q2</u>	P 30	_____	P 30	_____
P 30	<u>" Q3</u>	P 30	_____	P 30	_____
P 30	<u>8230 Q10</u> ²³	P 30	_____	P 30	_____
P 30	<u>" Q10</u> ²⁵ <u>Control</u>	P 30	_____	P 30	_____

120 Volts

18 Millamps

30^{mi} Time

003318