



**SANTA CRUZ COUNTY  
SHERIFF'S OFFICE**

5200 SOQUEL AVE  
SANTA CRUZ, CA 95062  
(831)454-7600

INCIDENT REPORT	
CASE NUMBER <b>1608229</b>	SUPPLEMENT NUMBER
CASE TYPE <b>CORONER</b>	CAD EVENT NUMBER
REPORTING OFFICER <b>11331/SHF101 - PRUGER, MICH</b>	REPORT DATE <b>10/16/2016</b>

**INCIDENT**

LOCATION <b>SANTA CRUZ, CA 95060</b>				OCURRED	DATE	TIME	DAY
PREMISE NAME <b>IN FRONT AT [REDACTED] GETCHELL ST</b>				ON OR FROM	<b>10/16/2016</b>	<b>03:42</b>	<b>SUN</b>
JURISDICTION <b>SCSO</b>				TO	<b>10/16/2016</b>	<b>03:42</b>	<b>SUN</b>
BEAT <b>5</b>	SUB BEAT <b>5-9</b>	SCCACT		REPORTED	<b>10/16/2016</b>	<b>06:00</b>	<b>SUN</b>

NATURE OF INCIDENT

ALCOHOL RELATED   
  SENIOR CITIZEN   
  HATE / BIAS   
  ARSON   
  CHILD ABUSE  
 GANG RELATED   
  OFFICER ASSAULT   
  DRUG RELATED   
  DOMESTIC VIOLENCE   
  JUVENILE

RELATED CASE NUMBERS  
**16S-08694**

**SYNOPSIS**

Decedent was contacted by Santa Cruz Police Department during a call for service where the decedent was identified as having mental health problems and had been threatening them. Officers on scene attempted lower levels of force prior to using deadly force. The decedent was shot.

**ADDITIONAL INFORMATION**

<input type="checkbox"/> USE OF FORCE	<input type="checkbox"/> SCHOOL	<input type="checkbox"/> CABRILLO COLLEGE
<input type="checkbox"/> MENTAL HEALTH	<input type="checkbox"/> GRAFFITI	<input type="checkbox"/> BWC VIDEO
<input type="checkbox"/> PREA	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> WARRANT REQUEST

**STATUS**

CASE STATUS <b>CLOSED</b>	CASE STATUS DATE <b>01/12/2017</b>	DISPOSITION <b>NO ACT</b>	DISPOSITION DATE <b>01/12/2017</b>	APPROVAL <b>03167/SHF101 - LIBERTY, TODD M</b>	APPROVAL DATE <b>01/12/2017</b>
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**OFFENSES**

ENTRY NO <b>1</b>	VIOLATION/STATUTE <b>CORONER-H</b>	OFFENSE DESCRIPTION <b>CORONER - HOMICIDE</b>						
	ATTEMPTED <b>N</b>	LEVEL	DEGREE	COUNTS	NCIC CODE	BCS CODE	DISPOSITION	DISPOSITION DATE
AGENCY CLASSIFICATION <b>CORONER-H</b>			LOCATION OF OFFENSE <b>IN FRONT OF [REDACTED] GETCHELL ST., SANTA CRUZ</b>					
GOC		MODIFIER 1	MODIFIER 2		MODIFIER 3			
COURT			COURT DATE			JUDGE		
COMMENT <b>DECEDENT WAS CONTACTED BY SANTA CRUZ POLICE DEPARTMENT DURING A CALL FOR SERVICE WHERE THE DECEDENT WAS IDENTIFIED AS HAVING MENTAL HEALTH PROBLEMS AND AND HAD BEEN THREATENING THEM. OFFICERS ON SCENE ATTEMPTED LOWER LEVELS OF FORCE PRIOR TO USING DEADLY FORCE. THE DECEDENT WAS SHOT.</b>								

**OTHERS**

ENTRY NO <b>1</b>	INVOLVEMENT <b>D</b>	NAME: LAST, FIRST, MIDDLE <b>ARLT, SEAN</b>										
HOME ADDRESS <b>[REDACTED] PLATEAU SANTA CRUZ CA</b>				MAILING ADDRESS								
EMPLOYER			EMPLOYER ADDRESS			OCCUPATION						
HOME PHONE <b>(831) 239-6107</b>			CELL PHONE		OTHER PHONE		EMPLOYER PHONE					
DOB <b>06/25/1984</b>	AGE <b>32</b>	SEX <b>M</b>	RACE <b>W</b>	ETH <b>N</b>	HEIGHT	WEIGHT	HAIR	EYES	POB	RESIDENCY	CITIZEN	GANG IDENTIFICATION
DL NUMBER	DL ST	SSN	FBI ID	STATE ID	LOCAL	ID1	ID2					
COMMENT												
ENTRY NO <b>2</b>	INVOLVEMENT <b>N</b>	NAME: LAST, FIRST, MIDDLE <b>[REDACTED]</b>										
HOME ADDRESS <b>[REDACTED] PLATEAU SANTA CRUZ CA</b>				MAILING ADDRESS								
EMPLOYER			EMPLOYER ADDRESS			OCCUPATION						
HOME PHONE			CELL PHONE <b>[REDACTED]</b>		OTHER PHONE		EMPLOYER PHONE					
DOB	AGE	SEX	RACE	ETH	HEIGHT	WEIGHT	HAIR	EYES	POB	RESIDENCY	CITIZEN	GANG IDENTIFICATION
DL NUMBER	DL ST	SSN	FBI ID	STATE ID	LOCAL	ID1	ID2					
COMMENT												
ENTRY NO <b>3</b>	INVOLVEMENT <b>N</b>	NAME: LAST, FIRST, MIDDLE <b>[REDACTED]</b>										
HOME ADDRESS <b>[REDACTED] PLATEAU SANTA CRUZ CA</b>				MAILING ADDRESS								
EMPLOYER			EMPLOYER ADDRESS			OCCUPATION						
HOME PHONE			CELL PHONE		OTHER PHONE		EMPLOYER PHONE					
DOB	AGE	SEX	RACE	ETH	HEIGHT	WEIGHT	HAIR	EYES	POB	RESIDENCY	CITIZEN	GANG IDENTIFICATION
DL NUMBER	DL ST	SSN	FBI ID	STATE ID	LOCAL	ID1	ID2					
COMMENT												

**MEDIA LIST REPORT**

	TITLE <b>CRIME SCENE PROCESSING RPT</b>	MEDIA DATE <b>10/26/2016 09:12</b>	ENTERED DATE <b>10/26/2016 09:12</b>
	CONTEXT <b>INCIDENT</b>		
	COMMENTS		

INCIDENT REPORT		SANTA CRUZ COUNTY SHERIFF'S OFFICE		CASE NUMBER 1608229	
	TITLE <b>AUTOPSY NOTES</b>	MEDIA DATE 01/13/2017 09:52	ENTERED DATE 01/13/2017 09:52		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				
	TITLE <b>AUTOPSY PROTOCOL</b>	MEDIA DATE 01/13/2017 09:52	ENTERED DATE 01/13/2017 09:52		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				
	TITLE <b>AUTOPSY WORKSHEET</b>	MEDIA DATE 01/13/2017 09:52	ENTERED DATE 01/13/2017 09:52		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				
	TITLE <b>AUTOPSY EVIDENCE RPT</b>	MEDIA DATE 10/26/2016 09:13	ENTERED DATE 10/26/2016 09:13		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				
	TITLE <b>DEATH CERTIFICATE</b>	MEDIA DATE 01/13/2017 09:53	ENTERED DATE 01/13/2017 09:53		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				
	TITLE <b>TOXICOLOGY REPORT</b>	MEDIA DATE 01/13/2017 09:53	ENTERED DATE 01/13/2017 09:53		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				
	TITLE <b>TOXICOLOGY REQUEST</b>	MEDIA DATE 01/13/2017 09:53	ENTERED DATE 01/13/2017 09:53		
	CONTEXT <b>INCIDENT</b>				
	COMMENTS				

**NARRATIVE**

DETECTIVE CORONER REPORT

DECEDENT NAME: ARLT, Sean

DECEDENT AGE: 6/25/1984 - 32 Years Old

DATE OF DEATH: 10/16/2016

TIME OF DEATH: 0400 hours

LOCATION OF DEATH: On Getchell St./In front of [REDACTED] Getchell St.

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IDENTIFIED BY: Santa Cruz Police Department/Previous History

NEXT OF KIN: [REDACTED]

NOTIFIED BY: Santa Cruz Police Department

MANNER OF DEATH:

DATE/TIME INJURY OCCURRED: 10/16/2016 @ 0342 hours

LOCATION OF INJURY: 300 Block of Getchell St., Santa Cruz

CAUSE OF DEATH:

DUE TO:

DUE TO:

DUE TO:

OTHER SIGNIFICANT CONDITIONS:

PATHOLOGIST: Dr. Stephany Fiore

INDIGENT NUMBER:

NARRATIVE:

On Sunday, October 16, 2015 at about 0600 hours I contacted Sergeant Baldrige who asked me if I had been contacted for the Santa Cruz Police Department investigation. I advised that I had not and he told me that there had been an officer involved shooting earlier this morning and that a death had occurred as a result of the shooting.

I contacted dispatch who advised that there had been a death and that Sergeant Vasquez was working the investigation for the Santa Cruz Police Department. I contacted Sgt. Vasquez who confirmed that there had been a death as a result of an officer using his firearm. He advised that the District Attorneys Office was taking over the investigation from the Police Department. Sgt Vasquez stated that the decedent was at [REDACTED] Chace St., Santa Cruz. I was also advised that the Sheriff's Office Crime Scene Investigators were also called to the scene to collect evidence at the scene.

I went to the scene to see if I was able to assist. I arrived on scene and spoke to Lt. LeMoss. He gave me the following information. He stated that the decedent had been identified as a Sean Arlt. He said that Arlt had left the family residence at [REDACTED] Plateau last night after breaking several windows because he was upset with his father and mother. The subject lives at their residence in a granny unit. Lt. LeMOss said that at about 0330 hours dispatch received a 911 call regarding Arlt causing a disturbance at a family friend's home at [REDACTED] Chace St. The family has known Arlt for many years. Arlt was yelling that he wanted "to kill everyone". Officers were dispatched to the location. Lt. LeMoss advised me that his department had a previous incident regarding Arlt the week prior, when Arlt fought officers who had responded to a 5150 call for service. Lt Lemoss said that when officers arrived on scene they made contact with Arlt. He advised that officers attempted to use their Tazer's at first and then used deadly force. Lt. LeMoss indicated that the subject continued to fight with officers while they attempted to render aid to the subject. The Santa Cruz Fire Department was called to the scene. Life saving attempts were made, however Arlt was pronounced deceased at the scene.

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by Santa Cruz Fire Medic Brian Thomas at 0400 hours. Lt. LeMoss advised me that the investigation had been turned over to the Santa Cruz District Attorney's Office.

I later spoke to the lead investigator from the District Attorney's Office, Pat Murray. Murray told me that the DAO would conduct interviews with the family and witnesses. He advised that the DAO would be searching the decedent's residence. I advised him of the questions the Coroner's Office would like to have answered and upon searching the residence if we could get a list of any medication the decedent may have been taking. Murray agreed and later contacted me by phone to advise me of the information that he had received. He indicated that the medications that he decedent was taking were: Wellbutrin, Promethazine, Sertraline and Nystatin-Triamcinolone Cream. He further advised that he had located information regarding test panels that had been ordered by Dr. Barry Norris. It is not known if these tests were ever submitted to.

Murray told me that during the interview process the decedent's father, [REDACTED] Arlt told investigators that his son was suffered from a mood disorder and bi-polar disorder. recently he was becoming more agitated and had been taken to the Behavioral Mental Health facility by his father on October 10, 2016. He then again was taken to the facility on the next day after attacking people with pens. Murray advised that during their search warrant they observed the decedent's room where they saw "rantings" written on the ceiling and journals with rambling eastern philosophy.

I was contacted by the decedent's father, [REDACTED] Arlt later in the day by phone. At that time I had the opportunity to ask questions regarding his son. He told me that in July 2015, the decedent saw a psychiatrist, [REDACTED] who through an interview with the decedent determined that he had a "mood disorder" and a "bi-polar disorder". He told me that medications were prescribed at that time, but the decedent did not agree with the diagnosis and refused to take any of the prescribed medications. He told me that this past summer the decedent was getting worse. He said that he was living in a separate unit attached to the residence. Recently the decedent had become more "defiant and argumentative." Arlt described his son as "quite manic" and told me that his son was having trouble sleeping and during this episode had not slept in a couple of days. Arlt stated that the decedent had been abusing both alcohol and marijuana.

The prior night however Arlt described his son as having a polite dinner with family. However after dinner he began to act agitated. At about 1930 hours the decedent asked Arlt if he wanted to go get some beer with him. Arlt told me that it was raining and he really didn't want his son to be drinking because he knew that it would lead to problems. He attempted to have his son come back into the residence, but he left the area. At about 2130 hours, he heard his son knocking at the his bedroom door. He went to check and found that his son had left two beers and began telling him that he needed the beer "for his problems" and that he "needed help." Arlt said that he then asked his son to leave the residence. Once out of the residence Arlt told me he locked the doors and windows because he was worried that his son would become violent. He then went back to sleep. At about 0530 hours, he discovered messages from his friends/neighbors that his son had been shot.

Arlt told me his son had seen other doctors, but had not been truthful with those doctors as to what had been previously diagnosed as his problems. He told doctors that he was depressed, having trouble sleeping and quitting smoking. Arlt said that the doctor then just prescribed Wellbutrin and nothing wlse was done. This was Dr. Paul [REDACTED] Arlt said that he believed that his son may have abused the Wellbutrin as well. Dr. [REDACTED] apprenly then referred the decedent to another doctor.

#### OBSERVATIONS:

The area and scene of the incident was located in front of [REDACTED] Getchell in the street. The street was wet from hard rain and at the time I arrived it was still raining hard. I had been advised prior that there

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had been two shots fired and I observed two expended rounds on the ground covered by cards in an attempt to protect them from the elements. The Police Department had placed boards around the decedent to prevent people from seeing him. A 10'x10' pop up tent was also in place to attempt to preserve the evidence.

I observed the decedent lying supine on a backboard underneath this pop up tent covered by a yellow blanket. I took photographs of the scene and the decedent. When CSI was ready I examined the decedent. The straps for the backboard were on the ground next to it, they had not been put in place to move the decedent. The decedent was cold to the touch. Post mortem rigor mortis was present in the decedent's outer extremities, arms and legs. Post mortem lividity was present, non blanching, and appropriate for the position of the body. The decedent only had on long underwear. I observed that the decedent's pants were on the ground and it appeared that the decedent's short had been cut away from his and that there were two pieces of the short also on the ground. I observed that the decedent was handcuffed to the rear and the the decedent had shackles on his ankles.

The decedent had evidence of life saving attempts. I observed that the decedent had been intubated. I observed an Intraosseous needle is in position through the left leg below the knee. This line was not attached to a 1-liter bag of normal saline which was found lying near the decedent. Nothing from the bag was missing. I observed that he decedent had two defibrillator pads on his upper right and lower left chest.

I observed a small wound above the decedent's left ear. The wound appeared to be an entry wound and there did not appear to be an exit wound. Initially I was unable to locate a second wound at the scene. However I felt a lump in the spinal area of the decedent. The lump felt as if it moved and could be manipulated. I believed it to be a bullet or a fragment. I did not see another entry point for the second bullet until X-ray's were provided. I observed three taser probes attached to the decedent's chest area. There were also three taser probes found near the decedent but not attached to the skin.

Upon completion of my investigation, I sealed the decedent in a concealment pouch with a lock attached, lock number 7316127.

I then removed the decedent to the Sheriff-Coroner' s Morgue. The decedent was placed on an examination tray with an identification tag. An identification bracelet bearing the decedent' s name, case number and date of death, was placed on top of the concealment pouch.

IDENTIFICATION:

FAMILY NOTIFICATION:

The family was notified of the death when a welfare check was conducted at their residence by law enforcement.

MEDICAL HISTORY:

Medical records from Dominican HOspital were requested and provided to Dr. Fiore for her review.

MEDICATIONS:

Wellbutrin 150mg

Promethazine Codeine Syrup

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Sertraline HCL 50mg

RELEVANT BEHAVIOR FACTORS:

The decedent had a history of recent violence against the police during an arrest and subsequent 5150.

INVESTIGATIVE SUMMARY:

EVIDENCE:

Photographs were taken of the scene and the decedent. They were downloaded into the system. (1608229P\_MJP01)

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 <p><b>SANTA CRUZ COUNTY SHERIFF'S OFFICE</b> 5200 SOQUEL AVE SANTA CRUZ, CA 95062 (831)454-7600</p>	<b>SUPPLEMENT INCIDENT REPORT</b>	
	CASE NUMBER <b>1608229</b>	SUPPLEMENT NUMBER <b>1</b>
	CASE TYPE <b>CORONER</b>	CAD EVENT NUMBER
	REPORTING OFFICER <b>12954/SHF649 - SHLAFFER, TATI</b>	REPORT DATE <b>10/20/2016</b>

**INCIDENT**

LOCATION <b>CA</b>		DATE <b>10/20/2016</b>	TIME <b>16:50</b>
PREMISE NAME			
BEAT	SUB BEAT	SCCACT	JURISDICTION <b>SCSO</b>

**STATUS**

WORK FLOW STATUS <b>APPROVED</b>	APPROVAL <b>11845/SHF649 - ZEPHRO, LAUREN</b>	APPROVAL DATE <b>12/12/2016</b>
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**OTHERS**

ENTRY NO <b>4</b>	INVOLVEMENT <b>C</b>	NAME: LAST, FIRST, MIDDLE [REDACTED]										
HOME ADDRESS					MAILING ADDRESS							
EMPLOYER			EMPLOYER ADDRESS				OCCUPATION					
HOME PHONE			CELL PHONE			OTHER PHONE			EMPLOYER PHONE			
DOB	AGE	SEX	RACE	ETH	HEIGHT	WEIGHT	HAIR	EYES	POB	RESIDENCY	CITIZEN	GANG IDENTIFICATION
DL NUMBER	DL ST	SSN	FBI ID	STATE ID	LOCAL	ID1	ID2					
COMMENT												

**PROPERTY**

ENTRY NO <b>1</b>	INVOLVEMENT <b>P</b>	TYPE <b>OTHER</b>	MAKE	MODEL			
SERIAL NUMBER		QUANTITY	COLOR	COLOR	OAN	REF NO	EVIDENCE <b>N</b>
DESCRIPTION <b>PHOTOS OF SCENE, EVIDENCE (1608226P TVS01-TVS02 AND 1608229P TVS01-TVS02)</b>							CUSTODY STATUS
COMMENT <b>PHOTOS OF SCENE AND EVIDENCE ON CSI MEDIA EVIDENCE DRIVE (1608226P TVS01-TVS02 AND 1608229P TVS01-TVS02)</b>							

**NARRATIVE**

Vri-180

On 10/16/2016, I processed the scene for physical evidence at 300 block of Getchell Street, Santa Cruz. I was assisted by Criminalists K. Crawford and J. Bachman.

Please refer to the Media tab to view my attached Crime Scene Processing Report .

Santa Cruz County Sheriff

Property Report

Case Number: 1608229

Suspect(s):

OTHER - NOT LISTED

Barcode #: 1063821

Item #: 4

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*Curr Loc: RECLOCK*

Ref #:

Rake " Truper" (PM I)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

OTHER - NOT LISTED

Barcode #: 1063825

Item #: 5

*Curr Loc: RECLOCK*

Ref #:

Umbrella " Marimekko"

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: [REDACTED] Chace Street [REDACTED] Chace Street

CLOTHING

Barcode #: 1063827

Item #: 6

*Curr Loc: RECLOCK*

Ref #:

One pair of blue jeans, " U.S. POLO ASSN" . W31. L32 (PM G)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

CLOTHING

Barcode #: 1063829

Item #: 7

*Curr Loc: RECLOCK*

Ref #:

Three pieces of T-shirt, brand "\85TEX" , size G (PM J,H,K)

Recovered By:

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SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

SHELL CASING

Barcode #: 1063832

Item #: 8

*Curr Loc: RECLOCK*

Ref #:

Brand: S&W Caliber: .40 cal

One (1) cartridge case, "40 S&W WIN" (PM 2)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

SHELL CASING

Barcode #: 1063833

Item #: 9

*Curr Loc: RECLOCK*

Ref #:

Brand: S&W Caliber: .40 cal

One (1) cartridge case, "40 S&W WIN" (PM 3)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

OTHER - NOT LISTED

Barcode #: 1063834

Item #: 10

*Curr Loc: RECLOCK*

Ref #:

One (1) probe w/wire from Electronic Control Device (PM 1)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

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OTHER - NOT LISTED

Barcode #: 1063835

Item #: 11

*Curr Loc: RECLOCK*

Ref #:

Two (2) probes and wires from Electronic Control Device (PM 4, 5, E, F)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

OTHER - NOT LISTED

Barcode #: 1063836

Item #: 12

*Curr Loc: RECLOCK*

Ref #:

Four (4) black/silver plastic pieces (ECD cartridge doors; PM A-D)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / 300 block of Getchell St., Santa Cruz

SWAB

Barcode #: 1063837

Item #: 13

*Curr Loc: RECLOCK*

Ref #:

One (1) dry swab of blood (PM A)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: ■■■ Chace Street / Front door, ■■■ Chace Street

SWAB

Barcode #: 1063838

Item #: 14

*Curr Loc: RECLOCK*

Ref #:

One (1) dry swab of blood (PM B)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: [REDACTED] Chace Street / Front door, [REDACTED] Chace Street

SWAB

Barcode #: 1063839

Item #: 15

*Curr Loc: RECLOCK*

Ref #:

One (1) dry swab of blood

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: [REDACTED] Chace Street / Rear door, [REDACTED] Chace Street

SWAB

Barcode #: 1063840

Item #: 16

*Curr Loc: RECLOCK*

Ref #:

One (1) dry swab of blood

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: [REDACTED] Chace Street / Umbrella, [REDACTED] Chace Street

DNA SAMPLE - VICTIM / ELIMINATION

Barcode #: 1063841

Item #: 17

*Curr Loc: RECLOCK*

Ref #:

Two (2) buccal swabs, Robert SHAW

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: [REDACTED] Chace Street / Robert SHAW, [REDACTED] Chace Street

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OTHER - NOT LISTED

Barcode #: 1063842

Item #: 18

*Curr Loc: RECLOCK*

Ref #:

Body bag locker #7316127

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Body bag

CLOTHING

Barcode #: 1063843

Item #: 19

*Curr Loc: RECLOCK*

Ref #:

One (1) pair of grey underpants, "Indera", L38-40

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent

OTHER - NOT LISTED

Barcode #: 1063844

Item #: 20

*Curr Loc: RECLOCK*

Ref #:

Cuffs from ankles

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s ankles

OTHER - NOT LISTED

Barcode #: 1063845

Item #: 21

*Curr Loc: RECLOCK*

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Ref #:

Handcuffs from wrists

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s wrists

OTHER - NOT LISTED

Barcode #: 1063846

Item #: 22

*Curr Loc: RECLOCK*

Ref #:

Six (6) piece of ECD wire

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / On decedent

OTHER - NOT LISTED

Barcode #: 1063847

Item #: 23

*Curr Loc: RECLOCK*

Ref #:

One (1) probe w/wire from Electronic Control Device (PM 6)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent

OTHER - NOT LISTED

Barcode #: 1063848

Item #: 24

*Curr Loc: RECLOCK*

Ref #:

One (1) probe from Electronic Control Device (PM 7)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

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Recovery Address / Location: Morgue / Decedent

OTHER - NOT LISTED

Barcode #: 1063849

Item #: 25

*Curr Loc: RECLOCK*

Ref #:

One (1) probe w/wire from Electronic Control Device (PM 8)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent

OTHER - NOT LISTED

Barcode #: 1063850

Item #: 26

*Curr Loc: RECLOCK*

Ref #:

One (1) spent bullet (PM D)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s back

OTHER - NOT LISTED

Barcode #: 1063851

Item #: 27

*Curr Loc: RECLOCK*

Ref #:

Two bullet jacket pieces & 5 metal pieces (PM A-B)

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s head

FINGERNAIL CLIPPINGS

Barcode #: 1063852

Item #: 28

*Curr Loc: RECLOCK*

INCIDENT REPORT	SANTA CRUZ COUNTY SHERIFF'S OFFICE	CASE NUMBER 1608229
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Ref #:

Right hand fingernail clippings

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s right hand

FINGERNAIL CLIPPINGS

Barcode #: 1063853

Item #: 29

*Curr Loc: RECLOCK*

Ref #:

Left hand fingernail clippings

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s left hand

OTHER - NOT LISTED

Barcode #: 1063854

Item #: 30

*Curr Loc: RECLOCK*

Ref #:

Scalp hair sample

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent' s head

DNA SAMPLE - VICTIM / ELIMINATION

Barcode #: 1063855

Item #: 31

*Curr Loc: RECLOCK*

Ref #:

Blood DNA spot

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

INCIDENT REPORT	SANTA CRUZ COUNTY SHERIFF'S OFFICE	CASE NUMBER 1608229
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Recovery Address / Location: Morgue / Decedent

FINGERPRINTS - KNOWN

Barcode #: 1063856

Item #: 32

*Curr Loc: RECLOCK*

Ref #:

Major case handprints

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/18/2016

Recovery Address / Location: Morgue / Decedent

CURRENCY

Barcode #: 1063857

Item #: 33

*Curr Loc: RECLOCK*

Ref #:

Money Total: 5.00

Five 1-dollar bills

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: 300 block of Getchell St., Santa Cruz / Jeans left front pocket

OTHER - NOT LISTED

Barcode #: 1063858

Item #: 34

*Curr Loc: RECLOCK*

Ref #:

Wallet, cards, cigarette lighter, " Zig-Zag" , condom pack

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: / Jeans left front pocket

OTHER - NOT LISTED

Barcode #: 1063859

INCIDENT REPORT	SANTA CRUZ COUNTY SHERIFF'S OFFICE	CASE NUMBER 1608229
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Item #: 35

*Curr Loc: RECLOCK*

Ref #:

Blue cigarette lighter; cigarette

Recovered By:

SHLAFER, TATIANA  
Recovery Date: 10/16/2016

Recovery Address / Location: / Jeans left rear pocket

Printed: Thursday, October 20, 2016 from EvidenceOnQ\ae

<b>INCIDENT REPORT</b>	<b>SANTA CRUZ COUNTY SHERIFF'S OFFICE</b>	CASE NUMBER <b>1608229</b>
 <p><b>SANTA CRUZ COUNTY SHERIFF'S OFFICE</b> 5200 SOQUEL AVE SANTA CRUZ, CA 95062 (831)454-7600</p>	<b>SUPPLEMENT INCIDENT REPORT</b>	
	CASE NUMBER <b>1608229</b>	SUPPLEMENT NUMBER <b>2</b>
	CASE TYPE <b>CORONER</b>	CAD EVENT NUMBER
	REPORTING OFFICER <b>12936/SHF366 - REILMANN, GE</b>	REPORT DATE <b>10/24/2016</b>

**INCIDENT**

LOCATION <b>CA</b>		DATE <b>10/24/2016</b>	TIME <b>11:07</b>
PREMISE NAME			
BEAT	SUB BEAT	SCCACT	JURISDICTION <b>SCSO</b>

**STATUS**

WORK FLOW STATUS <b>APPROVED</b>	APPROVAL <b>06894/SHF366 - PATRICK, IAN</b>	APPROVAL DATE <b>10/24/2016</b>
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**PROPERTY**

ENTRY NO <b>2</b>	INVOLVEMENT <b>P</b>	TYPE <b>OTHER</b>	MAKE	MODEL
SERIAL NUMBER	QUANTITY <b>7</b>	COLOR	COLOR	OAN
DESCRIPTION <b>DIGITAL X-RAYS</b>	REF NO	EVIDENCE <b>N</b>		
COMMENT <b>1608229P GER1</b>	CUSTODY STATUS			

**NARRATIVE**

Narrative:

On 10/18/2016, I was employed as a Coroner Forensic Technician at the Santa Cruz Sheriff-Coroner's Office.

On 10/16/2016, the remains of Sean Arlt were brought to the Santa Cruz Sheriff-Coroner's Office Morgue for examination.

The autopsy of Sean Arlt took place on 10/18/2016.

The decedent was brought to the facility partially clothed and in a locked blue disaster pouch. During the exam, I removed the decedent's clothing, which was retained by SCSO CSI Shlafer. Please refer Criminalist Shlafer's report and Dr. Fiore's report for further details.

I then measured and weighed the decedent. The decedent's length was approximately 68 inches and the decedent's weight was approximately 137 pounds. I provided these measurements to Dr. Fiore.

Evidence:

Before the autopsy of Sean Arlt, digital x-rays were taken at the county Emeline facility. I later downloaded these x-rays into the CSI drive to be archived for future reference. I labeled the folder with the following label: 1608229P\_GER1.

During the autopsy of Sean Arlt, I obtained a DNA sample from the decedent. I later booked this sample into property.

During the autopsy of Sean Arlt, Dr. Fiore obtained tissue samples from the decedent for possible histological processing. These samples were packaged and stored at the Sheriff-Coroner's Office Morgue.

During the autopsy of Sean Arlt, Dr. Fiore obtained blood, gastric, and urine samples from the decedent. Three blood samples, the gastric sample, and the urine sample were packaged and stored in the morgue freezer.

INCIDENT REPORT	SANTA CRUZ COUNTY SHERIFF'S OFFICE	CASE NUMBER 1608229
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On 10/20/2016, I sent one blood sample to NMS Laboratories for toxicological testing.

On 10/20/2016, the remains of Sean Arlt were released to Pacific Gardens Chapel.

Items Booked:

Santa Cruz County Sheriff  
Property Report

Case Number: 1608229

Suspect(s):

DNA SAMPLE - VICTIM / ELIMINATION

Barcode #: 1063791

Item #: 1

*Curr Loc: 391C*

Ref #:

Blood DNA sample of the decedent on two cotton swabs

Recovered By:

REILMANN,GENEVIEVE  
Recovery Date: 10/18/2016

Recovery Address / Location: / SCSO Morgue

BLOOD

Barcode #: 1063792

Item #: 2

*Curr Loc: Mor*

Ref #:

2 gray tops, lavender top; urine, gastric

Recovered By:

REILMANN,GENEVIEVE  
Recovery Date: 10/18/2016

Recovery Address / Location: / SCSO Morgue

OTHER - NOT LISTED

Barcode #: 1063793

Item #: 3

*Curr Loc: Mor*

Ref #:

Tissue samples of the decedent collected by Dr. Fiore

<b>INCIDENT REPORT</b>	<b>SANTA CRUZ COUNTY SHERIFF'S OFFICE</b>	<small>CASE NUMBER</small> <b>1608229</b>
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Recovered By:

REILMANN,GENEVIEVE  
Recovery Date: 10/18/2016

Recovery Address / Location: / SCSO Morgue

Printed: Monday, October 24, 2016 from EvidenceOnQ\ae

INCIDENT REPORT	SANTA CRUZ COUNTY SHERIFF'S OFFICE	CASE NUMBER 1608229
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**SANTA CRUZ COUNTY SHERIFF'S OFFICE**

5200 SOQUEL AVE  
SANTA CRUZ, CA 95062  
(831)454-7600

SUPPLEMENT INCIDENT REPORT	
CASE NUMBER 1608229	SUPPLEMENT NUMBER 3
CASE TYPE CORONER	CAD EVENT NUMBER
REPORTING OFFICER 12954/SHF649 - SHLAFFER, TATI	REPORT DATE 10/26/2016

**INCIDENT**

LOCATION CA		DATE 10/26/2016	TIME 08:32
PREMISE NAME			
BEAT	SUB BEAT	SCCACT	JURISDICTION SCSO

**STATUS**

WORK FLOW STATUS APPROVED	APPROVAL 11845/SHF649 - ZEPHRO, LAUREN	APPROVAL DATE 10/26/2016
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**PROPERTY**

ENTRY NO 3	INVOLVEMENT P	TYPE OTHER	MAKE	MODEL		
SERIAL NUMBER	QUANTITY	COLOR	COLOR	OAN	REF NO	EVIDENCE N
DESCRIPTION AUTOPSY PHOTOGRAPHS OF ARLT, SEAN (1608229P TVS01)					CUSTODY STATUS	
COMMENT AUTOPSY PHOTOGRAPHS OF ARLT, SEAN (D.O.B.: 06/25/1984) ON CSI MEDIA EVIDENCE DRIVE (1608229P TVS01).						

**NARRATIVE**

On 10/18/2016, I documented and collected evidence from autopsy of ARLT, Sean (D.O.B.: 06/25/1984).

Please refer to the Media tab to view my attached report.

INCIDENT REPORT	SANTA CRUZ COUNTY SHERIFF'S OFFICE	CASE NUMBER 1608229
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**SANTA CRUZ COUNTY  
SHERIFF'S OFFICE**

5200 SOQUEL AVE  
SANTA CRUZ, CA 95062  
(831)454-7600

**SUPPLEMENT INCIDENT REPORT**

CASE NUMBER 1608229	SUPPLEMENT NUMBER 4
CASE TYPE CORONER	CAD EVENT NUMBER
REPORTING OFFICER 06894/SHF114 - PATRICK, IAN	REPORT DATE 01/12/2017

**INCIDENT**

LOCATION LAT: 1297137.6 LON: -696673, , CA	DATE 01/12/2017	TIME 17:15
PREMISE NAME		
BEAT	SUB BEAT	SCCACT
JURISDICTION SCSO		

**STATUS**

WORK FLOW STATUS COMPLETE	APPROVAL 03167/SHF114 - LIBERTY, TODD M	APPROVAL DATE 01/13/2017
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**OFFENSES**

ENTRY NO 2	VIOLATION/STATUTE CORONER-H	OFFENSE DESCRIPTION CORONER - HOMICIDE
ATTEMPTED N	LEVEL	DEGREE
COUNTS	NCIC CODE	BCS CODE
DISPOSITION	DISPOSITION DATE	
AGENCY CLASSIFICATION CORONER-H		LOCATION OF OFFENSE
GOC	MODIFIER 1	MODIFIER 2
COURT	COURT DATE	JUDGE
COMMENT		

**OTHERS**

ENTRY NO 1	INVOLVEMENT D	NAME: LAST, FIRST, MIDDLE ARLT, SEAN
HOME ADDRESS [REDACTED] PLATEAU SANTA CRUZ CA		MAILING ADDRESS
EMPLOYER	EMPLOYER ADDRESS	OCCUPATION
HOME PHONE	CELL PHONE	OTHER PHONE
EMPLOYER PHONE		
DOB 06/25/1984	AGE 32	SEX M
RACE W	ETH N	HEIGHT
WEIGHT	HAIR	EYES
POB	RESIDENCY	CITIZEN
GANG IDENTIFICATION		
DL NUMBER	DL ST	SSN
FBI ID	STATE ID	LOCAL
ID1	ID2	
COMMENT		

**NARRATIVE**

DETECTIVE CORONER REPORT

DECEDENT NAME: ARLT, Sean

DECEDENT AGE: 6/25/1984 - 32 Years Old

DATE OF DEATH: 10/16/2016

TIME OF DEATH: 0400 hours

LOCATION OF DEATH: On Getchell St./In front of [REDACTED] Getchell St.

IDENTIFIED BY: Santa Cruz Police Department/Previous History

NEXT OF KIN: [REDACTED] Arlt

NOTIFIED BY: Santa Cruz Police Department

MANNER OF DEATH: Homicide

DATE/TIME INJURY OCCURRED: 10/16/2016 @ 0342 hours

LOCATION OF INJURY: 300 Block of Getchell St., Santa Cruz

CAUSE OF DEATH: Gunshot wounds of head and chest

PATHOLOGIST: Dr. Stephany Fiore

INDIGENT NUMBER: N/A

**NARRATIVE:**

On Sunday, October 16, 2015, Detective Michael Pruger investigated the death of decedent Sean Arlt in the city of Santa Cruz. Detective Pruger retired from the Sheriff's Office prior to the completion of this investigation. The purpose of this report is to document the findings of the investigation subsequent to Detective Pruger's retirement. Refer to Detective Pruger's primary report for details of his investigation.

**MEDICAL HISTORY:**

Medical records were requested and obtained from Dominican Hospital/Dignity Health, Telecare Crisis Stabilization Program, Telecare Psychiatric Health Facility, and the offices of Doctor Paul [REDACTED]. These medical records were provided to Forensic Pathologist Dr. Fiore for her review.

**INVESTIGATIVE SUMMARY:**

On 10-18-16, Forensic Pathologist Dr. Stephany Fiore performed an autopsy examination on the body of Sean Arlt. A sample of Arlt's femoral blood was submitted to NMS Labs for toxicological analysis.

Based on information obtained during this investigation, to include the findings of the autopsy and toxicological analysis, Dr. Fiore determined Arlt's cause of death to be gunshot wounds of head and chest.

For further details, refer to Dr. S. Fiore's pathology report and the NMS toxicology report which were provided to Sheriff's Office Records for attachment to this case.

**CONCLUSION:**

Based on this investigation and the information obtained during the autopsy and toxicological examinations, it is the opinion of this office that Sean Arlt came to his death as a result of gunshot wounds of the head and chest. The death of Sean Arlt shall be classified as a HOMICIDE.

Santa Cruz County Sheriff's Office

16-08229 (Coroner)

Forensic Services

16-08226 (Scene)

Criminalist: Tatiana Shlafer

**CASE:** 16-08229 (Coroner)

**AGENCY:** Santa Cruz Sheriff's Office

**CRIME:** OIS

**CASE:** 16-08226 (Scene)

**AGENCY:** Santa Cruz Sheriff's Office

**RELATED CASE:** 16S-08694

**AGENCY:** Santa Cruz Police Department

**REQUESTED BY:** Dr. S. Fiore

**CRIMINALIST:** Tatiana Shlafer

**WORK REQUESTED:** Document and collect evidence from autopsy

**DECEDENT:** ARLT, Sean (DOB: 06/25/1984)

## AUTOPSY EVIDENCE REPORT

### REQUEST AND SUMMARY

On 10/18/2016, I assisted with the autopsy of Sean ARLT (DOB: 06/25/1984). The autopsy was performed by Santa Cruz Sheriff's Office Forensic Pathologist Dr. S. Fiore who was assisted by Coroner Forensic Technician G. Reilmann. I was assisted by Forensic Services Supervisor Dr. L. Zephro in photographing and collecting evidence items.

### EVIDENCE DOCUMENTATION AND COLLECTION

On 10/18/2016, at approximately 0900 hours, Forensic Services Supervisor Dr. L. Zephro and I arrived at the Santa Cruz County Morgue to assist with the autopsy of Sean ARLT (DOB: 06/25/1984).

The autopsy was started at approximately 0910 hours and finished at approximately 1630 hours.

I took photographs of the body bag sealed with tag #7316127 and the decedent (clothed, unclothed and cleaned). The decedent's hands were handcuffed together. The decedent's ankles were also cuffed together.

I photographed the following items removed from the decedent during the autopsy:

- The handcuffs from the hands
- The cuffs (shackles) from the ankles
- Three barbed probes (Photo Markers #6-8 in scene photographs)
- Six pieces of loose wire from the Electronic Control Device (collected from the left chest, right hand, handcuffs chain, and left handcuff)

I also took overall and close-up photographs of the three pieces of the T-shirt that were previously collected on the scene on 10/16/2016.

CRIMINALIST INITIALS

TS

## Forensic Services

Criminalist: Tatiana Shlafer

At the direction of Dr. S. Fiore, I took close-up photographs of the decedent and his injuries without and with a scale.

With the assistance of Forensic Services Supervisor Dr. L. Zephro, I collected clothing and other evidence items from the decedent.

Using black powder and sticky lifts, I collected handprints from the decedent.

At approximately 1630 hours, I transported all items of evidence to the Forensic Laboratory. I secured all evidence items in the Forensics Intake Room drying locker and evidence locker.

On 10/19/2016, at approximately 0820 hours, I received one (1) blood spot card for Sean ARL from G. Reilmann.

**DISPOSITION OF EVIDENCE**

The following item of evidence was booked into the Property and Evidence Section, as follows:

FileOnQ Item #	Item Description	Location	Notes
18	Body bag locker #7316127	Body bag	
19	One (1) pair of grey underpants, "Indera", L38-40	Decedent	Wet, with blood stains on left upper and bottom side. Warned out area with hole on the right middle side
20	Cuffs (shackles)	Decedent's ankles	
21	Handcuffs	Decedent's wrists	Covered in blood
22	Six (6) pieces of Electronic Control Device wire	Near decedent's left chest, right hand and handcuffs	Covered in blood
23	One (1) probe with wire from Electronic Control Device	Decedent's left chest area	Photo Marker 6
24	One (1) probe from Electronic Control Device	Decedent's left abdomen area	Photo Marker 7
25	One (1) probe with wire from Electronic Control Device	Decedent's right shoulder area	Photo Marker 8
26	One (1) spent bullet	Decedent's back	Photo Marker D
27	Two bullet jacket pieces & 5 metal pieces	Decedent's head	Photo Marker A-B
28	Fingernail clippings	Decedent's right hand	
29	Fingernail clippings	Decedent's left hand	
30	Scalp hair sample	Decedent's head	
31	Blood DNA spot	Decedent	
32	Major case handprints	Decedent's hands	

Santa Cruz County Sheriff's Office

16-08229

Forensic Services

16-08226

Criminalist: Tatiana Shlafer

I turned all items collected at the autopsy into the Property and Evidence Section.

Documentation photographs were uploaded to the CSI Media Evidence Drive with the folder name 1608229P\_TVSO1.

**REPORT DISTRIBUTION**

Sheriff's Office Investigations and Records

Santa Cruz Police Department

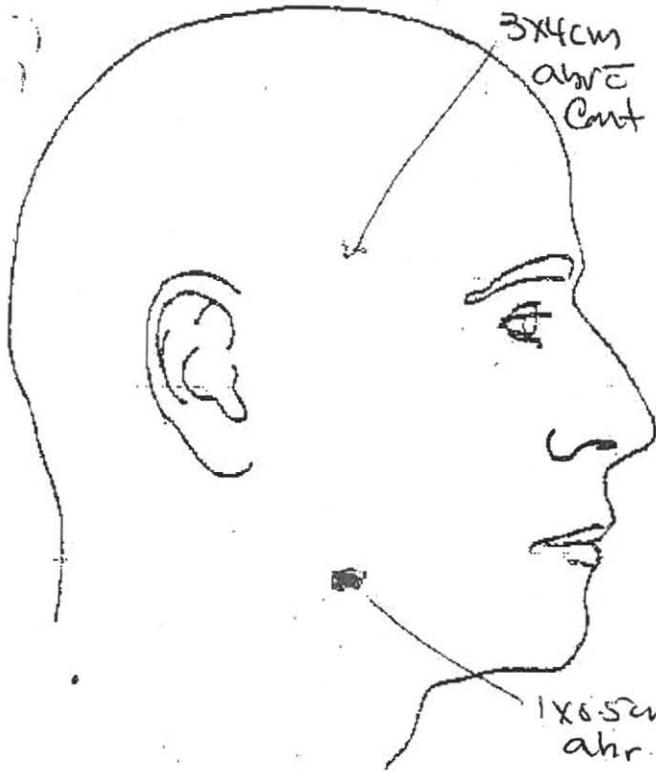
Santa Cruz County District Attorney's Office

Report completed by: Tatiana Shlafer Date: 10-29-2016

Technical review by: [Signature] Date: 10-25-16

Administrative review by: [Signature] Date: 10-25-16

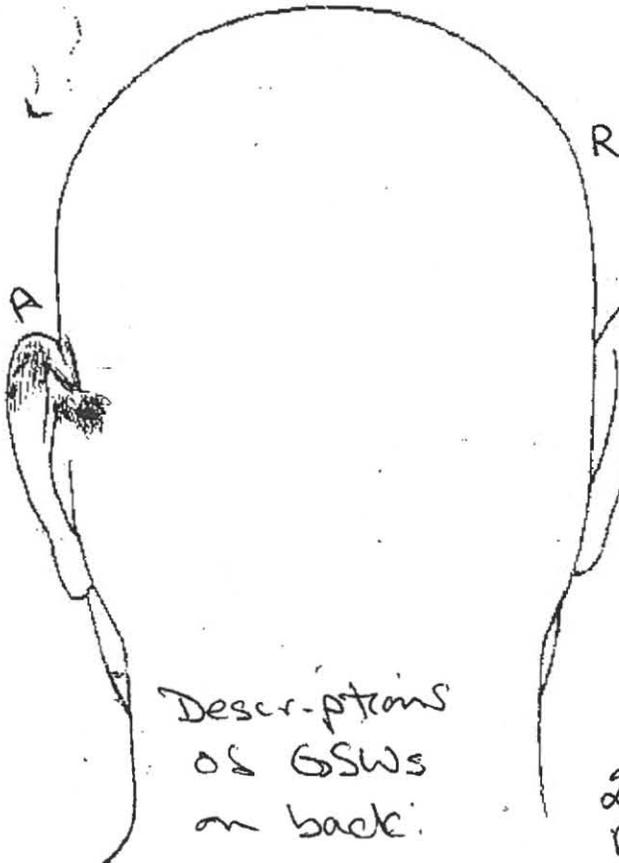
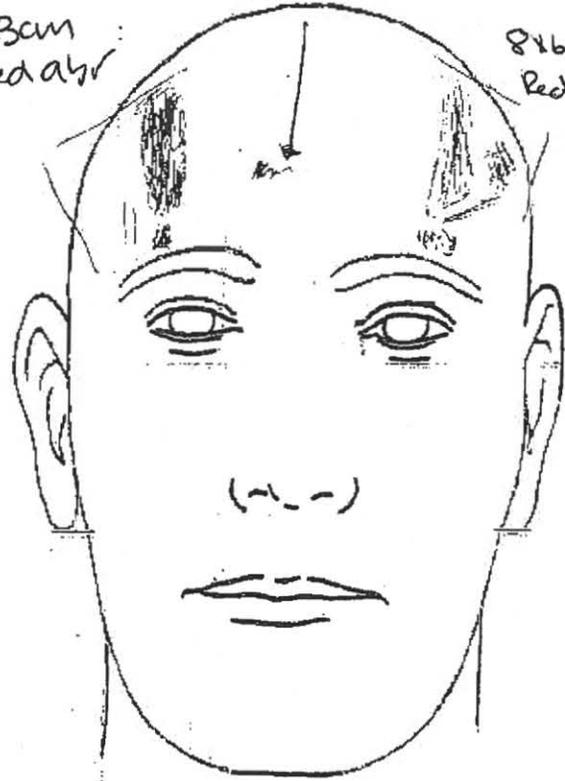
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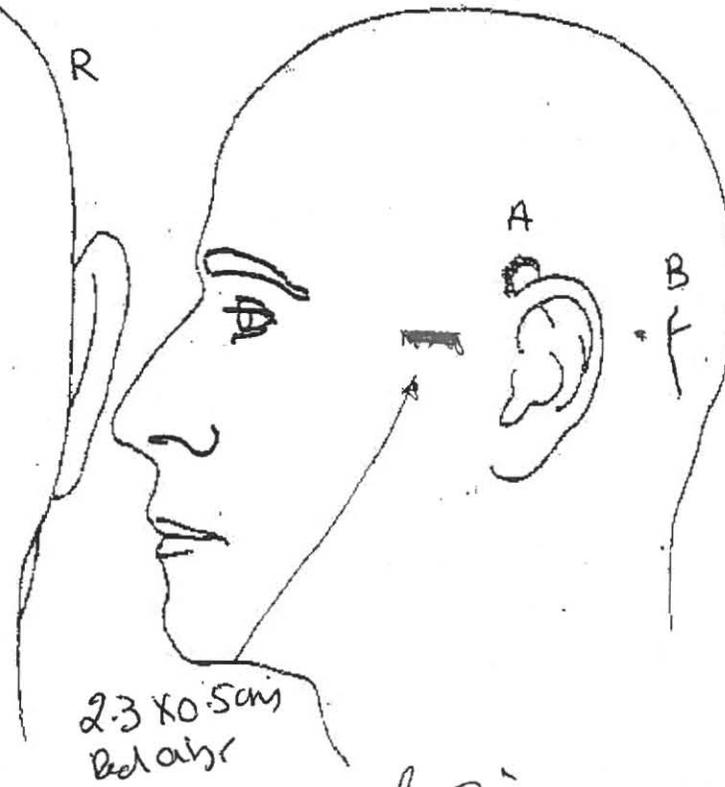
6x3cm  
Red abrc

0.6 x 0.2cm abrc ✓

8x6cm  
Red abrc



Descriptions  
of GSWs  
on back:



2.3 x 0.5cm  
Red abrc

Forensic Pathologist:

*L. Fiere*

M.D.

1a of 4

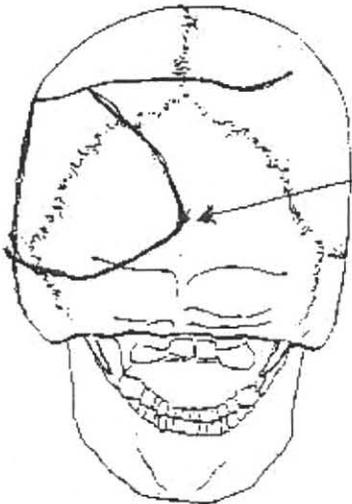
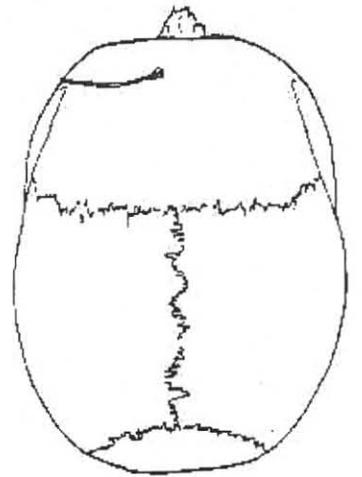
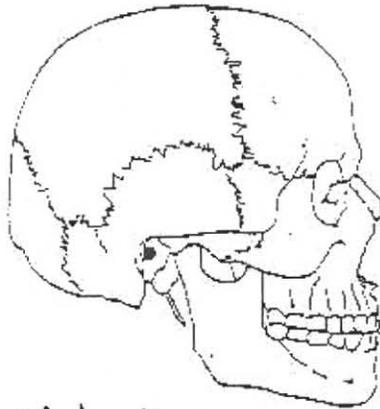
Art, Sean  
10-18-16

SEF

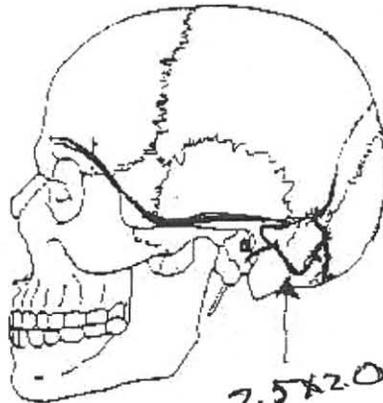
16-08229

Homicide

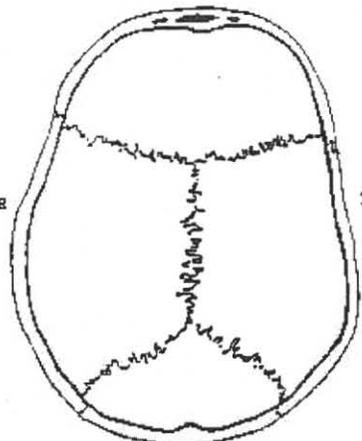
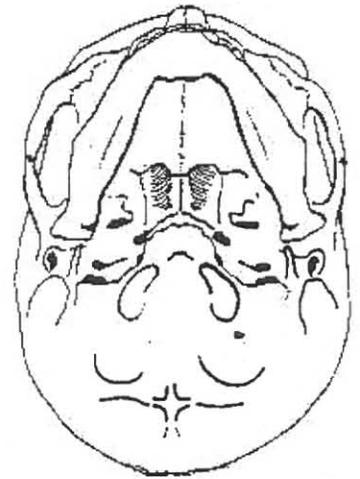
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Case Number: \_\_\_\_\_



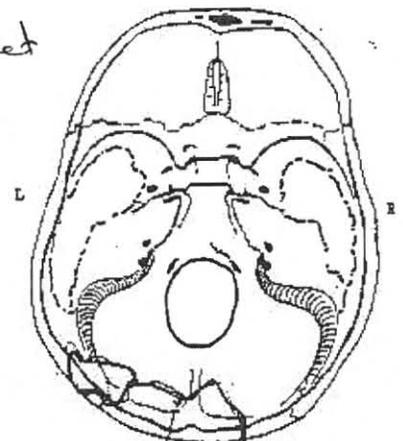
Lodged bullet  
Segments  
3" TO H, 3 1/4" LM



2.5 x 2.0 cm  
entrance defect  
-atypical



Inferior View of Skull



2 of 4

Forensic Pathologist: \_\_\_\_\_, M.D.

*S. J. Jire*

, M.D.



Art, Sean

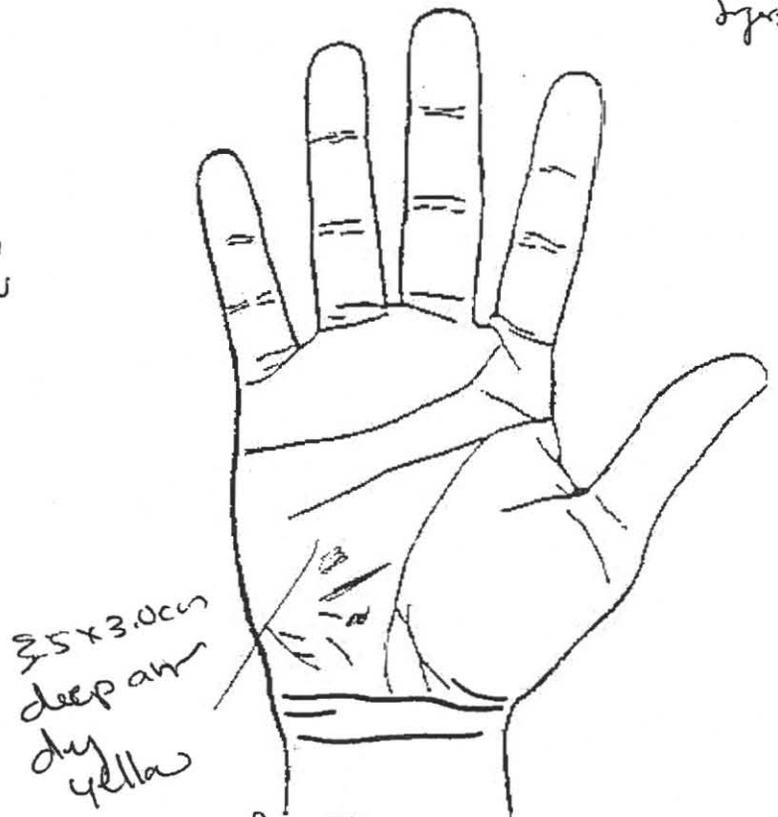
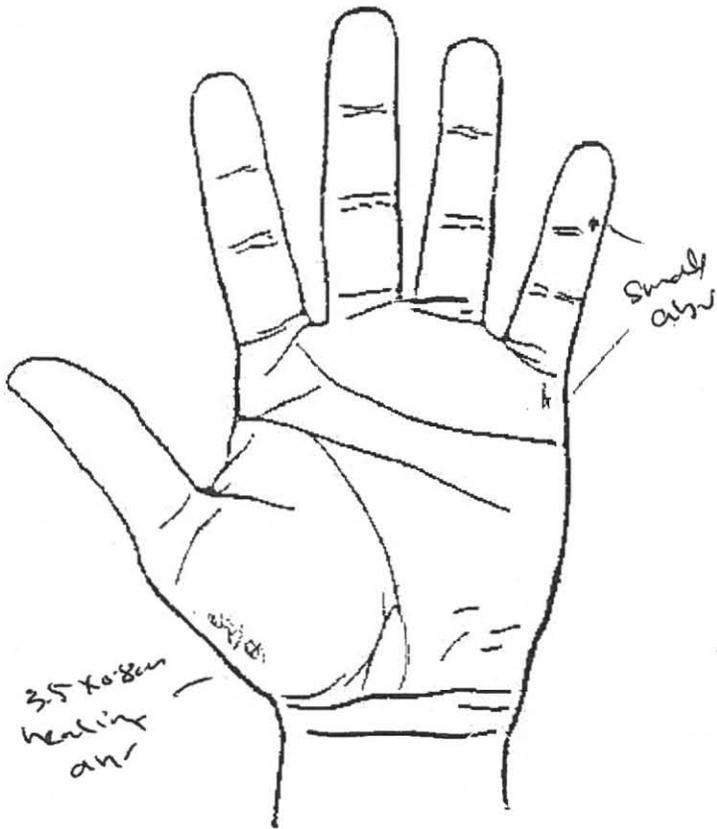
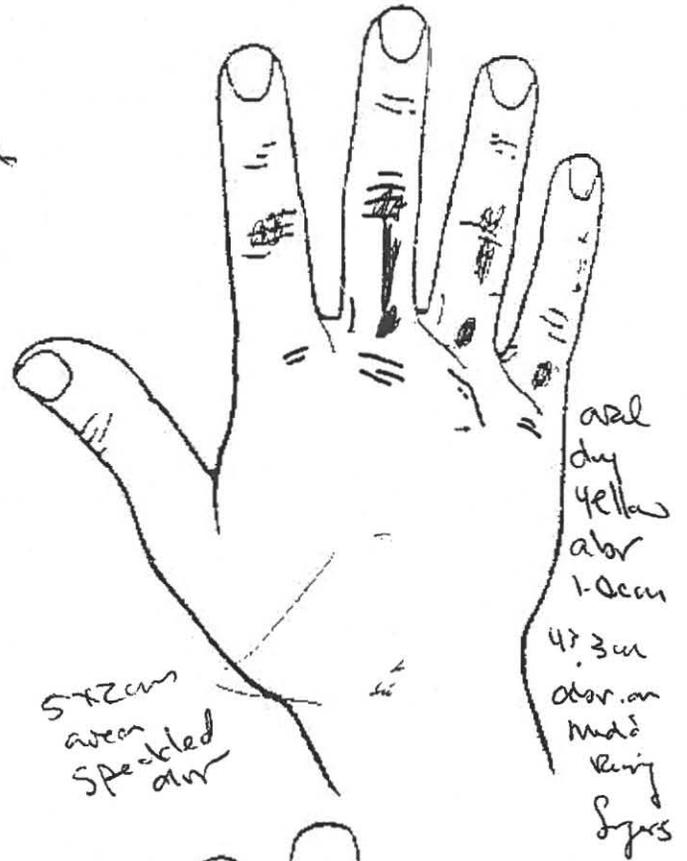
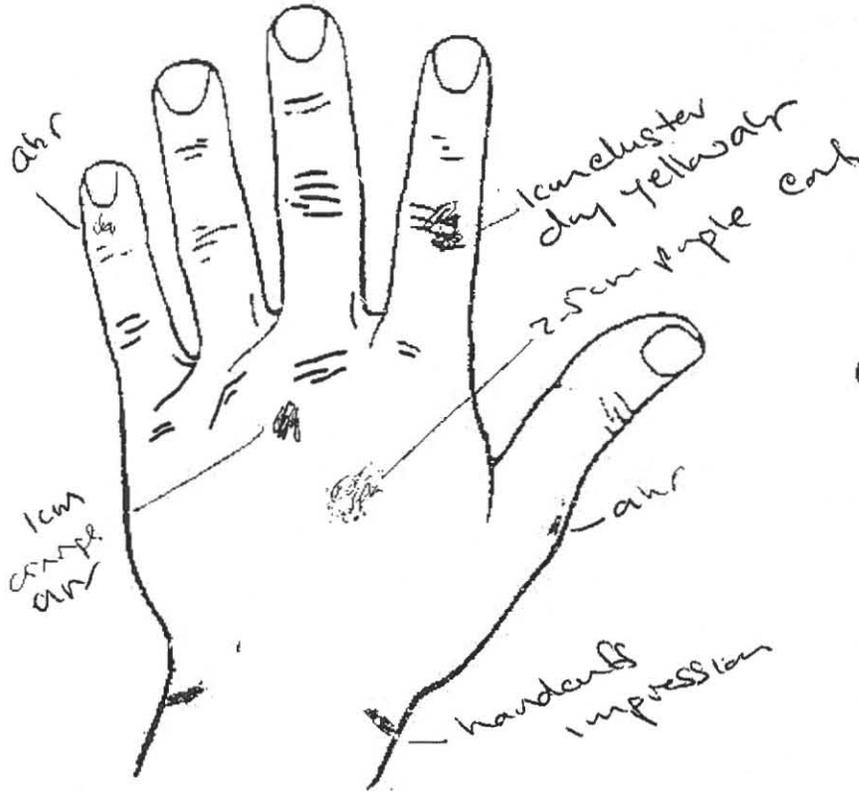
16-08229

Name. 10-18-16

SEF

Homicide

Case Number: \_\_\_\_\_



4024

Forensic Pathologist: \_\_\_\_\_

*S. Kari*

M.D.



# County of Santa Cruz

**Sheriff-Coroner**  
701 Ocean Street, Room 340  
Santa Cruz, CA 95060

**Jim Hart**  
**Sheriff-Coroner**

---

<input checked="" type="checkbox"/> <b>Autopsy</b>	<input type="checkbox"/> <b>External Examination</b>
<b>NAME:</b> ARLT, SEAN S.	<b>CASE NO.</b> 16-08229
<b>POSTMORTEM DATE:</b> 10/18/16	<b>TIME:</b> 09:10
<b>INVESTIGATOR:</b> Michael Pruger	
<b>DATE OF DEATH:</b> 10/16/16	<b>TIME OF DEATH:</b> 04:00
<b>AGE:</b> 32 years <b>SEX:</b> Male <b>Ht:</b> 68 inches	<b>Wt:</b> 137 pounds
<b>RACE/ ETHNICITY:</b> Caucasian	

---

## **AUTOPSY FINDINGS:**

1. Atypical gunshot wound of head.
  - a. Entrance wound above left ear (A)
  - b. Atypical entrance defect in left temporal bone
  - c. Laceration along inferolateral left temporo-occipital lobes
  - d. Fragmented bullet and jacketing recovered from cranial vault
  - e. Exit wound on left post-auricular scalp (B)
  - f. Two directions: left to right, front to back, slightly upward (bullet fragments); front to back and slightly downward (exit wound)
  
2. Penetrating gunshot wound of torso.
  - a. Entrance wound at left posterior axillary region of back (C)
  - b. Large area of extrathoracic hemorrhage and subcutaneous emphysema, left lateral thorax
  - c. Entered left thorax between lateral left fourth and fifth ribs
  - d. Perforation of left lung with hemothorax (1400ml)
  - e. Exited left thorax between posterior left eighth and ninth ribs
  - f. Projectile lodged beneath skin on mid thoracic back (D)
  - g. Fully expanded medium to large caliber projectile with copper jacketing recovered
  - h. Direction: left to right, downward, and slightly front to back
  
3. Evidence of electronic control device deployment
  - a. Barbed probes embedded into skin over lower left anterior chest (#6), lower left lateral chest (#7), and superior right shoulder (#8)
  
4. Wrists and ankles shackled with handcuffs
  
5. Multiple blunt force cutaneous injuries in varying states of healing
  
6. Low levels of ethanol (0.047g/100ml), cannabinoids (delta-9 THC 7.5ng/ml, delta-9 carboxy THC 27ng/ml), and 11-hydroxy delta-9 THC 2.0ng/ml), and bupropion (13ng/ml) detected (see separate Toxicology report)



## County of Santa Cruz

### Sheriff-Coroner

701 Ocean Street, Room 340  
Santa Cruz, CA 95060

**Jim Hart**  
Sheriff-Coroner

ARLT, SEAN S.

16-08229

Page 2

7. Clinical history of bipolar disorder with manic episodes associated with mixed and psychotic features, noncompliant with therapy.
- Complaints of mania, paranoia, and insomnia admitted to BHC under 5150 hold on 7/15/15; released from 5150 hold after 27 hours. (see DHSC and Telecare medical records)
  - Outpatient psychiatric care under Paul [REDACTED] MD on 6/29 to 10/13/16; No Showed to appointments on 8/17 and 10/6/16; patient terminated relationship on 10/13/16 (see Dr. [REDACTED] records)
  - Brought to DHSC ER on 10/11/16 after altercation with police following agitated combated behavior with threats to harm self or police; admitted to BHC under 5150 hold and released after 500 minutes (see DHSC and Telecare medical records)

**CAUSE OF DEATH:** Gunshot wounds of head and chest

**MANNER OF DEATH:** Homicide

**OPINION:** The gunshot wound to the head is atypical. The bullet appears to have impacted the skull tangentially causing it to fragment. Several fragments were recovered from inside the cranial vault but it is unclear if these fragments constitute the entire projectile. An exit wound is also present. This latter wound may represent the path of the remaining projectile fragments as well as bone fragments from the atypical skull defect.

Based on my review of the decedent's psychiatric records, Mr. Arlt appears to have suffered from a volatile mental illness that was not being appropriately managed due to his refusal to participate in treatment.

Stephany Fiore, M.D.  
Forensic Pathologist  
January 12, 2017

SEF/DP  
D: 10/18/16  
T: 10/19/16

**AUTOPSY ASSISTANTS:**

Genevieve Reilmann, autopsy technician.  
Tatiana Schlafer, criminalist II.  
Dr. Lauren Zephro, forensic science supervisor.

**WITNESSES:**

Detective Brian Warren (badge# 154), Santa Cruz Police Department.

**IDENTIFICATION:**

The decedent is received in a blue body bag sealed with lock number 7316127, which is removed at the time of the autopsy. The decedent's listed name and case number are inscribed on the surface of the bag. In addition, a Santa Cruz County Sheriff-Coroner identification bracelet is taped to the surface of the bag, bearing the same case information. The tag will later be moved to the decedent's left ankle. There are no distinctive scars, tattoos, or other identifying marks.

**EVIDENCE OF MEDICAL INTERVENTION:**

An oropharyngeal airway has been inserted into the oral cavity. A defibrillator pad covers the anterior right shoulder and another is attached to the left lateral chest wall. An intraosseous trocar has been inserted into the anteromedial aspect of the proximal left tibia. A nearly full bag of 0.9% sodium chloride is found within the body bag, between the legs, with the tubing disconnected from the trocar.

**CLOTHING:**

The decedent is partially clothed in a pair of gray thermal pants that have been cut off from the left leg and pelvis, but still attached to the right leg. The pants are soaking wet from water. In addition, there is blood coating the left leg of the pants, with very little blood spoiling the right leg. The left leg was found beneath the torso, under the buttocks. The decedent is received with his hands shackled with white metal handcuffs. The left arm is positioned behind the lumbar region of the back with the dorsal surface of the arm touching the back. The right arm is slightly flexed at the elbow with the hand resting on the anterior pelvis. White metal handcuffs also shackle the ankles. No jewelry is seen on the body.

Pieces of clothing that were apparently removed from the decedent and found at the scene are provided by the crime scene investigators for examination. One of these pieces is marked with the letter "K", and consists of a triangular fragment from what appears to have been a white or light tan colored T-shirt with a large colorful design of what appears to be a couple of surfers. The word "pepper" is printed along the lower midportion of this design. The fabric is lightly stained with reddish brown fluids. Two small defects are seen in this piece of fabric. One of them has a 0.7 x 0.7cm V-shape with a small tag of fabric attached in the superomedial corner. This defect is found within a bluish green horizontal area of striping towards the bottom of the design. The other defect is found toward the midportion of this fabric, along the head of one of the surfers, and measures 0.4cm. There is no gunshot residue, significant fluid staining, or other discolorations in the fabric surrounding either of these defects. The piece of fabric contains a portion of a sleeve. There are no tags indicating whether this is the front or the back of the shirt. The sleeve seam is found in the upper right hand corner of this piece of fabric.

The second piece labeled "H" is another portion of this light tan T-shirt. This piece of the garment has a small black tag attached near the collar line allowing for proper orientation. This piece contains the right half of the front panel, right sleeve, and right posterior collar portion of the T-shirt. The remainder of the print seen in "K" is found on the front panel. Item "H" is also stained with a reddish brown fluid. There is a 1.8cm curvilinear tear in the fabric near the right shoulder region on this piece of fabric. Again, no gunshot residue, significant fluid staining, or other discolorations are found on the fabric surrounding this defect.

The third piece of clothing, marked with the letter "J", consists of most of the back panel of this tan shirt and the left sleeve. There are no imprints on the back of the T-shirt. The collar is present and includes another portion of the black tag. The fabric is stained with reddish brown fluid around the left sleeve, particularly along the axillary region and down the lower portion of the back. There is a 0.5 x 1.0cm oval defect in the left sleeve of the shirt along the back panel. No soot or stippling is appreciated on the fabric surrounding this defect.

### EXTERNAL EXAMINATION

The unclad, unembalmed body is that of a well-developed, thin, 68-inch, 137-pound, lightly pigmented, Caucasian male, whose appearance is consistent with the reported age of 32 years. The decedent is in full rigor mortis. Non-blanching lividity is posterior on the cold body. Light green discoloration is beginning to develop in the right lower quadrant of the abdomen. There are no other postmortem changes. Trauma to the head, torso, and extremities will be described under "Injuries".

The scalp has straight blonde hair that measures approximately 5 inches in length and is stained red from blood. There is marked bitemporal recession of the anterior hairline. The eyes have clear corneae and grayish hazel irides. The conjunctivae are pale and without petechiae, icterus, or edema. The nose is normally formed. The external nares are widely patent and without hemorrhage or discharge. Facial hair consists of a mustache and beard of brown hairs measuring 1/4 and 1/2 inch in length, respectively. The lips and oral mucosa are pink, moist, and without trauma. The natural dentition is in fair repair. The anterior oral cavity is free of foreign material. No blood or fluids exit the oral cavity. The earlobes are unpierced. There is no hemorrhage or discharge in the external auditory canals.

The neck is stable and symmetric with no external trauma. The trachea is straight and in the midline. There is no palpable crepitus or masses.

The torso has a symmetric, stable chest and slightly scaphoid firm abdomen. No palpable abdominal masses or fluid waves are detected. There is very little hair on the anterior surfaces of the torso and consists predominantly of a linear pattern between the umbilicus and the pubic area. The breasts are of a normally developed adult without gynecomastia or masses. No cervical, axillary, or inguinal lymphadenopathy is detected. The external genitalia are of a normally developed circumcised adult with bilaterally descended testes and a normal distribution of pubic hair. No anal or genital trauma is present. The back is unremarkable outside of injuries.

The upper and lower extremities are symmetrical and without deformity. There are no remote needle track marks or ventral wrist scars. The fingernails are neatly trimmed to extend just beyond the tips. The lower extremities are without pedal edema. The toenails are trimmed flush with the tips. The soles of the feet are unremarkable.

### EXTERNAL AND INTERNAL EVIDENCE OF INJURY:

There are two gunshot wounds. Numbering is arbitrary and used for reference purposes only. It is not meant to imply the sequence in which the injuries were sustained. All measurements are taken with the body in the standard anatomic position.

#### 1. ATYPICAL GUNSHOT WOUND OF HEAD:

**Entrance Wound (A):** The entrance wound is located adjacent to the superior attachment of the left ear and consists of a 1.5 x 1cm oval defect that is slightly oblique in its orientation from

superior anterior to inferior posterior. There is a 0.5cm-thick by 1cm-long, somewhat rectangular abrasion along the superior anterior margin and a 0.3cm-thick abrasion along the superior border of the pinna. A 2.5 x 1.0cm rectangular abrasion extends across the posterior surface of the pinna. Small radiating tears extend out from the posterior margin of the oval defect. There is a 1.5 x 0.8cm abrasion perpendicular to the posterior edge of this wound. The entrance wound is centered 4 inches from the top of the head, 1 inch superior to the external auditory canal, and 1 inch posterior to the external auditory canal. There is no soot or stippling deposited on the skin surrounding this defect.

**Wound Track:** The projectile impacts the skull, creating a 2.5 x 2.0cm irregular defect in the temporal bone that exhibits predominantly internal beveling; however, there are a few fragments along the posterior edge that exhibit external beveling. Four linear fractures radiate from the defect. One fracture radiates anteriorly from the superoanterior portion of the defect and up onto the frontal bone. Another fracture extends up over the posterior portion of the parietal bone and crosses over to the right side. The other two fractures extend down towards the skull base, one anterior and the other posterior to the mastoid process. There is marked subcutaneous and subgaleal hemorrhage associated with these fractures.

The inferolateral aspect of the left temporal and occipital lobes has an 8 x 4cm area of hemorrhagic disruption with multiple fragments of bone and small pieces of projectile embedded along the wound track. The superior surface of the left cerebellar hemisphere has a 4cm linear laceration, containing a small fragment of copper jacketing. A piece of copper jacketing and an irregular piece of gray metal are both found in the left posterior cranial fossa with a gray fragment embedded within a displaced linear fracture in the occipital bone. The projectile fragments collected do not appear to form a complete bullet. The fragments lodged in the occipital bone are centered 3 inches from the top of the head and 3/4 inch to the left of midline.

**Exit Wound (B):** Located in the left postauricular region of the scalp is a 2.5cm vertically oriented laceration with a 1cm horizontal component extending off the posterior edge 0.6cm below the upper end of the vertical laceration. In addition, there is a 0.3cm laceration located 1cm anterior to the mid anterior edge of the vertical laceration. This wound is centered 2½ inches posterior to the external auditory canal and in the same vertical plane as the external auditory canal.

**Direction of Wound Path:** Portions of the projectile appear to travel in a front to back and slightly downward direction exiting out wound "B" while other fragments entered the cranial vault, passing in a left to right, front to back and slightly upward direction.

**Projectile:** Two fragments of copper jacketing and five fragments of gray metal were recovered inside the cranial vault.

## **2. PENETRATING GUNSHOT WOUND OF CHEST:**

**Entrance Wound (C):** The entrance wound is located along the posterior aspect of the left axilla, and consists of a 0.8cm round defect with a thin pink abrasion collar that is slightly broader along the superolateral margins. No soot or stippling is deposited on the surrounding skin or appreciated on the fabric of the overlying T-shirt. The wound is located 14 inches from the top of the head, 8 inches to the left of the posterior midline, and 3 inches anterior to the posterior plane of the torso.

**Wound Track:** The projectile enters the left thorax between the lateral aspects of the fourth and fifth ribs. There is a large area of extrathoracic hemorrhage and palpable subcutaneous air along the left side of the back between the entrance wound and scapular region of the back. The projectile perforates the left lung before exiting the thorax between the posterior aspects of the

eighth and ninth ribs. There is an 8cm hemorrhagic track that passes through both the upper and lower lobes of the left lung, with 3 x 2cm oval pleural defects in both the anterolateral surface of the upper lobe and the posteromedial surface of the apical portion of the lower lobe. Pleural tears and subpleural hemorrhage are seen within the oblique fissure. No injuries to major vascular structures were identified. Approximately 1400mL of liquid blood is found within the left pleural cavity. The opposing surfaces of the left eighth and ninth ribs have fracture notches related to the exit track.

**Site of Lodgment:** The projectile is found lodged beneath the skin in the mid thoracic portion of the back just to the right of midline, manifesting as a 1.5cm bulge surrounded by a 4 x 3cm area of light pink contusion. The lodged projectile is centered 17 inches from the top of the head and 1 inch to the right of the posterior midline.

**Direction of Wound Path:** The projectile travels from left to right, downward, and slightly front to back.

**Projectile:** A fully expanded medium to large caliber projectile with a copper jacket is recovered. The base of the projectile measures 1cm in diameter.

#### **EVIDENCE OF ELECTRONIC CONTROL DEVICE DEPLOYMENT:**

Three white metal barbed probes attached to copper wiring are embedded to the torso and have been previously marked with evidence stickers. One of these barbs, marked as number "8", is embedded into the superior aspect of the right shoulder. A second barb, marked with the number "6", is embedded into the lower left anterior chest near the lower border of the ribcage and slightly medial to the plane of the nipple. The third barb, marked with the number "7", is embedded into the left lateral chest wall, also near the lower border of the ribcage. A tangle of copper wiring is also present. The wire attached to number 6 has been cut short and measures approximately 22cm in length. The copper wiring attached to number 8 in the right shoulder crosses the anterior shoulder and passes deep into the axillary region and then appears to cross the posterior aspect of the torso from right to left. Probe number 7 does not have a wire attached to it. The individual probes are composed of white metal and each has a cylindrical mount measuring 0.9cm in length and 0.5cm in diameter. The barb on probe number 6 is bent at a 90° angle but is straight on numbers 7 and 8.

In an effort to identify the individual wires present within the bag, they were unraveled, revealing one loose wire that is completely unattached to any of the barbs and not entangled in the body. There is a second wire where the terminus was found underlying the defibrillator pad on the left lateral chest wall. This wire becomes entrapped between the left arm and the back. There is a third wire that comes across the anterior surface of the left arm as well, and two additional wires seen passing from behind the left arm. Two wires are also exiting from the lower back region off to the left side of the body bag. Another wire crosses the thoracic portion of the back and may be the wire attached to probe number 8. One of these wires appears to be encircling the torso as we see it crossing the anterior portion and the dorsal surface of the right hand and then dipping around again towards the back. A wire is entangled in the right hand as well.

The body is lifted up onto the right side clarifying additional loose wires. The wire attached to probe number 8 is entrapped between the right arm and the torso. There are two wires entrapped in the handcuff attached to the left wrist behind his back. A short segment of copper wiring was found entrapped in the left cuff of the handcuffs, while a larger segment of wire was wrapped around the chain portion of the handcuffs. One of the ends of this longer wire was found tacked to the left side of the torso by the evidence sticker "7", but not directly attached to the probe. The right hand is gripping a wire that is not attached to any of the probes. A total of six loose wires were recovered.

After the barbed probes were removed from the body, the following marks were left on the skin: Probe number 6 left a 0.1cm puncture wound with a 0.6cm-long by 0.3cm-thick rectangular abrasion circumscribing the lateral border of the puncture wound on the lower left anterior chest wall. Probe number 7 left a 0.1cm puncture wound surrounded by a 0.7cm area of pink contusion on the lower left lateral chest wall. Probe number 8 left a 0.1cm puncture wound with a 0.5 x 0.2cm arc-shaped red abrasion circumscribing the anterior and medial borders of the puncture wound on the superior aspect of the right shoulder.

#### **BLUNT FORCE INJURIES:**

**Head:** The forehead has two clusters of sagittally oriented abrasions extending up from the lateral half of the eyebrows to the receding frontal hairline. The cluster on the right side measures 6 x 3cm and includes two parallel linear marks measuring 1.5 and 2.5cm in length and spaced 0.5cm apart. These linear marks are found on the inferolateral end of the cluster. A 0.6 x 0.2cm horizontally oriented red abrasion is found superior to the medial end of the right eyebrow. All of the abrasions in this area have a moist and red appearance. The cluster on the left side of the forehead spans an 8 x 6cm area. There is a 3.5cm-long linear component oriented superior posterior to inferior anterior on the lower lateral border of the cluster. These abrasions also have a moist and red appearance. On the left side of the face is a 2.3 x 0.5cm horizontally oriented red abrasion, located between the eye and superior attachment of the ear that extends into the sideburn. The right side of the face has a 3 x 4cm somewhat square-shaped cluster of red abrasions with contusions overlying the lateral portion of the zygomatic arch, just anterior to the ear. There is a 1.0 x 0.5cm rectangular abrasion near the right angle of the mandible. A 1 x 0.5cm horizontally oriented light pink abrasion is found in the submental region of the chin. All of the injuries on the face are moist and red with no signs of healing. There are no palpable facial fractures associated with these wounds. No blood exits the nose or mouth. There are no contusions of the labial mucosa, and no ocular injuries.

**Torso:** The anterior torso has a 17 x 6cm obliquely oriented (superomedial to inferolateral) area of healing abrasions and contusions overlying the mid lower chest wall. The contusion is very faint yellowish brown and begins at the midline at the level of the nipples and extends down following the right lower border of the ribcage. At the upper end of this cluster is a 1.7 x 0.3cm healing linear abrasion that is dry orange and is surrounded by a shiny area of scarring. There is a 2.0 x 0.5cm horizontally oriented dry orange abrasion with surrounding scar at the lower end of the cluster and a 1cm square dry orange abrasion located slightly inferior. On the inferomedial aspect of the healing contusion is a 0.5 x 0.4cm somewhat triangular shaped healing abrasion. Overlying the right iliac spine is a 2.2 x 1.0cm triangular dry orange abrasion. On the left anterior chest toward the lower border of the ribcage and superior to the number 6 probe is a 2.5 x 0.8cm horizontally oriented healing abrasion that is dry, orange and surrounded by a shiny area of scarring. The left lateral chest wall has another healing injury that spans a 12.0 x 3.5cm obliquely oriented (superoposterior to inferoanterior) array, terminating along the lower border of the ribcage and located superior and medial to probe number 7. This injury has a large area of contusion that is also predominantly yellow but has faint areas of bluish purple along the posterior periphery. There is a 2.5 x 0.5cm vertically oriented orange abrasion marking the anterior terminus. Extending posterior and superior from this abrasion are two linear abrasions, each measuring 8cm in length and evenly spaced 1cm apart. These parallel abrasions pass through a large area of the fading contusion. On the anterior left pelvis is a 1.7 x 0.7cm rectangular dry orange abrasion. The left posterolateral flank region has a 5 x 4cm triangular area of healing contusion that is predominantly yellow with small speckled areas of purple. There is a 1.5cm healing abrasion on the mid lumbosacral region of the back centered slightly off to the left of midline that is red and has small areas of scab. The right posterolateral flank region has a 14cm curvilinear area of indentation that has offset short linear marks individually measuring 1.5cm in length and 0.3cm in width, recapitulating the pattern of the chain from the handcuffs.

**Right Upper Extremity:** The lateral aspect of the right shoulder has a 15 x 4cm somewhat V-shaped area of dry orange abrasion that is oriented in a sagittal plane involving both the anterior and posterior surfaces along the lateral portion of the shoulder. The posterior aspect of the right upper arm has a 6 x 4cm area of speckled red abrasion. The lateral aspect of the right elbow has a cluster of three red abrasions in a 5 x 5cm triangular area. There is a 3.0 x 3.5cm cluster of abrasions on the medial aspect of the right elbow as well. On the anteromedial aspect of the proximal right forearm is a 0.7 x 0.2cm healing abrasion surrounded by faint scarring.

The right wrist is encircled by a 0.5cm wide band-shaped impression left by the handcuff. The impression is most pronounced on the dorsal surface where it is dry and slightly yellow, producing a very distinct channel measuring 0.5cm in width, flanked by 0.2cm-wide more purplish areas of discoloration. There is a 1.5cm thin curvilinear abrasion distal to the lateral end of the impression mark left on the dorsal surface of the wrist. On the medial edge of the right wrist, the ligature mark is dark yellowish brown, measures 1.5 x 0.8cm, and is depressed. The mark on the ventral surface of the wrist has a slight bend to it, while the mark on the dorsal surface is horizontal. The ligature mark curves up toward the head and consists of a faint, light purple area of indentation. There is a second faint mark located 2.5cm distal that is more horizontally oriented and measures 8cm in length, appearing as a single line.

The dorsal surface of the right hand has a 5 x 2cm longitudinally oriented area of speckled dry orange abrasion crossing the wrist. There are small dry yellowish orange abrasions near the second, third, and fourth metacarpophalangeal joints on the dorsal surface of the hand. Just distal to these joints on the third through fifth fingers are oval abrasions. The abrasion just distal to the third metacarpophalangeal joint measures 0.8cm and has a 4.5 x 1.0cm longitudinally oriented area of abrasion that continues down to the proximal interphalangeal joint. The abrasion just distal to the fourth metacarpophalangeal joint also measures 0.8cm. There is a 2.5 x 0.5cm longitudinally oriented cluster of dry yellow abrasions flanking the fourth proximal interphalangeal joint. The oval abrasion at the fifth metacarpophalangeal joint measures 0.5 x 0.4cm. There are some very small punctate abrasions extending down the dorsal surface of the fifth finger. There is a 0.5cm dry abrasion overlying the right second proximal interphalangeal joint. The palmar surface of the right hand has a 3.5 x 3.0cm area of deep linear to round abrasions that appear to be healing. These overlie the thenar eminence.

**Left Upper Extremity:** The lateral aspect of the left shoulder has an 11 x 5cm sagittally oriented irregular dry orange abrasion with an extension along the midpoint that extends down the upper arm. Distal to the anterior end of the larger abrasion is a 6 x 2cm cluster of linear abrasions that are fairly horizontal in their orientation. The dorsolateral aspect of the left upper arm has a 12 x 10cm area of fairly confluent healing contusion that is predominantly yellow on the upper end and darker purple along the lower borders. There is very sharp delineation of the upper and anterior borders of this area of discoloration. The lateral aspect of the left elbow has an 8 x 3cm area with fine linear abrasions and a 1cm round dark reddish brown abrasion. There is an 8 x 3cm cluster of dry red abrasions on the posterior aspect of the left elbow, and extending down onto the forearm. The medial aspect of the proximal left forearm has a 7 x 2cm dark reddish purple contusion that appears to be fading. There is a 9 x 2cm longitudinally oriented purple contusion circumscribing the olecranon process on the lateral surface. A couple of small abrasions circumscribe the superomedial aspect of the olecranon process as well. The dorsal surface of the left forearm has a 6 x 5cm triangular area of light reddish purple discoloration that appears to be lividity. Several small abrasions are scattered on the dorsal surface of the left wrist.

Another partial impression left by the handcuff is present on the left wrist. On this side, the impression is deeper on the ventral surface and faint on the dorsal surface where it angles in a V-

shaped fashion towards the hand. The impression on the ventral surface again appears a 0.5cm-wide channel flanked by 0.2cm-wide pressure marks.

The palmar surface of the left hand has a 3.5 x 0.8cm longitudinally oriented cluster of dry orange abrasions along the lateral portion of the thenar eminence. A couple of very small abrasions are found along the palmar surface of the fifth finger. There is a small abrasion overlying the metacarpophalangeal joint of the left thumb. The dorsal surface of the left hand has a 2cm purple contusion and a 1cm orange abrasion. There is a 1cm cluster of orange abrasions overlying the second proximal interphalangeal joint and a couple of small abrasions on the dorsal surface of the left fifth finger near the nailbed.

No angular deformity or bony crepitus is found associated with the injuries on either upper extremity.

**Lower Extremities:** The lateral aspect of the proximal left thigh has a 4 x 2cm horizontal very light yellow fading contusion. The medial aspect of the left knee has a 3 x 2cm dry light orange abrasion. There is a 2.5cm round deep moist pink abrasion overlying the left patella. The lateral aspect of the left knee has a 9 x 5cm longitudinally oriented cluster of what appear to be healing abrasions that extend down onto the proximal lower leg. There is a small abrasion on the dorsal surface of the left foot overlying the fifth metatarsophalangeal joint that appears to be covered with tan eschar.

Ligature impressions are also found partially encircling each ankle. The mark on the left side is more pronounced along the lateral aspect and very faint along the medial aspect. The mark on the lateral aspect again has this 0.5cm-wide channel of sparing with 0.2cm-wide gray impression marks along the flanking margins. The cuff impression on the right ankle is again more pronounced on the lateral aspect than on the medial aspect and has similar measurements as previously described. There is a 5 x 1cm cluster of small oval marks on the dorsomedial aspect of the proximal right foot that appears to be from the links in the chain. These individual marks measure 0.5 x 0.3cm and have a golden brown discoloration.

The superomedial aspect of the right knee has a 2cm red abrasion that appears to have a faint waffle pattern to it. There is a 1cm moist red abrasion along the medial aspect of the right knee that also appears to have a faint waffle pattern. Located slightly anterior to the smaller abrasion is a 2.3 x 1.3cm oval abrasion that appears to be covered with a slight scab. Two nearly healed abrasions are found overlying the right patella. The lateral aspect of the right knee has a 4 x 1cm longitudinally oriented area of faint abrasion.

*These injuries, having been described, will not be repeated.*

#### INTERNAL EXAMINATION

**HEAD:** The calvarium is of normal thickness. The atlantooccipital membrane is intact and the upper cervical spine is stable. The dura is smooth and shiny. There is no evidence of a subdural neomembrane or dural sinus thrombosis.

The brain weighs 1450 grams. The leptomeninges are glistening and transparent with clear cerebrospinal fluid. The brain is symmetric with a normal gyral pattern outside of the areas of trauma. There is no evidence of brain swelling, herniation or cerebral midline shift. There is no localized softening or contusion of the brain. The brainstem and cerebellum are unremarkable outside of trauma. The arteries at the base of the brain are thin and delicate with no atherosclerosis, thrombosis, or aneurysms.

Coronal sections of the cerebrum reveal no remote traumatic lesions or other abnormalities of the cortex, white matter, or deep gray nuclei. Sections of the brainstem and cerebellum show no non-traumatic focal abnormalities. The ventricular system is symmetric and of normal size. There are no intraventricular masses.

**NECK ORGANS:** The cervical vertebrae, hyoid bone and tracheal and laryngeal cartilages are normally formed and without fracture. There is no hemorrhage in the paratracheal or prevertebral soft tissues. The posterior oropharynx, larynx, and trachea are free of foreign material. There is no edema of the laryngeal mucosa or supraglottic tissues. The larynx and trachea are lined by light pink mucosa. The trachea is of normal caliber. The tongue is without hemorrhages or masses.

**BODY CAVITIES:** The subcutaneous fat is 1/4 inch thick at mid-abdominal level. The right pleural cavity, pericardial sac, and peritoneal cavity are without blood or excess fluid accumulation. The serosal surfaces are smooth, shiny, and without adhesions. Both lungs are partially expanded. The organs are normally arranged. No organs are absent.

**CARDIOVASCULAR SYSTEM:** The heart weighs 270 grams and is normally formed with a right-dominant circulation. The great vessels are normally related. The coronary ostia are in their usual locations and are patent. The coronary arteries are patent and exhibit no atherosclerosis and no thrombosis. The epicardial surface is smooth and shiny with mild epicardial fat. The myocardium is red-brown and without focal softening, hemorrhage, or fibrosis. The left ventricular free wall measures 1.5cm in thickness, the interventricular septum measures 1.5cm, and the right ventricular wall measures 0.4cm. The chambers are not dilated. The endocardial surfaces show a normal trabecular pattern without fibrosis or mural thrombus. The heart valves are normally formed with thin, pliable leaflets and no vegetations. The heart and great vessels contain a mild amount of liquid blood. The aorta is intact and gives off the usual branches. The intimal surface exhibits no atherosclerosis. There are no aneurysms.

**RESPIRATORY SYSTEM:** The right lung weighs 450 grams and the left lung weighs 360 grams. The pleural surfaces are smooth and glistening with moderate anthracotic pigmentation and no adhesions. The lungs exhibit the usual lobation. The non-traumatic areas of the parenchyma are spongy and red with no masses, infarcts, or consolidations. The bronchial tree is unobstructed. There are no endobronchial masses. The bronchial mucosa is pale. The pulmonary arteries are free of antemortem thrombus.

**LIVER, GALLBLADDER AND PANCREAS:** The liver weighs 1240 grams and is normally formed. The surface is intact and covered by a smooth capsule. The parenchyma is firm and red-brown. No cysts, masses, fibrosis, or fatty change are present. The gallbladder contains approximately 2mL of bile and no calculi. The gallbladder mucosa is unremarkable. The wall is thin and pliable. The bile ducts are patent. The periportal lymph nodes are not enlarged.

The pancreas is of normal size with lightly congested lobulated parenchyma. There are no cysts or masses. No evidence of fibrosis, hemorrhage, or fat necrosis is present. The pancreatic ducts are of normal size.

**GASTROINTESTINAL SYSTEM:** The esophagus is normally formed and patent and lined by light tan mucosa. The gastroesophageal junction is free of varices or erosions. The stomach contains approximately 60mL of a brown liquid. No pill fragments or peculiar scents are noted. The gastric mucosa is pale tan and without ulcers or masses. The pyloric valve is patent. The duodenum is free of mucosal masses or ulcers. The small intestines are light pink-tan. The colon has formed green stool within the rectum. The underlying mucosa is pale and free of lesions. The appendix is present and is unremarkable.

**LYMPHORETICULAR SYSTEM:** The spleen weighs 80 grams and is covered by an intact wrinkled blue-gray capsule. The parenchyma is firm, red-purple with an indistinct white pulp, and without masses or evidence of fibrosis. Lymph nodes throughout the body are small and inconspicuous. The thymus is not identified.

**ENDOCRINE SYSTEM:** The thyroid gland is symmetrical with uniform red brown colloidal parenchyma and no cysts or masses. The adrenal glands have uniform yellow cortices, surrounding thin red medullary centers. No adrenal masses or hemorrhages. The pituitary gland is normal in size. The parathyroid glands are not identified.

**UROGENITAL SYSTEM:** Each kidney weighs 120 grams and is normally formed with a smooth, red-brown subcapsular surface. Sections show uniform cortical thickness with distinct corticomedullary junctions. There are no cysts or masses. The pelvis and ureters are patent and of normal caliber. The urinary bladder contains approximately 30mL of clear yellow urine. The bladder mucosa is unremarkable. The prostate gland is not enlarged and is free of nodules. Both testes are in the scrotum. There are no hydroceles or masses.

**MUSCULOSKELETAL SYSTEM:** The skeletal muscle is red-brown with no evidence of atrophy or mass lesions. There are no visible or palpable fractures of the vertebral column, pelvis, or long bones of the extremities. No bone masses or malformations are present.

**TOXICOLOGY AND OTHER STUDIES:**

Femoral blood is submitted for Toxicology. Additional samples of femoral and cardiac blood, urine, and gastric contents are retained.

**HISTOLOGY:**

Representative pieces of various organs are retained. No sections are submitted for histology.

**PHOTOGRAPHS:**

Digital photographs are taken by Tatiana Schlafer.

**DIAGRAMS:**

Diagrams of the injuries are prepared during autopsy.

**X-RAYS:**

Digital x-rays of the head and torso have been obtained and document the projectile fragments, metallic ECD probes and wires, and handcuffs as previously described.

**EVIDENCE:**

Head hair, fingernails clippings, and blood for DNA typing were retained.

SEF/DP

D: 10/18/16

T: 10/19/16



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Toxicology Report

Report Issued 11/01/2016 11:01

Patient Name ARLT Sean
Patient ID 16-08229
Chain 66745
Age 32 Y DOB 06/25/1984
Gender Male
Workorder 16320528

To: 60C
Santa Cruz County Coroner
Attn: Sgt. Ian Patrick
5200 Soquel Avenue
Santa Cruz, CA 95062

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Positive Findings:

Table with 4 columns: Compound, Result, Units, Matrix Source. Rows include Ethanol, Blood Alcohol Concentration (BAC), Cotinine, Bupropion, Hydroxybupropion, 11-Hydroxy Delta-9 THC, Delta-9 Carboxy THC, and Delta-9 THC.

See Detailed Findings section for additional information

Testing Requested:

Table with 2 columns: Analysis Code, Description. Row: 8054B Postmortem, Expanded with NPS, Blood (Forensic)

Specimens Received:

Table with 5 columns: ID, Tube/Container, Volume/Mass, Collection Date/Time, Matrix Source, Miscellaneous Information. Row: 001 Gray Top Tube, 10.25 mL, 10/18/2016 14:30, Femoral Blood

All sample volumes/weights are approximations.
Specimens received on 10/21/2016.

Handwritten signature and date: 11-11-16

**Reference Comments:**

## 4. Delta-9 Carboxy THC (Inactive Metabolite) - Femoral Blood:

Delta-9-THC is the principle psychoactive ingredient of marijuana/hashish. Delta-9-carboxy-THC (THCC) is the inactive metabolite of THC. The usual peak concentrations in serum for 1.75% or 3.55% THC marijuana cigarettes are 10 - 101 ng/mL attained 32 to 240 minutes after beginning smoking, with a slow decline thereafter. The ratio of whole blood concentration to plasma concentration is unknown for this analyte. THCC may be detected for up to one day or more in blood. Both delta-9-THC and THCC may be present substantially longer in chronic users. THCC is usually not detectable after passive inhalation.

## 5. Delta-9 THC (Active Ingredient of Marijuana) - Femoral Blood:

Marijuana is a DEA Schedule I hallucinogen. Pharmacologically, it has depressant and reality distorting effects. Collectively, the chemical compounds that comprise marijuana are known as Cannabinoids.

Delta-9-THC is the principle psychoactive ingredient of marijuana/hashish. It rapidly leaves the blood, even during smoking, falling to below detectable levels within several hours. Delta-9-carboxy-THC (THCC) is the inactive metabolite of THC and may be detected for up to one day or more in blood. Both delta-9-THC and THCC may be present substantially longer in chronic users.

THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

## 6. Ethanol (Ethyl Alcohol) - Femoral Blood:

Ethyl alcohol (ethanol, drinking alcohol) is a central nervous system depressant and can cause effects such as impaired judgment, reduced alertness and impaired muscular coordination. Ethanol can also be a product of decomposition or degradation of biological samples. The blood alcohol concentrations (BAC) can be expressed as a whole number with the units of mg/dL or as a decimal number with units of g/100 mL which is equivalent to % w/v. For example, a BAC of 85 mg/dL equals 0.085 g/100 mL or 0.085% w/v of ethanol.

## 7. Hydroxybupropion (Bupropion Metabolite) - Femoral Blood:

Bupropion is a drug that is marketed for oral use as an antidepressant (Wellbutrin®) and as a smoking deterrent (Zyban®). Bupropion is extensively metabolized to several products (e.g., hydroxybupropion, and erythroamino and threoamino metabolites). Although all metabolites have less pharmacological activity than the parent drug, they have longer elimination half-lives than bupropion and generally exceed the plasma concentration of the parent compound.

Juvenile patients taking once daily, extended release bupropion for two weeks had the following peak plasma levels:

100 mg/day (n = 11), 450 +/- 210 ng/mL hydroxybupropion

200 mg/day (n = 8), 710 +/- 350 ng/mL hydroxybupropion

A delayed death due to overdose with bupropion had serum concentrations of 446 ng/mL bupropion and 3212 ng/mL hydroxybupropion at 20 hours post ingestion.

The ratio of whole blood concentration to Serum or plasma concentration is unknown for this analyte.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) months from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.

Workorder 16320528 was electronically signed on 11/01/2016 10:50 by:



Sherri L. Kacinko, Ph.D., F-ABFT  
Forensic Toxicologist

**Analysis Summary and Reporting Limits:**

<u>Compound</u>	<u>Rpt. Limit</u>	<u>Compound</u>	<u>Rpt. Limit</u>
APP-CHMINACA (PX3)	0.20 ng/mL	MMB-CHMINACA (MDMB-CHMICA)	0.10 ng/mL
BB-22	0.10 ng/mL	MN-18	0.10 ng/mL
EG-2201	0.20 ng/mL	MN-25	0.10 ng/mL
FUB-144	0.10 ng/mL	NM-2201	0.10 ng/mL
FUB-AKB-48	0.20 ng/mL	PB-22	0.10 ng/mL
FUB-AMB	0.10 ng/mL	PX1	0.10 ng/mL
FUB-JWH-018	0.20 ng/mL	PX2	0.20 ng/mL
FUB-PB-22	0.10 ng/mL	THJ-018	0.10 ng/mL
FUBIMINA	0.10 ng/mL	THJ-2201	0.10 ng/mL
JWH-018	0.10 ng/mL	UR-144	0.20 ng/mL
JWH-122	0.10 ng/mL	XLR-11	0.20 ng/mL
MA-CHMINACA	0.20 ng/mL		
MDMB-CHMINACA	0.10 ng/mL		

-Analysis by High Performance Liquid Chromatography/

Time of Flight-Mass Spectrometry (LC/TOF-MS) for: The following is a general list of compound classes included in this screen. The detection of any specific analyte is concentration-dependent. Note, not all known analytes in each specified compound class are included. Some specific analytes outside these classes are also included. For a detailed list of all analytes and reporting limits, please contact NMS Labs.

Amphetamines, Anticonvulsants, Antidepressants, Antihistamines, Antipsychotic Agents, Benzodiazepines, CNS Stimulants, Cocaine and Metabolites, Hallucinogens, Hypnotics, Hypoglycemics, Muscle Relaxants, Non-Steroidal Anti-Inflammatory Agents, Opiates and Opioids.