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DEPARTMENT OF THE ARMY
US ARMY CRIMINAL INVESTIGATION LABORATORY
4930 N 31ST STREET
FOREST PARK, GA 30297-5205

CILA-FAD-DNA

09 November 2010

MEMORANDUM FOR SPECIAL AGENT IN CHARGE, FORT IRWIN CID OFFICE,
FORT IRWIN RESIDENT AGENCY (CID), P.O. BOX 105077, BUILDING
986, FORT IRWIN, CA 92310

SUBJECT: DNA Branch - Final Report
USACIL Case Number: 2010-CID131-1989
Submitter Case Number: 0162-10-CID146-25272

EXHIBITS:

- 1 - Clothing of CHAJI, ECD: 098-10, Item#: 1.
 - 1.1 - Checkered pants.
 - 1.2 - Tinkerbell pants.
 - 1.3 - Underwear.
- 2 - Blanket from the scene, ECD: 098-10, Item#: 2.
- 3 - Sheet from the scene, ECD: 098-10, Item#: 3.
- 4 - Blanket from the scene, ECD: 098-10, Item#: 4.
- 5 - Blanket from the scene, ECD: 098-10, Item#: 5.
- 7 - Knife from the scene, ECD: 098-10, Item#: 7.
 - 7.2 - Swab of knife
 - 7.3 - Swab of knife.
- 11 - Buccal swabs of CHAJI, ECD: 096-10, Item#: 1.
- 12 - Buccal swabs of SALEH, ECD: 099-10, Item#: 1.

RESULTS OF EXAMINATION:

Unless otherwise indicated, the exhibits were examined and the analysis results are provided below. The results contain the findings and opinions of the examiner.

1. Semen was identified on the CLOTHING of CHAJI; however, no spermatozoa were observed on the CHECKERED PANTS of CHAJI or the UNDERWEAR of CHAJI.
2. Swabs were collected from the KNIFE from the SCENE and repackaged with the evidence. If DNA analysis is necessary in the future, these swabs can be resubmitted.
3. No examinations were performed on Exhibits 2-5, or 7.
4. DNA (deoxyribonucleic acid) was extracted from the following exhibits: the CHECKERED PANTS of CHAJI (crotch



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TEW *TEW*

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area), the TINKERBELL PANTS of CHAJI (stain 34), the UNDERWEAR of CHAJI (crotch area), and the BUCCAL SWABS of CHAJI and SALEH.

5. DNA profiles were obtained using PCR (polymerase chain reaction) technology on the fifteen STR (short tandem repeat) loci D8S1179, D21S11, D7S820, CSF1PO, D3S1358, TH01, D13S317, D16S539, D2S1338, D19S433, vWA, TPOX, D18S51, D5S818, FGA and the gender identification locus Amelogenin.

6. A mixture of DNA profiles from at least two individuals was obtained from the TINKERBELL PANTS of CHAJI (stain 34).

A. The semen DNA profile matches the DNA profile from SALEH. The frequency of occurrence of this profile among unrelated individuals selected at random from the U.S. population is estimated to be:

| | |
|-----------|----------------------|
| Caucasian | 1 in 790 quintillion |
| Black | 1 in 160 sextillion |
| Hispanic | 1 in 3.1 sextillion. |

B. The remaining non-semen DNA profile matches the DNA profile obtained from CHAJI.

7. A mixture of DNA profiles from at least two individuals was obtained from the UNDERWEAR of CHAJI (crotch area).

A. The non-semen DNA profile matches the DNA profile obtained from CHAJI.

B. The remaining semen DNA profile is consistent with the DNA profile from SALEH. The frequency of occurrence of this profile among unrelated individuals selected at random from the U.S. population is estimated to be:

| | |
|-----------|----------------------|
| Caucasian | 1 in 420 quintillion |
| Black | 1 in 75 sextillion |
| Hispanic | 1 in 1.5 sextillion. |

8. A mixture of DNA profiles from at least two individuals

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was obtained from the CHECKERED PANTS of CHAJI (crotch area).

A. The non-semen DNA profile matches the DNA profile obtained from CHAJI.

B. There is additional genetic information present in the substrate DNA profile that could not have originated from CHAJI.

C. SALEH is excluded as being a possible contributor to the detected substrate DNA profile.

D. The DNA results may be compared to other potential DNA contributors when suitable standards for comparison or elimination are submitted to this laboratory.

9. The semen DNA profile from the TINKERBELL PANTS of CHAJI (stain 34) will be submitted to CODIS (Combined DNA Index System).

10. The above listed exhibits will be returned to the submitting agency upon the completion of laboratory testing.

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TRACEY E. WRIGHT
Forensic DNA Examiner



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4930 N 31ST STREET
FOREST PARK, GA 30297-5205

CILA-FAD-LP

29 October 2010

MEMORANDUM FOR SPECIAL AGENT IN CHARGE, FORT IRWIN CID OFFICE,
FORT IRWIN RESIDENT AGENCY (CID), P.O. BOX 105077, BUILDING
986, FORT IRWIN, CA 92310

SUBJECT: Latent Print Branch - Final Report
USACIL Case Number: 2010-CID131-1989
Submitter Case Number: 0162-10-CID146-25272

EXHIBITS:

- 6 - Knife (Item 6, Doc 098-10).
- 7 - Knife (Item 7, Doc 098-10).
- 8 - Glass mirror (Item 1, Doc 097-10).
- 9 - Glass mirror (Item 2, Doc 097-10).
- 10 - Glass mirror (Item 3, Doc 097-10).
- 13 - Record finger and palm prints of CHAJI.
- 14 - Record finger and palm prints of SALEH.
- 16 - Record fingerprints of DANIELSON.

RESULTS OF EXAMINATION:

Those items discussed were analyzed for this report. The results contain the findings and opinions of the examiner.

1. Examination of Exhibits 6 through 10 revealed three latent fingerprints on Exhibit 8 suitable for identification.
2. SALEH made two of the latent fingerprints on Exhibit 8.
3. The record fingerprints of CHAJI and SALEH were compared to the remaining latent fingerprint on Exhibit 8 insofar as possible without effecting an identification. Please submit additional complete and legible, fully rolled, record fingerprints of CHAJI and SALEH if a complete comparison (elimination or identification) is desired.
4. DANIELSON did not make the remaining latent fingerprint on Exhibit 8.
5. Images of the latent fingerprint will remain on file at this laboratory.



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MONIKA WILK
Latent Print Examiner



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CILA-FAD-TE

06 October 2010

MEMORANDUM FOR SPECIAL AGENT IN CHARGE, FORT IRWIN CID OFFICE,
FORT IRWIN RESIDENT AGENCY (CID), P.O. BOX 105077, BUILDING
986, FORT IRWIN, CA 92310

SUBJECT: Trace Evidence Branch - Final Report
USACIL Case Number: 2010-CID131-1989
Submitter Case Number: 0162-10-CID146-25272

EXHIBITS:

- 1 - Clothing, ECD: 098-10, Item 1:
 - 1.1 - Pants.
 - 1.2 - Pants.
 - 1.3 - Underwear.
- 2 - Blanket, ECD: 098-10, Item 2.
- 3 - Sheet, ECD: 098-10, Item 3.
- 4 - Blanket, ECD: 098-10, Item 4.
- 5 - Blanket, ECD: 098-10, Item 5.
- 6 - Knife, ECD: 098-10, Item 6.
- 7 - Knife, ECD: 098-10, Item 7.
- 15 - Foam, ECD: 102-10, Item 2.

RESULTS OF EXAMINATION:

Those items discussed were analyzed for this report. The results contain the findings and opinions of the examiner.

1. Foreign fibers were collected from Exhibits 1 (1.1 through 1.3), 2, 3, 4, 5, 7, and 15. Nothing of apparent trace evidential value was observed on Exhibit 6.
2. Hairs were collected from Exhibits 1 (1.1 through 1.3), 2, 3, 4, and 5. If hair analysis is deemed necessary by your office, please contact the USACIL Investigative Support Branch for coordination to have hair examination conducted by an external source. No hairs were observed in Exhibit 15.
3. Microscopic examination of the fibers removed from Exhibits 1 (1.1 through 1.3), 2, 3, 4, 5, and 15 disclosed that none of the fibers were present in sufficient quantity



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and/or type to attribute any potential significance to them without a possible source for comparison purposes. If a possible source(s) for the fibers from these exhibits become(s) available and is pertinent to the case, please resubmit these collections along with the possible source(s) for fiber comparative examinations.

4. Exhibit 15 is a piece of foam covered with a fabric on three sides of the six sided foam piece. Examinations of the fibers removed from Exhibit 7 (knife) disclosed the presence of four red fibers which were consistent with the red polyester fibers composing the fabric of Exhibit 15 (fabric cover on the foam) in their microscopic characteristics, color, and organic composition. As a result of these findings, the red fibers from Exhibit 7 (knife) could have originated from the fabric of Exhibit 15.

5. A small angular shape separation (damage) was observed on the fabric and on the foam of Exhibit 15. The separation on the fabric is aligned with the separation on the surface of the foam. Examinations of the fabric and yarn ends along the edges of the fabric separation and the edges of the foam separation disclosed characteristics consistent with the fabric and the foam being damaged or cut by a sharp bladed object.

6. It should be noted that fabric and foam are an elastic medium and damage to these types of materials by a sharp bladed implement will not necessarily produce accurate dimensions of the implement used. Also, cuts observed in these types of materials do not demonstrate unique characteristics that would allow for a specific sharp bladed implement to be identified as the implement that produced a specific cut and/or cuts. Thus, Exhibits 6, 7, or any other sharp bladed implement could not be excluded as producing the cuts observed in Exhibit 15.

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