



Submitting Agency:

Date: October 23, 2003

Chief Gerald J Sallmann  
Columbus Police Department  
105 N Dickason Blvd  
PO Box 192  
Columbus WI 53925-0192

Case No: M80-499

Agency No.: 25-80

Laboratory Analyst:

Case Name: McIntyre, Marilyn (V) -  
Columbus, Columbia County,  
Wisconsin

*Rick Willis*  
Rick Willis  
(DNA Analysis)

I do hereby certify this document, consisting of 2 page(s), to be a true and correct report of the findings of the State Crime Laboratory on the items examined as shown by this report.

Peggy A. Lautenschlager  
ATTORNEY GENERAL

Designee:

*Lucy L. Normann*  
SIGNATURE

The following items of evidence were examined in the DNA Analysis Unit of the laboratory:

- Item A - pink panties reportedly from cardboard box in bedroom
- Item M - blue blanket reportedly from bed
- Item N - Viceroy cigarette butt reportedly from bedroom ashtray
- Item O - Viceroy cigarette butt reportedly from living room ashtray
- Item W - vaginal swabs recovered at autopsy
- Item AK - stain reportedly from bathroom sink
- Item AL - stain reportedly from bathroom sink
- Item AP - blue bathrobe recovered at autopsy
- Item AS - pulled pubic hair recovered at autopsy
- Item BC - Marlboro cigarette butt recovered at autopsy
- Item BG - knife recovered at autopsy
- Item BL - envelop and letter
- Item BN - sawed-off boat oar
- Item BU - oral swab reportedly from Lane McIntyre.

### RESULTS

Examinations of the sawed-off boat oar (Item BN) did not indicate the presence of blood.

Examinations of the vaginal swabs (Item W), the blue bathrobe (Item AP) and the pulled pubic hair (Item AS) did not reveal the presence of spermatozoa.

Examinations of a stain from the crotch of the pink panties (Item A) and seven stains from the blue blanket (Item M) revealed the presence of semen in the form of spermatozoa heads.

Human DNA (deoxyribonucleic acid) was not detected on the following items of evidence and therefore, no further examinations were performed:

- Item N - Viceroy cigarette butt reportedly from bedroom ashtray
- Item O - Viceroy cigarette butt reportedly from living room ashtray
- Item AK - stain from bathroom sink
- Item BG - knife (handle) recovered at autopsy
- Item BL - envelope (stamp and flap) and letter
- Item BN - sawed-off boat oar (handle).

Human DNA was detected on the following items of evidence:

- Item A - pink panties reportedly from cardboard box in bedroom
- Item M - blue blanket reportedly from bed
- Item W - vaginal swabs recovered at autopsy
- Item AL - stain from bathroom sink
- Item AS - pulled pubic hair recovered at autopsy
- Item BC - Marlboro cigarette butt recovered at autopsy
- Item BU - oral swab reportedly from Lane McIntyre.

The human DNA samples were amplified by the polymerase chain reaction (PCR) method using the Promega PowerPlex<sup>®</sup> 16 Amplification Kit. The Kit amplifies Amelogenin gender marker and short tandem repeat (STR) genetic markers D3S1358, TH01, D21S11, D18S51, Penta E, D5S818, D13S317, D7S820, D16S539, CSF1PO, Penta D, vWA, D8S1179, TPOX, FGA.

Typing of the vaginal swabs (Item W) and the pulled pubic hair (Item AS) showed a DNA profile consistent with a female donor. This DNA profile was used for interpretations as a DNA standard from Marilyn McIntyre.

Typing of the semen stains from the panties (Item A) and blue blanket (Item M) showed DNA types that were consistent with the DNA profile from Lane McIntyre (Item BU) and/or Marilyn McIntyre (Item W and Item AS).

The partial DNA profile from the Marlboro cigarette butt (Item BC) was consistent the DNA profile from Marilyn McIntyre (Item W and Item AS).

The partial DNA profile of the stain from the bathroom sink (Item AL) revealed the presence of a mixture of DNA from at least three individuals. This mixture profile is consistent with the DNA profile from Marilyn McIntyre (Item W and Item AS). It is not consistent with the DNA profile from Lane McIntyre (Item BU).

CONCLUSIONS

The following conclusions were based on a database from the Federal Bureau of Investigation (FBI) of unrelated individuals from the Caucasian, Black, Southeastern Hispanic and Southwestern Hispanic populations.

Marilyn McIntyre (Item W and Item AS) is a possible contributor of DNA to the stain on the bathroom sink (Item AL). The probability of including a randomly selected individual as a possible contributor to the DNA mixture is one in at least eleven thousand. Lane McIntyre (Item BU) is excluded as a contributor of DNA to the mixture.

The DNA profiles of the semen stains in the crotch of the panties (Item A) or on the blanket (Item M) did not reveal DNA types foreign to Marilyn McIntyre (Item W and Item AS) and Lane McIntyre (Item BU).

The partial DNA profile from the Marlboro cigarette butt (Item BC) did not reveal DNA types foreign to Marilyn McIntyre (Item W and Item AS).

**Evidence Disposition:** The items of evidence will be returned to the submitting agency.