

BUREAU OF CRIMINAL APPREHENSION
1246 University Avenue
St. Paul, Minnesota
July 17, 1975

CONFIDENTIAL

Mr. Milton E. Wellnitz
BCA Agent
Sheriff's Office
Fergus Falls, MN 56537

ARRANGEMENTS:

At your request, WAYNE TODD BUSHWAY was examined on the polygraph, a detection of deception technique. The subject was examined for the purpose of ascertaining if he possessed any undisclosed knowledge of the circumstances surrounding the disappearance of Milda McQuillan on June 17, 1975.

PROCEDURE:

The subject was examined in a private room with only the examiner and subject present. After an initial pre-test interview, the examination consisted of the following:

A blood pressure bladder and cuff was wrapped around the humeral region of the subject's left arm with the bladder positioned over the approximate area of the subject's brachial artery. The bladder was inflated to a point approximating the subject's arithmetic mean blood pressure, or midway between the subject's systolic and diastolic blood pressures, for the purpose of recording a continuous indication of the subject's pulse rate, pulse wave amplitude, relative blood pressures, and variations therein.

~~A sensor, consisting of a membrane and transducer assembly, was fitted on one of the subject's digital extremities for the purpose of recording without the application of pressure, the subject's continuous capillary pulse volume, pulse rate, and variations therein.~~

A photoconductive plethysmograph transducer was fitted on one of the subject's digital extremities for the purpose of recording a continuous indication of the subject's finger blood volume, pulse volume, the reflected blood color and oxygenation level, and variations therein.

Two corrugated rubber tubes, independent of each other, were fastened around the subject's thoracic and abdominal regions respectively for the purpose of recording a continuous indication of the subject's respiratory pattern and variations therein.

Two finger electrodes were fitted on two of the subject's digital extremities for the purpose of recording a continuous indication of the subject's electrical skin resistance and changes therein.

A Stoelting Multigraphic Recorder, model 22714, to which the above accessories were attached, was then activated, thus initiating the continuous and simultaneous recordings described above.

In the beginning of each sequence of test questions, irrelevant questions were first asked for the purpose of indicating the subject's normal tracings, plus excitement level, with stimuli. Through the balance of each test question sequence, relevant questions pertaining to the matter under examination were interspersed with irrelevant questions for the purpose of indicating any significant changes from the subject's normal tracings, plus excitement level, with stimuli, when asked questions concerning the object of the examination.

Examination results, examiner opinion, and test questions are included in the attached pages.

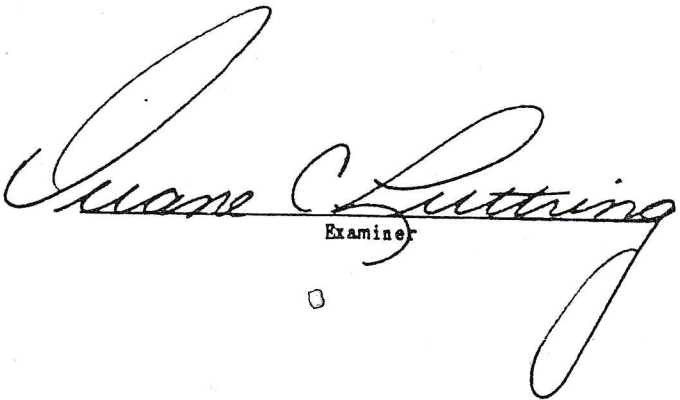
RESULTS:

In the pretest interview, the subject gave the following information and admissions: Subject denied any knowledge of the disappearance of Milda McQuillan.

The subject was given two tests. His polygrams did not contain specific reactions to the relevant questions, indicating no attempt at deception.

CONCLUSION:

After careful analysis of this subject's polygrams, it is the opinion of the examiner that he told substantially the truth during his examination.


Examiner

8-6-75
DCL/js

CHART #1

- | | |
|---|-----|
| 1. Is your first name Wayne? | Yes |
| 2. Are you 18 years old? | Yes |
| 3. Have you told the complete truth about your knowledge of the disappearance of Milda McQuillan? | Yes |
| 4. Did you eat yesterday? | Yes |
| 5. Did you see Milda McQuillan on June 17th? | No |
| 6. Do you sometimes eat lunch? | Yes |
| 7. Do you know what happened to Milda McQuillan? | No |
| 8. Were you born in 1957? | Yes |
| 9. Have you ever thought about lying to a friend? | No |
| 10. Do you sometimes watch television? | Yes |
| 11. Do you know where Milda McQuillan is now? | No |

CHART #2

- | | |
|--|-----|
| 1. Is your last name Bushway? | Yes |
| 2. Did you see Milda McQuillan on June 17th? | No |
| 3. Do you sometimes ride in a car? | Yes |
| 4. Do you know what happened to Milda McQuillan? | No |
| 5. Do you sometimes listen to the radio? | Yes |
| 6. Do you know where Milda McQuillan is now? | No |
| 7. Is your birthday in June? | Yes |
| 8. Have you ever done anything that you are ashamed of? | Yes |
| 9. Were you born in Minnesota? | Yes |
| 10. Have you told me the complete truth about this matter? | Yes |