Simultaneous vs. Sequential Lineups

Gary L. Wells
Iowa State University

Presentation to:

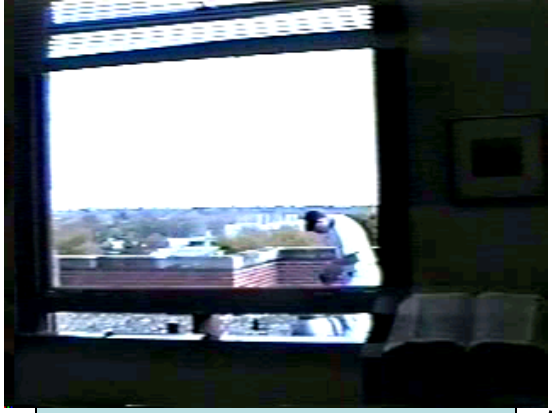
The Connecticut Eyewitness Identification Task Force

October 19, 2011

The Scientific Method for Studying Eyewitness Identification

Created event

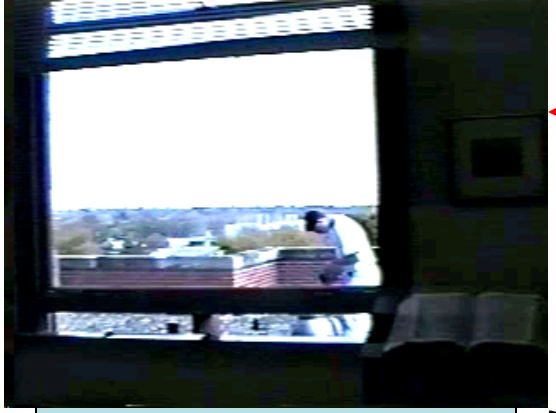
Created event



N# witnesses

View a lineup

Created event



Nature of the witnessed event

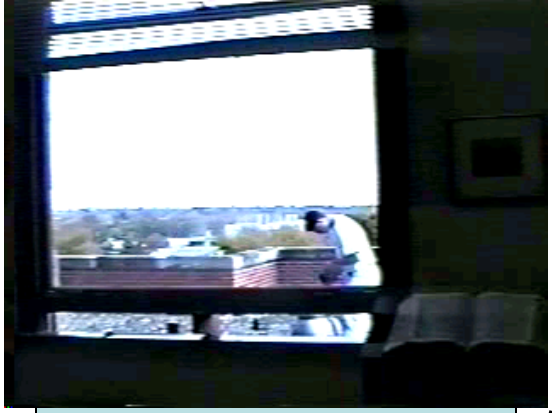
N# witnesses

View a lineup

Identification decision

Certainty of identification

Created event



N# witnesses

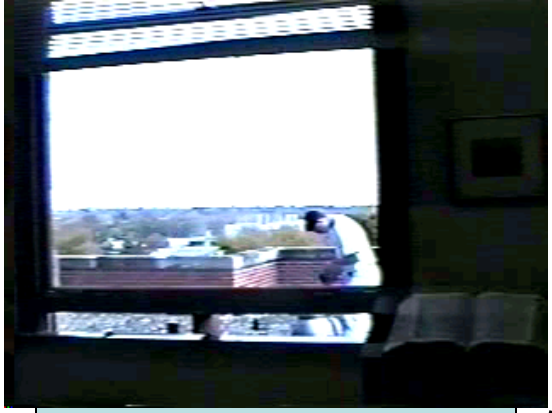
Characteristics of witnesses

View a lineup

Identification decision

Certainty of identification

Created event



N# witnesses

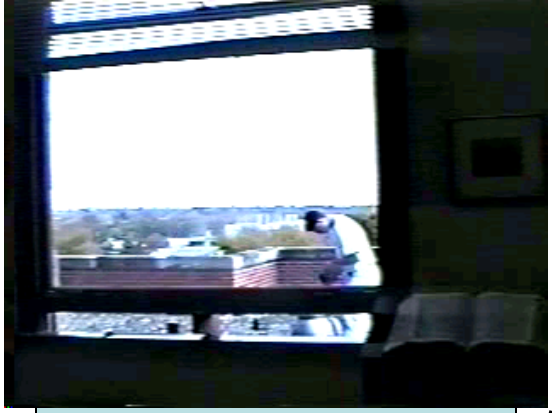
Instructions

View a lineup

Identification decision

Certainty of identification

Created event



N# witnesses

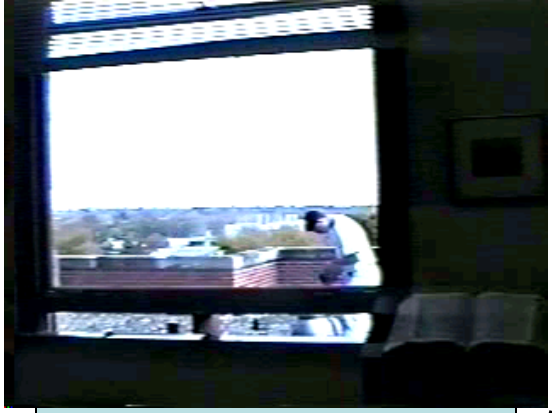
View a lineup

Type of lineup

Identification decision

Certainty of identification

Created event



N# witnesses

View a lineup

Identification decision

Certainty of identification

Behaviors of lineup administrator

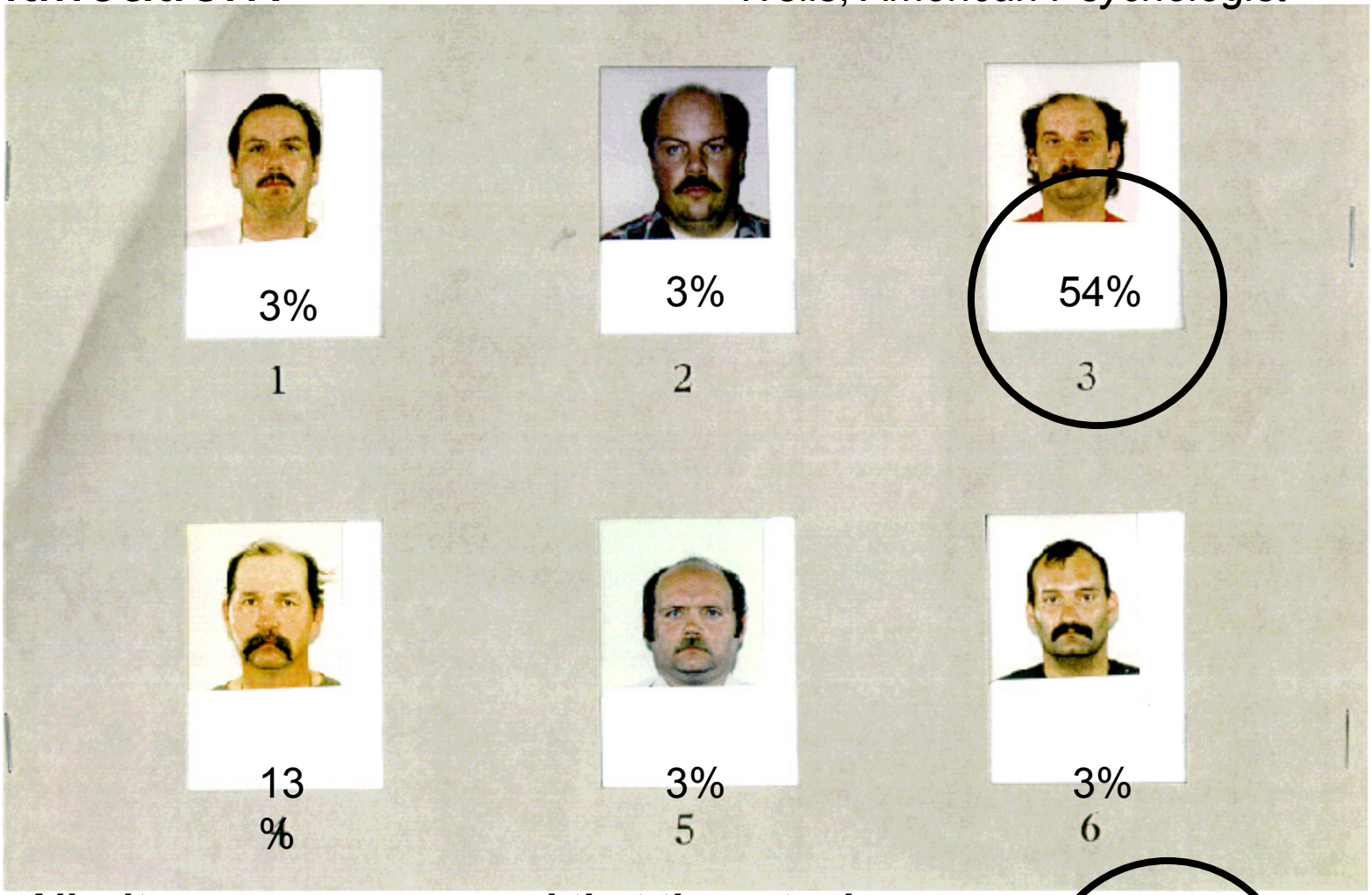
The Relative-Judgment Process

Eyewitnesses tend to select the person who looks most like the perpetrator <u>relative</u> to the other members of the lineup.

From: Wells, *The Psychology of Lineup Identifications*

From: *What Do We Know About Eyewitness Identification?*

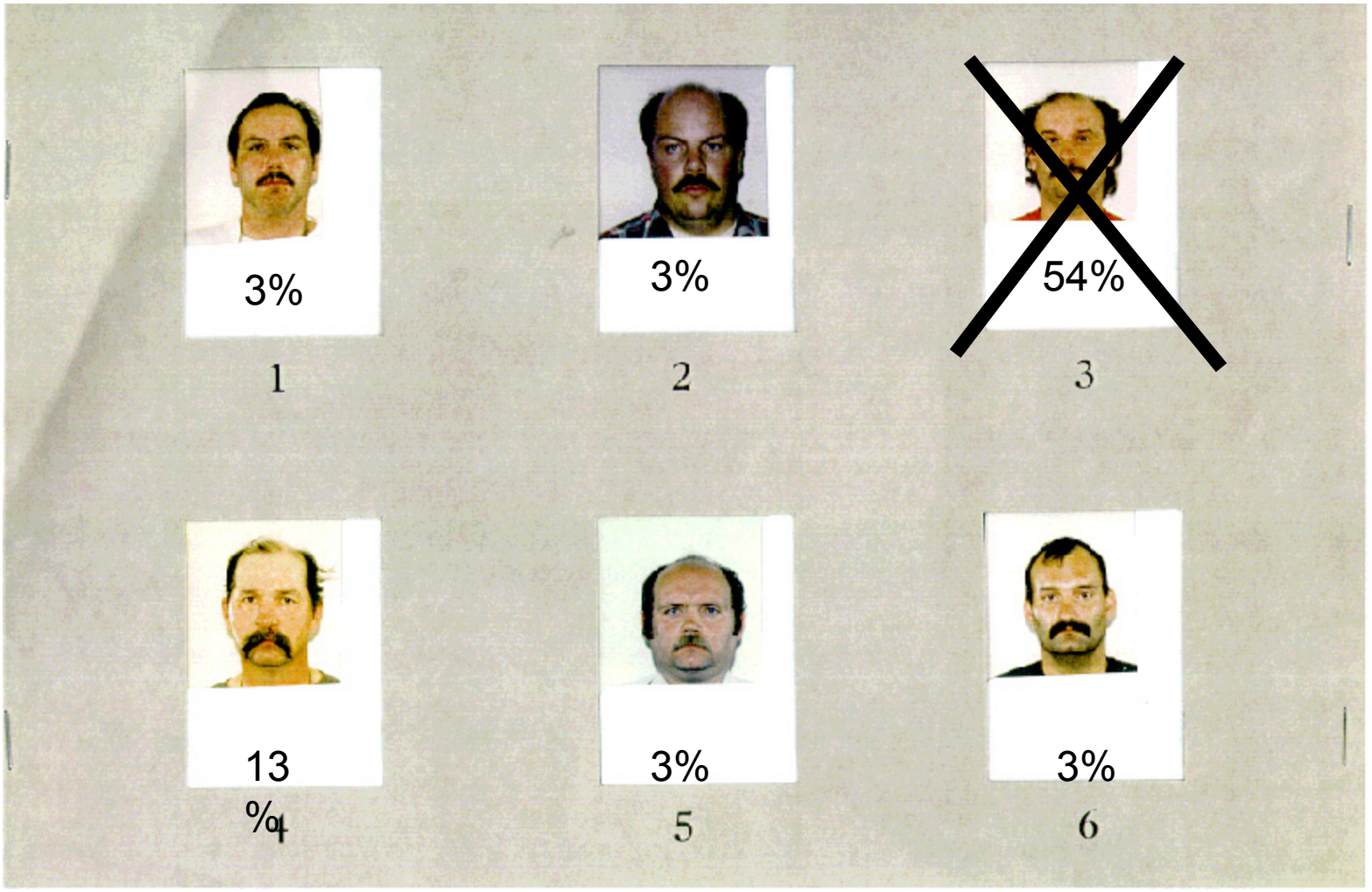
Wells, *American Psychologist*



Note: All witnesses were warned that the actual perpetrator might not be in the lineup

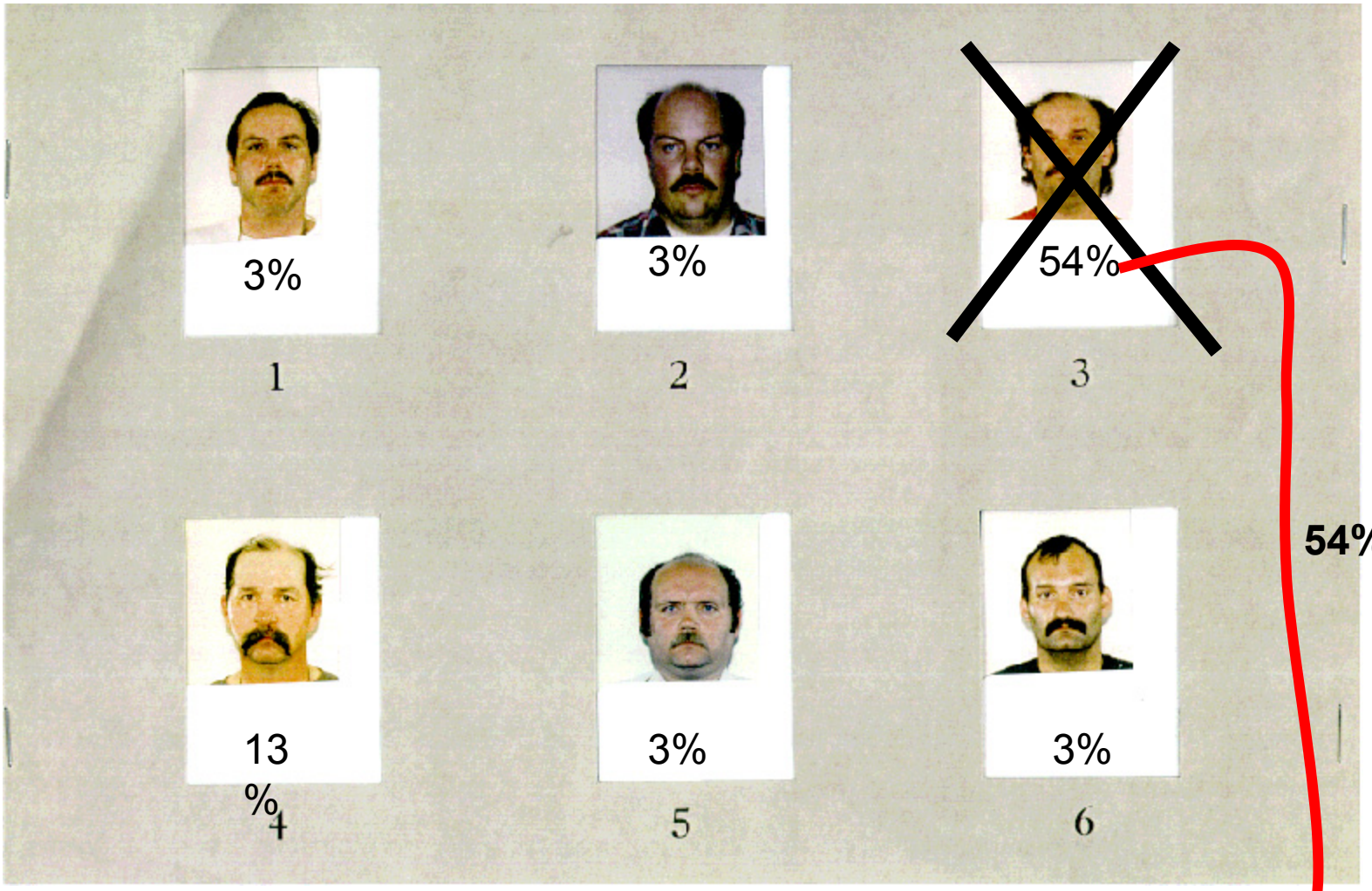
No choice = 21%

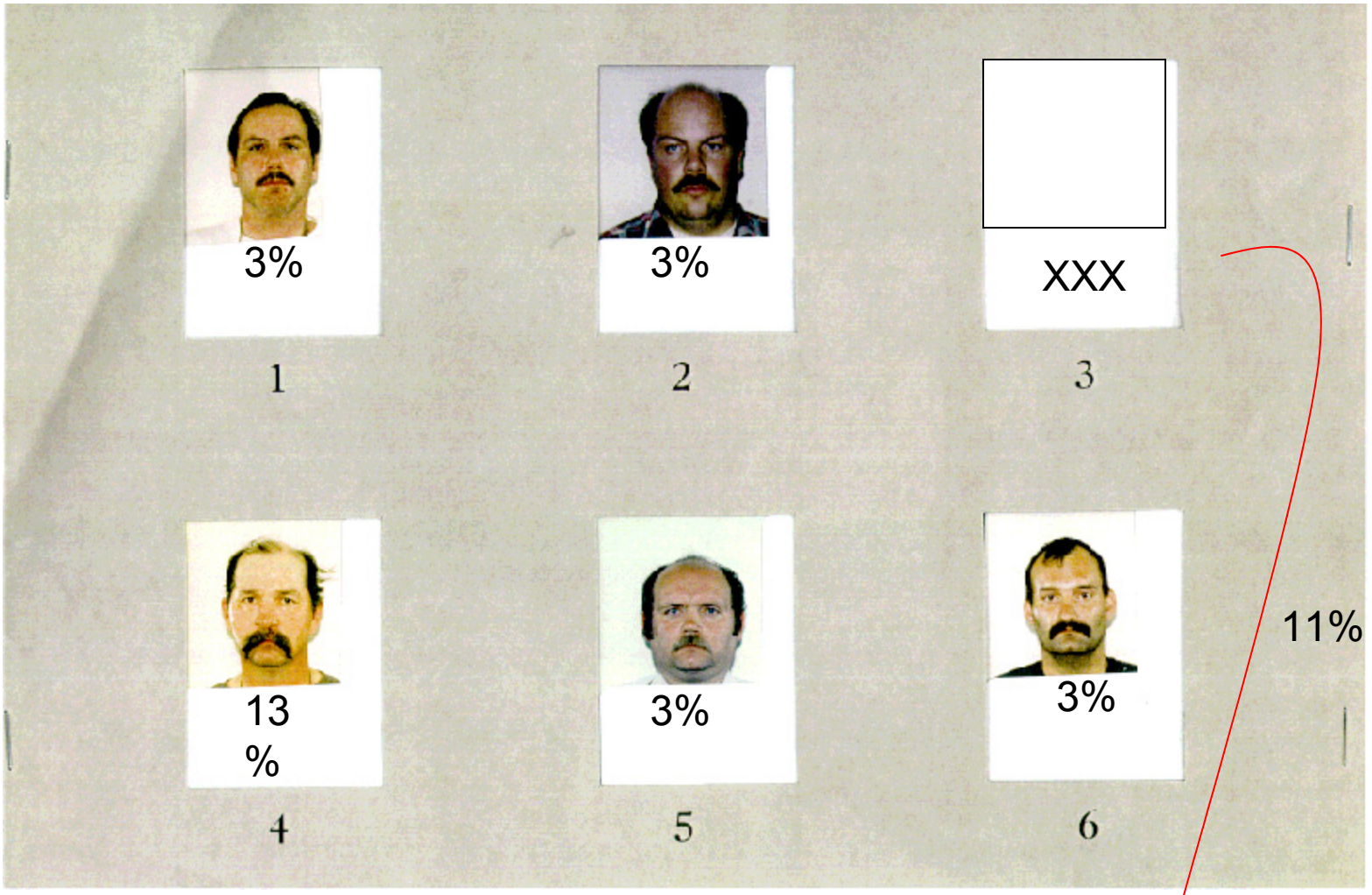
Removal-without replacement and relative judgment processes [from Wells, *American Psychologist*]

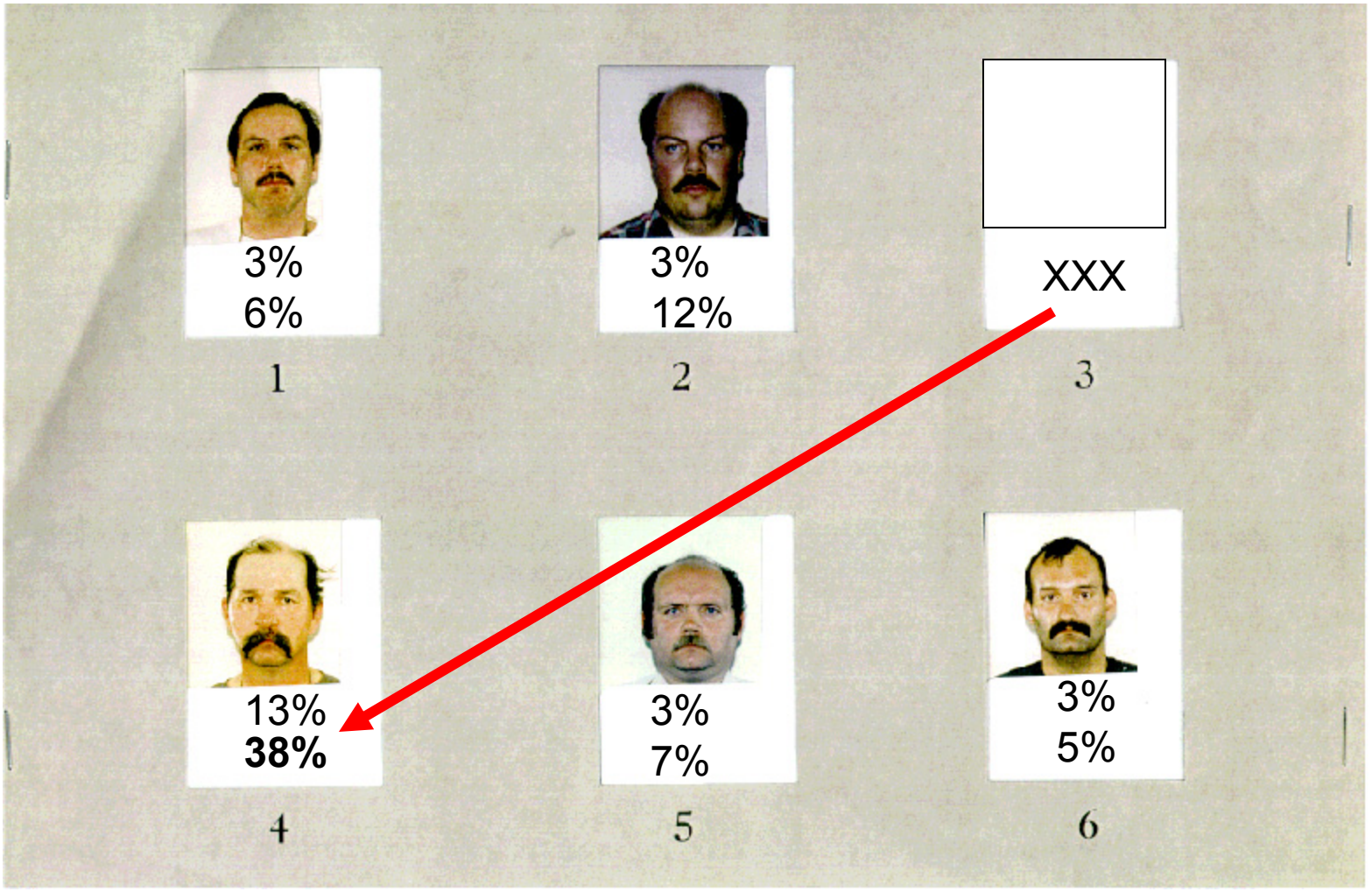


No choice = 21%

Removal-without replacement and relative judgment processes [from Wells, *American Psychologist*]




3%
3%
XXX
1
2
3
13
%
3%
3%
4
5
6
11%
No choice =
21%
32%



No choice =
21%
32%

The problem with the relative-judgment process is that some member will always look more like the perpetrator than the remaining members of the lineup; even when the actual perpetrator is not in the lineup.

The standard simultaneous procedure

1

2

3

4

5

6

Is this the man you saw pull the trigger? “yes, no, or not sure”

Is this the man you saw pull the trigger? “yes, no, or not sure”

Is this the man you saw pull the trigger? “yes, no, or not sure”

Is this the man you saw pull the trigger? “yes, no, or not sure”

Is this the man you saw pull the trigger? “yes, no, or not sure”

Is this the man you saw pull the trigger? “yes, no, or not sure”

Steblay, Dysart, & Wells

Psychology, Public Policy & Law, 2011

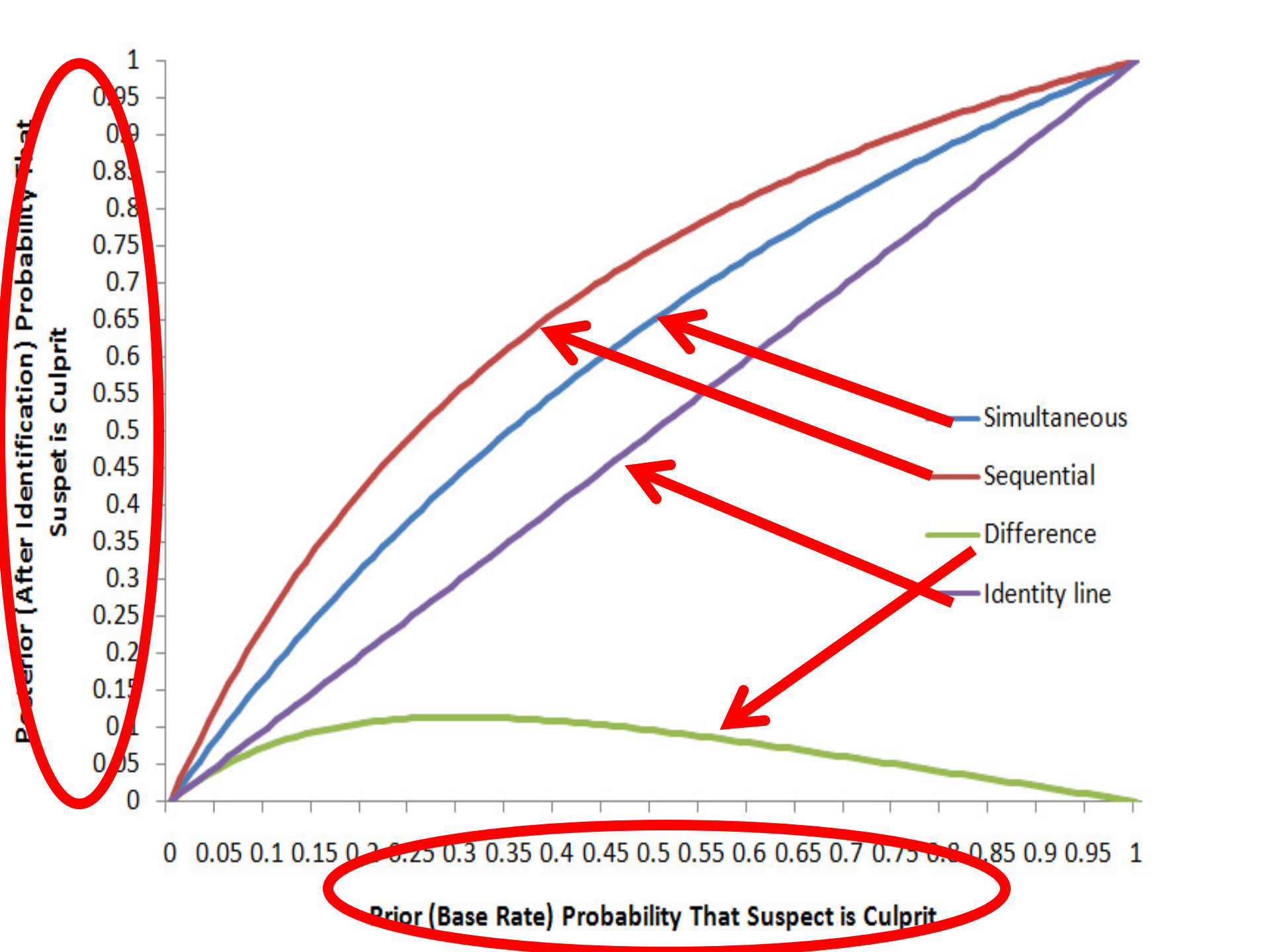
72 experimental tests using 13,143 participant-witnesses

Results:

Mistaken identifications from culprit-absent lineups were reduced by 22%

Identifications of the culprit were reduced by 8%

Diagnosticity ratios: 7.72 for sequential and 5.78 for simultaneous


Posterior (After Identification) Probability That Suspet is Culprit
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7 0.75 0.8 0.85 0.9 0.95 1
Prior (Base Rate) Probability That Suspect is Culprit
Simultaneous
Sequential
Difference
Identity line

What Happens with Actual Witnesses to Serious Crimes?

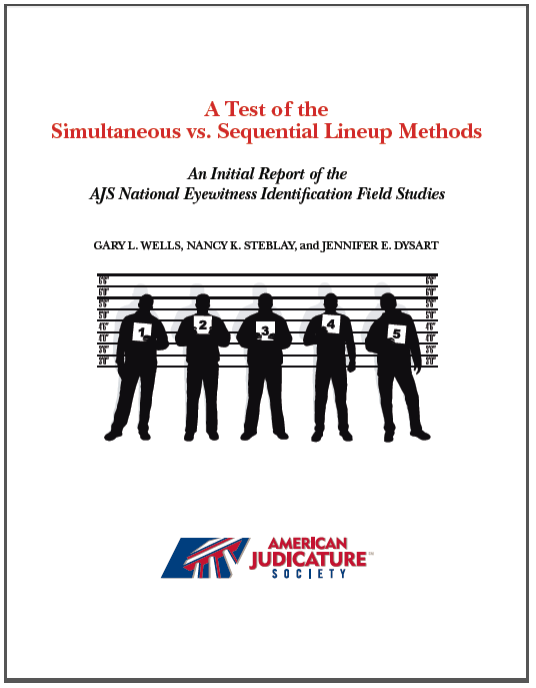
Many lab studies have used versions of the sequential that cannot or are not used in actual practice:

1. Backloading; Witness does not know how many to be viewed
2. Continuation procedure; Always go through the reminder, even if an identification is made on an earlier one
3. If more than one identification, let witness talk and resolve (but, a matter of record)
4. If witness requests a second “lap” then permit it (but, it is a matter of record…)

The Simultaneous versus Sequential Field Experiment (2011)

Four participating police departments:

1. Austin, TX
2. Charlotte, NC
3. San Diego, CA
4. Tucson, AZ



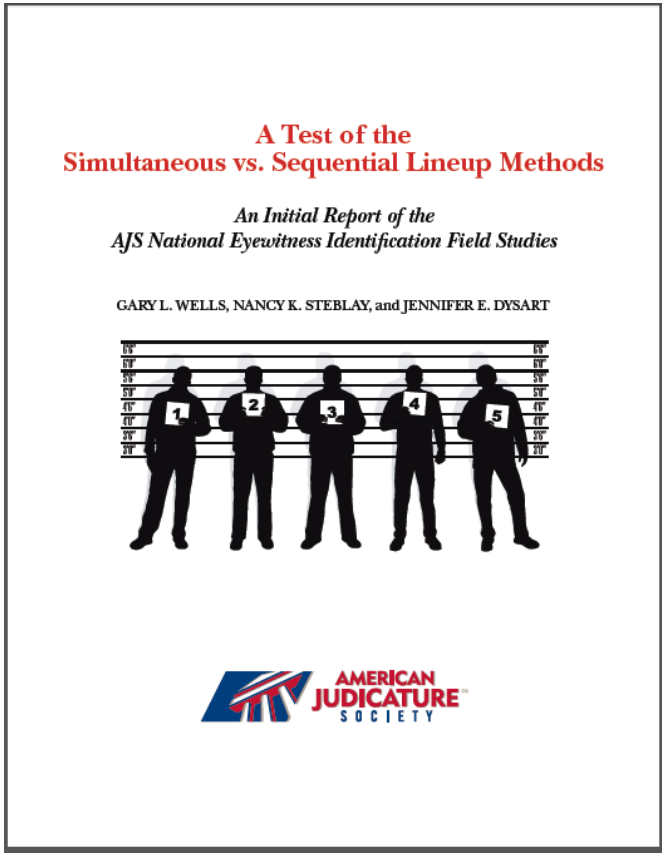
Funding:

1. Open Society Foundations
2. JEHT Foundation
3. Laura and John Arnold Foundation

The Simultaneous versus Sequential Field Experiment (2011)

Partners:

- Scientists:
  - Gary Wells
  - Nancy Steblay
  - Jen Dysart
- Organizations
  - American Judicature Society
  - Police Foundation
  - Innocence Project



Main Key Characteristics of the Study

- Photo lineups
- Administered by laptop computer
  - All instructions follow protocol
  - All responses automatically entered in record
  - Random assignment at last second to simultaneous or to sequential
  - Random assignment at last second to order
- All double blind
- Single suspect embedded among five known-innocent fillers

Plus…

1. Backloading; Witness does not know how many to be viewed
2. Continuation procedure; Always go through the reminder, even if an identification is made on an earlier one
3. If more than one identification, let witness talk and resolve (but, a matter of record)
4. If witness requests a second “lap” then permit it (but, it is a matter of record…)


You are viewing: Chad Wilson's Desktop
SHARING
SunGard Remote Lineup
SunGard Remote Lineup
HOUSTON POLICE DEPARTMENT
Lineups
Exit
SUNGARD PUBLIC SECTOR
System File Update
Volume Check
Adobe Reader Test
Network Connection (Connected)
11/04/2008 AZ
Copyright © 1994-2009, SUNGARD OSSI
start
Agenda Houston.doc ...
Client Entry - Window...
SunGard Remote Lineup
PISTOL Records Man...
Search Desktop
3:18 PM

Lineup Import

Unique Id

Search Lineup(s)

Clear Results

Lineups Available For Download

Lineup Id	Create Date	Case Id	Created By






Download Selected Lineup

Cancel

Lineup Import

Unique Id 913 Search Lineup(s) Clear Results

Lineups Available For Download			
Lineup Id	Create Date	Case Id	Created By
913			

LOOKINGBILL, KASSY (WF 02/14/1973)

HAYES, MARCY (WF 04/21/1971)

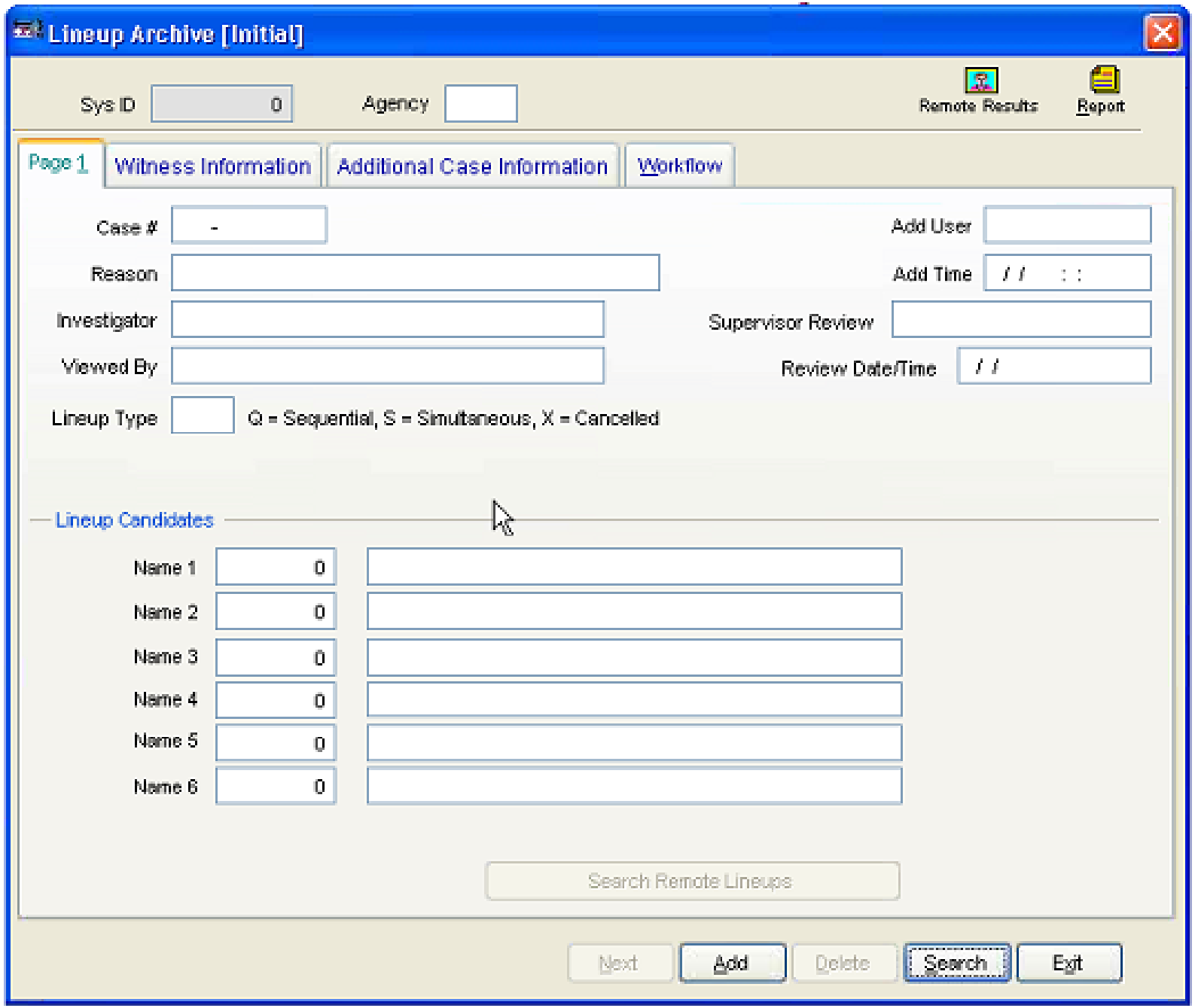
HAMMOND, ROBIN (WF 07/28/1962)

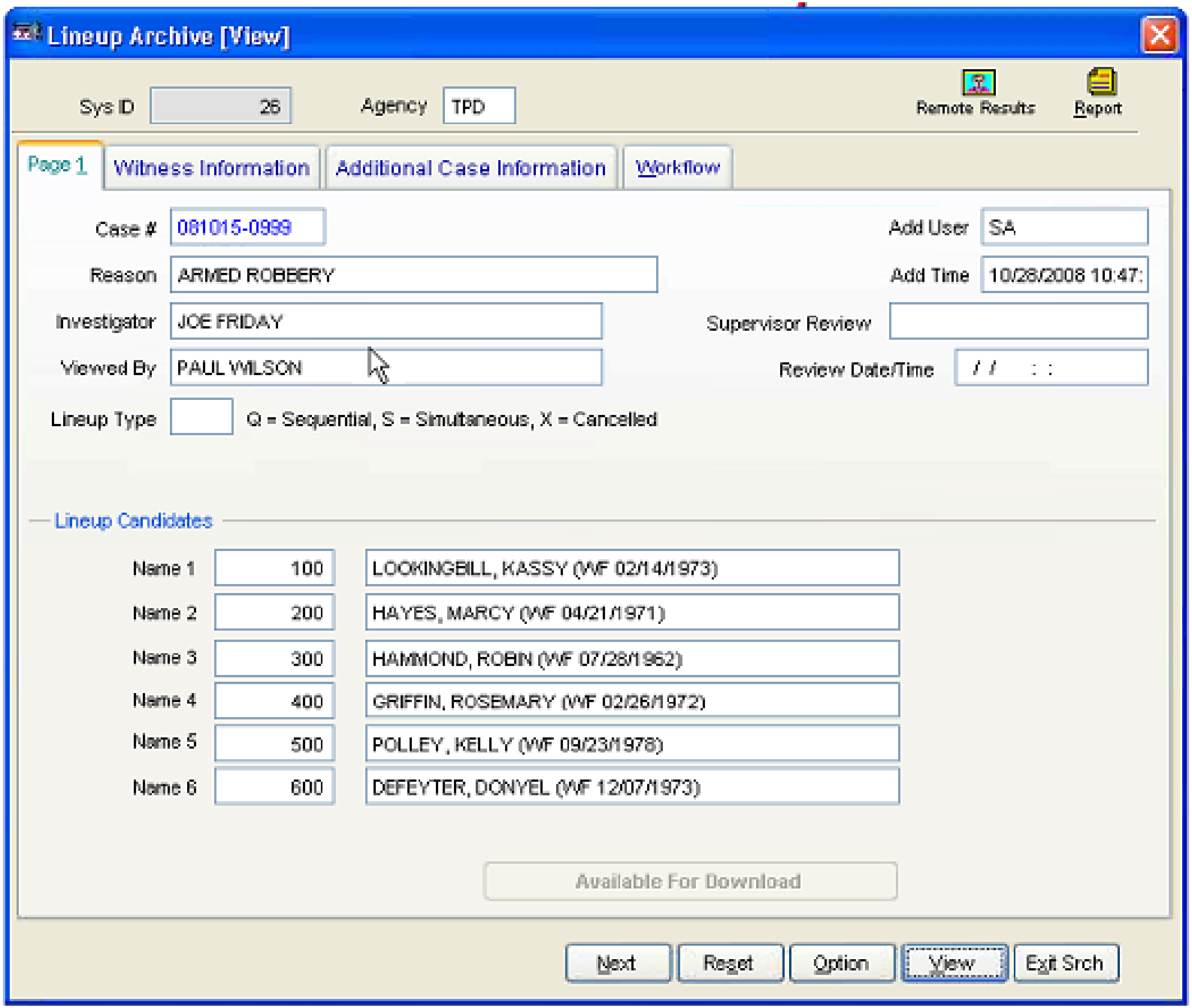
GRIFFIN, ROSEMARY (WF 02/26/1972)

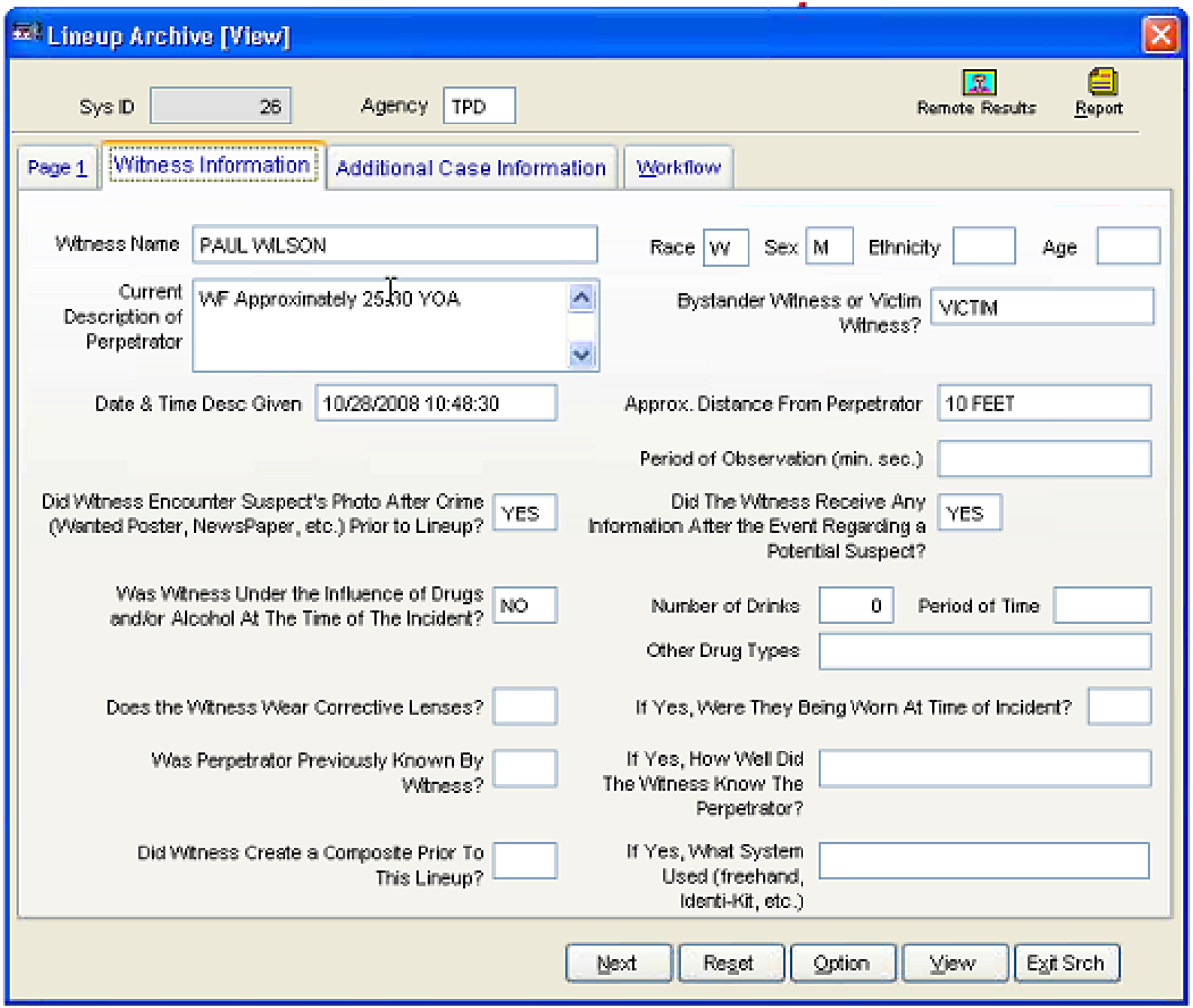
POLLEY, KELLY (WF 09/23/1978)

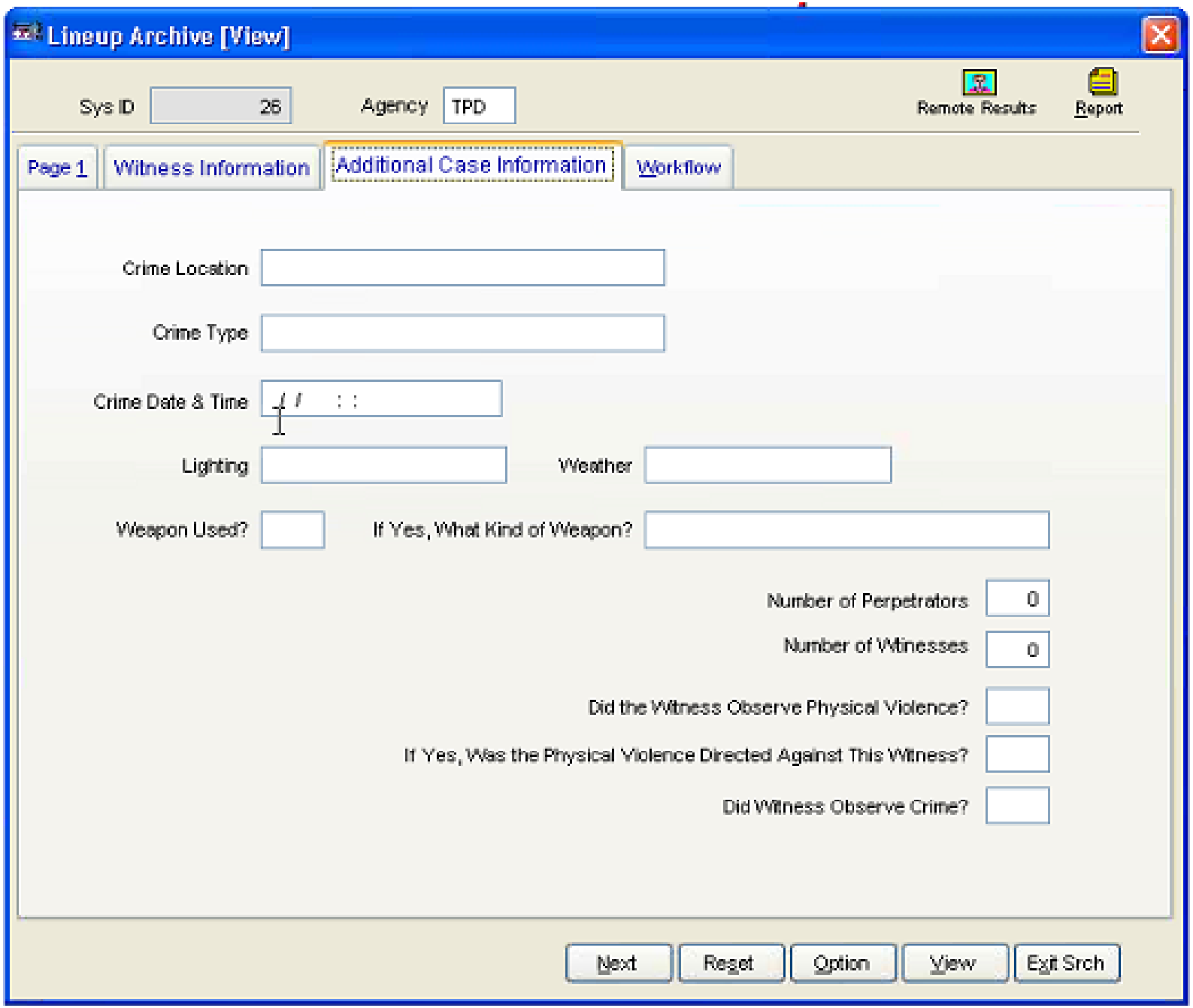
DEFEYTER, DONYEL (WF 12/07/1973)

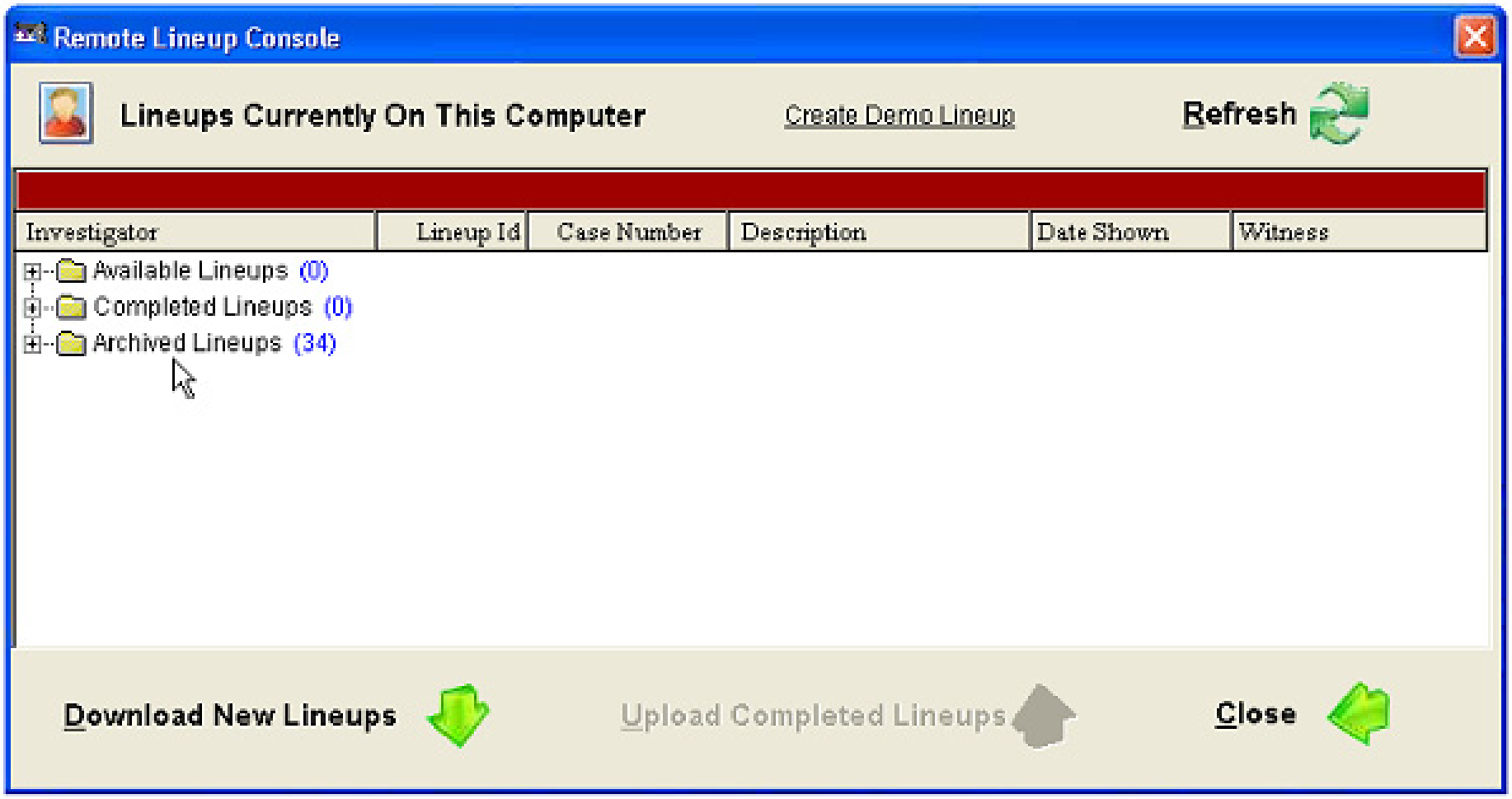
Download Selected Lineup Cancel

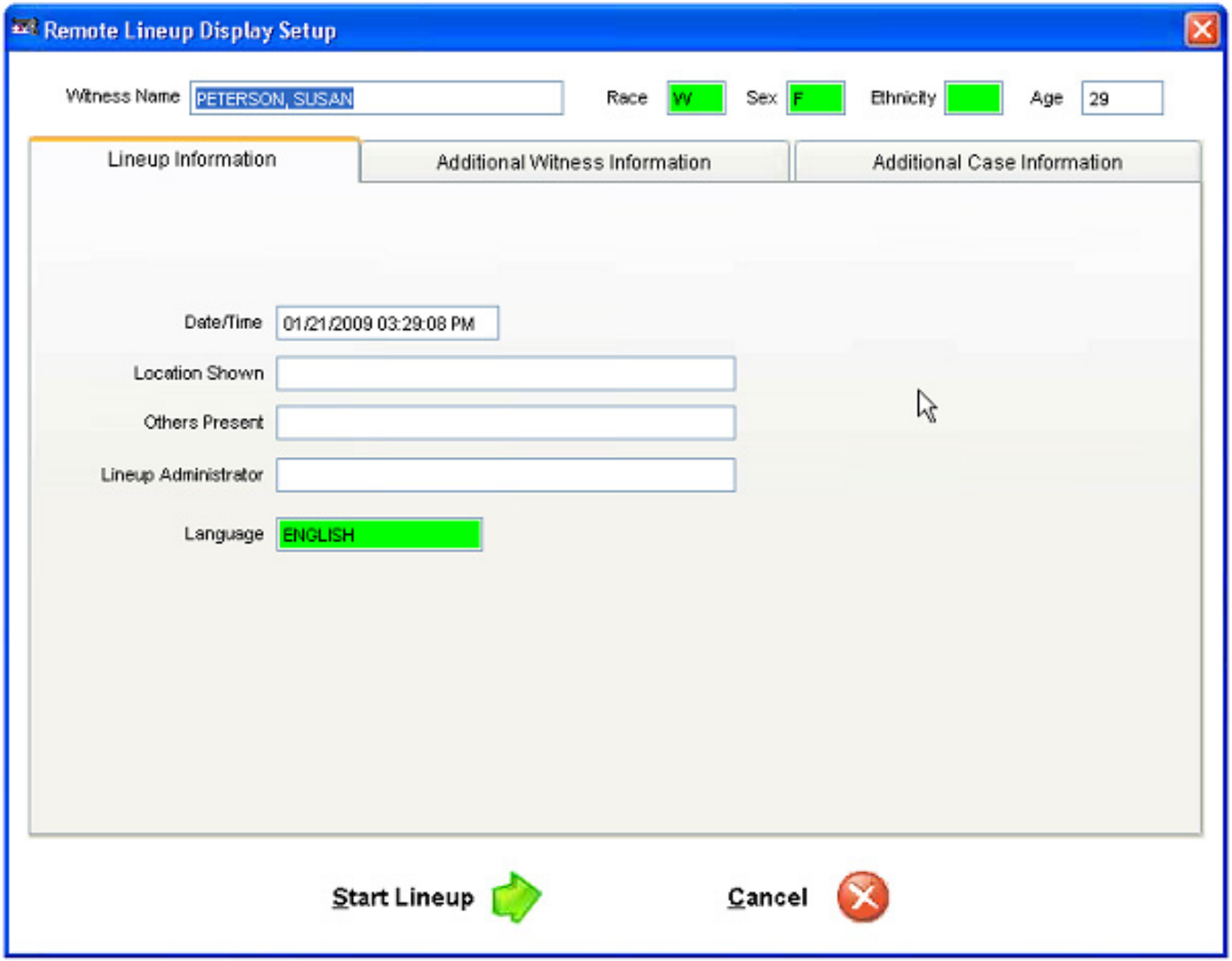

Lineup Archive [Initial]
Sys ID
0
Agency
Remote Results
Report
Page 1
Witness Information
Additional Case Information
Workflow
Case #
-
Add User
Reason
Add Time
/ / : :
Investigator
Supervisor Review
Viewed By
Review Date/Time
/ /
Lineup Type
Q = Sequential, S = Simultaneous, X = Cancelled
Lineup Candidates
Name 1
0
Name 2
0
Name 3
0
Name 4
0
Name 5
0
Name 6
0
Search Remote Lineups
Next
Add
Delete
Search
Exit

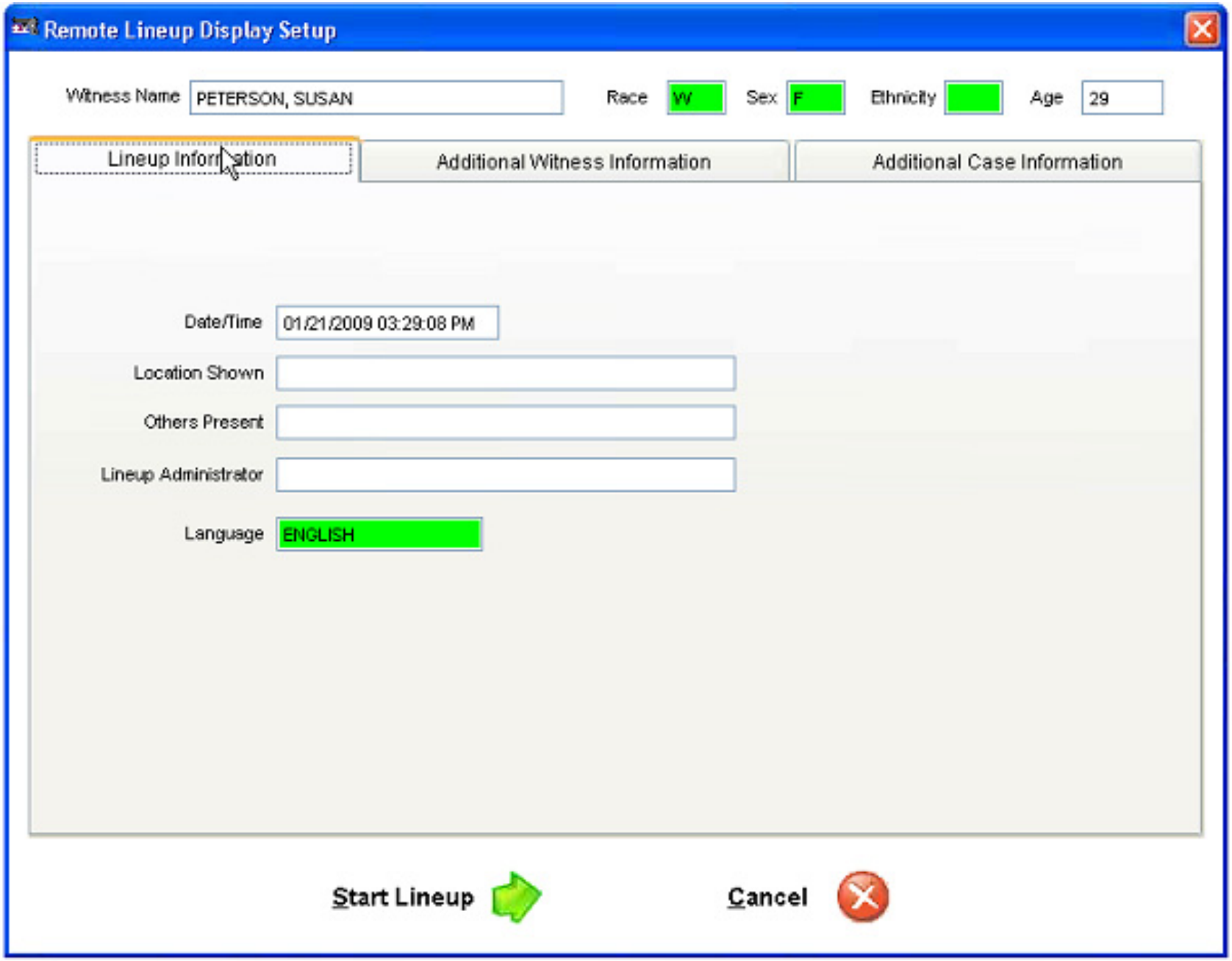

Lineup Archive [View]
Sys ID
26
Agency
TPD
Remote Results
Report
Page 1
Witness Information
Additional Case Information
Workflow
Case #
081015-0999
Add User
SA
Reason
ARMED ROBBERY
Add Time
10/28/2008 10:47:
Investigator
JOE FRIDAY
Supervisor Review
Viewed By
PAUL WILSON
Review Date/Time
/ / : :
Lineup Type
Q = Sequential, S = Simultaneous, X = Cancelled
Lineup Candidates
Name 1
100
LOOKINGBILL, KASSY (WF 02/14/1973)
Name 2
200
HAYES, MARCY (WF 04/21/1971)
Name 3
300
HAMMOND, ROBIN (WF 07/28/1962)
Name 4
400
GRIFFIN, ROSEMARY (WF 02/26/1972)
Name 5
500
POLLEY, KELLY (WF 09/23/1978)
Name 6
600
DEFEYTER, DONYEL (WF 12/07/1973)
Available For Download
Next
Reset
Option
View
Exit Srch

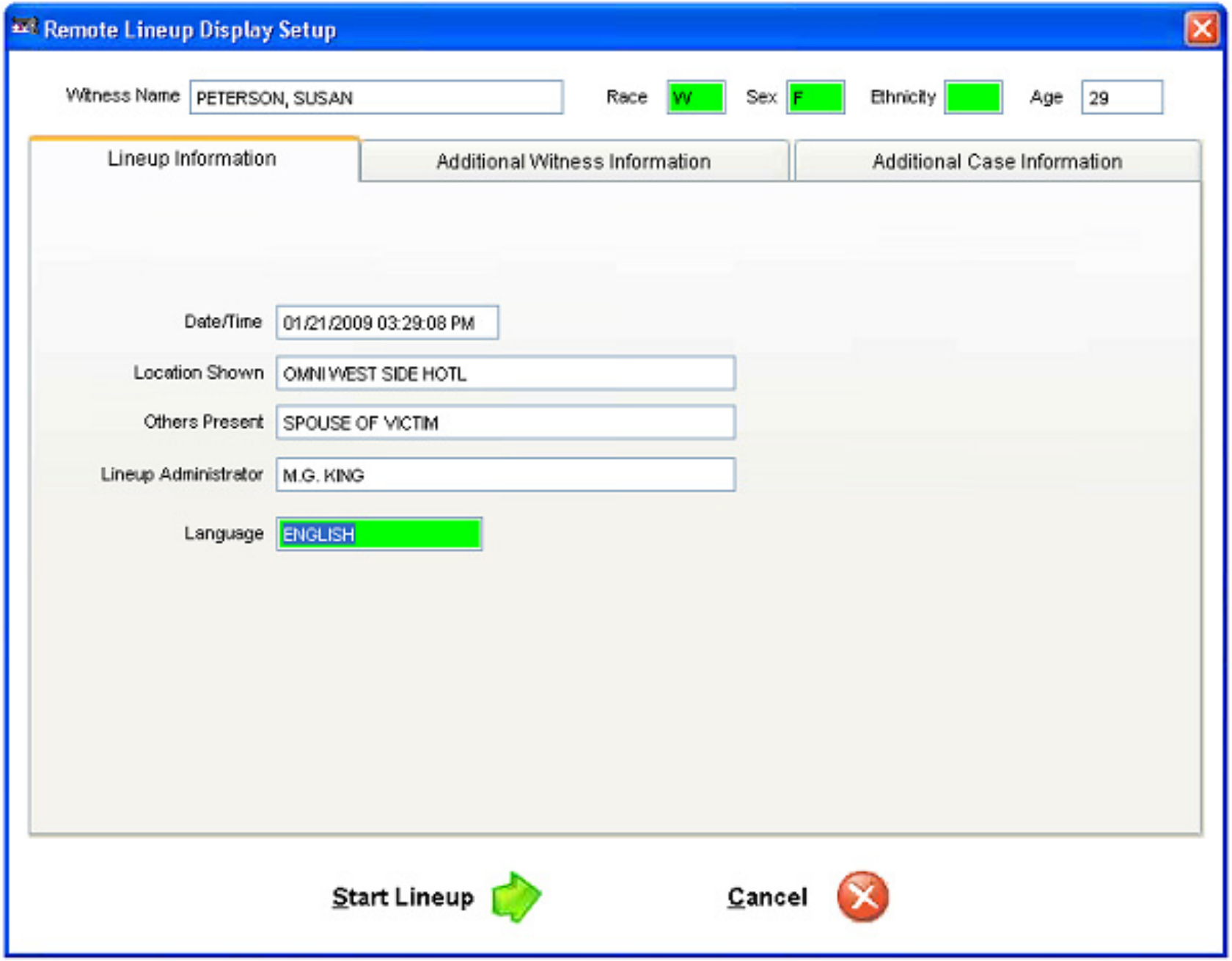

Lineup Archive [View]
Sys ID
26
Agency
TPD
Remote Results
Report
Page 1
Witness Information
Additional Case Information
Workflow
Witness Name
PAUL WILSON
Race
W
Sex
M
Ethnicity
Age
Current Description of Perpetrator
WF Approximately 25-30 YOA
Bystander Witness or Victim Witness?
VICTIM
Date & Time Desc Given
10/28/2008 10:48:30
Approx. Distance From Perpetrator
10 FEET
Period of Observation (min. sec.)
Did Witness Encounter Suspect's Photo After Crime (Wanted Poster, NewsPaper, etc.) Prior to Lineup?
YES
Did The Witness Receive Any Information After the Event Regarding a Potential Suspect?
YES
Was Witness Under the Influence of Drugs and/or Alcohol At The Time of The Incident?
NO
Number of Drinks
0
Period of Time
Other Drug Types
Does the Witness Wear Corrective Lenses?
If Yes, Were They Being Worn At Time of Incident?
Was Perpetrator Previously Known By Witness?
If Yes, How Well Did The Witness Know The Perpetrator?
Did Witness Create a Composite Prior To This Lineup?
If Yes, What System Used (freehand, Identi-Kit, etc.)
Next
Reset
Option
View
Exit Srch

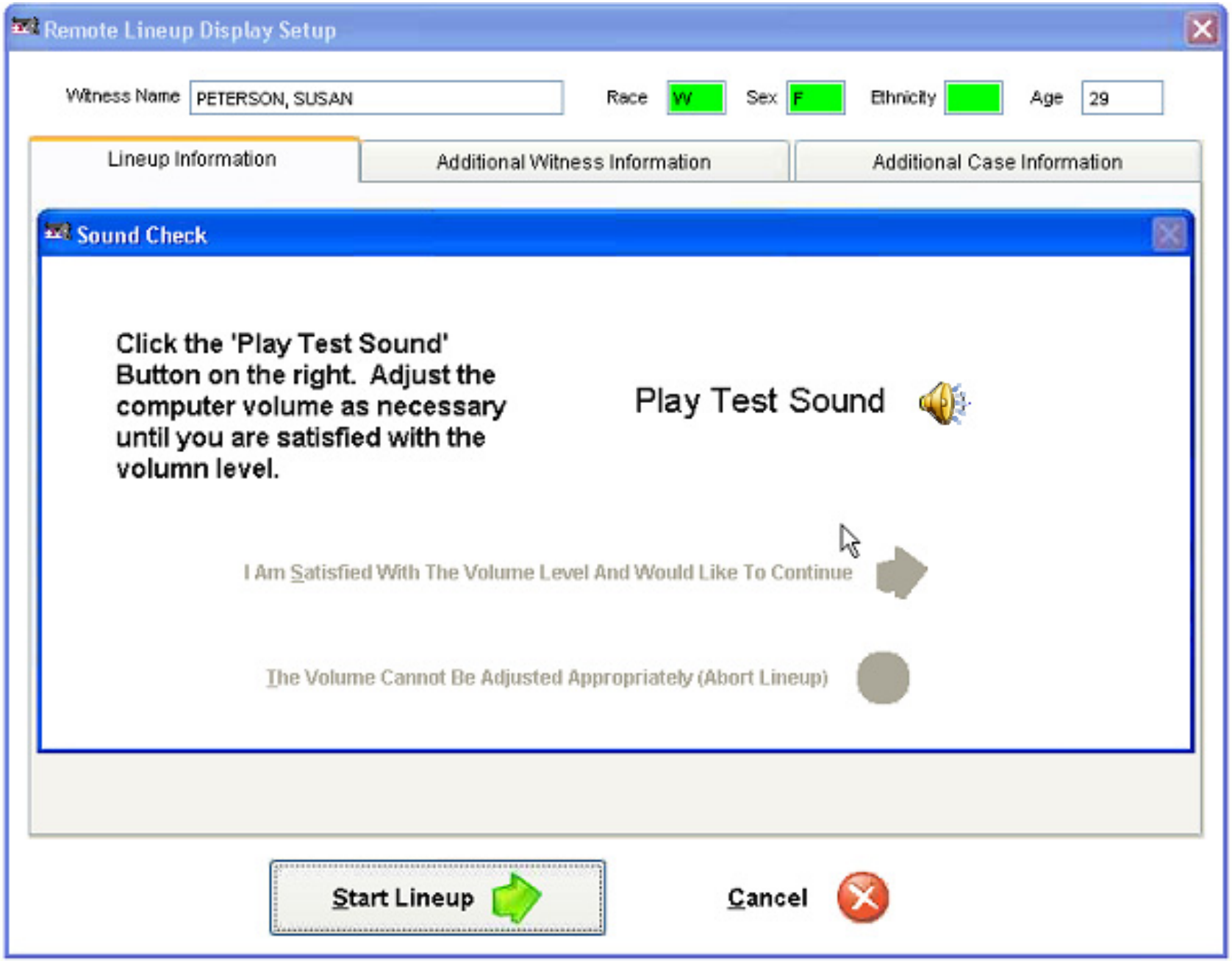

Lineup Archive [View]
Sys ID
26
Agency
TPD
Remote Results
Report
Page 1
Witness Information
Additional Case Information
Workflow
Crime Location
Crime Type
Crime Date & Time
/ / : :
Lighting
Weather
Weapon Used?
If Yes, What Kind of Weapon?
Number of Perpetrators
0
Number of Witnesses
0
Did the Witness Observe Physical Violence?
If Yes, Was the Physical Violence Directed Against This Witness?
Did Witness Observe Crime?
Next
Reset
Option
View
Exit Srch


Remote Lineup Console
Lineups Currently On This Computer
Create Demo Lineup
Refresh
Investigator
Lineup Id
Case Number
Description
Date Shown
Witness
Available Lineups (0)
Completed Lineups (0)
Archived Lineups (34)
Download New Lineups
Upload Completed Lineups
Close


Remote Lineup Display Setup
Witness Name
PETERSON, SUSAN
Race
W
Sex
F
Ethnicity
Age
29
Lineup Information
Additional Witness Information
Additional Case Information
Date/Time
01/21/2009 03:29:08 PM
Location Shown
Others Present
Lineup Administrator
Language
ENGLISH
Start Lineup
Cancel


Remote Lineup Display Setup
Witness Name
PETERSON, SUSAN
Race
W
Sex
F
Ethnicity
Age
29
Lineup Information
Additional Witness Information
Additional Case Information
Date/Time
01/21/2009 03:29:08 PM
Location Shown
Others Present
Lineup Administrator
Language
ENGLISH
Start Lineup
Cancel


Remote Lineup Display Setup
Witness Name
PETERSON, SUSAN
Race
W
Sex
F
Ethnicity
Age
29
Lineup Information
Additional Witness Information
Additional Case Information
Date/Time
01/21/2009 03:29:08 PM
Location Shown
OMNI WEST SIDE HOTL
Others Present
SPOUSE OF VICTIM
Lineup Administrator
M.G. KING
Language
ENGLISH
Start Lineup
Cancel


Remote Lineup Display Setup
Witness Name
PETERSON, SUSAN
Race
W
Sex
F
Ethnicity
Age
29
Lineup Information
Additional Witness Information
Additional Case Information
Sound Check
Click the 'Play Test Sound' Button on the right. Adjust the computer volume as necessary until you are satisfied with the volumn level.
Play Test Sound
I Am Satisfied With The Volume Level And Would Like To Continue
The Volume Cannot Be Adjusted Appropriately (Abort Lineup)
Start Lineup
Cancel

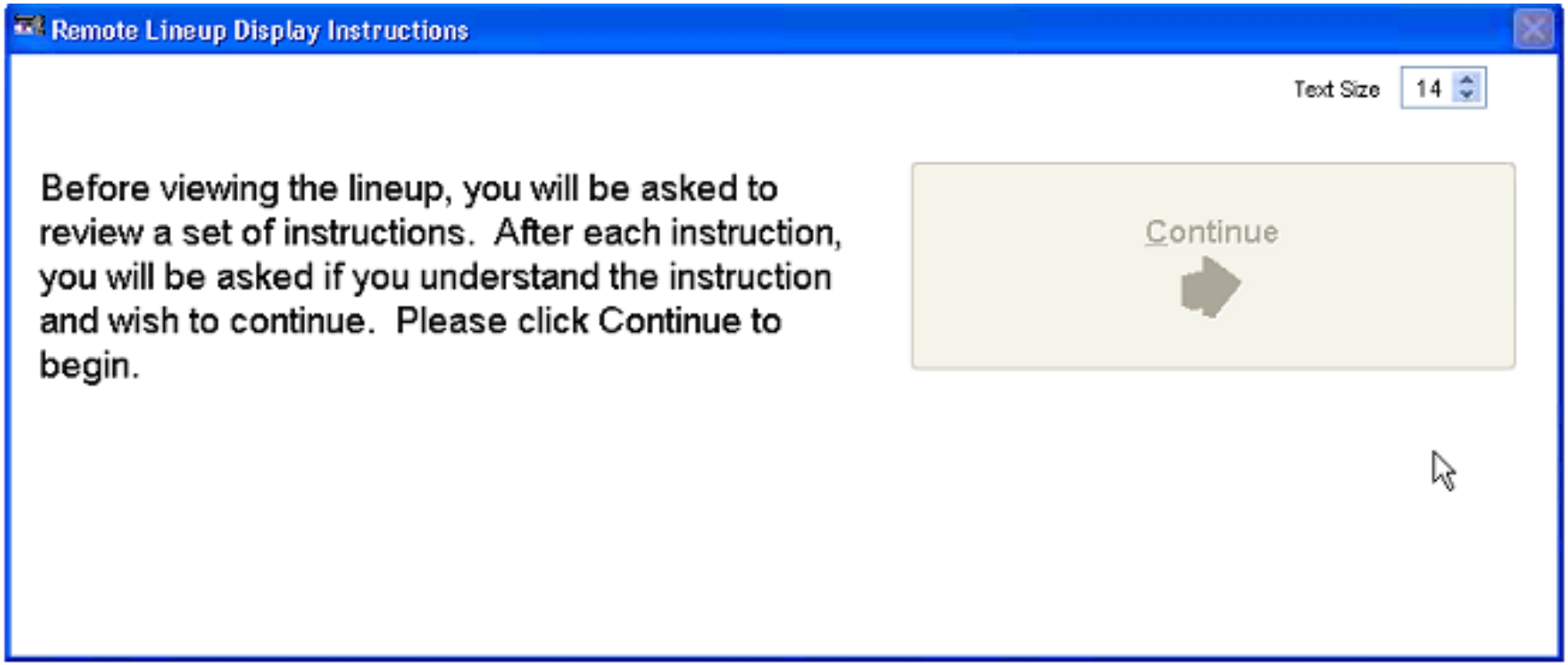
The presentation will start in

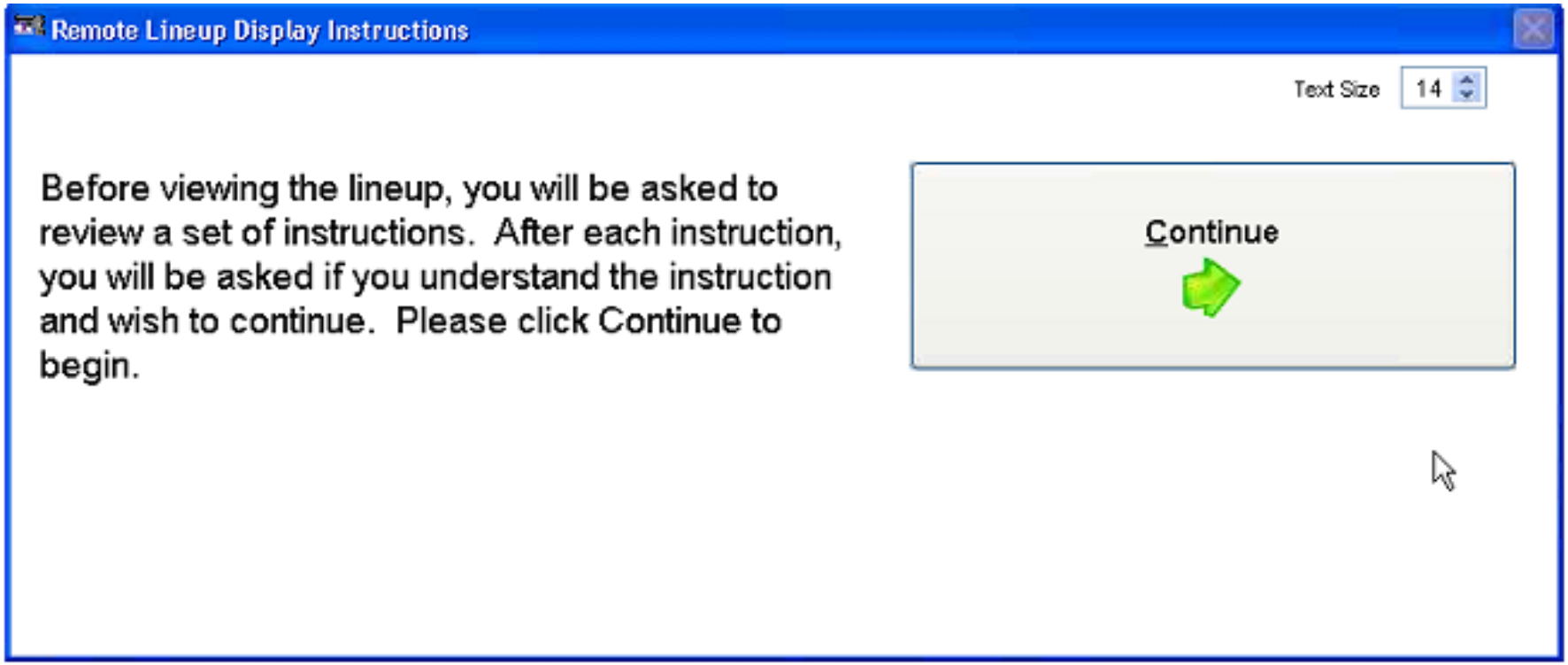
4

Seconds

Please give control of the computer to the witness.

Pause


Remote Lineup Display Instructions
Text Size
14
Before viewing the lineup, you will be asked to review a set of instructions. After each instruction, you will be asked if you understand the instruction and wish to continue. Please click Continue to begin.
Continue


Remote Lineup Display Instructions
Text Size
14
Before viewing the lineup, you will be asked to review a set of instructions. After each instruction, you will be asked if you understand the instruction and wish to continue. Please click Continue to begin.
Continue

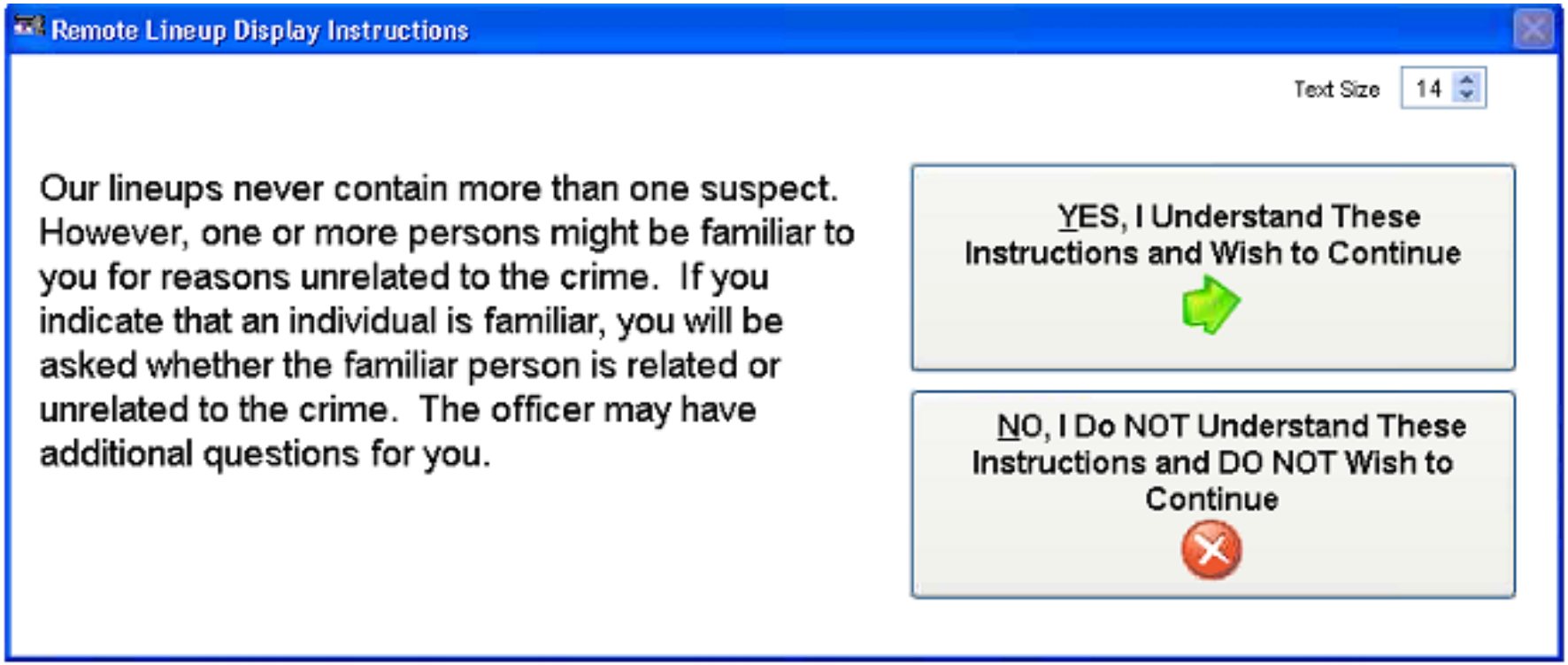
Remote Lineup Display Instructions

Text Size 14

Our lineups never contain more than one suspect. However, one or more persons might be familiar to you for reasons unrelated to the crime. If you indicate that an individual is familiar, you will be asked whether the familiar person is related or unrelated to the crime. The officer may have additional questions for you.

YES, I Understand These Instructions and Wish to Continue

NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue


Remote Lineup Display Instructions
Text Size
14
Our lineups never contain more than one suspect. However, one or more persons might be familiar to you for reasons unrelated to the crime. If you indicate that an individual is familiar, you will be asked whether the familiar person is related or unrelated to the crime. The officer may have additional questions for you.
YES, I Understand These Instructions and Wish to Continue
NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue

Remote Lineup Display Instructions

Text Size 14

The photos will be displayed to you as a group of six and you will be asked if any of the individuals look familiar to you. Even if you identify someone, you will be returned to the lineup and asked if any other individuals look familiar.

YES, I Understand These Instructions and Wish to Continue

NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue

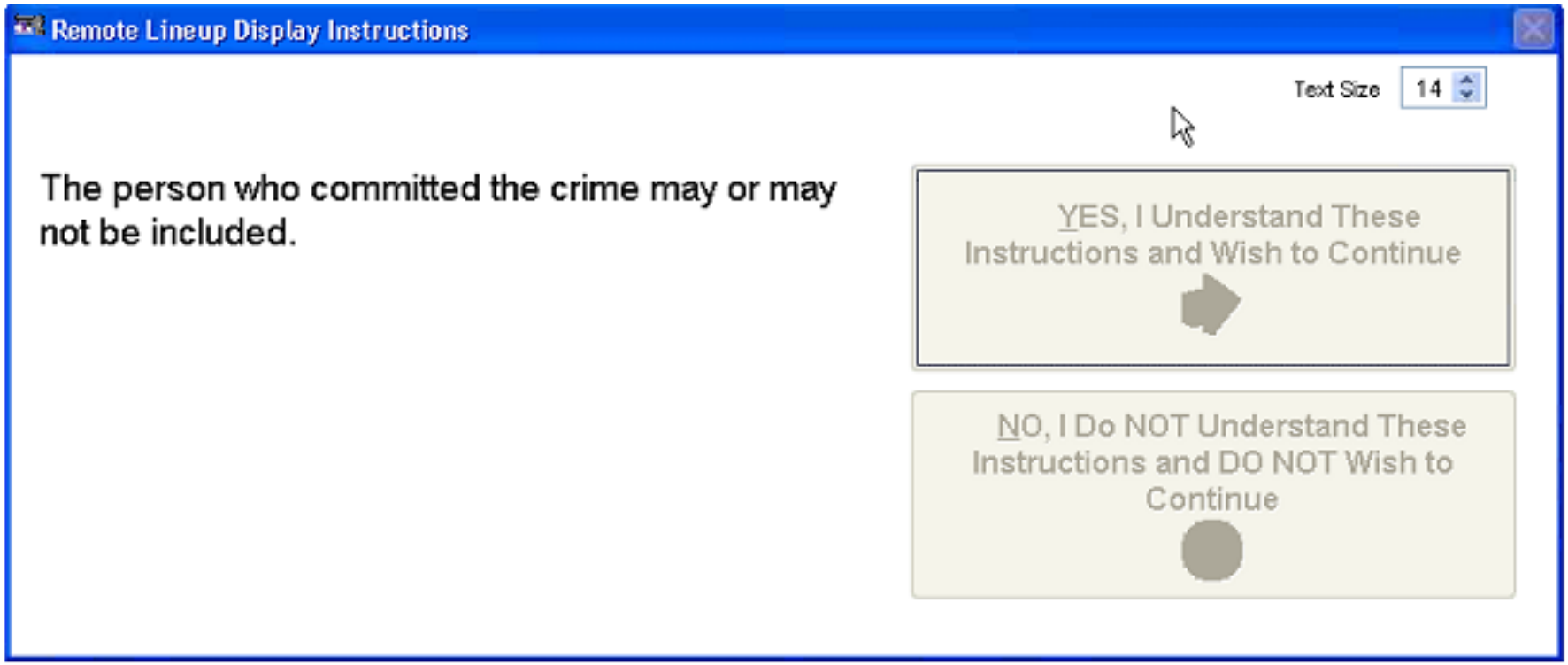
Remote Lineup Display Instructions

Text Size 14

The photographs will not be in any particular order. You should take as much time as you need to look at the photos.

YES, I Understand These Instructions and Wish to Continue

NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue


Remote Lineup Display Instructions
Text Size
14
The person who committed the crime may or may not be included.
YES, I Understand These Instructions and Wish to Continue
NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue

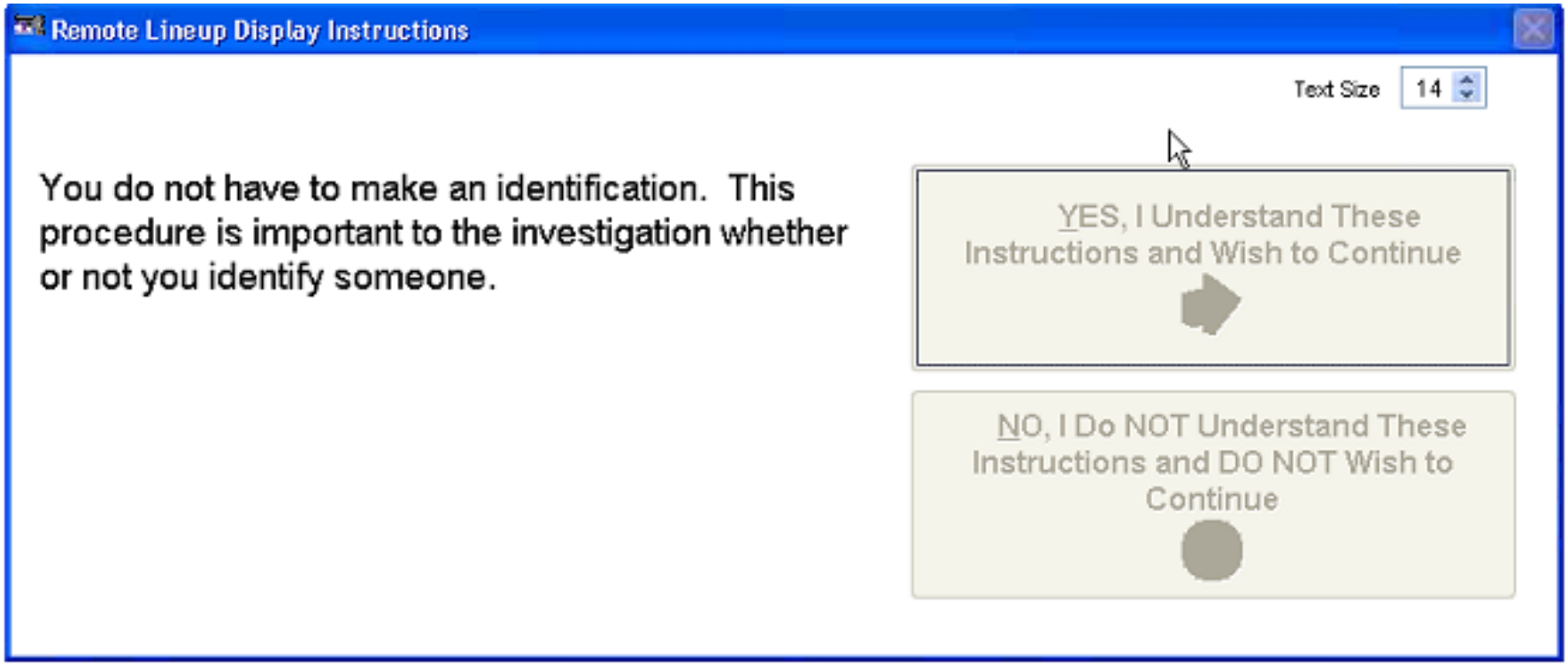
Remote Lineup Display Instructions

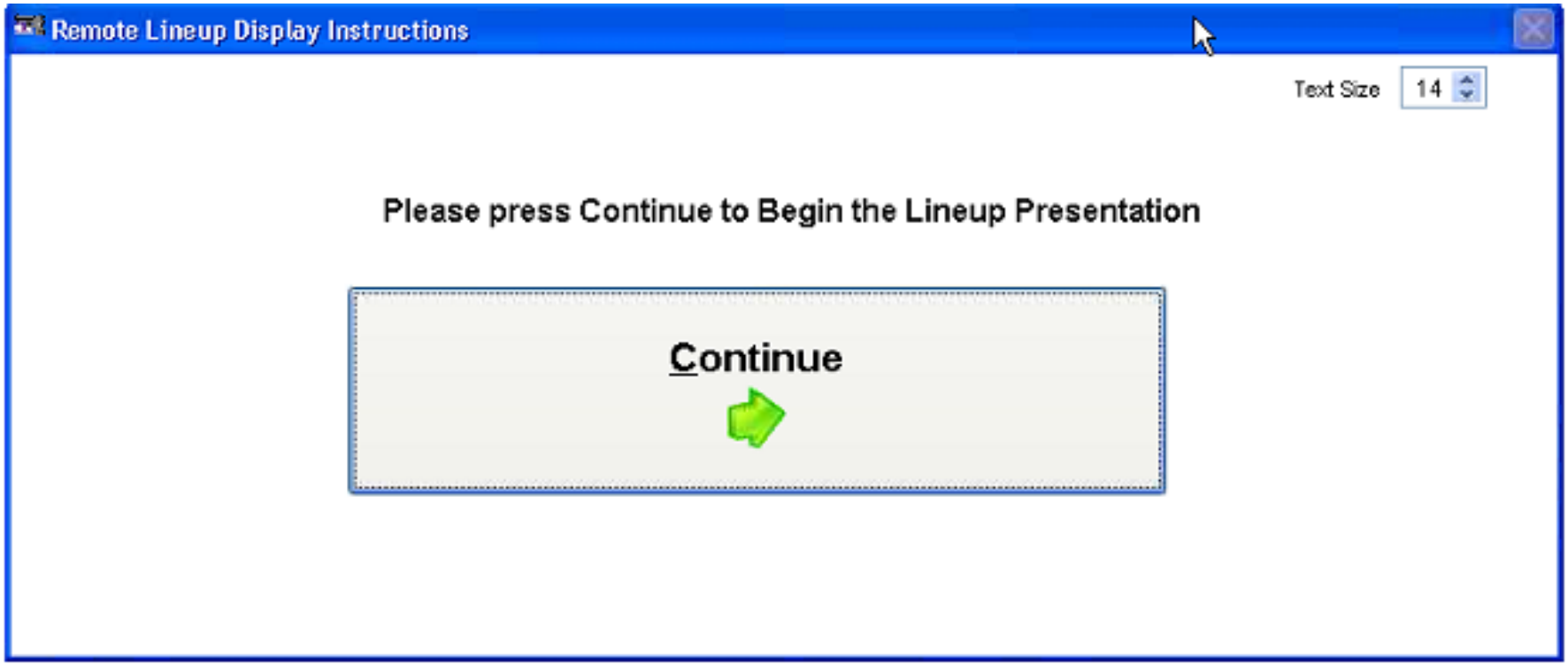
Text Size 14

Keep in mind that things like hairstyles, beards, and mustaches can be easily changed and that complexion colors may look slightly different in photographs.

YES, I Understand These Instructions and Wish to Continue

NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue


Remote Lineup Display Instructions
Text Size
14
You do not have to make an identification. This procedure is important to the investigation whether or not you identify someone.
YES, I Understand These Instructions and Wish to Continue
NO, I Do NOT Understand These Instructions and DO NOT Wish to Continue


Remote Lineup Display Instructions
Text Size
14
Please press Continue to Begin the Lineup Presentation
Continue

Do Any Of These Individuals Look Familiar To You?

Yes | No | Not Sure

1

2

3

4

5

6

Do Any Of These Individuals Look Familiar To You?

Confirm 'YES' and Continue

Go Back

1

2

3

4

5

6

Click the Photo of the Person Familiar To You

Go Back

1

2

3

4

5

6

You indicated that this person looks familiar to you. Do you recognize this person for reasons related to the crime or unrelated to the crime?

Related to the Crime | Not Related to the Crime

1

2

3

4

5

6

You indicated that this person looks familiar to you.
Do you recognize this person for reasons related to the crime or unrelated to the crime?

Confirm Related to the Crime

Go Back

1

2

3

4

5

6

The officer would like to ask you some questions about your response.
Please do not proceed until asked to do so by the officer.

Continue

1

2

3

4

5

6

Do Any Other Of These Individuals Look Familiar To You? Yes No Not Sure

1

2

3

4

5

6

End Lineup Presentation

Go Back

1

2

3

4

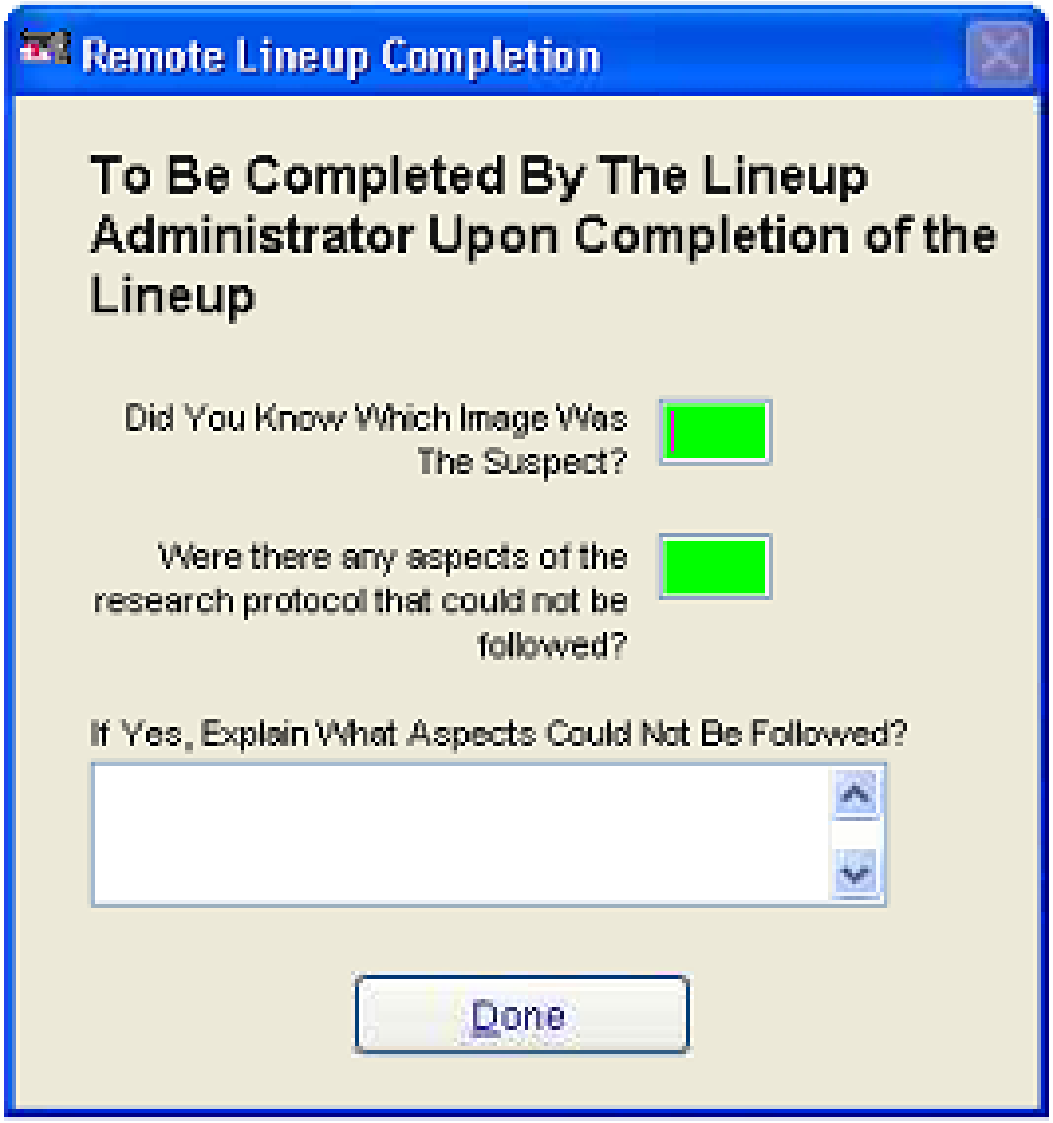
5

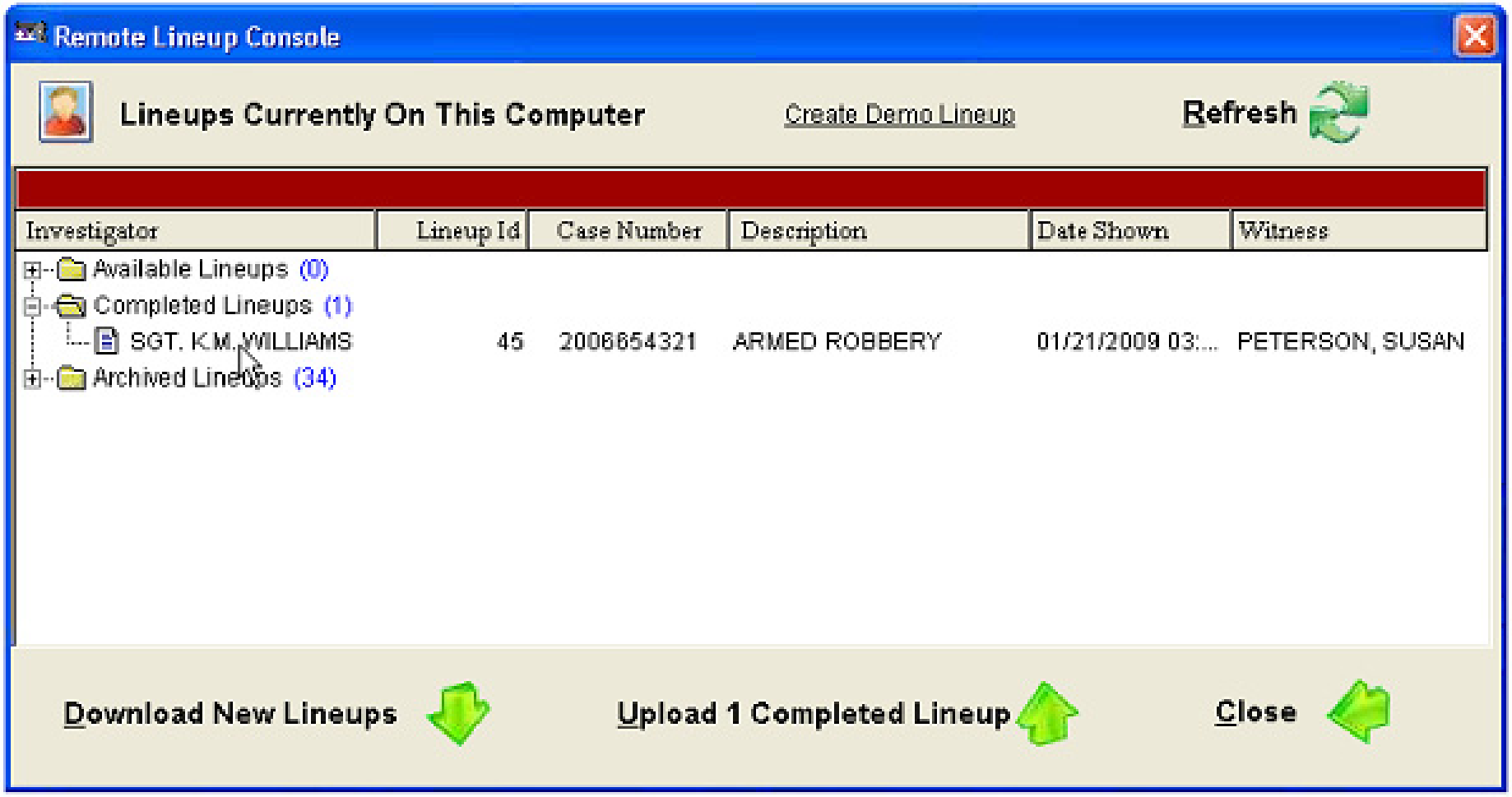
6

SUNGARD PUBLIC SECTOR

Thank You. The lineup process has been completed. The officer will take control of the computer.

End Lineup


Remote Lineup Completion
To Be Completed By The Lineup Administrator Upon Completion of the Lineup
Did You Know Which Image Was The Suspect?
Were there any aspects of the research protocol that could not be followed?
If Yes, Explain What Aspects Could Not Be Followed?
Done


Remote Lineup Console
Lineups Currently On This Computer
Create Demo Lineup
Refresh
Investigator
Lineup Id
Case Number
Description
Date Shown
Witness
Available Lineups (0)
Completed Lineups (1)
SGT. K.M. WILLIAMS
45
2006654321
ARMED ROBBERY
01/21/2009 03:...
PETERSON, SUSAN
Archived Lineups (34)
Download New Lineups
Upload 1 Completed Lineup
Close

Austin Police Department

01/21/2009 15:40

Case Id: 2006654321

Investigator: SGT. K.M. WILLIAMS

Shown By: M.G. KING

Viewed By: PETERSON, SUSAN

Location Shown: OMNI WEST SIDE HOTL

Others Present: SPOUSE OF VICTIM

Lineup Language: ENGLISH

Lineup Type: SIMULTANEOUS

Time Shown: 01/21/2009 03:29:08 PM

Start Time: 01/21/2009 03:32:31 PM

End Time: 01/21/2009 03:40:50 PM

Lineup Id: 45

Multiple Yes Responses ?: No

*** Image(s) Familiar To Victim/Witness:** 5

Position		Name
1		DAVIS, CHRISTINE (WF 10/11/1971)

		
3		JOHNSON, PAULA (WF 03/17/1972)
4		WILLIAMS, BARBARA (WF 09/29/1972)
5 *		KING, PATRICIA (WF 02/18/1969)
6		SMITH, ANGELA (WF 04/01/1970)

☐ Lineup Suspect

Austin Police Department

01/21/2009 15:40

Case Id: 2006654321 **Lineup Created By:** SA

Lineup Id: 45 **Date/Time Created:**

Witness: PETERSON, SUSAN **Witness Type:** VICTIM

Race: W **Sex:** F **Ethnicity:** **Age:** 29

Witness Description of Perpetrator

Date/Time of Description :

Period of Observation :

Approximate Distance From Perp. :

Description:

WF Approx 23 YOA

Austin Police Department

01/21/2009 15:40

Case Id: 2006654321

Lineup Id: 45

Lineup Created By: SA

Date/Time Created:

Additional Case Information

Crime Location : MCDONALDS, ELM ST

Crime Type : ARMED ROBBERY

Crime Date:

Weapon Used (Y/N) : YES **If Yes, What Type of Weapon :** YES

Environmental Information

Environmental Information

Lighting : INDOOR

Weather :

Other

Number of Perpetrators: 1

Number of Witnesses: 2

Did Witness Observe Physical Violence? : YES

If Yes, Was the Physical Violence Directed Against the Witness : NO

Did the Witness Observe the Crime? : YES

Austin Police Department

01/21/2009 15:40

Case Id: 2006654321

Lineup Id: 45

Lineup Created By: SA

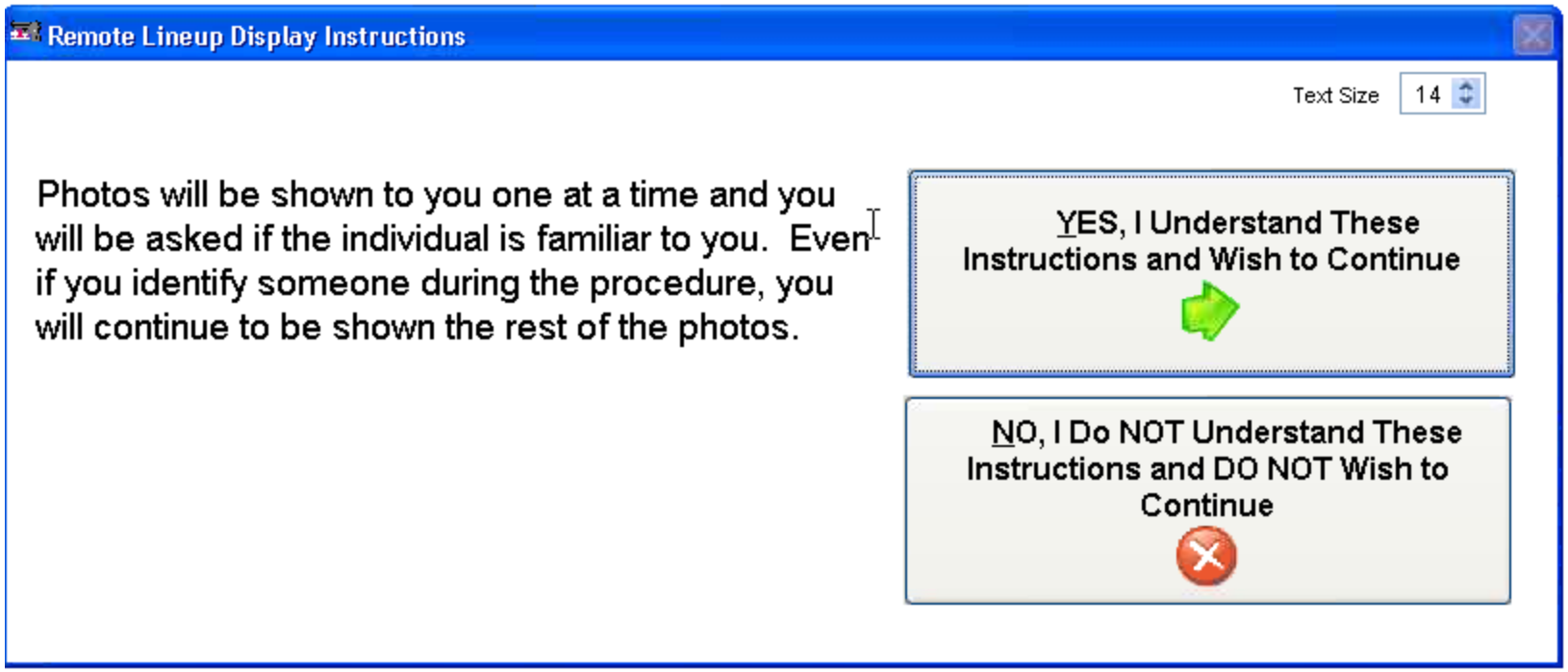
Date/Time Created:

Lineup Viewing Duration: 4 Min. 57 Sec.

Witness Lineup Activity Log

01/21/2009 03:37:22 PM: Responded 'Yes' to the question 'Do Any Of These Individuals Look Familiar To You?
01/21/2009 03:37:42 PM: Selected 'Confirm 'YES' and Continue' button.
01/21/2009 03:37:52 PM: Selected Image # 5 when asked to select the image familiar to the witness.
01/21/2009 03:38:14 PM: Selected 'Related to the Crime' when asked 'You indicated that this person looks familiar to you. Do you recognize this person for reasons related to the crime or unrelated to the crime?
01/21/2009 03:38:21 PM: Selected 'Confirm Related to the Crime' button
01/21/2009 03:39:47 PM: Activated the 'Continue' button
01/21/2009 03:40:44 PM: Responded 'No' To Question 'Do Any Other Of These Individuals Look Familiar To You?'
01/21/2009 03:40:46 PM: Selected 'Confirm 'NO' and Continue' button.
01/21/2009 03:40:50 PM: Activated the 'End Lineup Presentation' button to End Presentation

For sequential, the only difference in instructions was this one:



Does This Person Look Familiar To You?

Yes | No | Not Sure

1

Does This Person Look Familiar To You?

Confirm 'NO' and Continue

Go Back

1

Does This Person Look Familiar To You?

Yes | No | Not Sure

2

Does This Person Look Familiar To You?

Yes | No | Not Sure

3

Does This Person Look Familiar To You?

Confirm 'YES' and Continue

Go Back

3

You indicated that this person looks familiar to you. Do you recognize this person for reasons related to the crime or unrelated to the crime?

Related to the Crime

Not Related to the Crime

3

You indicated that this person looks familiar to you. Do you recognize this person for reasons related to the crime or unrelated to the crime?

Continue

3

The officer would like to ask you some questions about your response. Please do not proceed until asked to do so by the officer.

Continue

3

Does This Person Look Familiar To You?

Confirm 'NOT SURE' and Continue

Go Back

4

The officer would like to ask you some questions about your response. Please do not proceed until asked to do so by the officer.

Confirm 'NOT SURE' and Continue

4

The officer would like to ask you some questions about your response. Please do not proceed until asked to do so by the officer.

Continue

4

The officer would like to ask you some questions about your response. Please do not proceed until asked to do so by the officer.

Continue

4

Does This Person Look Familiar To You?

Yes | No | Not Sure

5

Does This Person Look Familiar To You?

Yes | No | Not Sure

6

Does This Person Look Familiar To You?

Confirm 'NO' and Continue

Go Back

6


Done

You are viewing: Chad Wilson's Desktop

SHARING

SunGard Remote Lineup - 01/21/2009 03:46:31 PM

Processing...

SUNGARD PUBLIC SECTOR

Thank You. The lineup process has been completed. The lineup administrator will take control of the computer.

End Lineup

start | Agenda Houston.doc ... | Client Entry - Window... | SunGard Remote Line... | PISTOL Records Man... | Search Desktop | 3:51 PM

Austin Police Department

01/21/2009 15:51

Case Id: 2006654321

Investigator: SGT. K.M. WILLIAMS

Shown By: LT. J.L. KING

Viewed By: PETERSON, SUSAN

Location Shown: OMNI WEST SIDE HOTEL

Others Present: NO OTHERS

Lineup Language: ENGLISH

Lineup Type: SEQUENTIAL

Time Shown: 01/21/2009 03:45:40 PM

Start Time: 01/21/2009 03:46:22 PM

End Time: 01/21/2009 03:51:32 PM

Lineup Id: 46

Multiple Yes Responses ?: No

*** Image Selected By Victim/Witness:** 3

Position		Name
1		DAVIS, CHRISTINE (WF 10/11/1971)

* Image Selected By Victim/Witness: 3

Position		Name
1		DAVIS, CHRISTINE (WF 10/11/1971)
2		SMITH, ANGELA (WF 04/01/1970)
* 3		WILLIAMS, BARBARA (WF 09/29/1972)
4		JOHNSON, PAULA (WF 03/17/1972)
5		KING, PATRICIA (WF 02/18/1969)
6		JONES, WENDY (WF 02/02/1970)

Statement of Crime (Question Presented to the Victim/Witness During Image Viewing):

Does This Person Look Familiar To You?

Image Responses:

Image 1) (1) NO
Image 2) (1) NO
Image 3) (1) YES (Related To Crime)
Image 4) (1) NOT SURE
Image 5) (1) NO
Image 6) (1) NO

Viewing Durations:

Image 1) (1) 0 Min. 33 Sec.
Image 2) (1) 0 Min. 8 Sec.
Image 3) (1) 0 Min. 31 Sec.
Image 4) (1) 0 Min. 17 Sec.

Image Responses:

Image 1) (1) NO
Image 2) (1) NO
Image 3) (1) YES (Related To Crime)
Image 4) (1) NOT SURE
Image 5) (1) NO
Image 6) (1) NO

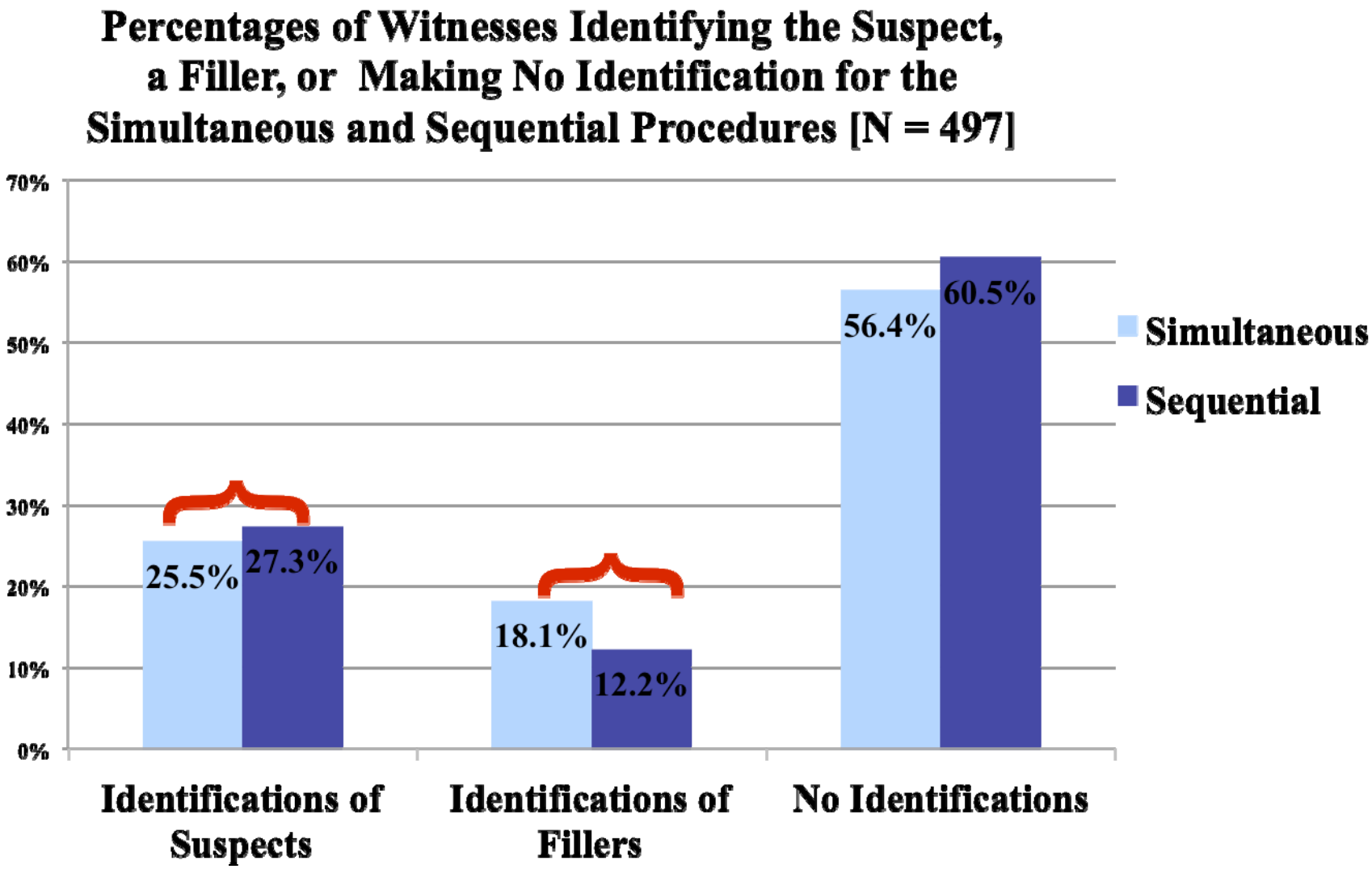
Viewing Durations:

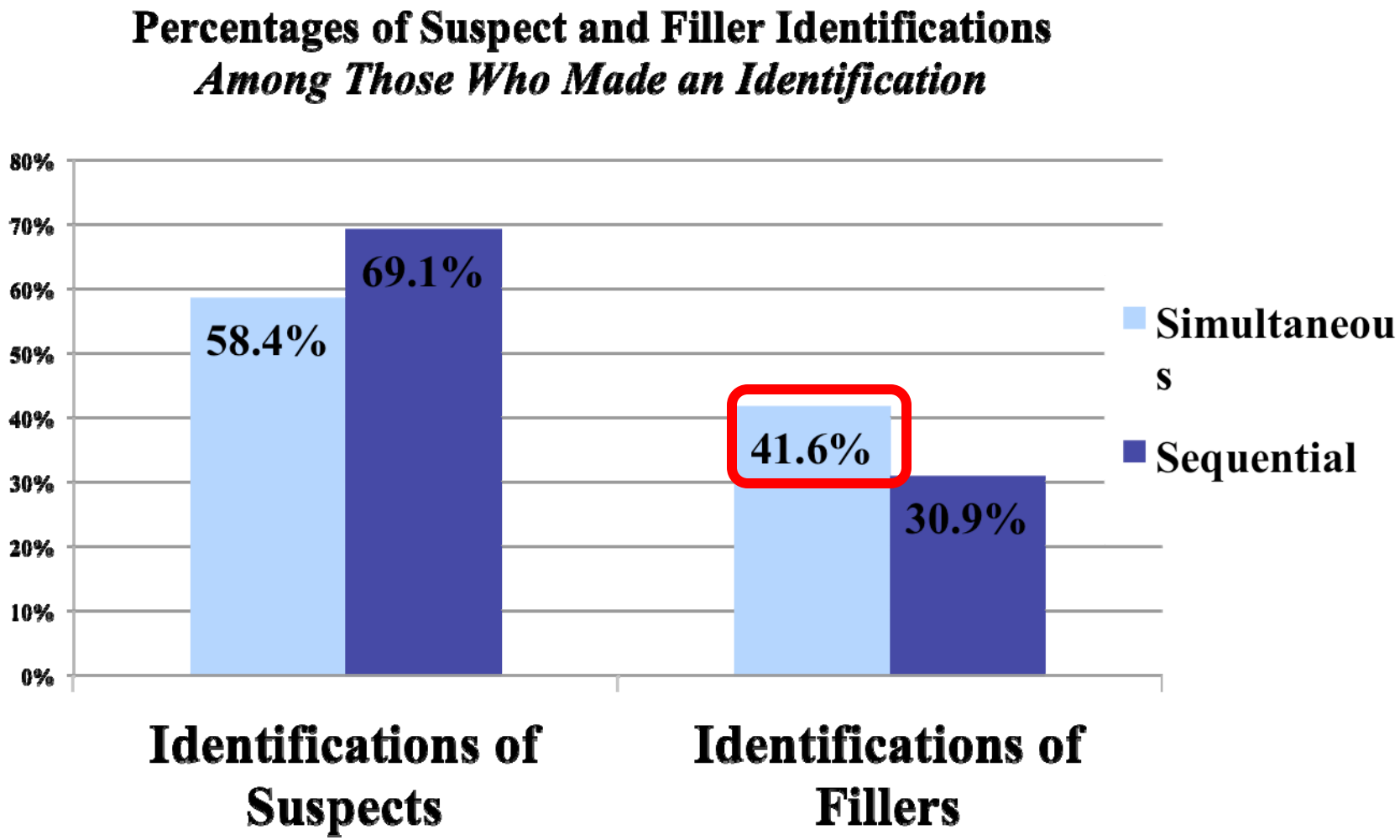
Image 1) (1) 0 Min. 33 Sec.
Image 2) (1) 0 Min. 8 Sec.
Image 3) (1) 0 Min. 31 Sec.
Image 4) (1) 0 Min. 17 Sec.
Image 5) (1) 0 Min. 7 Sec.
Image 6) (1) 0 Min. 6 Sec.

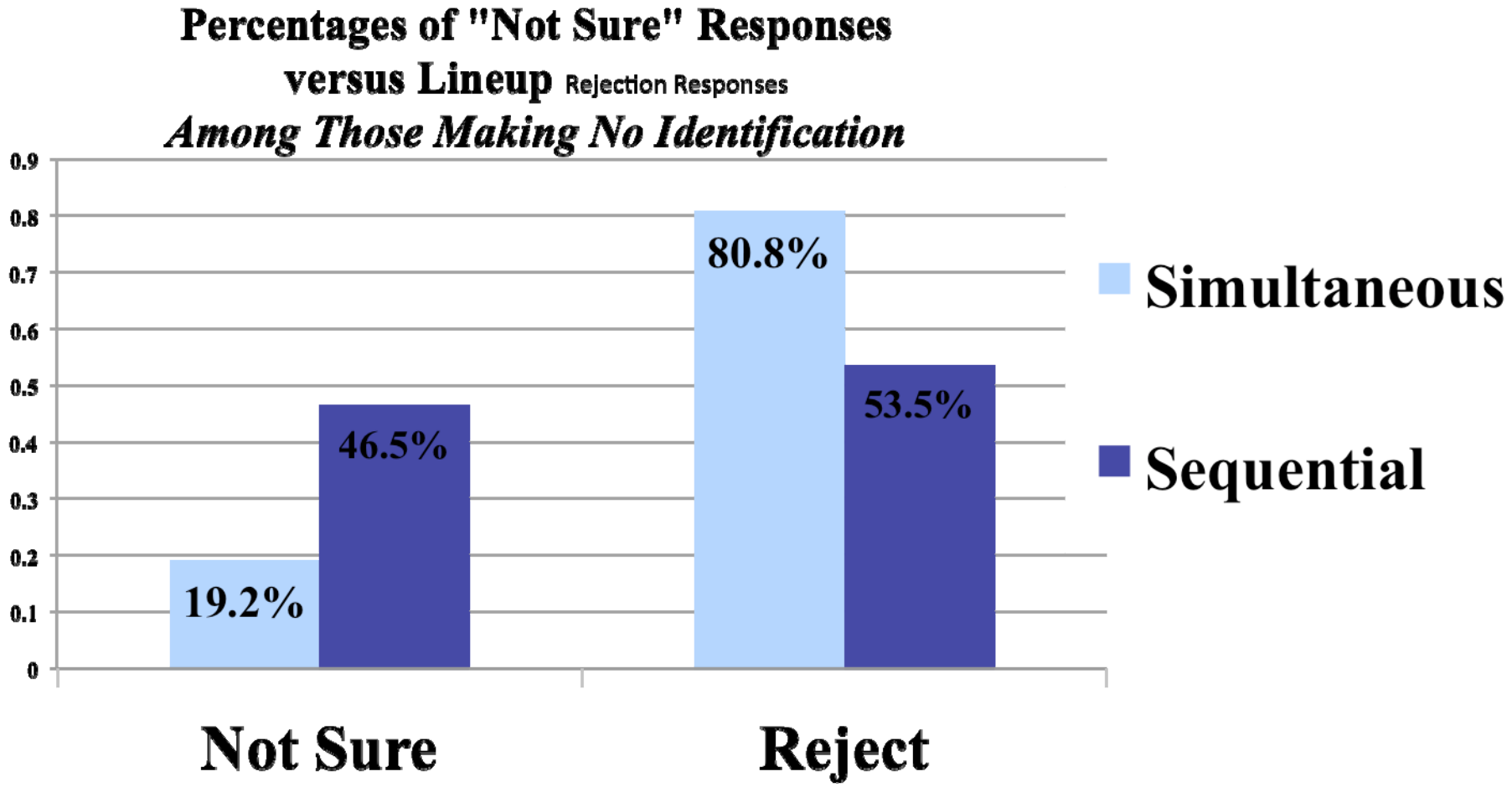
Does This Person Look Familiar To You?

4

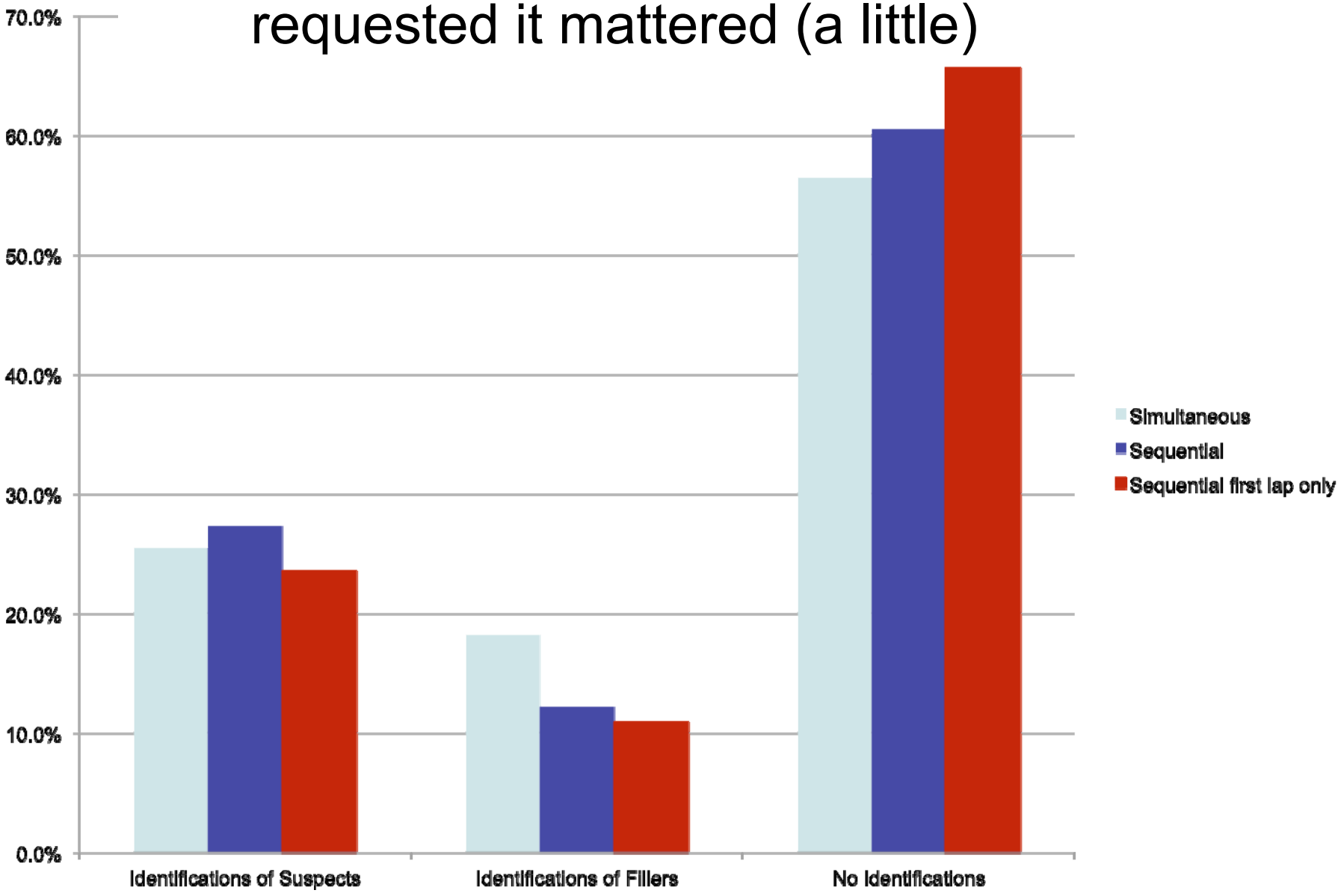
Main Results


Percentages of Witnesses Identifying the Suspect, a Filler, or Making No Identification for the Simultaneous and Sequential Procedures [N = 497]
70%
60%
50%
40%
30%
20%
10%
0%
25.5%
27.3%
18.1%
12.2%
56.4%
60.5%
Simultaneous
Sequential
Identifications of Suspects
Identifications of Fillers
No Identifications


Percentages of Suspect and Filler Identifications
Among Those Who Made an Identification
80%
70%
60%
50%
40%
30%
20%
10%
0%
58.4%
69.1%
41.6%
30.9%
Simultaneous
Sequential
Identifications of Suspects
Identifications of Fillers

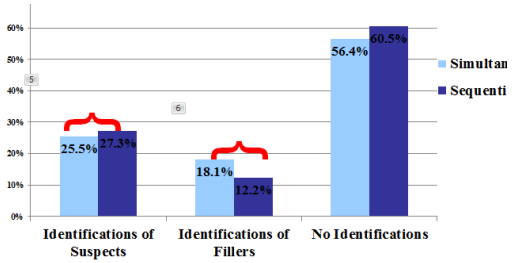

Percentages of "Not Sure" Responses
versus Lineup Rejection Responses
Among Those Making No Identification
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
19.2%
46.5%
80.8%
53.5%
Not Sure
Reject
Simultaneous
Sequential

Giving a second lap for those who requested it mattered (a little)



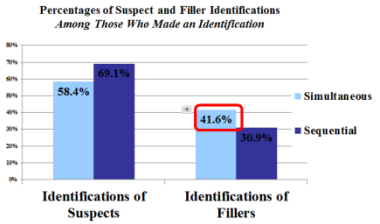
Summary of Results

Sequential produced a lower rate identifying known-innocent fillers



Sequential was as effective as simultaneous in the rate of identifying the suspect.

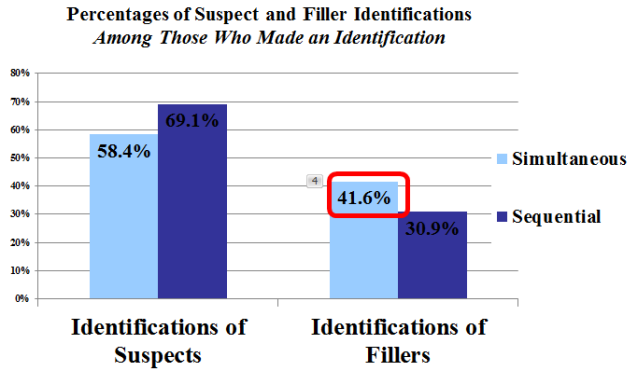
Outright rejections of the lineup were considerably more common for the simultaneous than for the sequential.



Implications

To the extent that filler identifications are a good proxy for assessing risk for innocent suspects, the sequential is safer for an innocent suspect.

Filler identifications are a problem in any case because the identification of a filler "spoils" the witness for any later attempt to view a lineup.



FAQs

How many fewer identifications of innocent suspects (as opposed to fillers) with sequential?

- No way to know *quantity* from these data - only the direction (fewer)
- Estimated # of ID cases in U.S. – not definitively known
- One estimate says > 75,000 ID cases estimated by survey of prosecutors. If only 25% of ID attempts are ID of the suspect, then 300,000 lineups?

  This, if true, would mean 18,000 fewer filler IDs

FAQs

If the “rate ratios” of filler picks for the sequential/simultaneous also holds for innocent suspect pick rates, then:

12.2% ÷ 18.1% = .674

i.e., the sequential rate of mistaken identification would be 67.4% of the rate of the simultaneous

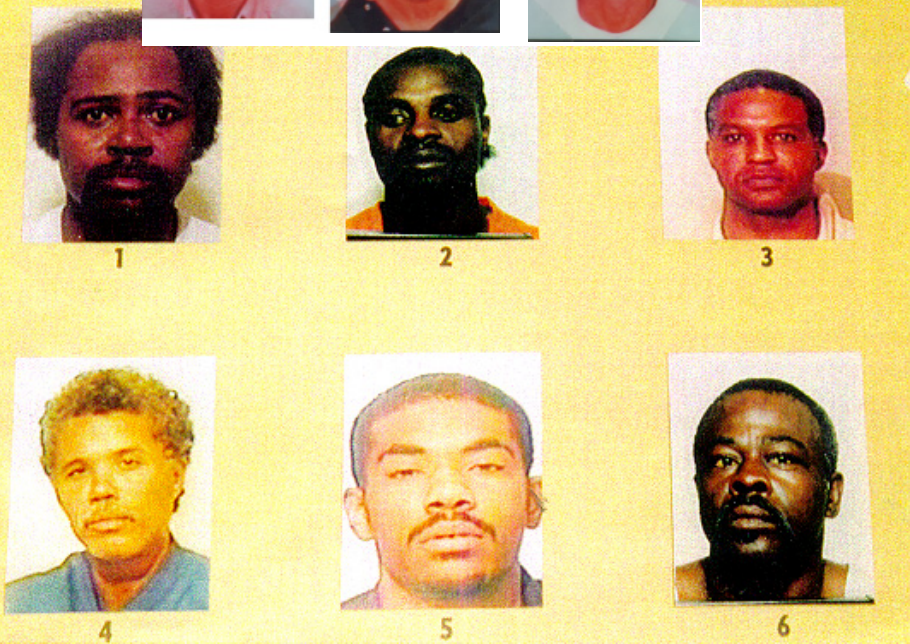
A Commonsense Reason to Favor the Sequential

If the eyewitness has a credible memory, why should it matter whether the lineup is done sequentially or simultaneously?

Can I see the rest before I make a decision on this one?

STATE'S EXHIBIT
LEE COUNTY SHERIFF


HOOTERS
NOTRE DAME
FOOTBALL


1
2
3
4
5
6