

1 YEARS ON A SERIOUS BASIS, CAN'T COUNT MY FIRST YEAR WITH
2 THE CRIME LAB BECAUSE I WAS DOING SOMETHING ELSE. DURING
3 THAT TIME I HAVE LOOKED AT 10 --

4 MR. MERWIN: I WILL OBJECT. I THINK THAT IS
5 NONRESPONSIVE TO THE QUESTION.

6 THE COURT: SUSTAINED.

7 BY MR. BROWN:

8 Q WHAT STUDIES HAVE BEEN DONE WITH RESPECT TO
9 FINGERPRINTS BEING DIFFERENT IN EVERY PERSON?

10 A I HAVE READ PUBLISHED REPORTS BY THE F.B.I.
11 WHERE THEY STATE THAT THEIR EMPLOYEES HAVE NEVER FOUND TWO
12 FINGERPRINTS ALIKE MADE BY TWO DIFFERENT PEOPLE. THERE'S
13 ALSO A STATISTICAL STUDY THAT WAS DONE SEVERAL YEARS AGO
14 THAT I READ THAT GAVE STATISTICS ON THE PROBABILITY OF TWO
15 PEOPLE HAVING THE SAME IDENTICAL FINGERPRINTS. THE RESULT
16 OF THAT STUDY WAS THAT IT WAS STATISTICALLY IMPOSSIBLE.

17 Q NOW DIRECTING YOUR ATTENTION TO THE CASE OF
18 MARK HALL, DID YOU HAVE OCCASION TO RECOVER OR REMOVE FROM
19 PROPERTY SOME GLASS THAT HAD BEEN COLLECTED BY MR. CARSON
20 UP NEAR BEDFORD PEAK AT THE CRIME SCENE OF MARK HALL ON
21 JANUARY 3RD, 1976?

22 A YES, I DID.

23 Q WHAT WAS THE REASON THAT YOU REMOVED THAT
24 GLASS FROM PROPERTY?

25 A I WAS GIVEN AN ASSIGNMENT TO COMPARE A LATENT
26 PRINT COLLECTED OFF OF THAT GLASS BY MR. CARSON WITH THE

1 INKED FINGERPRINTS OF A GENTLEMAN BY THE NAME OF RANDY
2 STEVEN KRAFT, AND I COULD NOT FIND MR. CARSON'S ORIGINAL
3 FINGERPRINTS LIFT.

4 Q OKAY. WAS IT SUBSEQUENTLY LEARNED THAT THE
5 ORIGINAL FINGERPRINT LIFT, THE CARD ITSELF HAD BEEN
6 MISFILED?

7 MR. MERWIN: OBJECTION. IT CALLS FOR SPECULATION,
8 LACK OF PERSONAL KNOWLEDGE.

9 THE COURT: I WILL SUSTAIN THE OBJECTION.
10 BY MR. BROWN:

11 Q AT SOME TIME AFTER YOU EXAMINED THE PIECE OF
12 GLASS, WAS THAT FINGERPRINT CARD SUBSEQUENTLY FOUND?

13 A YES, IT WAS.

14 Q NOW, WOULD YOU TELL US WHAT YOU DID IN
15 EXAMINING THAT PIECE OF GLASS MR. CARSON COLLECTED, WAS
16 THAT ITEM NUMBER 14, IS THAT OUT OF ITEM NUMBER 14?

17 A I BELIEVE SO.

18 Q WHAT DID YOU DO WITH THAT PIECE OF GLASS?

19 A I VISUALLY EXAMINED IT. AND ON A PARTICULAR
20 PIECE OF GLASS ON WHICH WAS MR. CARSON'S INITIALS, I COULD
21 SEE A FAINT FINGERPRINT THAT APPEARED TO HAVE BEEN DUSTED
22 WITH FINGERPRINT POWDER AND SUBSEQUENTLY LIFTED.

23 Q WOULD YOU GO THROUGH THAT PROCESS? WHAT'S
24 THE NORMAL PROCESS OF RECOVERING A LATENT FROM A PIECE OF
25 GLASS?

26 A THE NORMAL PROCESS ON THAT PARTICULAR TYPE OF

1 ITEM WOULD BE TO, AND I SHOULD CLARIFY THAT, IN 1983 THE
2 TECHNIQUE WOULD HAVE BEEN, OR EVEN GOING BACK TO '76, TO
3 USE FINGERPRINT POWDER, AND IN THE CASE OF OUR DEPARTMENT
4 WE USED BLACK POWDER, TAKE AND DUST THAT POWDER ONTO THE
5 GLASS IN AN ATTEMPT TO DEVELOP UP THE FINGERPRINT RIDGE
6 DETAIL.

7 Q WHEN YOU SEE SOME RIDGE DETAIL AFTER YOU HAVE
8 DUSTED WITH BLACK POWDER ON, IS THE POWDER STICKING TO THE
9 RIDGE DETAIL?

10 A YES.

11 Q WHAT CAUSES THE POWDER TO STICK ON THE GLASS
12 IN THE FORM OF A FINGERPRINT?

13 A THE POWDER STICKING TO RESIDUE THAT HAS BEEN
14 TRANSFERRED FROM THE FINGER ONTO THE SURFACE THAT IS BEING
15 EXAMINED AND THAT RESIDUE FORMS A DUPLICATED IMPRESSION OF
16 THE DETAIL THAT WAS ON THE SKIN ON THE FINGER.

17 Q THEN HOW IS THAT FINGERPRINT THAT IS ON THE
18 GLASS COLLECTED AND PRESERVED GENERALLY?

19 A GENERALLY IT WOULD BE COVERED WITH AN
20 ADHESIVE TAPE AND THEN THE TAPE WOULD BE REMOVED WHICH
21 WOULD REMOVE THE POWDER AND THE FINGERPRINT POWDER.

22 Q AND SO THEN THE FINGERPRINT THAT HAD BEEN ON
23 THE GLASS THAT IS SHOWING UP IN THE POWDER WOULD BE LIFTED
24 OFF THE GLASS ON TO THE TAPE; IS THAT CORRECT?

25 A YES.

26 Q AND THEN IS THE TAPE THEN PUT ON A WHITE

1 PIECE OF CARDBOARD OR PAPER?

2 A YES, IT IS.

3 Q SO THAT YOU CAN SEE THROUGH THE TAPE THE
4 FINGERPRINT THAT HAD BEEN ON THE GLASS, IS THAT HOW THAT
5 WORKS?

6 A YES.

7 Q NOW ARE YOU ABLE TO LIFT THAT SAME
8 FINGERPRINT FROM THAT GLASS AGAIN AFTER THERE HAS ALREADY
9 BEEN ONE LIFT MADE?

10 A NOT ALWAYS, BUT IT IS POSSIBLE.

11 Q OKAY. SO WHAT DID YOU DO THEN WHEN YOU
12 EXAMINED THIS PIECE OF GLASS THAT ONE LIFT HAD ALREADY
13 BEEN MADE OFF OF THE GLASS?

14 A I DECIDED TO USE A FAIRLY NEW TECHNIQUE AND
15 PROCESS THE GLASS OVER AGAIN AND THEN SEE WHAT MY END
16 RESULT WOULD BE.

17 Q WHAT TECHNIQUE DID YOU USE ON THAT, SIR?

18 A I USED A CHEMICAL THAT IN THE TRADE IS KNOWN
19 AS CYANOACROLATE ESTER, AND IN COMMON USAGE IT'S CALLED
20 SUPER GLUE.

21 Q WHAT DID YOU DO IN THAT RESPECT THEN?

22 A I PLACED THE PIECE OF GLASS IN A CHAMBER, IN
23 THIS CASE IT WAS A GLASS BELL JAR, AND I INTRODUCED THE
24 SUPER GLUE INTO THE JAR AND THEN A CHEMICAL REACTION TOOK
25 PLACE AND I PROCESSED UP THE RIDGE DETAIL ON THE GLASS.

26 Q HOW DO YOU YOU INTRODUCE THE GLUE INTO THE

1 JAR?

2 A THERE IS VARIOUS METHODS. IN THE PARTICULAR
3 CASE WITH THIS GLASS I USED A COMMERCIAL PRODUCT THAT WAS
4 MANUFACTURED BY A COMPANY CALLED DURAPRINT. AND THEIR
5 PRODUCT INVOLVED USING AN ACCELERANT, WHICH WHEN
6 INTRODUCED TO THE GLUE CAUSED THE GLUE TO EMIT A CLOUD
7 THAT IS BASICALLY CONCENTRATED FUMES FROM THE GLUE.

8 Q SO IS IT THE FUMES FROM THE GLUE THAT WORK ON
9 THE LATENT PRINT ON THE GLASS THAT CAUSES IT TO DEVELOP OR
10 IS IT, ARE YOU SHEARING GLUE ON THE GLASS?

11 A THE VAPORS FROM THE GLUE ARE ATTRACTED TO THE
12 FINGERPRINT AND THEY ACTUALLY BOND WITH THE FINGERPRINT,
13 SO THERE IS NO PHYSICALLY TOUCHING OF THE LIQUID GLUE TO
14 THE ITEM.

15 Q SO YOU PUT GLUE IN THE AREA OF THE GLASS AND
16 THEN THE VAPORS FROM THE GLUE GO OVER AND STICK ON TO THE
17 FINGERPRINT, IS THAT WHAT HAPPENS?

18 A BASICALLY, YES.

19 Q WHAT DO YOU DO THEN AT THAT POINT?

20 A AGAIN IT DEPENDS ON THE ITEM. THE PARTICULAR
21 CASE OF THIS GLASS, I THEN DUSTED THE ITEM WITH BLACK
22 FINGERPRINT POWDER, AND THEN I SUBSEQUENTLY PHOTOGRAPHED
23 THE RESULTING DEVELOPED LATENT PRINT IMAGE.

24 Q OKAY. AND AT SOME TIME AFTER THAT, DID YOU
25 MAKE A COMPARISON WITH THE LATENT PRINTS YOU RECOVERED OFF
26 OF THAT GLASS WITH MR. KRAFT'S PRINTS?