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examine panes of wood or panes of glass,
and I have done so myself. It is an
accepted fact.

Q Doctor, I show you a sketch which has been
marked for identification "D-28," and I
ask you what this represents?

A This letter-sized black and white illustration
labeled "Delta-28," entitled "Perforating,
P-E-R-F-O-R-A-T-I-N-G, Missile,
M-I-S-S-I-L-E, Perforating Missile Wound
of the Skull" shows a scheme, S-C-H-E-M-E,
prepared at the Armed Forces Institute of
Pathology according to my instructions and
based on the factors I just described.

Q Doctor, was this prepared under your instruc-
tions before or after the assassination
of President Kennedy?

A It was prepared before the assassination of
President Kennedy to demonstrate the
pattern of wounds in bones in a through
and through wound by a projectile. I did
this for teaching purposes because I have
to give many lectures in this field.

MR. DYMOND:

If The Court please, in connection with

Handwritten:
A. Edmund
P.E. 400

Handwritten:
Not to demonstrate
0.5 mm Cornea

add that that bony specimen brought to us was X-rayed and contained metallic fragments which corroborates the finding of metallic fragments seen at the time of the autopsy on the X-ray film of the head of the President, and the X-ray film was taken before the autopsy of the head, I saw the X-ray film, there were metallic fragments on the X-ray, there were metallic fragments in that bony fragment brought to us during the course of the autopsy, and I have a firm opinion that the bullet entered in the back of the head and exited on the right side of the top of the head producing a very large wound.

Q Doctor, did you find any evidence which would indicate that the President was hit by more than one shot in the head?

A No.

Q Doctor, as a result of your examination of the head, the head of the late President, what if you have one, is your opinion as to the direction from which the bullet which inflicted the head wound came?

A The bullet definitely struck in the back of the

1 add that that bony specimen brought to
2 us was X-rayed and contained metallic
3 fragments which corroborates the finding
4 of metallic fragments seen at the time of
5 the autopsy on the X-ray film of the head
6 of the President, and the X-ray film was
7 taken before the autopsy of the head, I
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9 fragments on the X-ray, there were
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14 and exited on the right side of the top
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17 indicate that the President was hit by
18 more than one shot in the head?

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21 head, the head of the late President, what
22 if you have one, is your opinion as to the
23 direction from which the bullet which
24 inflicted the head wound came?

25 A The bullet definitely struck in the back of the

1 an approximate time. I can give you the
2 reason why he called. As I have stated
3 before, having a wound of entry in the
4 back of the neck, having seen no exit in
5 the front of the neck, nothing from the
6 radiologist who looked at the whole body
7 X-ray films, I have requested as there
8 was no whole bullet remaining in the
9 cadaver of the President, that was a very
10 strong reason for inquiring if there were
11 not another wound in the approximate
12 direction corresponding to that wound of
13 entry in the back of the neck, because in
14 the wound of the head with entry in the
15 back of the head and exit on the right
16 side of the head, I never had any doubt,
17 any question that it was a through-and-
18 through wound of the head with disintegra-
19 tion of the bullet. The difficulty was
20 to have found an entry in the back of the
21 neck and not to have seen an exit
22 corresponding to that entry.

23 Q This puzzled you at this time, is that right,
24 Doctor?

25 A Sorry, I don't understand you.

1 out to be the illustrator at the autopsy?

2 A I don't remember.

3 Q Doctor, did you make any types of notes at all
4 at the time of the autopsy yourself?

5 A I may have written down measurements.

6 Q Do you still have those measurements?

7 A No. When I walked out of that autopsy room
8 I didn't have notes with me, to the best
9 of my recollection. I remember taking
10 measurements and giving them to Dr. Humes
11 and Dr. Boswell.

12 Q Do you know whether Commander Boswell made
13 any particular notes at the time of the
14 autopsy?

15 A As I recall I saw Dr. Boswell taking notes. I
16 saw both Dr. Humes and Dr. Boswell taking
17 notes at the time of the autopsy, to the
18 best of my recollection.

19 Q Would your answer be the same with regard to
20 Commander Humes with regard to making
21 notes at the time of the autopsy as it
22 was with Dr. Boswell? Did he also make
23 notes?

24 A As I remember, both of them made notes during
25 the autopsy.

1 wound of the President's neck.

2 THE COURT:

3 He said he didn't dissect anything.

4 THE WITNESS:

5 I made some measurements of, of course
6 to determine the wound, this was
7 the wound of entry in the back of
8 the neck and I examined both edges
9 of the surgeon's surgical incision
10 in the front of the neck. I don't
11 remember a dissection of this area.
12 I remember a very close gross ex-
13 amination.

14 BY MR. OSER:

15 Q Colonel, I believe you testified before that
16 normally in gunshot wounds, correct me if
17 I am wrong, that when a gunshot wound
18 enters an area of the body it leaves a
19 relatively small hole. What happens to
20 that wound when it exits in regard to the
21 size of the wound to the entry wound?
22 There is a variation from one case to the other.
23 The wound of exit may be small. It may be
24 smaller than the wound of entry. It may
25 be larger than the wound of entry. This,

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you described?

A This is compatible with it.

Q Colonel, can you give me the measurements of the wound in the area of the front of the President's neck that I am pointing to here on State Exhibit 69?

A As I recall, it was given by the Dallas surgeons as approximately five millimeters in diameter.

Q Can you convert approximately five millimeters in diameter to a part of an inch for me, please?

A Approximately three-sixteenths of one inch corresponds to five millimeters.

Q Referring, Colonel, to your Summary Report, State-67 for purposes of identification, which you signed on 26 January, 1967, can you tell me why you did not list the size of the wound that you say is the exit wound in the throat of the President?

A Because I did not, I did not see that wound in the front. I did not, I don't know why it is not there.

Q You say you did not see it?

A I did not see the wound of exit in the skin. I saw a hole of exit in the shirt of the

1 Q Does it appear in your official autopsy report 170
2 signed by you in November 1963?

3 A I don't see a microscopic description in the
4 autopsy report of 1963 from page 978
5 through 983 of the Volume XVI.

6 Q As of this date, Colonel, in February 1969 can
7 you tell us the results of any microscopic
8 examinations of a cross-section of the
9 wound in the scalp of the President of the
10 United States?

11 A I have no further information beyond the
12 description I read made by Dr. Humes.

13 Q Have you ever been to Dallas, Texas, more
14 particularly Dealey Plaza to see the site
15 of the assassination?

16 A I have not.

17 Q The description on State Exhibit 68 of the head
18 wound indicated here says, correct me if I
19 am wrong "Ragged 15 x 6 millimeters." Is
20 that correct as you found them?

21 A For practical purposes to show the approximate
22 -- yes, for practical purpose ragged means
23 the edges were irregular and I testified
24 this morning that when a bullet strikes
25 soft tissue with underlying bone close to