# The case for three assassins

## By David Lifton and David Welsh

O less than three gunmen fired on the Presidential motorcade in Dallas on November 22, 1963...

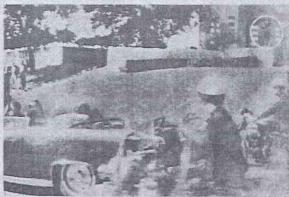
This conclusion has been reached following a 10-month investigation into the assassination of President Kennedy. It is documented in the following pages.

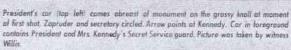
Defenders of the Warren Commission have continually challenged its critics to come up with a more conclusive theory; we believe that the essay which follows answers that challenge.

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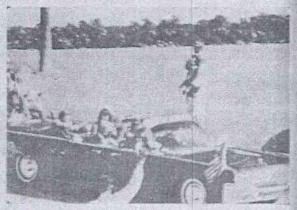
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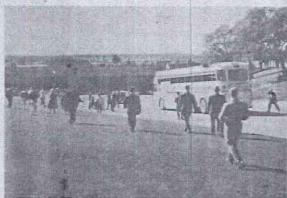






In frame 232 of Zapruder film (top right), immediately after the first shot. Kennedy is clearly, reacting to the wound at his throat. Connolly appears calm. Commission says





some bullet wounded mer

Palaroid snapshot bottom left taken by Mary Moorman at instant at impact of fatul head shot. Grassy knoll and monument are in background Zapruder circled.

Within seconds of the shooting, picture taken by witness Willis (bottom right) shows the reaction of the crowd towards the grassy knoll. Motorcade's press bus is in foreground. In right background, motorcycle policeman runs up slope.

# UCLA BRUNI

Vol. LXX No. 1

105 ANGELES, CAUFORNA

Thursday, January 5, 1967

## Preface:

The pivotal theory of the Warren Commission the physical theory of the warren commission is that the assassination of President Kennedy was the work of one man, Lee Harvey Oswaid, firing from the Texas School Book Depository. The Warren Report states: 1) "....ail the shots which caused the President's and Governor Connally's wounds were fired from the sixth floor window." (WR 19); and 2) "... Oswaid acted alone." (WR 22). (WR 22)
The first statement precludes the possibility that

The first statement precludes the possibility that shots were freed from any location other than behind and above the motorcade. The second precludes the possibility that more than one man war bring at the motorcade from the rear.

There is, however, a considerable body of evidence which shows that neither statement is correct. The Warren Commission, charged with assertaining and making public all the facts of the assassimation, and having much of the disturbing evidence at its disposal, dismissed this evidence with scarcely more than a cursory examination.

than a cursory examination.

This evidence falls into two main categories.

Evidence that two or more gunnen were firing from the rear. (Part One)

Evidence that one or more gunnen were firing from the from. (Part Two)

The facts are here. The reader may judge for hispatial.

The facts are here. The reader may judge for timiself.

Note: In the citations which accompany this essay, references by Roman and Arable numerals, (e.g., III, 404), are to Hearings Before the President's Commission on the Assassination of President Kennedy (Washington, D.C. 1964), the 26 volumes of hearings, testimony and exhibits published by the Warren Commission, reference is to volume number and page number. "WR" refers to the Commission's single volume summation. Report of the President's Commission on the Assassination of President Kennedy (Washington, D.C., 1964), commonly referred to as the Warren Report. Inquest refers to Edward Jay Epstein's book of that name (New York: The Viking Press, 1966). The paperback cultion is published by Bantam Books, Jac, references are to the Viking edition except as otherwise noted. The frequently used phrase "The Report" also refers to the one volume Warren Report.

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## Part One:

## The Shots From The Rear

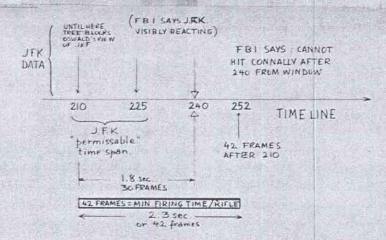
(Where it is shown that two or more gunmen were firing from the rear,)

#### (1. THE 42-FRAME CONSTRAINT)

According to the Warren Constriant of the seconds before the fatal shot struck his head, President Kennedy was struck in the back of the neck by a bullet from the rear. Almost simultaneously, Governor John Connaily of Texas was also hit by a bullet, fired from the rear. The Warren Commission was thus faced with a choice either two menhad fired almost simultaneously, one hitting the provenor, or else one bullet had wounded both men.

The Report concluded that one bullet "most probably" went through both men. (1) An overwhelming body of primary evidence shows that if did not.

This predicament would not have been so clearly clinicated for the Consmission but for two maveidable facts: a bystander named Abraham Zapruder had filmed the Presidential car in color during the



assassination sequence; and the weapon alleged to be the only one used in the assassination was a bolt action rifle. The rifle was tested by FBI firearms expert Robert A. Franze, "to deturmine how fast the weapon could be fired primarily, with secondary purpose acturacy," (2) The Report states. "Three FBI firearms experts tested the rifle. The purpose of this experiment was not to test the rifle under conditions which prevailed at the time of the assassination but to determine the maximum speed at which it could be fired, "(3) And the Report percords the result of those tests. Tests of the assassination but to determine the maximum speed at which it could be fired, "(3) And the Report records the result of those tests. Tests of the assassinatified inclosed that at least 23 seconds were required between shots "(4).

Two and three-tenths seconds—the shortest possible interval between two shots from the hold action Mannitcher-Carcano rifle—corresponds to, 42 frames of the Zapruder film. FBI photographic expert Lyndal Shameyfelt testified.

The Zapruder motion picture camera operates at an average speed of 18,3 frames per second. The minimum time for firing the rifle in successive shots is approximately two and a quarter seconds. This gives us this figure of 41 to 42 frames. To establish two points in the film where two successive shots round have been fired, (5) In other words, the FBI's firearms expect, shots in other words, the FBI's firearms expect, shots in the film typing to that a moving larget, required the time equivalent of 42 frames of Zapruder's film to squeeze off two rounds from the bold action rifle. This 42-frame minimum firing time is an import and constraint on any "(one assassin" thesity that positic file fallain Carcano rifle as the murder weapon. If two hits were scored closer than 42 frames apart on the film, here had to be more than one cannam—unless, as the Commission hesitantly concluded, the two hits were scored by the same holder for Kennedy and Commissioners and staff members

edges, were till no more than 33 frames apart on the film.

When the one-bullet-two-victim concept was advanced, some Commissioners and staff members were doubtful. Counsel Melvin Eisenberg said that the lawyers were at first "incredutions of this bygothesis," but gradually became persuaded that that the men had been hit within a scrond or two of each other. (6) Senator Richard Rossell "reportedly said that both men were hit by the same builet "(7) Representative Hale Bogges mentioned that he would not sign a Report which concluded that both men were hit by the same builet "(7) Representative Hale Bogges mentioned that he had "strong doubts about it "(8) pesticin reports that Commissioners John McCloy, Rep Gerald Ford and Allen Dules favored a conclusion that they were hit by separate buillets.(8)

The absence of evidence and the doubts of at

absence of evidence and the doubts of at The absence of evidence and the doubts of at least three of its members forced the Commission to a compromise conclusion that one build "most probably" went through both men. Partly because Governor Commilly continues to insist that it did not happen that way, this careful use of "prob-ably" is still being stressed by some Commission members (140).

ably is sain being success of the saint successful and members, (140)
But if it is only "probably" true that one bullet hit both men, then it is only "probably" true that there was only one assassin. The "lone assassin, the proposition of the proposition there was only one assassin. The "lone assassin" conclusion is only as strong as the proposition that he same bullet hit both men. If Comnaily and Kennedy were hit by separate bullets, then the Zapruder film proves that both bullets cannot have come from "Oswald's rifle."

Norman Redlich, special assistant to General Counsel J. Lee Rankin, said in an interview. "To say that they were hit by separate bullets is synonymous with saying that there were two assassins." (11) Precisely.

#### (2. THE BULLET IN THE BACK)

According to the Warren Commission, three shots were fired—a conclusion primarily based on the discovery of three spent shells at "Oswaid's window." One shot hit President Kennedy (in the back of the neck or in the back, then passed through him and hit Governor Connairs in the back. One missed

The third hit President Kennery in the head and was responsible for the fatal wound.

Certainly Governor Commily was hit, and extrainly President Kennedy was hit at least twin.

Certainly, also — as the Commission itself concedes — Kennedy and Connailly both must have been wounded in less time than it rould have taken to fire the boil action rifle twice. For there to have been only one assassin, one builted must have passed through the two men.

But medical findings on the location and malary of the wounds contain major contradictions. The

But medical findings on the location and nature of the wounds contain major contradictions. The Commission decided, based on the autopsy findings, that a bullet "entered the base of the back of his (Kennedy's) neck. travelet downward and exited from the front of the neck, causing a nick in the left lower portion of the knot in the President's necktic "(12)

Let us examine the evidence

#### a) Evidence that the bullet failed to exit

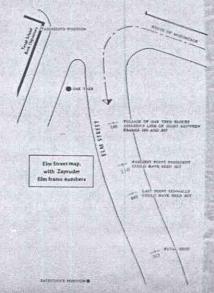
a) Evidence that the bullet failed to exit
An autopsy was performed on the President's body at Bethesda Naval Hospital on the night of November 22, just after the body was returned to Washington. In addition to several doctors, observers were present from both the FBI and the Secret Service.

News accounts of the autopsy vary considerably from the version which appeared in the official autopsy reports 113). Three weaks after it was performed, the Washington Post and the New York Times ram stories quoting sources familiar with the autopsy. Certainly not every journalist or publication is completely accurate when a nation is clamoring for every scrap of available news, but the integrity of these two newspapers, and the reliability of any source that either publication is highly of the proportion a story, is well known.

The autopsy findings the Post proported dis-

likely to frust in so important a story, is well-known.

The autopsy findings, the Post reported, dis-closed that the buller "was found deep in his shoul-der," adding that it "hit the President in the back shoulder five to seven inches below the collar-tine "(14). The Times said, "The first buller made what was described as a small, near wound in the back and penetrated two or three inches." (15) Some-weeks later, the Times reported that the first buller "hit the President in the back of his right shoulder, several inches below the collar line. That buller lodged in his shoulder."(16)



Farly in March 1964. Commission Coansel Aries Specter conformed with the three anispey doctors about the problem of the almost simultaneous wounding of Kennedy and Commity. At that time the chaef autoposis 1th James 1. Hannes, need that I was "medically possible" for one bullet by have but both men, with Governor Commity, having a delayer section 173. A few days later, or March 16, the Commission heard the first lestimony concerning the hautopes, and admitted the autopey report into evidence (18) Dr. Humes testified that be had revised the drawn of the report, and during the drawn of the report and burness the original (19). The Commission did not question Dr. Humes about his range for his extraordinary action. The revised natopey report made this finding about the inside of the reck, damaged the trached and made its exit through the america surface of the neck. (20). By the time this report was admitted into evidence, however, the Commission and its said already had in their possession two authoritative documents which directly contradicted Dr. Humes basic finding the FBI Summary Report and the FBI Supplemental Report. Both reports conclude that the builtet that entered the President's back did not go through the body (21).

that the bullet that emered the President's burk did not go through the body (21).

I. Edgar Hoover, ordered by President Johnson immediately after the assassination to conduct an investigation and to prepare a report, submitted the first four volumes of the FBI report on December 9, 1963. These are known as the FBI Sunmary Re-port. A fifth volume, called the Supplemental Re-port, was sent to the Commission to January 13, 1964. Unaccountably, these FBI reports were not made public with the 26 volumes of hearings and exhibits.

"Medical grants are a sent of the contraction of

"Medical examination of the President's botty," said the Summary Report, "revealed that one of the bullets had entered just below his shoulder to the tright of the spiral column at an angle of 45 to 50 degrees downward, that there was no point of exit, and that the bullet was not in the body. (22) It is not clear, incidentally, why the Washington Foat and the New York Trues were so vertain that the bullet was found in the hody, while he PBI report says if was not. Dr. Hames of first suggested the bullet might have fallen back out through the entrance hole while doctors at Parkland Hospital in Dallas were administering heart missage, although he latter rejected this hypothesis. The important point here is not what happened to the builet, it is that according to the FBI—as well of the government sources used by the two newspapers—the bullet did not go all the way through Kennedy's body.

builter, it is that according to the FBI—as well as the government sources used by the two newspapers—the builter did not go all the way through Kenneldy's body.

The FBI Supplemental Report issued three weeks after the Summary Report, stated: "Medical examination of the President's body had revealed that the builter which entered his back had persetrated to a distance of less than a linger length." (23)

The builter hole in the President's body was not discovered at Parkland Hospital, the Farkland doe for sestified that they were so proccupied with trying to review Mr. Kennedy that they did not turn him over. Score Service agent Boy Kellerman, who was present during the Bethesda autopsy, testified: "While the President is in the morgue, he is lying flat. Nobody was aware until they lifted him up that there was a hole in his shoulder. That was the first concrete evidence that they knew that the man was hid in the back." (24)

Also present as observers during the entire autopsy, and until the body was removed by employees of a funcial hone, were FBI agents James Silvert and Francis X. O'Neill Jr. (25) it was their report that appears to have formed the basis for the FBI's information on the autopsy findings—that the builted did not exil from the body. One would have thought so, since at the time that the autopsy report on December 9 and concluded that the back hulled did not exil from the body. One would have thought so, since at the time that the autopsy report on December 9 and concluded that the back hulled did not exil from the body. One would have thought so, since at the time that the autopsy report on December 9 and concluded that the back hulled did not exil from the body. One would have thought so, since at the time that the autopsy report in severed a copy of the official autopsy report in hand at the time the January 13th Supplemental Report was writter. But that FBI peport still contradicted the Commission's version of the autopsy.

This major contradiction was first revealed in mid-Moy in Epsteu's b

January 13th Supplemental Report was writter. But that FBI report still contradicted the Commission's version of the autopsy.

This major contradiction was first revealed in mid-May in Episten's book. Inquest On May 25, 1966, an FBI spokesman told the Washington Pest that time Person was "based on the medical evidence at that time." (28) The next day, however, the Locangeles Times quoted a statement by an FBI spokesman "that the FBI report was wrong when it said, 'there was no point of exit." (22) This rare "confession of error" by the FBI, which came only after Episten's book had begun to recrive public notice, said that the two FBI observers at the autopsy were out of the room when the doctors "traced" the bullet's pain.

There were two things wrong with this belated FBI apology. First of all, there was no one clear moment when the doctors suddenly found a path—by the doctors" own bettimony, as will be shown below. Secondly, the statement that both FBI observers were out of the room classies with the restimony to the Commission.

Secret Service agent William Greer testified that







Medical drawings [above] accepted in evidence by the Warren Commission show individual trajectories through Kennedy Itap left. Commission Exhibit 385 and Connally (top right, Commission Exhibit 689) Kennedy drawing was one of three accepted in evidence in lieu of actual autopsy photos and x-rays.

(middle) Commission attorney Arlen Specter at left. uses metal rod and two FBI agents to illustrate trajec-tary of one bullet through Kennedy and Connolly Com-

mission Exhibit 903).

In frame 230 of Zapruder film (see below), President Kennedy has both hands at throat, clearly reacting to wound there. By this time Connally, (not reacting has allegedly received bullet (on trajectory shown at top right) which entered downward at right shoulder seam, smashed 4 inches of fifth rib, caused multiple fractures of right wrist, and wounded left thigh.



at least one of the two FBI men remained in the coord during the entire autopay." If most two agents were in the autopay room, with Mr. Kellerman and I, all night, Mr. Sherri and G Neili were both in the autopay room with us during that line. Either Mr. Kellerman or I, we never left the room, note or the other. We went and got some coffee and came right back. The FBI did the same thing, One of then left, the other stayed, (20). Even if they had gone, they could not have been away from the room when the doctors found the path of the builter—because the doctors never found any such path. "There were three gentlemen who were performing the autopay," is stifled Secret Service agent -Kellerman. "A Colone! Finis —during the examination of the President, from the hole that was in his shoulder, and with a probe, and we were standing cipit alongside of him, he is probing inside the shoulder with his instrument and I said, Colonel, where did it go? He said. 'There are no lanes for an outlet of this cutry in this man's shoulder.' (31)

der "731)

The other agent, Greer, was questioned by Commission Counsel Arien Specter

Specter: Was anything said about any channel being present in the body for the bullet to have gone through the back?

Greer: No. sir. 1 huin't heard anything like that, any trace of it going on through (32)

What hausened as we will see inter-in that

through (32)
What happened—as we will see later—is that
Dr. Hames deduced a path for the budiet. But no
one ever found a continuous track, as Flunes have
self testified. "Alternpts to probe in the vicinity of
this wound were impucessful without fear of making
a false passage. We were unable... to take

probes and have them satisfacturily fall through any definite path. (33).

Not armly is the May 29, 1966 "admission of error" by the FBI spokesman not supported by the recipience it is not even supported, today, by I. Edgar Hoover, who chiends the accuracy of what his agents reported about the dector's findings at the autopey—while conceding that these were not the doctors final equalisations (34).

How did this pivotal contradiction arms, taking serious doubts, as it does, about the Commission's one assesses theory? And how did it remain unreconciled for three years after the crime?

One explanation, advanced last fall by Commission's one assesses the Specter, is that Dr. Humes "formulated a different conclusion" on the day following the autopsy—a conclusion that different from the statements be had sinde the night before in the presente of agents. Short and O'Neill (25) Specter suggests that Dr. Humes altered his finding appear learning for the lirst time, on Saturday morning, that the trachesofomy performed by Dr. Perry in Dalles had obliterated a builet wound in the front of the President's threat (Dr. Humes himself conceded that he did not know of the existence of a builet, note in the event of the President's threat (Dr. Humes himself conceded that he did not know of the existence of a builet, note in the event of the President's threat (Dr. Humes himself conceded that he did not know of the existence of a builet, note in the event of the freedom to the conceded that he did not know of the existence of a builet and a managent of a builet wound in the front of the President's threat (Dr. Humes himself conceded that he did not know of the existence of a builet mode in the front of the President's threat (Dr. Humes himself conceded that he did not know of the existence of a builet mode in the front of the President's threat (Dr. Humes himself conceded that he did not know of the existence of a builet mode in the front of the President's threat (Dr. Humes himself conceded that he did not know of the existence

autopsy (36).

According to the explanation, the autopsy doctors at Bethesda — unaware of a buliet wound in the front of the throat — leanth a wound in the back which could only be probed to finger length. Having been informed that a bullet had been found on a stretcher at Parkiand Hoepital in Dallas, they concluded that the bullet must have worked its way out of the President's back. President's back

But the next morning, when the body was a

langer available for examination, Dr. Humes was

led to change his preliminary opinion. "That was when he found that there had been a ballet hole on the front of the neck". "Specter writes (37)
Specter's exclamation is consistent with the report of FBI agents Shert and O'Nell, with the FBI Summary and Supplemental reports and with the testimony of Secret Service agents Kellerman and Greer.

Greer.
But this, Arlen Specter's latest version, written to answer critics of the Commission, directly contradicts the conclusions of a section of the Warren Report that he himself drafted. This section refers to "speculation that the bullet might have penerated a short distance into the back of the neck and then dropped out onto the artecher." It concludes: "Further exploration during the autopsy disproved that theory. Commander Humes talked by telephone with Dr. Perry early on the morning of November 23, and learned that his assumption was correct... This confirmed the Bethesda surgeons' conclusion that the bullet had exited from the front part of the neck "(18).

betnessna surgeous conclusion that the bullet had exited from the front part of the neck. '(38) It strains credulity, in the face of all the evidence to the contrary, to believe that Dr. Humes decided during the autopsy that the back bullet had exited at the throat—before he knew that the frontal throat

puncture even existed.

puncture even existed. Incredulity begins to shade into suspicion when Dr. Humes informs us that he burned his original draft of the autopsy report. He said "In privacy of my own home sarly in the morning of Sunday, November 24th, I made a draft of this report which I later revised, and of which this represents the revision. That draft I personally burned in the revision. That draft I personally burned in the revision accepted Humes' version, rather than face the possibility that the throat-exil finding—central to 1ts theavy that one builet went through two menwas dichuced by the autopsy surgeon in the absence of the cadaver.

was deduced by me analysis of the calaver.

One thing is certain: If the back builtet failed to other as the overwhelming body of evidence in the cale of the same builted that struck Governor Connally. And if this is so, then at least two persons fired at the motorcade form behind

#### b) Evidence that the bullet left no path

through the body

We know that President Kennedy had at least We know that President Kennedy had at least furce wounds the fatal head wound, a wound in the front of the throat, and a wound in the back. The Warren Report concludes that the hack wound and the throat wound were caused by the entry and exit of a single bullet.

and exit of a single bulle!

The licheeda autopsy doctors merer saw the throat wound in its original state, because it had been enlarged by a tracheolomy performed at Parkand Hospital in Dallas in an effort to save the President (40) And Dr. Humes testilled, as we have just noted, that he could find no continuous track between the back wound and the throat wound. But Dr. Humes nevertheless deduced that the missile entering the President from the rear traveled steadily downward, without deflection, and exited at the front of the throat.(41) The autopsy report concluded that the hollets were "fired from a point somewhat behind and above the level of the decreased"—a finding that became the basis but a major condusion of the Warren Report:

The nature of the bullet wounds suffered by

The nature of the bullet wounds suffered by

The nature of the built wounds suffered by President Kennedy and the location of the car at the time of the shots establish that the builtes were fired from above and behind . (42)

The entire line of reasoning establishing the source of the shots thus depends on Dr. Humes deduction of the existence of a track from back to front. The Report describes how the doctors arrived at this conclusion:

his conclusion:

By projecting from a point of entry on the year of the nerk and proceeding at a slight by projecting from a point of entry on the rear of the neck and protoceding at a slight downward angle through the bruised interior portions, the doctors concluded that the bul-let exited from the front portion of the Presi-dent's neck that had been cut away by the tracheotomy.(43)

Commissioner McCloy questioned Humes about

MrCloy: I am not clear what induced you to come to the conclusion if you couldn't find the actual exit wound by reason of the

tracheotomy. Humes: The report which we have submittracheotomy. Humes from the control of the control wary to include the statement of one scimess to the exclusion, moreover, of the observations of hundreds of others — in a medical re-port on the President's autopsy, is one of the immunerable anomalies of this investigation.)

from the other beatings and evidence reviewed so far, there are indications that the "point of entrance posteriorly" may have crept upward several mehes in order to support Dr. Humes' conclusion; the following section of this article deals with this in greater detail.

The autopsy examination did disclose a bruise on the right lung and other internal wounds, (45) which Humes concluded were caused by the bullet passing through. He testified that he "was able to ascertain with absolute certainty that the bullet had passed by the apical purfour of the right lung. (46)

and passed by the spical portion of the right lung (46).

But if Dr. Hinnes was this certain that the bullet had passed through the strap muscles to reach the right lung, then why—during the latter stages of the antopsy—did he continue to explore the possibility that the buildet had failed to exit and dropped back out the entrance wound 747). Humes resolved this apparent dilemma in favor of the bullet passing through—despite his failure to find a tract.

Aware of the crucial importance of filis point, Epstein consulted an independent expert—Dr. Milton Helpern, thief medical examiner of New York City and an acknowledged authority on forceste pathology—who told him "There is no such thing as a rille buillet's passing through a neck without leaving a path." Epstein added, "It is a sine qua non law of forceste pathology that if a buillet passes through a body if must leave a discernible path." Helpern estimated that a 6.5mm, buillet traversing a human neck would leave a tract a quarter of an inch in diameter. (48) (Later Helpern qualified this by saydiameter (48) (Later Helpern qualified this by saying, "Nobody said it was always easy to find a

diameter (48) (Later Beipern qualifies this by saying. "Nobody said it was always easy to find a path." (49)

In order for a bullet from the Carcano rifle to have traveled through the President's body and hit Governor Comaily, it would have to have traveled a continuous path through the President. There was no evidence of such a confinuous path, by the testimony of everyone who was present at the autopse, including the pathologist. It is one more inducation that there was no "superbullet' coursing through Kennedy and into Counally—that at least two persons were firing from behind the motorcoade. But there is more.

Dr. Humes deduction of a path he couldn't find is based, as we have noted, on the presence of an "entrance" wound higher in the rear than the "exil" wound in the front of the throat—a wound the Report places at about the location of the President's neckite knot. From this wound in the back of the neck, the Commission not only accepts the doctor's deduction about the puth, it also deduces for itself the angle of the shot and that its source— the sixth floor of the Depository.

floor of the Depository

#### c) Location of the back wound

To Illustrate his theory that the builet emered from
the rear and exised at the throat. Or Humes, when
he testified before the Warren Commission, brought
with him an arrist's drawing matic, shortly before
the bearing in March 1964, from his verbal descrip-tion of the wound, (50). The drawing is a profile view
of President Kennedy, with an arrow going through
his nack from back to from at an angle of about 15
degrees downward. "In" is written at the tail end,
"and" at the front end. at the front end.

The artist, who was not present at the autopsy, had no medical photographs from which to work (51) and the official photographs and X-rays taken at the autopsy were not introduced in evidence before the Commission.

The drawing shows the back wound as clearly above the wound in the throat. But there is a considerable body of evidence to show that the back wound was below the entry point in the artist's frawing, and that the point of entry was below the alleged point of exit. It this is so, then Dr. Hames' autopsy report and much of his testimony is in error.

Servit Service agent Glenn Bennett, riding in the right rear sext of the follow-up car behind the President when the shots were fired, stated: "Hooked at the back of the President. I heard another firecracker noise and saw that shot hif the President about four inches down from the right shoulder," [52]

The Commission accorded "substantial weight" to Bennett's observation, adding:

His notes indicate that he recorded what he saw and heard at 5:30 p.m. November 22,

rus notes indicate that he recorded what he saw and heard at 5.30 p.m. November 22, 1963, on the airpiane en rouse back to Wash-ington, prior to the autopsy, when it was not yet known that the President had been hit in the back (53)

yet known that the President had been hit in the back (53)

Secuet Service agent Roy Kellerman, present at the autopsy, described the wound as "the hole that was in his shoulder." [54] Clint Hill, another Secret Service agent, who saw the body in the morgae before it was placed in the casket, was questioned by Rep. Hale Boggs, a member of the Commission.

Boggs. Did you see any other wound other than the head wound?

Hill: Yes, str. I saw an opening in the back, about six inches below the neckline to the right hand side of the spinal column, (55)

Hill was not assigned to observe the autopsy. Agent Kellerman, however, testified that he decided to "gel Mr. Hill down and view this man (the President) for all the damage that was done. I went and brought him down and he inspected the incisions. Commission Counsel Specter asked Kellerman why he had brought in Hill to view the wounds, and Kellerman replied. "More extinesses, Mr. Specter; I think more to view the unfortunate happenings it would be a little better." [56]

Secret Service agent William Greer, also present at

the autopsy, testified: "When the doctors were perthe autopsy, tention: when he doctors were per-forming the autopsy, they saw this hole in the right shoulder. "Specier questioned him. Specier: Approximately where in the Presi-dent's back was the builtet hole? Greer: It was back here, just in the soft

Greer, It was part of that shoulder Specter Indicating the upper right shoulder

area?
Greer Upper right, yes (57)
In contrast to the testimony of agents Bennett,
Kellerman, Greer and Hill — who each place the
wound in the shoulder — Commander Humes, whosel
by the Warren Report, consistently locales the wound

"in the low posterior neck of the President (58). The two descriptions are not consistent. That of the four agents, however, is totally consistent with the FB1 reports, which describe the wound's location in

One of the bullets had entered just below his

a. One of the bullets had enjered just below his shoulder to the right of the spinal column . (59)
b. The bullet which entered his back . (60)
There are two other items of evidence which cast doubt on Humes' conclusion and the validity of the entire autopsy report — the autopsy doctors' own annotated diagrams of the body during the autopsy, and the bullet holes in the President's suit jacket and shirt.

The face sheet of the autopsy report(61) shows The later since of the autopsy report(61) shows two diagrams of the body, front and back view, annotated during the autopsy,(62) On the "front diagram is a throat wound just below the collar line. The back wound clearly depicted on the 'back' diagram is considerably below the collar and continuous constitution of the collar and continuous constitutions."

grain is a broad wound just perow the collar line. The back wound clearly depicted on the "back" diagram is considerably below the collar and consistent with the descriptions given by the four Secret Service agents and the FBI reports. No one asked it Humes to explain this discrepancy about the location of the wound. One possible relson was given last fall by Dr. J. Thorton Boswell, who assisted Humes at the autopsy, Boswell said that he had marked the back wound on the pathelogists diagram, and that his location was "a diagram error." (63)

No such explaination, however, can account for the locations of the holes in the Pessident's clothing Robert A. Frazier, the FBI ballistics expert, testified. I found on the hack of the shirt a hole, 5-3/4 inches below the top of the collar, and as you look at the back of the shirt 1-3/8 inch to the right of the midline of the shirt, which is this boile. I am indicating. The coat hole is 5-3/4 inches, which could be a counsel for by a portion of the rollar sticking up above the coat about a half inch. (64). Dr. Humes alternpted to explain how this evidence was consistent with the artist's distingly contending that the President's coat and sint may have climbled up the back of his beck. The President, he said, was a "muscular young man with a very well-developed with the theory of the coat and sint may have climbled up the back of his heart. The freedent, the said, was a "muscular wound further accentually to push the portions of the coat which show the hidders here somewhat higher on the back of Presidual than on a man of less muscular development," Humes also pointed out that the President apparently land her rigit hand raised waving to the crowd, indicating his belief that this action would further accentuals the sievation of the cout and shirt with respect to the back of he-President (65).

Treatment (63)

The Commission presented no evidence to support Humes' supposition. A photograph taken at the time does not show the President's cost climbing up his neck. And it would appear physically impossible for a closed shift collar to be lifted four to six inches when the President raised his hand. It would have to be lifted by that much to conform with Commission Exhibit 385, the drawing showing the trajectory through the neck.

The evidence about the location of the back wound the testimony of four Secret Service agents, the

The evidence about the location of the back wound the testimony of four Secret Service agents, the pathologists' diagram prepared dirring the autopsy, and the bullet holes in the President's lacket and shirt—shows that the rear wound was well below the collar, and hence below the frantal throat wound which pierced the knot in the President's neckitle.

If, as the Report concludes, the bullet passed frough the President on a downward trajectory, (66) it would have exited below the breast line—even if the angle of entry was the approximately 15 degrees indicated by the drawing (the FBI Summary Report said the angle was 45 to 60 degrees), (67).

Even if we assume that the Warren Kover page.

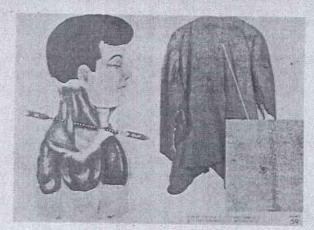
grees indicated by the crawing (the FBI Summary Report said the angle was 45 to 60 degrees) (67).

Even if we assume that the Warren Report was it error when it said that the fullet passed through undeflected (68) and that, instead, the builet was deflected upward inside the President's body and they a series of improbabilities bordering on the impossible, did exit at the throat—even if we make that assumption, the builet would have been heading upward, on a trajectory incapable of causing Comality's wounds. For a builet exiting upward from the President's throat suddenly to change its course a second time, in midair, and hit the governor on a downward course, would simply violate immutable physical law.

Bullets do perform unpredictable gymnastics in side hoddes, but not in midair Sill, it can be asked how the Commission — with no definitive evidence of exit or continuous path through the body, with evidence that the builet entered several inches below the collar on a downward trajectory and no primary evidence to the contrary, and with a finding that the builet was not deflected — could have come to the conclusion that it did that the builet exited from the throat.

throat.

The statements of the autopsy report and the au-topsy doctors—in unresolved conflict with much other evidence—form the sole basis for this critical conclu-sion by the Warren Commission.



Where is Kennedy's back wound located? The rear wound of President Kennedy must be above the wound at the front of his neck to support the thesis that one bullet, on a downward trajectory, exited at the front of his neck and, procooding downwards, went on to cause all of Connally's wounds.

Commission Exhibit 385 (top left) shows the rear Kennedy wound as being at the base of his neck, and higher than the wound in the front. Other evidence indicates that this wound was much lower and in the back, not in the neck. This would preclude the possibility that one bullet wounded both men, in addition to costing doubt on the integrity of the autopsy report

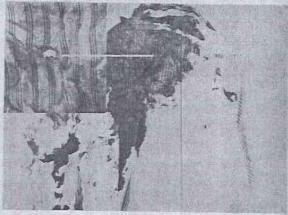
Prelident Kennedy's shirt top right and jacket top middle were both pierced about 5½ inches below the top of the

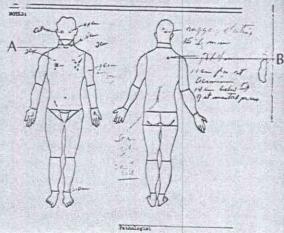
Bottom right Pathology diagrams an-

notated during the autopsy show the wound in the back (line B) considerably lower than the wound in the front of the neck line Al.

Autopsy surgeon Bowsell recently stated that he had inadvertantly placed the "dot" depicting the back wound too low on this diagram, and said it was merely "coincidental" that it happened to correspond to the location of the Presidential clothing holes. A measurement scrawled in the margin, allegedly made during the autopsy, would place this wound about hallway between the loca tion of the dot, and the point of entrance as shown in the artist's drawing lap left. This measurement (14 cm or 51/2 inches beneath the right mastoid is the one that is given in the autopsy report.

The rear wound of President Kennedy is thus "low." "medium," or "high" de pending on which piece of evidence is used to locate it.





#### (3. THE WOUNDING OF CONNALLY)

43. THE WOUNDING OF CONNALLY)

By now it should be apparent from the wealth of
evidence to the centrary, that the bus-bulles-throughrecomen, theary is a construct. That President Kennedy and Covernat Connady were in fact hit by
apparaty bullets is further borne out by Connady's
over bestimony and that of his wife, as well as by an
analysis of the Zaprader film.

Governor Con ally bestified:

We formed on Fim Street We had just
made the hirr, well, when I heard what I
shought was a shot. I heard this make which
I ammediately took to be a rifle shot. Undefine
they turned to ay right because the sound
appeared to come from over my right shoul
or——but I flat not each the President in
the corner of my eye, said I was interested because once I heard the shot in my own mind
I identified it may effection, and I immediately
the only threight that crossed my noted was
that this is an unsassination attempt.

So I loosleed, failing to see him, I was turning
to look begin their

to I looked, failing to see him. I was turning to look back over my left shoulder unto the back seal, but I never got that for in my furn-and them I felt like someone had hit me in the back.

and then heak.

The thought immediately passed through my mind that here were either use of three people involved or more in this or somewhe was shooting with an automatic rille. Mrs. Commilly pulled me over to har lap, i reclined with my head in her lap, consecons all the time, and with my head in her lap, consecons all the time, and with my eyes open and then, at course, the third shot scanned, and I heard the shot very clearly I heard it his him, (69). The Governor was specificated by Commissionsel Arien Specter.

Specter: In your view, which hullet caused the injury to your thest, Governor Commilty? Commilty I'm second one.

Specter: And what is your reason for that execusion, sir?

Commilty Well, in my judgement it just couldn't conceivably have been the first one because I heard the sound of the shoot. In the lirst place, I don't know anything about the velocity of this particular tolled, but any rife has a velocity that execused also a velocity of this particular tolled, but any rife has a velocity that execused also a sound, and when I heard the sound of the species.

velocity of this particular builet, but any rifle has a velocity that exceed his speed of sound, and when I heard the sound of that first shot, that builet had aiready reached where I was, or it had reached that for, and after I heard that shot. I had time to have to my right, and start in men to my left, before I felt anything. It is not conservable to me that I was litt by the first pullet. (89) in view short meres, in press conferences and in a detailed interview with Life magazine in which is examined the Zapruder tilm, (10) Governor Contailly.

the shick to his testimony and to the reasoning behind it. It is true that the governor has also described himself as satisfied with the Warren Commission's reasoning on other points and with its reactuation's reasoning on other points and with its reactuation's reasoning on other points and with its reactuation oswald as the lone assassin, but as we know seen, if his own testimony is accurate, those reactuations must be in error.

Mrs. Contailly's testimony before the Commission correborated that of her hassband.

I beard a noise, and not being an expert ritheman, I was not aware I was a rifle. I hursed over my right shoulder and looked back, and suc the Fresident os he had both hands at his neck. Then very seon there was the second shot that hil John (Contailly). As the first shot was hil, and I turned to look at the same time. I recall John saying: "Oh, no, no, "Then there was a second shot, and II hit John, as an he recoiled to the right, just compiled like a wonded animal is the right he said, "My God, they are going to kill us all." (71) right, he said, "My God, they are going to kill us all "(71)

us all:"(71)

The Zapruder film further bears out the Connallys' version of what happened. Commissioner Alien Dulles examined the film and immediately noticed that Kennedy was reacting to his hit well before Connally showed any sign of being wounded. He had the exchange with Commissioner John McCloy:

Dulles you would think If Connally had been hit at the same time (as Kennedy, he) would have reacted in the same way, and not reacted much later as these pictures show.

McCloy: That is right.

Dulles. Because the wounds would have been infliered.

McCloy: That is what seen.

infliered.

McCloy: That is what puzzles me, Dulles: That is what puzzles me, (72)
The shot that his Counsilly shattered tencentimeters of his rib, fractured his ciphtwristin seven pieces and pierced his left high cassiming that Counsilly was hit only once). The Commission's argument that Counsilly may have haif a "delayed reaction" for he shot is contradicted by the testimony of Dr. Shaw of Parkhand Hospital:

McCloy: But there could be a delay in any appreciable reaction between the time of the impact of the bullet and the occurrence;

Dr. Shaw: Yes, but in the case of a wound which strikes a bony substitute such as a rib.

which strikes a bony substance such as a rib. usually the reaction is quite prompt, 73)

Despite the governor's testimony, the Zaprader flam, and the wealth of other evidence, the Commission re-grifteless controded that Kennedy and Connaily were hit by the same builet.

naily were hit by the name builet.
Any conscientions analysis must at least attempt
to follow their rassoning. The Commission began
with the assumption that the builet traversed Kenredey's neck on a downward trajectory—a dublinas
finding as we have seen Coven that assumption, first
Commission their reasonate that the build." meet ikely

could not have missed both the aittomobile and its occupants." Since FB hoalistics expert Robert Frazier testified that he found be damage indicating that this builted had struck the natromobile, the Commission concluded that It must have gone through Comally. In other words, if it went through Kennedy's nuck, the builtet must have gone somewhere. If it went through his neck and was traveling downward it must have been in Gostrinor Connally.

Given the assumptions, the logic is perfectly valid, in the face of the event histing exclusive that the same builted did not strike both men, the next logical step is that the assumptions must have recent and the same builted did not strike both men, the next logical step is that the assumptions must be inserrent. But the Commission did not take that step.

Aside from a negative conclusion that the builted did not strike the automobile, the only evidence adduced by the Commission to show that it did strike connally is a garbled version of Frazier stestimony. He was asked to give the expert opinion on the basis of a set of highly questionnable assumptions:

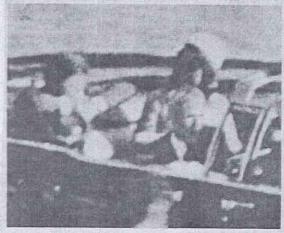
Specter: Mr. Frazier, assuming the factors which I have asked you to accept as true, as to the flight of the builtet and the straight line penetration through the President's body of you have an opinion as to what probably happened during the interval between trames 207 and 225 as to whether the builter which passed through the neck of the Fresident entered the governor's back?

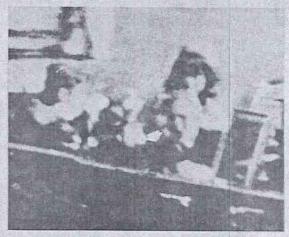
Frazier: There are a lot of probables in that First, we have to assume there is absolubly this would have been possible. However: I myself don't have any technical evidence which would support that far as my rendering an opinion as an expert. I would certainly say it was possible that I don't say that it probably occurred because I don't have the evidence on which to base a statement like that (74).

Prazier daborated: "We are dealing with a hypothetical situation here... So when you say would it probably have occurred, then you are asking mefer anophilon, to base my opinion on a whole series of hypothetical facts which I can't substantiate."(75)

which I can't substantiate [16]. The Warren Commission used Frazier stestimony in support of the single builet theory. The Report states: "Frazier testified that it probably struck for error Commily, '76]. Frazier, is we have seen and said nothing of the kind.

The necessary conclusion to this evidence is that Kennedy and Connally were hit by separate builets. This means they were hit by at least two gumner fring from the rear because, as the Commission found, they were half wounded from the rear rules time fram necessary to fire the alleged marder weap on token.





#### Frame 236

David Lifton's note. November 25, 1966 Issue November 25, 1966 issue of Life rangurine showed that both Governor Cormally and Pres-dest Kennedy did not upper to be lift by the same bullet, con-tuded that there was 't-exon-able doubt' that only one assassin slid all the shooting, and called for a new layest-gation.

and cause for a less strong gation.

Life published 25 color frames of the Zagrader film. The film snows that President Kettnedy femerging from behind the highway sign that blocked Zagruder's view of the limousine for about the first second of the firing) is clearly reacting to his first wound by greating at his first frame 225), whereas Connally appears unscaffled, they, and for many frames following. (It trikes no more than 1/10 strongstations).

film frame for a built to tra-verse the short distance between

verse the short distance between the two mes.)

Exactly when was Commally wounded? Life asked Connally to pick out the exact frame where he thought he was hit. The Governor studied he en-tire sequence and picked out frame 234, claiming he could see humself whomas and starting to stume there.

see himself wincing and starting to skimp there.

The Governor that the Warren Commission and repealed to Life magazine that the bullet strike feltex actly "as if someone draphed has fits and came up behind you and with about a 12 inch blow hit you to the back. Fight below the shoulder blade."

The tremendous fartie of the

The tremendous force of the bullet smarshing downs and to-to Connally's right shoulder is recorded on the Zapruder film.

between film frome 237 and film between fain frame 237 and flan frame 238. In the space of only 50 milliseconds, Commilly's right shoulder buchtes downward and forward, has phrounding the precise moment of the collisies with the builet that his flam from behind. Said Life. "In 238 his right shoulder suched buchten as he sways howard the limeasure door," (The frame 237-8) Commily shoulder buchten burners and physicises." choulder buckle phenomena and its implications was dis-towared by Raymond Marcas of Los Angeles in March, 1965.)

Life magazine devoted two pages to this phenomenon by putting side by side large color blowups of frames 236 and 242 browaps of transe 200 and 242 showing the shoulder before and after it bucklet. In the cap-tion to this picture, between Life implied that the shoulder buckle is actually a "reaction"

#### Frame 242

for a buffet strike at frame 234, those seconding to Connally 5 interpretation of when it was hit.

By pinpointing the precise
moment in time on the Zaprader film that Connally was
struck the shoulder oursile
phenomenous provides still naother criteria for showing that
both men were hit by sepurate hullets. As Life shows (and
the Warren Report consects).

Kennedy is clearly resarting to
hit throat wound by frame 225.
It takes only 1/10th of a film
frame for a fullet to traverse
the dietance between the two
men. Yet Connally is not
hit until frame 238. These his
are separated by too meet time
(at least 12 film frames) to
come from the same buffet and
by too little time (less than
42 frames) to come from the

bullet did not wound both men and there must be a seeing shooter firing from behind.
Governor Cromelly was turned starply be he right by frame 237 of the film (he best-field by was as attempting to took back towards the President). This sharp turning motion to his right example to the left rear of the motor code, and not the right can shere the Texas Scingol flood Depository (TSED) is located. In was all their in a the sherm der buckle indicates; and not at 234 (the frame the Governor picked, in which he is facing forward) then it is doubted such as bullet could have originated from the TSBD. This is still sincher reason for doubting the Report's conclusion that all the shorts come from the TSBD.

#### (4. SUPERBULLET)

#### ) The stretcher bullet

) The stretcher builet. A major piece of evidence, linking the assessment to the both action rifle found on the sixth floor of it. Texas School. Book Depository, is a builet that if from a stretcher in Parkland Hospital shortly after it shooting. Builistics tests showed that the build-lammission. Exhibit 315s was fixed from that rifle 77, it became a crucial circular in the case against on Rance Chamber of the Commission contends that builds 380, as it is alied, as the builds that energed the President from the ear, exited at his threat entired Committy's back and smashed through his creat, write and high rapments were left in the governor's wrist and high, builtet 399 was found simulally undeformed, a jacket interest.

represents were sell in the governor's west and sigh, builted 399 was been correctly underformed, is jacket intest.

The builted that later hittle President's past—which exceeding to the Commission's version of the assessation must have been of the same type as builted 309 and fired security later from the same rifle—fragmented into "30 or 40 thm; doubtles particle fragments," according to 19: Humes [78]. Let the Commission argues that hollet 309 passed through both see, shattered more than four inches of the governor's fifth rib, bridge his right what into paces, amoded his left high and tenerged beautifully whole nd undeformed.

Dr. Humes instilled upon seeing the builter. his missile is basically inner; the jacket appears to us to be intest (79) br. Shaw of the Parishma laft declared: I would have to say that this sillet has light liberally none of its substance." [80] Builted 309 was not only unmultilated drive the sone-shattering journey it is said to have taken; it is only the parishma to the recognizability trace of blood or thesis on its surface. Questloned by Commission Counsel Mel.

Iso had no recognizable trace of blood or theme on a surface. Questioned by Commission Counsel Melia Escoberg. Fill ballistics expert Frazier lestified. Eiscoberg: Did you prepare the bullet many way for examination? That is, did you ream it or in any way after it?

Frazier. No, sir, if was not measure. The bullet was dean and it was not necessary. The bullet was dean and it was not necessary to change it in any way.

Escoberg. There was no blood or strainer material on the bullet when you received it?

Frazier. Not any whith would unlesters with the examination, no sir, (81)

Frazier. Not any whith would interfere with
the examination, so str.(81).
Thus, no marroscopic amounts of blood or fissue
were found on this build. Obviously Frazier's testmony leaves open the possibility that microscopic
ruses existed, we know only that the FPI performed
a spectrographic analysis or the build. (82) and duit
spectrographer John F. Gullagher, who is stilled beone the Commission, was never asked about these
indings. (83).
Frazier tangled.

Fratier testified that builtet 399 weighed 158.6 Srains (84) He weighed several other 6 from holists and fearest that they all weighed

tom 180 to 161 grains. But France added that even with a bullet weighing 1856 grains. There did not necessarily have to be less weight less to the bullet (85). The mass missing from the bullet was so minimum in mass missing from the bullet was so minimum in the mass missing from the bullet was so minimum in the mass missing from the bullet was so minimum in the mass missing from the bullet was so minimum in the missing from the bullet was so minimum in the missing from the bullet was so minimum in the missing from the bullet was so minimum in the missing from the bullet mass of the missing from the bullet mass of the missing from the bullet may be made and the store of the missing from the bullet may mean in the missing from the bullet may mean in the governor a doctors and government pathologists stated the routine of the missing from the presence of these magnetic stated their opinion—housed on the presence of these magnetic stated their opinion—housed on the presence of these magnetic stated their opinion—housed on the presence of these magnetic stated their opinion—housed on the presence of these magnetic stated their opinion—housed on the presence of the characteristic from ally a right writer?

Dr. Hames: I think that is most unlikely from a factor of the missing the missing

Not only did Dr. Humes rule out the possibility that builet 399 caused the governor's wrist wound, but also the possibility that it caused the wound in his thigh. Humes responded to a question on this point by Specters

his high. Humes responded to a question on this point by Specter.

I think that estremely unlikely. The reports, again Exhibit 392 from Parkland (operative record of Dr. Tom Shires (88)), lei of an entrance wound on the lower midthigh of the governor, and X-rays taken there are described as showing metallic fragments in the bone, which apparently by this report were not removed and are still present in Governor Counsilv's Bigh. I can't conceive of where they came from this missile (89) in Dr. Humes' view, there was too much metal in other the governor's wrist or his flight to have been caused by builet 393 Dr. Pierre Finck, a foreast publishingts who assisted at the autopsy, also isstitled about builet 399.

Specter. Could It have been the intilet

which inflicted the wound on Governor Con-

which inflicted the wound on Governor Connally a right wrist?

Dr. Finck. No for the reason has there are too many fragments described in that wrist/90)

Dr. Robert Shaw, who altended the governor at Parkland Hospital, testified about pulled 309.

As far as the wounds of the cheat are enoverned. I feel that this bullet could have inflicted these wounds. But the examination of the wrist both by X-ray and at the time of surgery showed some fragments of metal that make it difficult to believe that the some missis could have caused these two wounds. There seems to be more than three grains of metal. In the wrist. I feel that there would be some difficulty in explaining all of the wounds as being inflicted by builet Exhibit 389 without causing more in the way of loss of substance to the builet of deformation of the bullet (91).

Another piece of Dr. Shaw's institution has been succided beyond recognition by the Commission. Asked whether—regardless of what builet it wasone bullet (idd in fact cause all of Governor Connally's wounds. Dr. Shaw replied. "I have no firm opinion." (92) But the Report anys.

In their testimoup, the three doctors who attended Governor Connally at Parkland Hospital expressed independently their opinion that a single bullet had passed through his cheet tumbled through his wrist. pure tured his left high—and had fallen out of the thigh wand (93).

The Report's distortion concerning bullet 399, however, was much more serious. Despite the exist ence of all the metal fragments in Governor Connally's body, despite the undeformed and bioodless state of the bullet, and despite the explicit restimony of three doctors that bullet 309 could not have caused the wrist wound, the Report conducted. All the evidence indicated that the bullet found on the governor's stretcher could have caused all his wounds, (94).

There was, of course, evidence additioned in support of this conclusion, the ustimony of one physi-

wounds, (94)

There was, of course, evidence addition in support of this conclusion: the testimony of one physiologist and one veterinarism, employed at the Army's Edgewood Arsenal. They had been instructed to shoot Carcano bullets through goatment, horse-meat, goathone and gelatin blocks, in order to determine whether a bullet from that rifle had the penetrating power to go through two men. They said that it did.

said that it did.

But Commission Counsel Specier's questioning of Dr. Arthur Delemian, (95) the physiologist, and Dr. Alfred Chierce, (96) the vetermarian, was not confined to the resums of their experiments.

Specier. Now, based on the tests which have been performed . what is your opinion as to whether the wound through Presi-

dent Kennedy's reck and all of the wounds on Governor Connaily were produced by

one bullet.

Dr. Delemian I fame the probability is very good that all the wounds were caused by one bullet.

Solits
Specter. Do you have an estimon as to whether, in fair. Bullet 309 did cause the wound on the governor's wrist, assuming if you will that it was the mustle found on the governor's stretcher?

Dr. Olivier: I believe that it was. That is

my feeling.

Dr. Frederick Light, an associate of Drs. Determine and Officier was also called to uselfy before the Commission atthough he did not conduct any of the heat and was only aware of their findings. His lestmony makes it quite clear on just what hasts be would and would not say that one bullet went through both men.

Based on the nature of the President's and the

Based on the nature of the President's and the Governor's wounds, and on the sets of Dr. Givier, Dr. Light meilled "... I would say I don't seel justified in drawing a conclusion one way or the other on that basis alone."

Having shown him builet 399, Specter optimistically queried the expert.

Specter. And what about that whole builet leads you to betieve that the one builet caused the President's need secured and all of the wounds to Governor Compily?

Dr. Light Nothing about that builet. Matrily the position in which they are scated in the mutomobile... the fact that if it wasn't the wounds in both of the individuals, then that builet ought to be somewhere and hasn't been found. But those are not onsed on Dr. Givier's tests nor are they haved on the nutoneys report or the surgeon's limitings in my mind. (V. 95-97)

Drs. Delemian and Glivler, instructed only to determine the proceduring power of a builet fired from a Carcano. were called upon to testify on what happened to a specific Carcano builet five needs and thousands of miles away. Not because any suspicion of vessuity attaches, but simply because of the suble ways in which ideas are framedered among men in contact, it may be interesting that the man who questioned Driemian and Olivier about their copies.—Commission Courses Specter—was also the man who first introduced the superiodic theory to the Commission Courses Specter—was also the man who first introduced the superiodic theory to the Commission. Courses Specter—was also the man who first introduced the superiodic theory to the Constantiact. It may be interesting that the thing to both nor, then were is the builted to the superiodic theory to the Constantiact.

Guestions remain. It, as now seems dear, one builted theory to the Constantiact of the induct builted to the mine were to the state builted to the superiodic dot, the where did it come from?

For an extensive treatment of builter 396, see The Basistern Builet, by Baymeroid Marcas.

For an extensive treatment of builter 350, see "The Bastard Bullet," by Raymond Marrus.

#### b) Bullet 399-was it a plant?

b) Builet 399—was it a plant?

There have been many who, on examining the available information, about the death of President Kennedy, have incised on the existence of a conspiracy theories ranges from massive high-level plots involving foreign governments or high officials of our own government, or both, to simple, after the fact efforts by Dallas poince for make themselves look good. To every conspiracy theories, the mysterious appearante of build 399 is a goodsend and after the wiegs of frantic plotmongering have been blown away, build 399 remains—still a mystery.

Upon arrival al Parkland Hospital, the President and the governor were, pair on stretchers (not the collapsible pole-anti-carvas kind, but the kind of wheeled hospital stretcher sometimes called a gurney) and tumediately rushed into separate "trains rooms" on the ground floor. The President was soon pronounced dead, his body was transferred from the stretcher to a coffin. His stretcher was stripped of sheets and pair into one of the trauma rooms adjoining the elevator looky on the ground floor of the

ing the elevator lobby on the ground floor of the

sheets and put into one of the trauma rooms adjoining the elevator ionity on the ground floor of the hospital.

The governor, however, after undergoing emergency treatment on the ground floor while still on his stretcher, was wheeled into an elevator and taken to the operating saits on the second floor for surgery. He was transferred from the stretcher and the stretcher was put back on the elevator.

At about one p.m. the governor had gone upstates, and the President was just being pronounced clinically dead's senior engineer Darred Tominson found a stretcher on the elevator, at ground floor level. He removed if from the devator and placed it against the wall. At the time, said Tomilinson, "there was a stretcher about two feet from the wall already there." [97] Tominson, who was operating the elevator, left the stretcher elepoid area on the ground floor several times after that.

Some time later, an incident occurred which was to become important. Under questioning by Specier, Tominson described what happened:

Well, ar. I don't recall how long it had been exactly, but an intern or dictor, I dilin't know which, came to use the men's coun there in the elevator lobby ... He pushed the stretcher out from the wall so get in, and then when to came out he jost while off and dish't past the stretcher back up against the wall, so I pushed it had to yet the way where se would have to close out a jost while off and dish't bumped the wall and a spectoaring of while folded out that apparently had been in the close to the residence of the levator of the residence of the section of t

Tomineon had just discovered notice 1953. As we have repeatedly seen, it is essential to the tome essential to protect that one belief left both Sensedy and Cornelly. And for this to be possible, it is essential that buile life, the one the Commission determined, that buile life, the one the Commission determined, that had left life, the one the Commission, was the second victim of that builes. If the boilet were found on Kennedy's structure, it could not have been the one that wounded Committy. The confusion is compounded by the absence of any lurid evidence that the stricture which the builet fell had been used by either Kennedy or Connally.

On March 16, 1964, Commission Counsel Specter and not yet gone to Italias to interview wiresesses. In

used by either Kenneity or Constally

On March 16, 1964, Commission Counsel Specter and not yet gone to hallas to interview wirnssee. In his possession, however, were FBI and Secret Service reports indicating that the builder had not failed from the strucker presumed to have been Committy 198-a) Vet Specter, was able to tell Commissionier Bulles during the hearings. "If I may say at this point, we shall produce later, evidence that the strucker on which the builde was found was the strucker on which the builde was found was the strucker on which the builde was found was the strucker on which the builde was found was the strucker on which the builde was found was the strucker on which the builder. "If may say at this point, we shall produce later, evidence that the strucker of Governor Committy." (199)

How Specter Robert of Committy. "(199)

How Specter what would be shown by the evidence he had not yet asthered is far from clear. But when Specter did go to Dallas Tommisson refersed his statement that he thought the builde had failed from the struckers after any sense that the sas its event." (190) Specter Davis of he one he took off the circular visual Tommisson. "I believe that was its event." (190) Specter pursued his questioning.

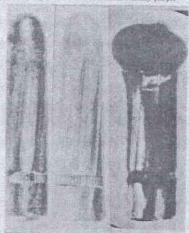
Specter Now, Mr. Tomfisson, are you sure that it was struckers." A" than you took out of the six substrain and not strucker." H"

Tommisson. Well, really, I can't be positive, jout to be perfectly hones about "1.

Specter: You say you can't really take an oath today to be sure whether it was strucker." "A" on strucker "H" that you took off the elevator," (101)

Specter: See the substraining that not clear up the confusion, but it did triviate be witness.

elevatory 101;
Speciar's questioning district clear up the confun, but it did irritate the witness:
Tominson (interrupting) Here's the deali rolled that thing off (the elevator).
Now, I don't know how many people went
through... I don't know how many people



Above are 3 6.5 mm Carcano bullets. Bullet 399 (center) was found on a stretcher at Parkland Hospital within an hour of the shooting. Tests showed it was del initely fired by the alleged murder weapon. Exhibit 856 top right was test fired through the wrist of a human codover in order to simulate Connally's wrist fracture, 2 of the 7 wounds allegedly caused by bullet 399. Exhibit 572 (top left) was fired by the FBI in the murder weapon into a standard trapping device in order to retrieve it totally unmutilated for use as a standard in ballistic matching.

hit them (the stretchers)—I don't know anything about what could have happened to them in between the time I was gone, and I made several trips before I discovered the bullet on the end of it there... I'm going to tell you all I can, and I'm not going to tell you something that I can't lay down and sieep at night with either (102). One week later, Specter was back in Washington, informing the Commission about his latest findings on builet 1995 "May I say, Mr. Dulles, on that subject, I took several depositions on that subject in the Dallas nospital and I think we have a reasonably conclusive answer on that question; and, in fact, it came from the stretcher of Governor Commally..."

Specier based his argument on Tominson's statement that the stretcher from which the bullet fell, had sheets on it. The sheets had been stripped from Kensely's structber, a more bestified, whereas Connally's sheets had been self on the stretcher.

It is difficult to see how Specter could have reached a positive conclusion from such air inconclusive much facility of the stretcher. It is sufficient to see the same such air inconclusive much facility of the stretcher in the bullet fell from—the question remains sky the stilled was not illustrated a specific as a rest of succession from a stretcher.

to be ludgen under the mat of the stretcher free which it foil Left in an improvided area, to who anyone that access who might be griding to the me record, the thretcher evertually was jorded and a period a clean, radioformed build linking a species assisting a weapon with the crime.

The question immerpaistly follows: Was it at plat or was it on Kennedy's stretcher after all, and whitle 1099 the builds that traveled a "finger a lengt into Travelent Kennedy's hard, taker to drop be out through the satiry accord as the Parkland at lors struggled to save the President's 1 into the Struggled for save the President's 3 into the Struggled for save the President's 1 into the satiry according to the Struggled for the period of the save of probability, the lowe of province at the laws of format pathology.

What it did do was appear mysteriously in Parland Hospital.

#### (5. TWO OF THE ASSASSINS)

"The thought transclarely passed through a mind," Governor Commally testified, "finst there we either two or three people involved or more in the or someone was showing with an automatic rifle

The governor's initial reaction was ab-

The governor's initial reaction was absolute correct.

In organizing the evidence that two or more just men were firing from the rear, we proceeded from the Commission's fundamental assumptions that it Carcano rife found on the sinth floor of the 800 bepository was fired during the assassination—into the first in the rearre. If this is so, the evidence show that at least one other weapon must have been firin from behind to account for both Kennedy's has wound and the soluted for both Kennedy's has been related he account for both Kennedy's has been related he wounds of forwarror Connally. Questions which must be taken seriously has been related, however, as to whether Lee Harve diswald actually fired shots at the modercuste, which any shots at all were fired from that such flow window by anybody, and whether the Carcano rife the alleged murder weapon, was used for the sensor action. If the Carcano was not fired at the modercuste when a least being furner, the care to couse the back entremounts on Kennedy and Connally (inflicted, as it can be guarane with different either, or one gui man with an antamadic weapon would have to have been firing from the care to couse the back out wounds on Kennedy and Connally (inflicted, as it is not the insention of the antions to go in this question with an present many, but it should to note that if this is so, then Dewald, whom the Connaission found to be the cover of the Carcano, was fired and missed the mark, then wont as a builet, hallistically fraced for that particular riffs doing on a stretcher at Parkland Hospital within them discovered late in the night of November 221 Wachington some nine or ten hours after the whight have been firing what from where on Nowinger that he would form where on Nowinger that he would fire on Nowinger that he would fire on Nowinger and the second firing what from where on Nowinger that he were the firm what from where on Nowinger that the carcano firm where on Nowinger that the carcano firm where on Nowinger that the carcano firm where on

sination/1063.

It is possible to speculate endiessly about wh might have been firing what from where on Nevember 22. Most of these theories have set to be proved. One thing is certain if the Carcano riff was involved in the assassination, as the Commission found, then only one conclusion is possible. Two or more gunthen were firing from the rear

## Footnotes to Part 1:

- 3-WR 194

- 12—WR 3,
  13—WR, Appendix IX,
  14—Washington Fost, Dec. 18, 1963.
  15—New York Times, Dec. 18, 1963.
  16—Jack Langguth, "12 Unarcswered Questions,
  New York Times, Jan. 26, 1964, p. 38,
  17—Inquest, 115,
  18—11, 350,
  19—11, 373,
  20—WR 543, XVII, 44,
  21—National Archives; excerpts in Inquest,
  22—F8H Summary Report, 18, Inquest, 184,
  boldface addod,
  23—F8H Supplemental Report, 2: Inquest, 196

- boldface added.

  25—FBI Supplemental Report, 2; Inquest, 19rs,
  24—II, 103

  25—Agents' report of Sibert and O'Neill; Commission Document 7. National Archives; Inques (superhack edition only), 156.

  26—V. 98.

  27—New York Times, Nov. 26, 1966.
  28—Washington Pist, May 29, 1966.
  29—Los Angeles Times, May 30, 1966.
  30—II, 191.
- 31-II, 93, 14. Col. Pierre Pints is described by Epositin as "a nationally known expert in farensi patrology, and would ballistics." (2-II, 197)

UCLA DAILY BRUIN 33-11, 361 34—New York Times, Nov. 26, 1966. 35—U.S. News and World Report, Oct. 10, 1966. 36—11, 367. 37—U.S. News and World Report, Oct. 10, 1966. 38—WR 88-9; boldface added. 39—11, 373. 40-WR 89-90. 41—11, 360, 42—WR, 18, 43—WR 88, boidface added, 44—11, 368; boldface added. 45-WR 88 49—WR 83.
46—II, 367; FB1 report of Sibert and O'Neill, re-oduced in Inquest (paperback edition only), 166.
48—Inquest, 58.
49—The Nation, July 11, 1966.
50—Commission Exhibit 385.
51—11 356. 51-II, 350. 52-WR 111 53—WR 111. 54—11, 93. 55—11, 143; boldfare added. 56-II, 100.

57-II, 127.
58-II, 361.
59-FBI Sammary Report, 18; Inquest, 48.
60-FBI Sammary Report, 2; Inquest, 48.
61-Commission Exhibit 397.
62-II, 372; interview with Dr. J. Thornton Bosdl, New York Times, Nov. 25, 1966.
63-New York Times, Nov. 25, 1966.
64-V, 60.
65-II, 366. Films taken from various angles uring the crucial six seconds do not show the President States. 56-II, 100. h5-11, 366. Finis taxes from various angles during the crucial six seconds do not show the President's coat climbing up his neck (the films of Zapruder, Nix, Muchamore, Moorman and Willis).

66-WR 88.

67-FBI Summary Report, 18. Inquest, 48. 68-WR 88, 69-IV, 132-3; IV, 135-6 70-Life, November 25, 1966, 71-IV, 147, 72-V, 155, 73-IV, 116, 74-V, 172; boldface added, 75-V, 172; boldface added, 76-WR 105, 77-III, 429, 78-11, 353 68-WR 88. 78-11, 353, 79-11.335. 80-IV, 113. 81-III, 428.9. 82—Testimony of Robert Frazier, V. 69, 83—XV, 746-52 84-III, 430. 85-III, 430. 86-XVII, 18 87-11, 374-5. 88-XVII, 20. 99—11, 376. 90—11, 382. 91—1V, 113-4; boldface added. 92—1V, 109. 93-WR 95 94-WR 95. 398.4. Insust, 77; Commission Boraments 3, 5 at 7 in National Archives. 99-11, 368 100-VI, 132. 101-VI, 132. 102-VI, 132.

## Part Two: The Shots From The Front

104-IV, 133, 105-II, 90; III, 435; V, 67; XXIV, 411-413.

103-111 389

(Where it is shown that one or more gunmen were firing from the front.)

#### (I. THE GRASSY KNOLL)

When the assaustration occurred, at least two-thirds of the known witnesses reacted as if the shots were fired from the Grassy Knoll. The first reaction of policies was to converge of the area; two tried to tide their motorcycles up the incline on the Knoll. Virtually all attention was focused at that

Later, newsmen, police and the general public were told that their affection had been mispiared, were told that their affection another direct were fold that their alteriors has even unpeared, that all the anoceting had come from unother direc-tion. The evidence however—and the testimony of adjustes compiled in this usay—indicates that the first reaction was the correct one Someone was lacked firing from the Grassy Knoll.

#### (2. THE FATAL HEAD SHOT)

### a) The Photographic Evidence

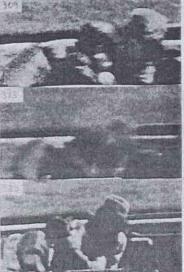
The Zaprader lilm, now owned and jeniously

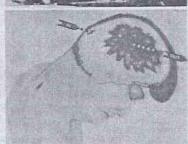
tional Archives), serves as a time standard for the entire assassination sequence. It is the source of hundreds of numbered color photographs, 35 mm, slides each made from an individual motion picture frame. (1) The camera caught the motorcade from the time it turned onto Eim Street (frame 171) until it disappeared into the mouth of what is locally called the Triple Underpass (frame 334).

The FBI, using the film and the carefully checked camera speed, found that the care was moving at a rate of 11.2 miles per hour—about 10.6 inches from one frame to the next. They prepared a map(2) showing the precise position of the Fresidential car on Eim Street at each numbered frame of the Zapruder film.

The crucial ramber is 313. The shot which killed the President, the Commission says, struck his head at Zapruder frame 313.(3) The Commission states that the bullet "... entered the right-rear portion of his head, causing a massive and latel wound," (4) and that "... impact was evident from the explosion of the President's brain tissues. "(5)

In the film frame immediately preceding impact. Keimedy—who has already been wounded at least once—is "... slumped to his left, clutching at his throat, with his chin close to his chest and his head tilted forward at an angle "(6) The latal bullet 10.





Photopanel at top shows three frames from the Zopruder film. Distance between head of the President and the rear sear cushions of the car suddenly docreases after the bullet strikes his head at frame 313 imiddle picture of sequence. Compare 309 (top picture of sequence), before impact, with frame 323 (bottom picture of sequence) which is 1/5 second after impact, Sequence illustrates fact that Kennedy's head and torso are slammed left and rearward against the rear seat. Commission Exhibit 388 (bottom), one of three artist's drawings accepted to evidence instead of official autopsy photos and x-rays, depicts latal head shot according to \* the outopsy report. While the Zapruder sequence, terpreted in the light of physical laws, indicates total shot came from the front, the autopsy report concluded that total shot entered at the rear of Kennedy's head, exiting as shown.

seeing 63 shows.

Is in light as the rather's maps frame 312, winging at about 2000 feet per second (over 1300 ender an hour). Its source, according to the Commission, is the Manualicher-Carcano rife of Lee Harvy Dewald, perched in a aixth floar window behind and about the President.

It should be possible to predict what the film would show if it recorded President Kentredy's hand being struck from behind by an object going 1300 miles an hour. But the Zaprader film does not show his head anapoing forward, as one might logically expect. It shows the opposite reaction. In the frames following the 313 head slot, say analysts of the film, "the studies explosive violence with which President Kennedy is stammed back.

against the rear seat is unmistakable."(7).

His head snaps back and to the left—in the space of less than a half second, according to the time standard established by the Zaprude film—before he bounces forward and spins into Mrs.

time standard established by the Zapruder himbefore he bountes forward and spins into Mrs. Kennedy's arms.

The violent backward and leftward thrust of Mr. Kennedy's head begins at the instant of impact of the latal head shot; the two events appear to be simultaneous and to have a relationship of cause and effect. That the backward thrust could have resulted from a built fired from behind and above would seen a manifest impossibility. At the very least, the head snap is consistent with a shot target from a forward position to the right of the motor-rade, from the area of the Grassy Knoll.

But the Commission did not seriously investigate this possibility, nor did the FBI. In fact, the Zapruder lilm was never used in this manner to determine the source of the fatal shot. Robert Francer, the chief FBI ballisties expert on the case, who might have gleaned valuable information from the film concerning the direction of fire, testified: "I have not made a very thorough study of the Zapruder film..." (8)

#### b) The head snap

b) The head snap

Dr. R. A. J. Riddle, assistant professor of physics at the University of California at Los Angeles and a member of that university's Parin Research Institute, has studied the rolevant frames of the Zapruder film and stated to the authors what the film shows to the eye and mind of a trained observer:

Newton's second law of motion(9) has remained inviolate for three centuries. Not even the advent of relativity and quantum mechanics have dissurbed its validity. No physical phenomenon is known that falls to obey it. One of the most immediate consequence is the conservation of nomentum, basically, this has says that an object his by a projectile will be given a motion that has the same direction as that of the projectile. At a shooting gallery, for instance, the ducis fall away from the marksiman, not toward him. Thus, if someone is shot, and the shot strikes bone, the general direction of recoludit he away from — not loward—the marksiman (this assumes, of course, that there are no mitigating effects) (S-A).

Let us now apply this knowledge to the

Let us now apply this knowledge to the assessmation of Kennedy as shown in frames 310-323 of the film takes by Zapruder. The following facts are evident from observation and measurement of individual Zapruder film frames:

Zapricer lim rance:

1. Jacqueline Kennedy does not move relative to the car.

2. The general direction of motion of Kennedy is backwards and to his left.(9-B). His bend velocity along the line of the car is about two ket per second.

3. The initial motion of his head is downward in frames 312-313.7(10).

4. The effect of the shot is first seen in frame 313.

5. After frame 313 there is no forward motion relative to the car.

from relative to the car.

Point one, plus testimony from the hearings, (11) indicates that there is no acceleration of the rar which would cause Kennedy to be firrown backwards. On the assumption that a neuromuscular reaction can be ruled out as the cause for this sudden violent backward motion upon impact of the President's head with the builet, any methan of the body would be governed by the lews of physics, which govern the collision between any two objects.

which govern the collision between any two objects.

The motion of Kennedy's body in frames 313-323 is totally inconsistent with the impact of a bullet from above and behind (12) Thus, the only reasonable conclusion consistent with the laws of physics is that the bullet was fired from a position forward and to the right of the President.

It is disturbing that this conclusion contradicts the findings of the Warren Commission, but intellectual bonasty compais me to offer the above opinion, 13)

Neither the Warren Commission nor anyone else, however august can repeal the law of the conservation of momentum.

We have examined the evidence that there were at least two assassins firing on the motorcade from the rear. It is equally clear that the only argument against the existence of a third assassin, firing from the Geasy Benoil area forward of the motorcade, is to posit a fentastic set of bearinmassidar reactions sufficiently arong to overcome evan the aligning trace of any effect of the momentum of a bullet reaveling 1300 toph.

It is physically possible, however unlikely, for such a neutromuscular reaction to have occurred for there is other evidence that places this possible by to the realm of pure confecture.

## (3. MEDICAL EVIDENCE ON THE HEAD WOUNDS)

#### a) The back of the skull

According to the doctors at Parkland Hospital, the fatal head shot blew off the right rear portion of the President's head. It was a gaping wound, characteristic of exit, on the back of his skull, and It members of the Parkland staff and two Secret Service agents observed it closely. Each of their

from a position forward of the President.

Dr. Ronald Jones of the Parkland staff described what appeared to be an exit wound in the posterior portion of the skull ... "[14]

Dr. Robert McClelland, also of Parkland, testified. As I took the position at the head of the table ... I was in such a position that I could very closely examine the head of the table ... I was in such a position that I could very closely examine the head wound, and I noted that the right posterior portion of the skull had been extremely blusted. It had been shattered, apparently, by the force of the shot ... This aprung open the hones ... in such a way that you could actually look down into the skull cavity itself and see that probably a third or so, at least, of the brain tissue, posterior cerebral tissue and some of the cerebellar tissue had been blusted out.(15)



Commission exhibit 386, autopsy drawing, rear view of alleged wounds.

Four other doctors and one registered murse described the wound in the rear of the President's head as ". a large gaping wound in the skull likerally the right side of his head had been blown off,"(16) ". a large, gaping wound in the right posterior pair. ".(17) ". a large avulsive injury of the right occipitoparital area ".(18) ". back of . his head was shatered, with brain substance extrading,"(19) and ". one large bole."(20)

Secret Service agent Chinton Hill, who climbed onto the Presidential innousine as it sped away, and rode with it all the way to the hospital, gave the following description:

onto the Presidential limousine as it sped away, and rode with it all the way to the hospital, gave the following description:

The right rear portion of his head was missing. It was lying in the rear sent of the car. His braits was exposed, There was blood and bits of brain all over the entire rent portion of the car. Mrs. Kennedy was completely covered with blood (21)

(Aside from its contribution to the medical evidence, Hill's testimony can also be read in the light of the laws of physics. Regardless of neuro-muscular reactions, Hill's description of 'blood and bits of brain all over the entire rear portion of the car'—and a piece of the skull flying into the rear sead—is hardly compatible with the force of a 1300-milican-bour projectile having come from behind.)

The antopsy doctors at Bethesda Naval Hospital in Maryland observed not only the large gaping wound, but a "small occipital wound" at the back of the skull (22) This, they and the Commission concluded, was the entry point of the fatal hallet (23). Their finding became a central prop for the theory that Oswald fired the fatal shot from the rear with a 6.5 mm. rifle.

The members of the Parkland staff who saw. The members of the Parkland staff who saw

The members of the Parkland staff who saw the wound were unautimous none of them observed such a small wound of entry on the rear of the Pres-ident's head. Commission Counsed Africa Specter did his best to clicit testimony from seven Parkland doctors, one nurse, and two Secret Service agents to support the thesis of a rear entry wound. Typical was his questioning of Registered Nurse Diana Bowron:

Specter: How many holes did you see? Miss Bowron: I just am one large hole. Specter: Did you see a small builet hole be-neath that one large hole?

Miss Bowron: No. sir. (24)
Leading questions in the same vein were also
put to Dr. Jenkins, Dr. Peters, Dr. Giesecke, Dr.
Perry, Dr. Clark, Dr. McClelland, Dr. Baxter and
Secret Service agent William Green (25) Each one
answered, "No."

The fact that the Parkland doctors observed no The fact that the Parkland doctors observed no entry wound there does not mean that it did not exist, and it is conceivable that a hit from the rear occurred. But if it did, the Zapruder film shows no obvious head reaction consistent with a head shot from the rear. At the very least, there is a conflict of evidence here between what the Zapruder film shows (corroborated by what the Parkland doctors observed) and the findings of the Bethesda subreas? autopsy.

What is clear is that the gaping wound at the

rear of Kennedy's skull was a wound of exit and that the bullet which hurled his head sharply back and to the left, blowing the rear portion of his cranium back into the rear seat of the car, was fired from in front of the President.

## b) Eyewitness testimony; right side entry, right temporal wound

The position of the President's car at frame 313. when the fatal shot hit him, was such that the sixth floor window of the Texas School Book Depository was almost directly behind President Kennedy, and only slightly to his right. Kennedy would have only slightly to his right. Kennedy would have had to turn almost completely around, looking over his right shoulder, in order to look directly at the sixth floor window. The Zapruder film, on the other hand, clearly abous the President facing forward at the time of the fattal shot. The middle point of the 200-foot-long Grassy Knoll was just coming abreast of the car on the President's right. The unantimous verdict of the Parkland staff, therefore—which found the rear bead wound to have all the characteristics of an exit wound water.

all the characteristics of an exit wound with no signs of entry-must be seen in the light of testi-mony that a bullet entered the President's head from the right side.

from the right side.

Secret Service agent Samuel Kinney, the driver of the car immediately following the President's, testified, "I saw one shot strike the President in the right side of the head. The President the filt to the scal to the left toward Mrs. Kennedy." (26) Seorge W. Hickey, a Secret Service man scated in the left rear of the follow-up car, said, "I heard what appeared to be two shots and it seemed as if the right side of his head was hit. "(27)

William Eugene Nesman was standing at the edge of the carch directly in front of a concrate wall on the Grassy Knoll. As the re-nactment photos clearly show, the car was just coming abreast of the concrate wall at frame 313, the Laproder film frame that depicts the fatal head shot Nesman swears in his affidavit filed within hours of the shooting. We were standing at the edge of the carch.

in als affidavit filed within hours of the shooting.

We were standing at the edge of the earb looking at the car as it was coming foward us... he was directly in front of us and 1 was looking directly at him when he was hit in the side of the head (28).

Hurchel Jacks, a Texas highway patroiman and driver of Lyndon, Johnson's car in the motorcade, testified that he saw a right frontal wound on Mr. Kennedy's head in Parkiand Hospital: "... It appeared that the bullet had struck him above the right enr or near the temple." (29) Selt Kantor, of the Scripps Howard newspapers, a member of the Washington press corps who followed the motorcade to Parkiand Hospital, made this apparent reference to the President's head wounds in his notebook. "intered (sic) right temple." (30)

Boy Kellerman, a Secret Service agent who was riding in Kennedy's car and who was present during the Belleseda autopry, was questioned by Commission counsel on the location of the head wounds. He described an entrance wound on the right side of the President's head, at the hatrifine in front of the right car(31)—corroborating the wound location of served by Jacks, as well as the less neese.

the right car(31) corroborating the wound loca-tion observed by Jacks, as well as the less precise "right side entry" observations of Kinney, Hickey

and Newman.

It is doubtful whether these observations can be reconciled with a shot from the sixth floor of the



Commission exhibit 397

Texas School Book Depository. It is equally doubt ful whether they can be reconciled with the findings of the Bethesda autopsy.

#### c) The autopsy at Bethesda

The hattopsy at hecrossia

The black-and white and color photographs haken
during the autopsy at Bethesda Naval Hospital were
turned over, undeveloped, to the Secret Service, (32)
The record shows no midication that the Commission
saw them during its life.

Artist's drawings—instead of the official medical
photographs—were accepted in evidence by the Commission (33) The drawings were made from a verbal
description of the wounds suppoled by the autopsy

description of the wounds supplied by the autopsy doctors themselves -- more than three months after

doctors themselves—more than three months after the autopsy.(34)

Humes conceded that the drawings "are in part schematic. The artist had ... no photographs from which to work, and had to work under ... verbal description, of what we had observed ... If it were necessary to have them absolutely true to scale, I think it would be virtually impossible for him to do this without the photographs."(35)

Vincent Salandria, a Philadelphia attorney and a serious student of the medical evidence, comments. "The Warren Commission was loaded with attorneys. Each one of them knew that no triminal court in the land would have admitted those drawings as evidence without having first required the production of the autopsy X-rays and black-and-white photographs of the body." (36)

Dr. Hums certified on November 24, 1963, that he had "destroyed by burning certain preliminary draft notes relating to Naval Medical School Autopsy Report A63-272 and have officially transmitted all other papers related to this report to higher authority." (37) Later, Dr. Humes testified that he burned the original draft of his autopsy report (38). Not one member of the Commission thought to ask why.

The burning of Homes' draft was only one of The burning of Humes' draft was only one of a series of unusual happenings surrounding the autopsy. The autopsy photographs and X-rays were suppressed. In their stead, the Commission had to rely on belatedly made artists drawings, valueless as evidence Jacqueline Kennedy's freely given description of her hosband's wounds has been inexplicably deleted from her testimony (39) And there is evidence of a possible wound in the forward upper left hand octant of the President's head, unmentioned by the autopsy doctors and ignored by the Commission.

mission.

A full photographic record from the autopsy might belp to clear up the question of a possible wound in the forward upper left-hand octant of the President's head. If such a wound existed, if may have been an exit wound for either a builte or a fragment, or an entry wound for another builter, and there are competent witnesses who swear that it existed.

there are competent witnesses who swear that it existed.

Father Oscar L. Huber, pastor of the Holy Trinity Catholic Church of Dallas, administered the last rites to the President According to one account, he "wet his right thums with holy oil and amounted a Cross over the President's forchead, noticing as he did a 'terrible wound' over his left eye." (40)

Two eyewinnesses to the assassination, James Aligens and Norman Simalls, made statements indicating the existence of a left temporal wound. Altgens, an Associated Press photographer, was standing on the side of Elm Street to the left of the presidential car. He testified:

There were flesh particles that flew out of the side of his head in my direction from where I was standing, so much so that it indicated to me that the shot came out of the left side of his head, (41)

Simalis, a visitor from Toronio, said he was

of his head, (41) Simulis, a visitor from Toronto, said he was ten feet from the President and "could see a bole in the President's left temple and his head and hair were bathed in blood "(42) Neither Similis nor Father Huber was called as a witness before the

Father Huber was called as a witness before the Commission.

Dr. Robert McCleiland of Parkland Hospital—who testified that he was "in such a position that (he) could very closely examine the head wound" (43)—stated in his written report (dated and timed! November 22, 1963, 445 p.m.) that "the cause of death was due to massive head and brain injury from a guisshot wound of the left temple." (44) The Commission Iailed to question Dr. McCleiland about these findings.

Two other doctors, Dr. Giescoke and Dr. Jenkins, noticed a left frontal wound, Jenkins testified, "... I don't know whether this is right or not, but I thought there was a wound on the left temporal area," to which Commission Counsel Specter repiled: "The autopsy report discloses no such development, Dr. Jenkins." (45)

Specter was apparently too busy proving that one builet went fitrough two men to examine carrelly the medical documents he himself admitted into evidence. Included in the autopsy report was the pathologists diagram showing a front view of the President's body, annotated by surgeons during the autopsy, (46) Just over the left eye—where Father Huber had observed a "terrible wound"—there appears a thick black dot, similar to the notation used to identify other wounds on the hoot, A measurement in centimeters, again similar to the notation employed for other wounds on the advent ment on employed for other wounds. used to identify other wounds on the body. A measurement in centimeters, again similar to the notation employed for other wounds, is clearly marked next to the black dot over the left eye. There is no further reference to a wound in the forward upper left hand octant of the President's head, and despite the clear markings on the pathologist's diagram, the autopsy surgeons were not questioned about them.

One would not be so inclined to raise an eyebrow, were it not for the serious questions about the autopsy findings raised here and in Part One.

#### (4. THE WOUND IN THE THROAT)

The Commission's contention that the bullet which emered President Kennedy's back went on to exit at his throat, as the discussion in Part One demon-

strains, is not supported by the evidence.

Left unanswered in that discussion, however, was the question: If the throat wound was not caused by the exit of the back bullet, how was it caused?

One theory is that a piece of bone or a metallic

fragment pierced the President's throat at the time of the fatal head shot. The head shot, however, was not inflicted until Zapruder frame 313, and was not missest unit Zaprucer frame 313, and the President appeared to be grabbing at his thront at least as early as frame 225,(47) about five se-onds before being hit in the head. It is therefore reasonable to assume that the throat wound was not caused by a fragment of bone or metal exiting from the fatal head wound.

The most likely possibility - that the throat wound was caused by a shot fired from the front - is con-

sistent with the statements of Parkland Hospital doctors, the only medical personnel to see the wound. Their statements were reported in press accounts and in testimony before the Commission.

a) "How could the President have been shot in the front from the back?"

In the front iron the back?

Veteran reporter Tom Wicker talked with doctors on the day of the assassimation:

Dr. Maicolm Perry, an attending surgeon, and Dr. Kemp Clark, chief of neurosurgery at Parkland Hospital, gave more details. Mr. Kennedy was hit by a builet in the throat, just below the Adam's apple, thry said. This wound had the appearance of a builet's entry. (48)

they said. This wound had the appearance of a bullet's entry ... (48).

Entry news reports are not always accurate, and it is possible that accounts written in the herichours immediately after the assassination might contain errors. It was four days after the assassination, however, when another external reporter, John Herbers, supported his colleague.

Dallas, Nev. 26. Dr. Kemp Clark, who pronounced Mr. Kennedy dead, said one (ballet) struck him about the necktic knot. "It ranged downward in his chest and did not exit," the surgeon said (49) in the same issue of The New York Times that carried Herbers' story another tem appeared. It clied "informed sources" explaining the frontial entry wound in terms of Oswald firing on the motorcane while it was still on Houston Street, before it made the better than 90 degree turn into Elm. (50).

The "informed sources" quoted by the Times four days after the

the better-than-90 degree turn into Elm. (50). The "informed sources" quoted by the Times four days after the assessmation and the autopsy, explained the Parkiaud doctors' analysis of an entry wound in the throat by concluding that it was inflicted while the motorcade was still on Houston Street. At that time, of course, the Presidential car was faring the Texas School Book Depository, where the alleged sole assassion was firing. The Times said: "The known facts about the bullets, and the position of the assassin, suggested that he started shooting as the President's car was coming toward him, swung his rifle in an arc of almost 180 degrees, and fired at lenst wise more." grees, and fired at least twice more."

grees, and fired at least twice more.

But Life magazine, which had bought the original Zapruder film, soon knew better. The film showed that the President's car had already turned onto Elm and was over 100 feet past the Book Depository (and approaching the Grassy Knoll) when the first wound was inflicted (51).

In a classac example of a left hand unfamiliar with the activities of a right, Life undertook to explain the contradiction. Both the Kennedy Memorital Edition and the Life issue of November 29, both of which carried many frames from its Zapruder film, contained the following:

The description of the President's wounds by a Dallas doctor who tried to save him have added to the rumors. The doctor

have added to the rumors. The doctor num have anded to the rumors. The doctor said that one bullet 'entered the President's throat from the front and then lodged in his body." Since by this time the limousine was 50 yards past Oswaid and the President's back was turned almost directly to the sniper, it has been hard to understand how the bul-let could enter the front of his throat. Hence the recurring guess that there was a second sinper somewhere else. But the 8 mm. film shows the President furning his body far around to the right as he waves to someone in the crowd. His throat is exposed—to-wards the sniper's nest—just before he clutches it (51).

wards the sniper's nest—just before ne clutches it (51). Unifortunately for Life's explanation, the Zapruder film shows no such thing. One had only to look at the film frames published in Life for November 25, 1966—to see that the President was clearly facing forward and turned slightly to the right when be

(Life has now joined with earlier critics in ask-g for a reopening of the investigation.). Nine days after the assassination, the St. Louis

Nine days after the assassination, the St. Louis Post-Dispatch carried a story by renowned reporter Richard Dutiman under the headline, "Uncertainties Remain Despite Police View of Kennedy Death." The subhead was, "Position of Wound is Puzzling—Diff Assallant Have an Accomplies?"

Dutiman wrote: The strangest circumstance of the shooting, in this reporter's opinion, is the position of the throat wound, thought to have been caused by the first of two shoots that strack Mr. Kennedy, Surgeons who attended him at Parkiand Hospital described it as an entrance wound. The question that suggests itself is: How could the President have been shoot in the front from the that suggests used to How could the Presi-dent have been shot in the front from the back? Dr. Perry described the bullet hole as an entrance wound. Dr. McClelland told the Post-Dispatch: "It certainly did look like an extrance wound." He explained that a bullet from a low velocity rife like the one thought to have been used characteristically makes a small entrance wound, sets up shock waves inside the body and tears a big opening when it passes out the other side.

when a passes out he ome sace.

Dr. McClelland conceded that it was possible that the throat wound marked the exit of a bullet fired into the hark of the President's neck. "but we are familiar with wounds," he said. "We see them every day—sometimes several a day. This did appear to be an entrance wound." (52)

Thirteen days after the assassination, the prob-lem of resolving an entry wound in the throat with the proposition that a lone assassin was firing from

the rear had still not been solved. The New York Times carried the following story:(53)
Dalias, Dec. 5... Thirteen days after the assassination of President Rennedy, federal investigators were still reconstructing the crime on film today... An open car with a man and a woman in the back seat simulated again and again today the ride of the President and Mrs. Kennedy on November 22. One question was how the President could have received a bullet in the front of touin have received a builted in the front of the throat from a rifle in the Texas School Book Depository after his car had passed the building and was turning a gentle curve away from it. One explanation from a com-petent source was that the President had turned to his right to wave, and was struck at their w.

turned to his right to wave, and was struck at that moment."

If the FBI, in reconstructing the event 13 days later, had acress to the conclusion of the autopsy—that the throat wound was a wound of exti—li might not have puzzled over this problem. According to Dr. Humes, the autopsy report was written and transmitted to "higher authority" by Sunday, November 24. Why was the FBI reconstructing the crime the "wrong" way on December 5? Did it have the final autopsy report? Did it have another, earlier version? The next lines from the same Times story are not reassuring.

the crime ine "wrong way on December 57 Did it have the final autopsy report? Did it have another, earlier version? The next lines from the same Times story are not reassuring." "The best authority presumable on the exact angle of entry of the builet is the man who conducted the autopsy. He is Dr. J. J. Humes of the Naval Medical Center, Bethesda, Md. Dr. Humes and the has been forbidden to talk." [54]

On the following March 16, Dr. Humes was indeed an authority before the Warren Commission—on the angle of exit. Yet if we are to accept the findings of the Commission—then we must also accept the spectacle of the FBI reconstructing the firmings of the Commission—then we must also accept the spectacle of the FBI reconstructing the time as though the front neck wound were one of entrance inflitted by a lone assassin firing from behind, and doing so two weeks after the autopsy, apparently without access to authoritative medical evidence as to the origin of the shots. J. Edgar Hoover disclosed last November that the FBI and the Warren Commission did not receive official copies of the autopsy report until December 23, 1963, from the United States Secret Service (55). Five days before, on December 18, 1963, this official autopsy report apparently had its first public debut in a news story in the St. Louis Fost Dispatch which carried the head line, "Secret Service Gets Revision on Kennedy Wound." The subhead read: "After Visit by Agents, Doctors Say Shot Was from the Rear." The story stated, in part. Two Secret Service agents called last week on Dallas surgeous who attended President Kennedy and obtained a reversal of their original view that the bullet in his neck entered from the front.

The investigators did so by showing the sur-geons a document described as an mitopsy report from the United States Naval Hos-pital at Bethesda. The surgeons changed their original view to conform with the re-

their original view to conform with the report they were shown.

"There was no coercion at all," Dr. Robert N.
McClelland told the Post-Dispatch. "They didn't say
anything like 'This is what you think, isn't?"

The surgeons' earlier description of a wound
in the front of the President's throat as an
entry wound had cast doubt on the official
helief that Lee Harvey (Sewald was the only
assassin. The surgeons now support the
official view that both bullets that struck the
President were from behind. They now official ciew that footh builders that struck the President were from behind... They now believe that the bullet in the neck entered from the back... and passed out through the hole in front, about two inches below the Adam's apple (56)

#### b) The Parkland Doctors' Testin

Because the outlines of the frontal throat wound were destroyed by an emergency fracheotomy performed in an attempt to revive the Fresident, the only persons able to see the original throat wound were the staff at Parkland Hospital.

were the staff at Parkinnd Hospital.

Let us examine their ustimony.

Dr. Malcoim Perry. "The wound was roughly spherical to oval in shape, not a punched out wound, actually, nor was it particularly ragged. It was rather clean cut, but the blood obscured any detail about the edges of the wound exactly." (58)

Dr. Bobert McClelland. "... if I saw the wound in its state in which Dr. Perry described it to me, I would probably initially think this were an entrance wound. "(59)

Dr. Ronald Jones "The hole was very small and relatively clean cut, as you would see in a bullet that is entering rather than exhing from a patient." (60)

Dr. Charles Baxter. "Judging from the calliber

Dr. Charles Baxter: "Judging from the caliber of the rifle that we later found or became acquaintes with, this would more resemble a wound of en try."(61)

Registered Nurse Margaret Henchliffe also thought it was an entrance wound. She testified that she had never seen an exit builet hole that looked like

The Parkland staff clearly showed, by their testimony, that they observed the throat purcture to have all the characteristics of an entrance wound (small, clean cut) and none of the characteristics of the usual type of exit wound (large, jagged edges). But Commission Counsel Specier was not content to hear testimony on what the only doctors who had seen it observed of the wound. In his questioning, he asked each of them to assume that the bullet had traversed from back to front through the President via a "fascia channel" (fascia are thin tissue membranes that connect muscle), undeflected, without wobble or yaw. The doctors were then asked to express an opinion, based on that type of passage, as to whether the throat puncture was consistent with an exit wound.

Typical was Specter's questioning of Dr. James Carrico;

Permit me to add some James which I. h. ...

Permit me to add some facts which I shall Permit me to add some facts which I shall ask you to assume as being true for purposes of having you express an opinion. First of all, assume that the President is struck by a ... builet frem a rifle ... at a time when the President was approximately 160 to 250 feet from the weapon (Oswald's range), with the President being struck from the rear at a downward angle of approximately 45 degrees (Specier here seems to accept the angle cited in the PBI Summary Report, instead of the angle of about 15 degrees shown in the artist's trawing — Commission Exhibit 385 — which accompanies the autopshown in the artists arraying—Commission Exhibit 385—which accompanies the autop-sy report; this 45 degree angle would render the pass-through theory just that much more ridiculous), being struck on the upper right posterior thorax (near the base of the neck)

posterior thorax (near the base of the neck).

Assume further that the missile passed through the body of the President striking no bones, traversing the neck and sliding between the large muscles in the posterior aspect of the President's body through a fascia channel. then exiting precisely at the point where you observe the puncture wound to exist. Now based on those facts, was the appearance of the wound in your opinion consistent with being an exit wound \( \( \frac{1}{2} \) (63) \)

Pr. Carrico responded:

consistent with being an exit wound (63)
Dr. Carrico responded:
With those facts, and the fact as I understand it no other bullet was found, this would be. I believe ... an exit wound (64)
Dr. Perry, who had given the vivid description of an entry-type wound quoted above, responded to similar questioning. ". with the facts which you have made available and with these assumptions, I believe that it was an exit wound." (65)
It is obvious that such yanked from mouth testimony cannot be taken seriously as independent medical opinion—when, questioned on whether the wound was caused by an entry or an exit, the doctors are asked to assume the wound to be an exit to begin with. Norman Redlich, who wrote chapter three of the Warren Report, made liberal use of such testimony, safely out of context, to support the conclusion that the throat puncture was an exit wound.

Some of the Parkland doctors, however, gave ore argumentative answers to Specter's leading more argu

estions.

Dr. Charles Baxter testified:
Although it would be unusual for a high velocity missile of this type to cause a wound as you have described, the passage through tissue plains—could have well resulted in the sequence which you outline, namely, that the anterior wound does represent a wound of exit—I be would be unlikely because—the further it went, the more jugged would be the damage that it created, so that ordinarily there would have been a rather large wound of exit. (66)

there would have been a rather large wound of exit. (66)

Dr. Romaid Jones was highly dublous of the Commission's thesis, but assembed with one impor-

Commission's thesis, but assessed with one implant condition:

Dr. Jones: If this were an exit wound, you would think that it exited at a very low velocity to produce no more damage than this had done, and if this were a missile of high velocity, you would expect more of an explosive type of exit wound, with more tissue destruction than this appeared to have on superficial examination.

Specier: Would It be consistent, then with an exit wound but of low velocity, as you put it?

Dr. Jones: Yes; of very low velocity to the point that you might think that this bullet harely made it through the soft tissues and just enough to drop out of the skin on the opposite side.(67)

pposite side.(67)

opposite side. (67)

Dr. Jones' testimony is, of singular importance. His condition for conceiling that the throat wound may have been a wound of exit—that the builet had to be traveling so slowly as to "barely make it through"—precludes the possibility that it subsequently went through Connaily. It could not, then, be the same builet that hit Connaily and smashed ten centimeters of his lifth rib, fractured his right wrist, and went on to wound his high. By this criterion, even if the builet defied all the evidence and passed through Kennedy it would not have possessed sufficient energy to cause any of Commily's wounds.

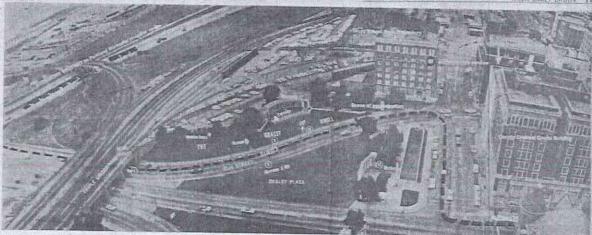
The Zapruder film shows that the President had his back to the Texa School Book Depository throughout the assassination sequence, and that at the time the throat wound was believed to have been infliced, he was facing slightly to his right. This

the line in most women was reserved to have occu-inflicted, be was facing slightly to his right. This position is consistent with the strong evidence that the throat paneture was a wound of entry. There was at least one gumman firing from the front. There were at least three assassins.

## (5. THE 64 WITNESSES INDICATING FIRING FROM THE GRASSY KNOLL AREA)

An estimated 32 known witnesses indicated that shots were fired from the Book Bepository, (67-a) an observation consistent with the strong evidence that at least two gamnes were firing from somewhere to the rear of the motorcade.

By the same token 64 known witnesses indicated



- I. Earle V. Brown
- 2. S. M. Holland, Austin Miller Frank Reilly, James Simmons, Clemon Johnson
- 3. Forrest Sarrels
- James Tague
   Jean Hill and Mary Moorman (still photographer)
- 6. Abraham Zapruder
- 7. Emmett Hudson
- 8. Lee Bowers
- 9. Mr. and Mrs. William Newn 10. Mr. and Mrs. John Chism
- 11. Orville Nix (movie photorapher)
- 12. Mary Muchmore (photo
- 13. Philip Willis still photographer 14. Mrs. Donald Baker
- 15. Danny Arce, Billy Lovelady, O. V. Campbell, Wesley Frazier, Mrs. Charles Davis, Roy Truly, William Shelley, Joseph Molina, Otis Williams, Steven
- Wilson
- 16. Victoria Adams 17. Howard Brennan Commis
- sion's star witness 18. Mr. and Mrs. Arnold Rowland
- 19. Location of many deputy sheriffs Looking forward and to the

knall, topped with some shrubbery, a fence and a concrete arcade, often referred to as "the monu ment." Behind the shrubbery at the top of the Grassy Knoll are a parking lot and railroad tracks.

right from the President's car at the

time of the shooting, was a grassy

that shots originated from forward of the motoreade, from the vicinity of the Grassy Knoll, lending further credence to the physical evidence that President Kennedy was hit from the right from At least four persons saw smoke in the Knoll area, several smelled smoke there, and a healthy majority of witnesses, heard the sound of shots coming from the Knoll. Yet the Commission was able to conclude. There is no question in the mind of any member of the Commission that all the shots. were fired from the sixth floor window of the Texas School Book Depository. There is no credible evidence that the shots were fired . . . from any other location." (67-b) that shots originated from forward of the n

(67-h)
One reason for the Commission's apparent ignorance of this impressive body of evidence is their consistent failure to call witnesses who indicated, in statements to sheriff's depathes or the FBI, that they thought shots came from the Knoll. For example, photographs show approximately 20 persons standing with their backs to the Knoll, lacing the Presidential motorcade, at the time of the assassination. Of these, 12 were interviewed by the sheriff's department or the FBI, 10 of whom though the shots had come from the Knoll directly behind them. Only two were called to testify before the Commission.

Photographs and documents show more than 100 more witnesses to the event than were interviewed by any investigative agency, let alone the Commission. To call then all, said one member of the Commission staff, would have been "redundant."

## A. WITNESSES STANDING ON THE TRIPLE OVERPASS:

al. Sam Holland, railroad signal supervisor for the Union Terminal, was standing on the Triple Overpass. He had been asked by the police to identify railroad employees, since they were to be allowed to remain up there during the motorcade. He said in a sworn affidavit on the day of the assassination:

The President's car was \_\_just about to the arcade (when) I heard what I thought for the moment was a firerracker \_\_ and I looked over towards the arcade and trees and saw a puff of smoke come from the trees \_\_ The puff of smoke is saw definitely came from betind the arcade and through the trees, (68)

beland the arcade and through the trees. (68)
What Holland calls the "arcade"—also called by
er witnesses the "monument"—is a structure on other witnesses the "m

the Grassy Knoil.

Testifying later before the Commission, Holland reierated.

I have no doubt about seeing that puff of

I have no doubt about seeing that puff of smoke come out from under those trees. I definitely saw the puff of smoke and heard the report from under those trees. (69) In his lengthy and detailed testimony, Holland tells about "two policemen that were riding in that motorcade and one of them throwed the motorcycle down right in the middle of the street and run towards that location with his gun in his hand." They were heading, he said, toward "where I saw the puff of smoke. And another one tried to ride up the hill on his motorcycle and got halfway up there and he run up the rest of the way on foot." (70)

Holland advised the Commission that he immediately ran to the corner of the fence near the arcade and that by the time he arrived there were 12 or 15 policemen and people he surmised to be planicothes.

and that by the time he arrived there were 12 or 15 policemen and people he surmised to be plainteighted. He said that among the other cars backed up to the lenne was a station wagon with mud on the bumper "as if someone had cleaned their foot, or should up on the bumper to see over the fence." On the grass by the station wagon was "a spot, I'd say three foot by two foot, looked to me like somebody had been standing there for a long period. I guess if you could count them about a hundred footbracks in

that little spot and also mud up on the bumper of

(73)
34. Clemon Johnson, machinist for the railroad, standing on the Triple Overpass, was interviewed by the FBI (never by the Commission). An FBI report says: "Mr. Johnson stated that white smoke was observed near the pavilion." (74)
a5. Austin L. Miller, mail clerk and tariff compiler for the Texas Louisiana Preight Bureau located in Union Terminal, was standing on the railroad overpass. He testified:

overpass. He testified:

I turned and looked toward the—there is a little plaza sitting on the hill. I looked over there to see if anything was there, who threw the firecracker or winatever it was . . . . . (75) Miller also swears in a sheriff's department affortit "One shot apparently hil the street past the car. I saw something which I thought was smoke or steam coming from a group of trees north of Elm off the railroad tracks." (76)

## B. WITNESSES STANDING ON THE GRASSY KNOLL

b6. Abraham Zapruder, who was filming the bos Abraham Zapruder, who was filming the assassination sequence from a concrete abutment extending from the pavilion, testified to Assistant Commission Counsel Wesley Liebeler:

Liebeler: you say the police ran over behind the concrete structure behind you and down the railroad track behind that, is that tripli?

Zapruder. . . yes, some of them were mo-torcycle cops—I guess they left their motor-cycles running and they were running right behand me, of course, in the line of the shoot-ing. I guess they thought it came from right behind me (77)

befind me (11)

Zapruder said his initial impression was that "it came from back of me," but he added that he could not be positive because "there was too much reverberation. There was an etho which gave me a sound all over." [78] Later in his testimony the following exchange took place:

hange took place:

Zaprader: ... they claim it was proven it sould be done by one man. You know there was an indication there were two?

Liebeler: Your films were extremely helpful to the work of the Commission, Mr. Zapruder. (70).

to the work of the Commission, Mr. Zapruder. (79)
h7. Mary Woodward, Maggie Brown, Aurelia Lorenzo and Ann Donaldson, four newspaperwomen watching the motorcade from the sidewalk near the east end of the pavilion, said they heard"... a horrible, ear-shaftering noise coming from behind us and a little to the right, "(80).

rible, ear-shattering noise coming from behind us and a little to the right." (80)

b. Jean Newman, who was standing halfway between the Stemmons Freeway sign (about halfway town the Eam Street stope) and the Depository facing the motorcade, said in a sheriff's department affidavit: ". . . the shots came from my right" (81) (the Depository was to her left) (82) is sheriff's department affidavit: "I was standing with my wife and three year old boy, we were directly in front of the Stemmons Freeway sign. . . At this point (just

after the second shot was fired), I looked behind me,

after the second shot was fired), I tooked behind me, to see whether it was a fireworks display or some thing."(83) Behind Chism was the Grassy Knoll. 510 Marvin Fave Chism, his wife, said in her affidavir. "It earns from what I thought was behind us." The Chisms were not called to testify before the

Commission.

bl1 and bl2 Mr. and Mrs. William Newman were standing near the curb with their two children, further down from the Stemmons Freeway sign, directly in front of the concrete wail on the Grassy Knoll. In William Newman's sheriff's department affidavit, filed within hours after the shooting, he swears.

swears:

I was looking directly at him when he was hit in the side of the head. Then we fell down on the grass as it seemed that we were in direct path of fire. I thought the shot had come from the garden directly behind me, that was on as elevation from where I was as I was right on the curb. I do not recall looking towards the Texas School Book Depository. I looked back in the vicinity of the garden (85)

Mrs. Gayle Newman supported her husband's testimony. Neither was called by the Commission. bit3. Emmett Hudson, caretaker of Dealey Plaza, was a few feet past the Newmans, standing on the steps that ascend the Grassy Knoll. In his sheriff's department affidavit filed that aftermoon, he swears.

I was sitting on the front steps of the sloping.

". I was sitting on the front steps of the sloping area and about half way down the steps. The shots that I heard definitely came from behind and above me." [86]. Directly "behind and above" Hudson was the wooden fence and parking lot atop the Grassy Knoll. The Depository building is "behind and above" the motorcade.

motorcade.

Notice what happened when Hudson repeated this testimony before Commission Counsel Wesley

beler.

Hudson ... you could tell the shot was coming from above and sind of behind.

Liebeler: How could you tell that?

Hudson: Well, just the sound of it.

Liebeler: You heard it come from sort of behind the motorcade and above?

Hudson: Yes....(87)

114. A. J. Millican, standing on the north side of a Street, about halfway between Houston Street.

Eim Street, about halfway between Houston Street and the underpass on the Grassy Knoil, states in his

Just after the President's car passed, I heard Just after the President's car passed, I heard three shots come from up towards Houston and Elm right by the Book Depository Build-ing and then immediately I heard two more shots come from the Aracde between the Book Store and the underpass, and then three more shots came from the same direction only sounded approximately like a 45 automate, or a high powered rife. Then everybody started running up the hill (88)

## C. WITNESSES STANDING IN DEALEY PLAZA

c15. Ronald B. Fisher, standing on the curb at the southwest corner of Houston and Elm (the Texas School Book Depository is on the northwest corner; the Presidential car was heading west/during the assassination, was questioned by Commission Coun-sel David W. Belin:

Belin: Where did the shots appear to be com-

Bean: where mit the shors appear to de com-ing from?

Fisher: from Just west of the School Book Depository Building There were some railroad tracks and there were some railroad cars back in then

Bellm: And they appeared to be coming from

Fisher: Well, that area somewhere. We ran up to the buy of the hill there where all the Secret Service men had run, finking that that's where the bullets had come from since they werned to be searching that area over (89)

there (89)

c16. Mrs. Jean Hill, school teacher and companion of Mrs. Mary Moorman, was standing on the curt of Dealey Plaza directly opposite the concrete wall on the Knoll—as close to the Presidential limousine as any other witness before the Commission. She testified:

m. Sae testified:
We were standing on the curb and I jumped to the edge of the street and yelled, "Her, we want to take your picture". The shot rang out Mary took the picture and fell to the ground and I grabbed my stacks and said, "Get down, they're shooting." I have always said there were some four to six shots. There were three shots—one right after the other, and is distinct pause—and then I heard move—They were raiher rapidly fired. —I thank there were at least four or five shots and perhaps six. (90)
I trankly thought they were coming from the

The (first) three were fired as though one person were firing just like you could reload and fire again. I thought they (the rest of the shots) were different—I thought the sequence was quicker—more automatic (92). Mrs. Hill testified that she had talked to a Secret Service man on the afternoon of the assussimation, and that she had asked him. "Am I a kook or what's wrong with me." They keep saying three shots—three shots—think we have three wounds and we have three builted an apparent reference to the three spent shells found on the sixth floor of the Depository), three shots is all that we are willing to say right now. (93)
As soon as the motorcade passed, Mrs. Hill testifind, she saw.

— s man up there running, or getting away.

a man up there running, or getting away at the tin of the slope . . . (94)

find, she saw:

a the tip of the elope ... (94)
Commission Counsel Aries Specier had Mrs. Hill indicate the location of the running man of a handdrawn sketch. The sketch appears in the hearings as "Hill Exhibit 5" It is stamped with the notation, "TOP SECRET" (95) Nobody knows why.
Within hours of the shooting, a local newsman, lamss Featherstone, instructed Mrs. Hill not to mention that she had seen the running man. She testified:
He said, "You know you were wrong about seeing a man running." He said, "You didn't ... and I said, "but I did," and he said, "No, don't say that any more on the alt."
He said ... that the shots had come from a window up in the Depository and for me not to say that any more, that I was wrong about it ... (96)
c17. Charles Brehm told politer reporter George Carter of The Dallas Three-Herald that he was standing on the curb approximately the feet from the Presidential limousine when the shots struck. Carter wort." Brehm seemed to think the shots came from in front of or beside the President, He explained the Presidential discussion from the rear." (97)

D. WITNESSES IN OR IMMEDIATELY AUTENTICALLY AUTENTICA

## D. WITNESSES IN OR IMMEDIATELY OUTSIDE THE DEPOSITORY

d18 William Shelley, manager of the Depository, testified that he was on the top landing of the entrance watching the motorcade when he heard the

Ball: What seemed to be the direction or source of the sound? Shelley: Sounded like it came from the west,

(98)

(98)

The Oswald "nest," of course, was directly over Shelley's head. To the west of his position is the Grassy Knoll area.

(1)9. Roy S. Trilly, superintendent of the Depository, was standing in front of the building at the time of the shots. He joined a policeman, Marrian Baker, and showed him the way to the trip of the Depository.

(Commission Counsel David Belin: Where

(Commission Counsel David) Belin: Where d you think the shots came from?

Tridy: I shought the shots came from the viginity (of) the railroad or the WPA project, behind the WPA project west of the building (the reference is to the pavillon on the Knoll). the reference is to be pavaino on the know, Beline. Did you have any conversation with the officer—about where you thought the shots came from?
Truly: I said. "... I think we are wasting our time up here," or words to that effect. "I

don't believe these shots came from the build 991

ing. (99)
d20. Ochus Virgii Campbell, vice-president of the
Depository, was standing next to Truly in front of
the building. He gave on affidavit to the FBI:

I heard shots being fired from a point
which I thought was near the railroad tracks
located over the vinduct on Elm Street (100)

(2) Street William clearwarding of a trail.

book publishing company, watched the motorcade from his current office on the third floor of the De-pository—three floors directly because the Oswald "nest." Wilson said in an FBI affidavit.

At that time it seemed the shots came from the west end of the building or from the col-onnade located on Lim Steet across from the west end of our building. The show really did not sound like they came from above me

d22 Mrs. Aivin Hopson was looking out of a fourth floor window on the south side of the Deposi-tory, facing on Elm Street, during the assessination. Although she was never called by the Warren Com-mission, also was questioned by the FBI, which reported:

mission, abe was questioned by the PBL, wasta-reported.

She stated that it did not sound to her like the sounds were coming from her building.

She stated she thought they had been set off on the street below, and she saw people on the street running toward the underpass and the railroad tracks (102).

223. Mrs. Charles Thomas (Avery) Davis was standing on the steps of the Depository, where she worked, when she heard "three explosions." She told the FBL, "I did not know from which direction the shots had come, but thought they were from the direction of the viadual which crosses Em Street west from where I was standing." (103)

d24. Dorothy Am Garner was watching the motorcade from a fourth floor window in the Depositories of the way and the standing the motorcade from a fourth floor window in the Depositories.

d24 Dorothy Ann Garner was watching the mo-torrade from a fourth floor window in the Deposi-tory when she heard the shots. She said in an FBI affidavit, "I thought at the time the shots or reports tame from a point to the west of the building," (104) d25. Mrs. George Andrew (Dolores Arlene) Kon-nas was outside the Depository, her place of employ-ment, when she heard gunfire. She told the FBI Although I was across the sireet from the De-pository building and was tooking in the di-rection of the building as the motorcade





(Top) Instant of lotal shot from Muchmore film. Car passes between witness Emmett Hudson (middle mo steps of knall) and Mary Moorman and Jean Hill (two women at left. Moorman snaps polarpid picture (see cover) at this moment. Wall is to the right of the stairs, wooden fence to left.

(Bottom) Less than 10 seconds later, car disappears into underpass. Crowd reacts,

passed and following the shots, I did not look up at the building as I had thought the shots came from a westerly direction in the vicinity

came from a westerly direction in the vicinity of the viaduct, 1055.

326. Ost Neville Williams, a bookkeeping supervisor at the Depository, who was standing on the steps of the building when the assassination occurred, told the FB1 that he heard "three loud blasts" and that "I thought these blasts or shots came from the direction of the viaduct which crosses Eim Street." (106)

327. Victoria Adams was waithing from a pair of windows on the fourth floor of the Book Depository, where size worked. The allegard assassing's window was two floors above her and to her left; the Grassy Knoll was below and to her right. Testifying about fire source of the shots, size shift. . . . If seemed as if it came from the right below rather than from the left above. "(107)

d28 Billy Lovelady, an employee of the Depository who as the time of the assassination was standing on the steps at the entrance to the building, was questioned by Commission Counsel Joseph Ball:

Ball. Where was the tirrection of the sound?

Ball: Where was the direction of the sound? Lovelady: Right there around that concrete little deal on that knoll. Ball: That's where it sounded to you?

Lovelady. Yes, sir, to my right . . sounded like it was in that area . . between the underpuse and the building right on that

knoll ...
Bull Did you see anything there?
Lovelady: No, sir, well, just people running ... and heilerin

Ball: How thit you happen to go nown ture Lovelady because everybody was run ung toward that way; everybody though was coming from that direction, (108)

was coming from that direction (108)
Lowtady told the FHI, "I did not at any time believe he shots had come from the Texas School Book Depositors Building," (108)
d 29. Danny Are, who was standing in front of the Depository, where he worked, testified: "I thought (the shots) came from the rathroad tracks to the west," of the Depository (110)
d 30. Wesley Frazier, the Depository employee who had driven Oswald to work that morraing, was standing on the steps of the Depository building, it estified:

Well, to be frank with you I thought it come from down there, you know, where that underpass is. There is a serios, quite a few number, of them rathroad tracks running together and from where I was standing it sounded like it was coming from down the railroad lracks there, (111)
d 31. Joseph Mollina was standing on he steps of the Depository building. He was inserviewed by the Commission.

Ball. Where-what was the source of the

Ball where sound?

Molina: sort of kind of came from the west side: I didn't want to think what was happening; but I wanted to find out so I went down to where the grassy slope is

(112) d32. Mrs. Donald Baker, who had been standing at the southwestern corner of the Depository—at the end of the building pearest the Grassy Knoll—testified that she heard shots after the President's car passed that she heard shots after the President's car pas-the building. Liebeler: This you have any idea where they

Liebeler. Ind you have any idea where they were coming from?

Mrs. Baker. Well, the way it sounded—it sounded like it was coming from ... a rail-road track that runs ... directly behind the building and around ... by ... the triple underpass ... there was a train that looked like a circus train ... back there ... this other girl and I almost run back over fluers and tooked and we didn't see anything ... Just a policeman and several people were down there around the tracks working (Nowhere in the 26 volumes or in the Warren Report do we learn what policeman or trackworkers were in this area behind the grassy knoll during the assassination.)

port do we learn what policeman of trackworkers were in this area behind the grassy knoll during the assassination.)

Licheler But you didn't see anyhody you thought might have been the assassin?

Mrs. Baker. No., sir.
Liebeler. Now, you have subsequently heard, I'm sure, and from reading in the newspapers and one thing and another, that it appears that the shorts actually came from the Texas School Book Depository; is that right?

Mrs. Baker. Yes.
Liebeler. Does that seem possible to you in view of what you heard at the time?

Mrs. Baker. Well, I guess if might have been the wind, but to me it didn't.
Liebeler. The sounds you heard at the time did not appear to come from the Texas School Book Depository Building?

Mrs. Baker. No., sir.
Immediately after the second shot, Mrs. Baker testified she smelled gunpowder but could not determine from where it was coming. Whereas many people initially though the three loud blasts they heard were fineerancers. Mrs. Baker restified to actually seeing what she thought was a firecracker hit to many proposed the property of the property was a firecracker hit to many property.

heard were frectrackers, Mrs. Baker testified to actually seeing what she thought was a firecracker hit the pavement:

"we heard a noise and I thought it was firecrackers, because I saw something hit the pavement you could see the sparks from it and I just thought it was a firecracker and I was thirting that there was somebody fixing to get in a tot oftrouble the kids or whoever threw it. "(113)

d33. James Jarman Jr. a Depository employes, was on the fifth floor of the hollding watching the molerracke from the southeast windows. If thought

was on the fifth floor of the building watching the motorcade from the southeast windows. He thought the shots came from below, near the motorcade, [14]. Jarman was standing with two other employees, home Eay Williams and Harold Noarman, both of whom testified that they beard shots from above them. Upon hearing the shots, however, the immediate reaction of all three men was to run to the west side of the building, not upstairs. "We saw the pollemen and people running. . There are some tracks on the west side of the building, railroad tracks. They were running towards that way and so we all ran that way." (115)

at way."(115) Williams was was later questioned by Commission Gerald Ford:
Ford: Why didn't you go up to the sixth

Williams: I really don't know, We just never did think about it.(116)

## E. MEMBERS OF THE DALLAS COUNTY SHERIFF'S DEPARTMENT

Because law enforcement officers are trained ob-

Because law enforcement officers are trained observers and familiar with firearms, the following sheriffer deputies, as well as Secret Service agents and Dallas police officers in the sections to follow, are being treated separately.

634 E. L. Boone was standing in front of the sheriff's office on Main Street at Bouston, a block south of Ein. He raced across Houston Street when he heard shots coming from the vicinity of the President's car (only Dealey Plans separated him from the car).

"Some of the by standers said the shors came from
the overpass," Storms said, "I ran across the street
(15m) and up the Inthinkings (sic) over the retaining wall and into the traight yard. "(117)

315. Harry Weatherford, standing in the same
place as Become, said in an sworm officiove.

I beard a front report which I thought
was a railread dirigide, as it sounded in it
if came I was rainsing sowards the railread
yards where the sound seeined is come from
(118)

yards where the sound seemed he come from.

(118)

636. Harold E. Elkins, who was also standing in front of the short! To office at the lime of the shoot! ung declared in an investigation report.

I municipately run in the area from which it sounded like the shoes had been fired. This is an area between the militratic and the Transactional Book Depository. There were several other officers in this area, and we secured it from the public. Laber a City of Dallias policeman came to our office with three priseners, who he had arrested on the militratic yards. I took these three he fixed thy jult had been over to Copular in the City of the hose men were, say they were the respective of the disposition of their reason.

637. Symour Weltzman was questioned by Commission Council Ball.

e37. Seymour Welterman was questioned by Cosalent Counsel Ball.

Welterman: I immediately transformed the
President's car. Of contrast it was agreeding
away and neurobody said the door as the
Resident's car. Of contrast it was agreeding
away and neurobody said the door as the
Resident knows the President was able tome
from the wait I furned tably existed host wall.

Ball: What is the incoming it find sail?

Westzman: It would be between the cantrone
overpass and I can't remember the sains of
that this street that cars of film, the catertorms—the section there believes the wall
to you call it?—the measured westland 120;

Ball: Didn't you, when you went over to the

do you call 17—the instantinest section? 120)

Bail: Didn't you, when you werd over to the realizond yard talk to same yardman? Welteman: I asked a gardman of its had seed on heard doything through the masting of the President He and he thought he ask somebody drops consenting through a boath. Bail: Did me yardman tell you when he thought the noise came from? Welteman: Yes, alth he pointed out the wall section where there was a bunch of shrubbery. [121]

can Hoger Craig was a bunch of shrubbery. [121]

can Hoger Craig was standing in front of the shrift office. "At the refort (sic) of the first stan, he shift," office. "At the refort (sic) of the first stan, he shift, office. "At the refort (sic) of the first stan, he shift, office. "At the refort (sic) of the first stan, he shift, office. "At the refort (sic) of the first stan, "I sharted randing," up the terrain on first steel, and into the rational years. "[122]

cits. A. B. McCarley was also standing at the front entirence of the saterily office when the shoet were freed. He said:

I tunked towards the first and son perople ranning towards the radio-algorithm the vicinity of a stockade fence which surrections the path treat varies stated to me find he belies of the summit from the vicinity of a stockade fence which surrections the path treat, 123;

est 2. E. Decker is the affected for ballose County. He was rading in a car minediathy shand of the Frenderic car.

I noted motorcycle officers coming off issure cycles and ranning up the embandance in the Dallas Folice Department dispositors; to not they all others as in my department to immediately all over to the arres where shooting occurred and saturate the arres of the park.

[124]

(123)
The "park" referred to by Shariff Decker is the Grassy Knoll
e44 J. L. Oxford reported that abots rang out as the end of the notocreade passed in front of him. He declared:
Officer McCarley (e38, shorer) and rayself ran across Hussian Street on across Lim and down to the underpose. When we got them, everyone was looking toward the railroad yords. When we got over them, there was a man who told in shall be had seen amoke up in the corner of the fenox We went on up to the corner of the fenox We went on up to the corner of the lence to see what we could find. (125)

to the corner of the lenes to see what we could find . (125) ; \$421 Luke Mooney may another deputy who was standing in front of the sheeff soffice when he heard the sheet. I started running across Houston Street and down seroes the laws to the triple underpass, he stated, "and up the terrace to the raffrond yards. I searched, along with many other officers, this area. "(126)

erea. . (126) ei3. Jack Falkner, a deputy who later helped to search the Depository, said in his investigative re-

post. When we got down to the third floor, we talked to office workers who told in they were looking out of the third floor window when the shoak were fixed from the street near

when the shots were fixed from the strict least
the concrete areada (127)
Nowhere in the 26 volumes or in the Warren Report do we learn who these effice workers are who
apoke to Sheriff Fallane, nor is there any record of
any investigation being concurred to locate them
-24. I. C. Todd, watching the motorcade from
Houston Street, said that after bearing the shots be
'immediately recognized them as being gradie; I
ran across the street and west behind the fail road
tracks: "(128)
-e85 James N. Crawford, deputy district cheric at
the ballow County Dourthouse, watered the motor-

cade from the corner of Houston and Elm. He wa ce from the corner of Heuston and Elm He estimate by Commission Courses Joseph P. Ball. Bid you have an expression as in the source of the source of the source for any and discriming the sound course, the source of the exploition? Cranford Yes 11th 1 thought 8 was a backfire in the cravitate from down the hill down the hill the art the underpose 129).

F. SECRET SERVICE AGENTS

646. Boy Kellerman was the Secret Service agent for the President Be was ruling in the right from sent of the Fresident's car. He testified before the Commission:

. there was a sign on the size of the road which I don't recall shat if was or what it said, but we no more than pissed that and you are out in its open. . (130)

G DALLAS POLICE OFFICERS

g51. Jesse Carry, the cinef of police, spoke over
the police radio at 12.33 p.m.;

Notify sanken free to move differen available
out of my department back into the rathroad
yards and try to determine what imprended
and half sterything server until Homeside
and other toyething of the Presidential carr.

At the time it eccurated the the shoots were
faint next to me. There was something in
my nead that said that they probably could
have been conting from the radition over
poss, because I thought since I had got apidatered, with blood—I was just a little lacks and
left of Mrs. Kennety, but I didn't know
I ran up in this kind of a little wall,
brick wall up there to see if I count get a
better look on the foreign; and of counts, I
was including all around dual place by that
time.

Herris then become there are it is estimated and

senter look on the bridge, and, of course, I was looking all around shall place by that lims. Hargis then jamped back on his metocreycle and roose underneath the linst underpose to look on the opposite side in order to see it i could see anyone running as my from the scene. "(137) g33. Clyde Haygood, the motorrycle policement rating to the right rear of the Presidential car, was just turning the corner from Houston onto Eim when he heard shots.

I could see all these pupple laying on the ground there on 2in. Some of them were pointing back up to the railroad yard, and a couple of people were headed back up that way. And I left my motor on the street and run to the railroad yard, 1389 g54. E. L. Smith, who at the time of the shorts was standing cole-corner from the Depository, less fied to the Commission.

I thought when it came to my mindthat there shots, and I was prefty sure layert were when I saw his (President Kumedy's) car because they were inaving its such a thurry, I thought they were coming from this area hery the Grassy Knoll area, and I ran overthere and checked back of n. (139) g55. J. M. Sonth was standing at Houston and Main when he heard the shots. He testified,"

This woman came up to me and she was lest in hystatics. She told me, 'They are shooting the President from the busines. (140) Smith safe is run past fire Depository, up the Grassy Knoll and into the parking to became the same the run past fire Depository, up the Grassy Knoll and into the parking to became the same the run past fire Depository, up the Grassy Knoll and into the parking to became the same the run past fire Depository up the Grassy Knoll and into the parking to became the same the run past fire Depository up the Grassy Knoll and into the parking to be cannot be the run past fire the past of the cannot be the run past fire the past of the past of the past of the run past fire the past of the run past fire the past of the past of the past of the run past fire the past of the past

and that he amelied jumposed there, a "faint small of h-1 could bell it was in the air (141).

268. Early Brown, on city to u realized over pass directly behind the realized yards, section, 1 card there is noticed this gunpowder, (142).

## H. WITNESSES RIDING IN THE MOTORCADE

The Dalias Times Therap with photographer for Dalias Times Therap who rock in the motor cade, immilied.

It did sound like it came from shead of an er from that general scientify had I recild not till whether it was high up or on the ground.

It did sound as though it came from somewhere round as though it came from somewhere the cade 145 motors. code: 143)

code 143)
Jackson also saw a rifle being withdrawn from a window of the Depository
his. Mrs. John Connally, wife of the governor, and a passenger in the Presidential Immosane, testifed. "I had no thought of whether they were high or low or where. They just came from the right; southead the they were to my rain." (144) Threety to Mrs. Counally's right was the Grassy Knoll, his Malcoin Counsel bavid Belin:
Belin: In there any partitionar reason, Mr. Countission Counsel bavid Belin:
Belin: In these any partitionar reason, Mr. Countission Counsel bavid Belin:
Belin: In these any partitionar reason, Mr. Countission Counsel bavid Belin:
Belin: In these any partitionar reason, Mr. Countission Counsel bavid Belin:
Belin: In these any partitionar reason, Mr. Countission Counsel Book Depository Building institution of the School Book Depository Building institution of the School Book Depository Building institution of the School Book Depository Building institution.

County: The excitences on the excursion.

All the politences had their pistols published and neophysics repolitions hack around force shrinks. You would think there was a chase golder on it that threetlom (145) had bridge under Jones and Jones shrinks. The work of the follow-up car, and in an affiliated:

My first impression was that the about come from the right and overhead, but I also tad a flecting impression that the roles appeared to come from the from in the meas of the Triple Coverpias. Disa may have resulted from my leeling, when I looked forward to ward the overpass, that we might have ridden into an ambush (146).

L OTHER WITNESSES

#### L OTHER WEINESSES

into an ambush (146)

LOTHER WITNESSES

1611 Lev Bowers, insurman for the Union Terminal Company, were at such in a malroad tower 14 feet high, incared just sorth of the Grassy Kroll he hind the curring raininad macks. He tells of three cars that slowly crushed the area during the half hour before the shooting.

Two that out-of-state planes, he said, and a third, a 1957 black Ford, has "true male in a that seemed to have a mile or simplisme. He was very close to the insert. Louid see hom."

The last Bowers saw of another of the care, "The last Bowers saw of another of the care, "The same panents," pat down the assumention site. At the moment I heard the sound I was looking directly spearfs the term. At the kines of the shooting there because to be some committee.

I not am unable to describe rubser thank was something out of the ordinary, a sort of milling around, but something occurred in this purficular spot which was not of the ordinary, a word of mental my eye for some reason, which I could not distrilly 142?

162 James Tague, an entire place and the mouth of the Triple Undergrass which has been the mouth of the Triple Undergrass which has been a been the mouth of the Triple Undergrass which has been a battle struct the curring was him. He hold the Commission.

My fard Impression was that up by the wind ever you call the monuroes. A something towards in the check after a battle struct the curring troub.

After Tague expressed the opinion that the shots had come from my 163. The following questioning took place by Counsel Labeler.

Liebeler. Of cruars, now we have other evidence that wood indicate that the shots due to the struct when the shots were freel in the first place. By you heard and saw han dray, that the shots book bend Deposition, but see if we can disregard that and determine just what you heard and saw han dray, that the shots only have deferred in the first place.

Po you think that it is above sould have come from the gray for the place of the place of the check of the place of the check of th

School Book Depository?
Tague: Yes
Liebder: There was in fact a considerable colo in that area?
Tague: There was no scho from where I stood. I was asked this question before, and there was no echo, [488].
163. J. C. Price had been standing on the root of the Terminal Amnex Building. He said in a sheriff's deposition.

There was a second

deposition:

There was a volley of shots. I think five
I saw one man run towards the pessenger cars on the railroad siding after the volley of shots. He had something in his
hand, I couldn't be sure but it may have been
a sead piece (149)
ities. Armeld Rowland, who at the time of the
shooting was standing with his side in from of the
Pallas Courfinnies, should 150 feet from the sorrar
of Main and Houston Streets, gars his impression
of the point of origin of the first short.
I dign't look at the building mainly, and as

there then will tell you, the echo effect was such that it sounded like it came from the railroad yards. That is where I looked, that is where all the policemen, everyone, con-verged on the railroads...

verged on the railroads.
Specter: Why, did you not look back at the Texas School Book Depository Building in view of the fact that you had seen a man with a rifle up there earlier in the day?
Bowland: ... It was mostly due to ... the fact that it sounded like it earnef rom this area (indicating the Triple Underpass on Commission Exhibit 354) and that all the officers, enforcement officers, were converging on that area and I just didn't pay any attention to it at that time (150) at that time. (150)

## Recapitulation:

We have presented two separate bodies of evi-dence, each of which adds another gumman to the single assassin posited by the Commission. From his, we have concluded that there were at least three assassins firing, and that President Kennedy was caught in a crossfire on November 22.

One body of evidence shows that someone was firing on the motorcade from the rear in addition to the guuman firing the Italian bolt-action rifle (151) 1) Both Kennedy and Governor Connaily, as the Commission concluded, were strack from the rear in less time than the minimum time needed to fire the alleged murder weapon twice

2) The Commission's attempt to prove the existence of a single assassin by showing that one bullet fired from the rear struck both men, collides with the

evidence now available shows that the bullet entered the President's back at a point lower than that posited by the Commission. Further, there is no conclusive evidence that it left a continuous path through the President's body, or that it exited at his

throat.

b) Testimony of Governor and Mrs. Connally, together with study of the Zapruder film, shows that
he and President Kennedy were hit from the rear by arate bullets.

separate raties.

e) The Commission's own experts contradicted the Commission thesis that a bullet (Exhibit 399), discovered unmuffiated on a stretcher in Parkland Hospital, caused all the wounds of Governor Connally

3) One bullet fired from the rear did not pass through 3) One main trea from the rear monoring pass in rough. President Kennedy and then go on to cause all of Connally's wounds. Wounded within less than 2.3 seconds of each other, they were hit by separate bul-lets. There were at least two assassins firing from the rear. (151)

A second body of evidence shows that at least one gunnan was firing from a position forward of

In Shody and measurement of the Zapruder film shows the President's head snapping sharply back and to the left, consistent with a shot fired from the right fromt, where the Grassy Knoil is sibunied. For the falal shot to have been fired from the rear would violate. Newton's law of conservation of momentum— barring a highly improbable neuromuscular reac-tion sufficiently strong to overcome any trace of the impact of a bullet traveling 1300 miles an hour.

 Medical testimony of the Parkland doctors shows a wound of exit on the right year portion of the President's head, consistent with a shot fired from the front

3) Medical testimony of the Parkland staff, the only doctors to view the bullet note in the President's throat before it was obliterated by the trachecotomy, shows that based on the appearance of the wound, it was a wound of entry—consistent with a shot from the front.

49) Testimony of 64 witnesses to the assassination shows that shots originated from forward of the motorcade, from the area of the Grassy Knoll Witnesses saw smoke rising from the Knoll area, heard the sound of gunfire coming from the Knoll, and smelled amoke betind the Knoll.

These two arguments are logically independent of each other. The validity of either adds one gunnan to the Commission's version of the assassination. If either argument could be proved invalid, it would not affect the validity of the other.

We feel the evidence is persuasive that there were at least three gurmen firing at the Presidential motor-cade in Dallas. And we feel that a thorough re-investigation should be launched immediately—with the full resources of the United States government and private citizens at its disposal—to discover the identity of the three or more assassins, and the iden-

#### Footnotes to Part II:

- 1-XVIII, 1-80
- 2-XVII, 901 3-WR 115.
- 4-WH 19
- 5-WR 169
- 7-Thomas Stamm, unpublished treatise; italics B-V, 169

9—The rate of change of momentum is proportional to the impressed force, and is in the direction in which the force acts. (Note by Dr. Riddle)

9A—We must be careful how we apply these principles. It is only in cases where the impact is with hone, i.e. a rigid part of the body, that a defin-ite statement of the resulting motion can be made. This is true of the present case, but not, for example, of a hit in the stomach. (Note by Dr. Biddle)

98-J. Edgar Hoover has acknowledged that two of these film frames, 314 and 315, were trans-posed in publication in Volume XVIII. (Note by Ir. Hadde)

10—The initial motion of the head (frames 312-313) is consistent with a bullet fired from an eleva-tion of about 25 degrees or more from the direction we have postulated, since this would cause a turning motion about the neck in the direction observed. (Note by Dr. Riddle)

11—"Mrs. Connally heard a second shot fired and pulled her husband down into her lap . . . The governor was lying with his head on his wife's lap when he heard a shot hit the President. At that point, both Governor and Mrs. Connally observed brain when he heard a shot hit the President. At that point, both Governor and Mrs. Connally observed brain issue spattered over the interior of the car. According to Governor and Mrs. Connally, it was after this shot that Kellerman issued emergency instructions and the car accelerated." (WR 50) Note that no other testimony relating to this point is adduced in the Report. The Commission apparently accepted the testimony of the Governor and his wife on this point as accurate and factual. See also testimony of Clint Hill, Secret Service agent who jumped on the back of the President's car, about the sudden acceleration of the car.". In huitial surge was quite violent, because it almost jerked me off the left rear stephoard." (II, 141) Lyndal Shaneyfelt, the FBI photo expert, testified.". I examined the Laproder film and determined that Agent Hill first places his hand on the Presidential car at frame 343. This is approximately 1.6 seconds after the Presidential shift in the head at frame 313. Special Agent Hill placed one foot on the bumper of the car at frame 368, which is approximately thres seconds after frame 313. Agent Hill had hoth fix on the car at frame 313, hinch is approximately 3.7 seconds after frame 313, Agent Hill had hoth fix on the car at frame 313, hinch is approximately 3.7 seconds after frame 313, Agent Hill had hoth fix on the car at frame 313, agent Hill had hoth fix on the car at frame 314, agent Hill had hoth fix on the car at frame 315, which is approximately 3.7 seconds after frame 313, Agent Hill had hoth fix on the car at frame 314, agent of the car at the car did not accelerate until several seconds after frame 315, but he can be a frame at a frame 315, agent of the car at frame 315, agent and the car at frame 315,

12 - Even if the built impacted in such a way as to cause a turning motion of the head, we would expect to see some forward motion before the head is completely turned (see footnote 9); we see only a backward motion. (Note by Dr. Riddle)

13—R. A. J. Biddle, private study conflucted for Ramparts; previously unpublished. 14—VI, 56; italics added. 15—VI, 33. 16—VI, 40-41.

17-VI, 20 18-VI, 11 19-VI, 65

20-VI, 136. 21-II, 141

21 - Mr 538-43. 23 - WR 86. 24 - VI, 136. 25 - VI, 46, 71, 74, 11, 25, 35, 42; II, 128.

26 – XVIII, 731, 27 – XVIII, 765; italics added 28 – XIX, 490; italics added 29 – XVIII, 801, 30 – XX, 353,

30.—XX, 553.

31.—II. 81. Kellerman's first observation was of the gaping (exit) wound in the right rear portion of the head, which he described as "to fite left of the (right) ear..., and a little high." The President's body was fare down when Kellerman made this observation. Clearly, he is measuring leftward from the right ear. Kellerman went on to say, "Entry mot this man's head was right below that wound, right here." Specier: "Indicating the bottom of the hairline immediately to the right of the (right) ear about the lower third of the sar? "Kellerman," Hight..." Specier: "What was the size of that aperture?" Kellerman, The little frager." Again, it is apparent that Kellerman is measuring from the right ear.

32.—WK 542.

32-WR 542. 33 — Commission Exhibits 365, 386, 388, 34 — XVI, 984, 35 — II, 349-50,

Liberation, March 1965, Italies in original.

37 - XVII. 48.

37 – XVII, 48.
38 – II, 373.
39 – V. 180.
40 – Thilarieiphia Sunday Bulletin, Nov. 24, 1963.
41 – VII, 518.
42 – New York Times, Nov. 23, 1963.
43 – VI, 33.
43 – VI, 33.

44-XVII, 12

45-VI, 48. 46-XVII, 45.

47-WR 98 48-New York Times, Nov. 23, 1963; hold face

49-New York Times, Nov. 27, 1963; bold face ndded.

50-New York Times, Nov. 27, 1963; bold fare

30 New York Times, Nov. 27, 1995, both rate added 51 — "Life Kennedy Memorial Edition, December, 1963; Also, Life, November 29, 1963"

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52 - St. Louis Post-Dispatch, Dec. 1, 1963; bold-
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52-3. Datas Post-Displaces, Dec. 1, 1963; boldiere face added. 53-New York Times, Dec. 6, 1963; boldiere added.

54 - New York Times, Dec. 6, 1963; boldface

55.— New York Times, Nov. 26, 1966. 56.—St. Louis Post-Dispatch, Dec. 18, 1963. 57.—VI, 43.

59-VI, 37. 60-VI, 55. 61-VI, 42.

01-V. 42.
62-VI, 141.
63-III, 362, boldface added.
64-III, 362, WR 92.
65-III, 373, WR 92.
66-VI, 42, boldface added.
67-VI, 56.
67A-Harold Feldman, Misority of One, March.

67B-WR 19

68-XXIV, 212 69-VI, 244

70-VI, 247. 71-VI, 244-6.

74-XXII, 836.

75-VI 225

76 – XIX, 485. 77 – VII, 571. 78 – VII, 571-2.

79 - VII. 576.

80 — Dallas Morning News, Nov. 23, 1963; Feir un, Minority of One, March, 1965. 81 — XXIV, 218. 82 — XXII, 843.

83-XXIV, 204

84-XXIV, 205

85 — XXIV, 219, boldface added. 86 — XXIV, 213 87 — VII, 560; boldface added. 88 — XIX, 486.

89-VL 195-6.

90 VI 206

94-VL 210-3

95 – XX, 158 96 – VI, 222 97 – Dallas Times-Herald, Nov. 22, 1963

98-VI, 328-9. 99-HI, 227.

- XXII, 638 - XXII, 685 - XXIV, 521

XXII. 642

104-XXII, 648, 105-XXII, 659,

106 - XXII, 559 106 - XXII, 583 107 - VI, 388 108 - VI, 338 9 189 - XXII, 662 110 - VI, 365 111 - II, 234 112 - VI, 371 2

113 - VII, 510-1 114 - III, 204 115 - III, 175 116 - III, 177

117-XIX 508

116 - XIX, 502. 119 - XIX, 540. 120 - VII, 106.

121-VII, 109, 122-XIX, 524

122 - XIX, 524 123 - XIX, 514 124 - XIX, 518 125 - XIX, 530 126 - XIX, 530 127 - XIX, 511 128 - XIX, 511 129 - VI, 173 130 - II, 73 131 - II, 74 132 - II, 144 133 - XVIII, 739 134 - XVIII, 754 136 - XIX, 390 I.

136 – XXI, 390 L 137 – VI, 294 6 138 – VI, 298

139-VII, 568-9.

140 – VII, 535. 141 – The Texas Observer, Dec. 13, 1963. 142 – VI, 233.

143-II, 162 144 – IV, 149; boldface added 145 – VI, 159-60. 146 – VII, 473.

147-VL 286-8 148-VIL 557

149—311, 482, 150—11, 180.1 151—See Part One section 5, for a consideration of the possibility that the Carcano rife was not used in the assassination.

Research Consultants - Mac Brussel, Marjorie champs, Penn Jones Jr., Jones Harris, Paul Hoch, Ray Marcus, Shiricy Martin, Elizabeth Stoneborough

are indebted to Edward Jay Epstein, Harold Feidman, Mark Lane, Sylvia Meagher, Vincent Salandria and Harold Weisberg for their pioneer research on the assassination.