# Part 1. Introduction

## Who Assessingted President Kennedy?

On November 22, 1953, in Dallas, Texas, President John F. Kennedy, while riding in an open limousine through Dealey Plaza and waving to the sursounding crowds, was shot to death. Lee Harvey Oswald, an ex-Marine, and former visitor to the Soviet Union. was arrested that afternoon in a movie theatre in another section of Daliss; that night he was charged with shooting Frestucat kennedy from the sixth floor easternmost window of the Texas School Bank Deposttory Building everlowing Beatey Plaza. This act Oswald Jenied steedily through two days of questioning (no record of questions and answers was ever preserved). Two days later while Uswald was being Arnnsferred from one jail to another, he was shot by Jack Ruby, a Dallas night-club owner. In the basement of the Ballas police station, while millions of Americans watched on television. The commission of investigation, appointed by President Lyndon B. Johnson, and headed by Chief Justice Earl Marren of the U. S. Septeme Court, published its report in September 1994, and concluded that Oswald was the sole assassin and that there was no conspiracy.

In view of the authority of the Warren Commission, that conclusion was accepted by many Americans for a long time. But the conclusion cannot be considered true by any person who carefully considers the crucial evidence — such as the physics of the shooting, the timing of a number of events, and other important and wateriable facts. In other words, Oswald was not the sole essassin, and there wes a conspiracy.

This article will evelop that thesis, prove it , to be true on the basis of substantial, conclusive evidence, and in particular some analysis of the photographic evidence.

There was in fact a conspiracy. Oswald played a role in the conspiracy, although there is conclusive evidence that on November 22, 1963, he did no shooting at Fressent Kennedy, and that, just as he claimed when he was in the Dallas jail, he was a "patsy." At least three gummen (and probably four) — none of whom were in the sixth floor easternmost window of the Texas School Book Depository building where the Warren Commission placed Oswald — fired a total of six shots at President Kennedy.

One of these shots missed entirely: one hit Governor John B. Cozwally, Jr. of Texas, riding with Kennedy: and four hit President Kennedy, one in his throat, one is his back, and two in his head. (The bulk of the undeniable evidence for there statements about the shots consists of: (a) the physics of the motions of Kennedy and Connally shown in some so frames of the famous film by Abruham Zapruder: (b) the locations of the imjuries in Kennedy and in Connally: and (c) sore than 100 pictures, coasisting of more than 30 still photographs and more than 70 frames of movies.)

Nore than 50 persons were involved in the conspiracy at the time of firing the shots. These persons included memors of the Dallas police force (but not all of the Dallas police — and that ac-

Hote from the Publisher: In order to include the article by Richard E. Sprague in this issue of <u>Computern and Automatics</u>, it was necessary to type the article in the type field of and "Acroase the Light" Deak" section, rather than the usual typeface for our articles. He regret any reduction in legibility that may have resulted. counts for some strange events), elements of the Central Intelligence Agency, some not-Castro Cunam exiles, some adventurers from New Orleans, and some other groups. After the Assassination, some very highly placed persons in the United States government became accessories to the ernes. In other words, they participated in assiduous concealment of important facts, in shielding the perpetrators of the ernes, and in spreading a three layer of rewritten history (in the manner of George Orwell's famous novel 1944) over the whole ernes.

Of course, assorting these statements makes them ceither true ner believable. Without very strong evidence, it would be evil to make such statements. As to believability, prior to District Attviney Jim Garrison's trial of Clay Shaw in New Cilcans in Feb. and March, 1967, public opinion polls in the United States showed that over 75 percent of the people in the United States believed that there was a conspiracy. The press, radio, and 1/ Almost everywhere in the United States reported Girfuson's investigation and the New Orleans trial is a very distorted way. F. rthermore, Garrison did infiprore to the satisfaction of the New Orleans jury that Clay Shaw was involved in the conspiracy, even though he proved that Snaw knew and met Oweald. The news media of the United States (except for 144 newspapers in New Grieans) reported the trial in such a way as to show that no conspiracy existed. The media largely succeeded in changing U.S. public opinion, if we judge from the falling off of the noll percentages.

But the United States' media have been proved wrong many times before, and they will be proved wrong again in this case. For example, the press of the United States almost entirely refused to believe for five years (1903 to 1909) that the wrong brothers had flown in a flying machine heavier that air. Only after the Wright brothers had won spectacular air races and demonstrated other successful flights in France, did the majority of the "hardheaded" American press believe that the Wright brothers had flown!

But the evidence cited or referred to in this article, and the existing photographic evidence and its analysis, a little of which is published here. establishes the fact of conspiracy. This evidence along with other evidence should and can initialize a major change in the beliefs of the people of the United States. As for beliefs of the people of Europe, it has long been and still is accepted there that President John F. Kennedy was assessinated by a conspiracy.

#### What is the Evidence?

The evidence for the statement — "the Warren Commission conclusions are false" — is now overwhelming.

There now exists not only a mountain of new exidence, but also considerable new analysis of the old evidence, the evidence which the Commission itself published in the 26 volumes of Evidence and licarings accompanying the Warren Report. Much of the new evidence and the new analyses of the old evidence are available for any serious researcher's inspection; if any such person is interested, he should write me.

There are four prime sources of new evidence and analysis:

 Researchers all over the United States, some affiliated with the National Committee to Investigate Assassinations (NCTiA), others acting independently but cooperating with the NCTIA, have obtained new evidence from witnesses, and even from conspirators including emissions and confessions.

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#### reproduced 48 ocscribed in this article.

- 3. Researchers have produced scientific, sol
  - idly-based analyses of the old and new evidence and published these analyses in
  - books and articles.
  - 4. The office of District Attorney Jim Garrison in tew Orleans has, under his direction, carried on fand continues to carry on) an extensive investigation of President Ken-

nedy's assassination. Much of this evidence has been made available to the NCTIA. This article concentrates on some of the photographic evidence and problems of computerized anal-However, for the benefit of readers who vs1s. would like to examine some of the other evidence. a few very important and interesting references will be mentioned next.

## Four Important Reference Books

One valuable book is Str Seconds in Hallas, by Professor Josiah Thompson, a professor of philosophy at Haverford College, Haverford, Pa., published in 1960 by Hernard Geis and Associates, New York, 323 Thompson made a thorough and competent analy pages. ysis of the happenings during the six seconds when President Kennedy and Governor Connally of Texas were shot. With the cooperation of life magazine during the first part of his investigation, he looked at the clear original of the Zapruder film. tAfter that, Life magazine locked the film up and denied any further access, until Garrison subpoenaed the film for the New Orleans trial of Clay Snaw.) Thompson showed that at least three gunmen shot at the President, and that one of the fatal shots came from the front and not the wack.

Another impeccably scholarly book is Accessories after the Fact, by Sylvia Neagher, published in 1967 by Bobos Merrill Co., Indianapolis, Ind., 477 pages. She presents a most thorough analysis of the gaps, conflicts, contradictions, and failures to investigate, that are clearly revealed by careful study of the Warren Commission Report and the 26 volumes of supporting documents.

A third important book is <u>Inquest:</u> the <u>Warren</u> <u>Commission and the Establishment of Truth</u>, by Edthe Warren ward Jay Epstein, published by the Viking Press. New York, N.Y., 1966, 224 pp. Epstein makes a pregnant remark at the beginning of his Chapter 9. "The major problem in the writing of the Report was the selection of the evidence. From the tens of thou-sands of pages of evidence, which facts were to be included and which facts excluded?" This book is an illuminating account of what actually did happen in the work of the staff of the Warren Commission. and why and how they could have reached the wrong conclusions.

A fourth significant book is Farewell America. by James Hepburn, published in Canada and in Bel-gium by Frontiers Publishing Co., Vaduz, Liechteastein, 1968, 418 pp. (One cannot be sued in Liechtenstein.) This book is apparently based largely on information collected by certain former members of the French intelligence service, who penetrated the plot to assassinate President Kennedy. According to the book jacket, the author, James Hepburn. attended the London School of Economics and later graduated from the Institute of Political Studies in Paris. (liowever, "Hepburn" is a pseudonym.) The book gives a large amount of information about the plot to assassinate Kennedy. its background, and parallels in history. The book alleges that J. Edgar Hoover knew of the plot beforehand and did

nothing to stop it. It also alleges that a Texas oil millionaire, some other oil men, some Texas and

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government, many memoers of the Dallas Folice Hepartment, and many members of the CIA, the FUI, and the Secret Service, all were involved in the plot. I do not agree with nor believe some of these allecations.

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Appendix 1 of this Look lists many "classified" documents in the National Archives of the United States, such as no. 431, a secret CIA document en-titled "Oswald's access to information atout the U-2" (the spy plane). Appendix 2 lists "More refer-ences, eatilied "reports, econanda, and documents" such as "Dossier Richard N. Holms", "General Dynamics Dossier F 111" - tot how to get access to these references is nowtere mentioned. Pages 300 to 324 contain a remarksule account of twenty years' activity by the CIA. Much of the information in the book is clearly true; other information is probable or plausible; some information is clearly in the category "possible but hard to believe" and by no means proved.

For reasons that may be guessed, this book is very hard to obtain in the United States but it can be bought in other countries. Although it has Library of Congress catalog no. 68-57391, at the Li-brary of Congress it is "not available". Commercial importation of the boor has been blocked by the U.S. Customs and the U.S. Post Office. A movie with the basic tile has been miss by the publishers of the baok; the movie. "Farekell America", has been shown in several European cities, but no copies of the film are so far evailable in the United States.

A number of important reference books are included in the partial bibliography at the end of this erticle. Among the more important authors are Harold Heisterg, Paris Giammande, Hark Lane, Rosemary James, Juachim Joesten, and Raymond Marcus, A fuller bibliography is available from the NCTIA.

## The New Orleans Trial of Clay Shaw

One of the largest additional installments of new public evidence came out of three weeks of court testimosy given in New Orless, Feb. and March, 1969, when District Attorney Jim Garrison charged Clay Shaw with having a part in the conspiracy to assassinate President Kennedy.

The trial was accurately and very fully reported In The Times Picayune, Feb. 7, 1969 to March 2, 1969, the leasing daily paper in New Orleans, published since lost. The record of the trial as published in The Tires Picarune contains many indications that:

- 1. Clay Snaw Jid know and meet with Lee Harvey . Oswald (dead), David Ferrie (dead), and Jack Ruby (dead), and exchange money with them. Twelve witnesses saw them together in twos and threes, at various times and places. 2. There were at least three gunden in Dealey
- Plaza firing at President Kennedy on Novem-ber 22, 1963, from at least two directions, and therefore there was a conspiracy.

What Garrison failed to prove to the satisfaction of the New Orleans jury was that Clay Shaw was involved in the conspiracy in Dallas.

#### The Miami Police Tape

Among the pieces of new public evidence is the "Miami Police Tape." In September 1963, President John F. Kennedy gave a speech in Miami, Florida. Prior to this time a Niami police informer who had infiltrated the National States Rights Party interviewed one of its chieftains, a Mr. Milteer, in a hotel room in Mismi. Unknown to Milteer the room had been bugged by the Wismi police and the interview was taped. The informer drew Hilteer out on

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the subject of assassinations. Milters said that Jack Kennerjy was going to be assassinated either in Miani or in some other city by individuals who were connected with right wing groups including the Minute Nen and the National States Hights Party. He said it would be done with a high-power rifle from a high point in a city building and that a patsy would be picked up by the police afterwards. He suid a ran using the name Brown was the most likely one to do it. He added that Brown had been following Wartin Luther King shound the country for several months trying to assistante him too.

The Miami police turned the information over to the Fill, who informed the Miami police that they had turned it over to the Secret Service.

Kennedy was well protected in Hinmi and exposed himself as little as possible, apparently partly as a result of the Secret Service receiving the information.

On the morning of November 22, 1963, Milter telephoned the informer to say that Jack Kennedy was coming that day to Dallas, and would prohably never be seen in Mismi again. The informer interpreted this to mean that Kennedy would be shot in Dallas, and says that he reported this information to the Mismi police. The Mismi police in turn reported the information to the Mismi office of the fBI.

After the assassination, the Hiami police assumed that either the FBI or the Secret Service were following up on these leads. So the Miami police remained silent. When District Attorney Jim Untrison contacted them in late 1966, prior to public announcement of his investigation, the Miami police learned of Garrison's evidence about a conspiracy. They become very disturbed, and then decided in January 1967 to make the tape public. (Garrison's investigation did not become public until February 1967.) The Mismi tape was played for a group of newsmen in the Hiswi police headquarters in January 1967. Stories about the tape appeared in several newspapers, but not in The New York Times nor in other leading newspapers, in spite of the importance of the story.

The FBI and the Secret Service had all the above information from the Miami police prior to the formation of the Warren Commission. Yet none of the above information appears in the Warren Commission Report, in the 26 accompanying volumes, or in the Warren Commission archives which have bern made public.

## Oswald's Message to the FBI

Among other evidence collected by Garrison (and confirmed by Mark Lone) is the fact that Oswald telephoned the Dallas. Texas, office of the FBI on November 20, 1963, and told them that President Kennedy was going to be assassinated on November 22. An FBI teletype messago was sent that day to J. Edgar Hoorer with that information. A repeat teletype message with that information was also sent on that day to the New Orleans office of the FBI, apparently because of Oswald's former presence in New Orleans. A clerk in the New Orleans office of the FBI revealed the existence of the teletype message, and gave a deposition to that effect to Garrison. He also revealed the existence of that teletype mes-

also revealed the existence of that teletype message to Attorney Mark Lane after Garrison's investigation was made public. No statement about this message appears in the Warren Commission Report, in the twenty-six accompanying volumes, or in the Warren Commission Archives.

#### The Radio Communicator

One of the interesting events prior to the trial of Clay Shaw in 1969 was the finding of a man named Jim lifeks. We there up voluntarily in Garrison"s office. Carrison and one of the researchers. Jones Harris, suddenly realized that they had seen his picture before, as not of the persons in Healey "lava near the time of the fatal shooting (See Fig. 41). Hicks and ited that he was the radio communicator among the rifle teams since they were out of sight from each other, and of course each team would need to incom what was going on. Jim Hicks had set up a communications center at the Adolphus Hotel prior to the assassination. The photograph Harris had seen is a picture of Jim Hicks in bealey Plaza just after the shots, with his radio in his left rear trouser pocket and anteane hanging down outside. (See the foreground of Figure 11.)

Since the time of his somissions. Jim Hicks has been locked up in an Air Force Hospital for the insame located in Oklahoma.

#### Strange Events

In the Warren Commission's activities, there are many strange events, extraordinary patterns of behavior, and important unanswered questions to which the Warren Commission paid almost no attention. There are more than 50 instances of these strange events — where the Warren Commission did not look, or looked aside, as if they were trying mot to see. 'Among these are the following:

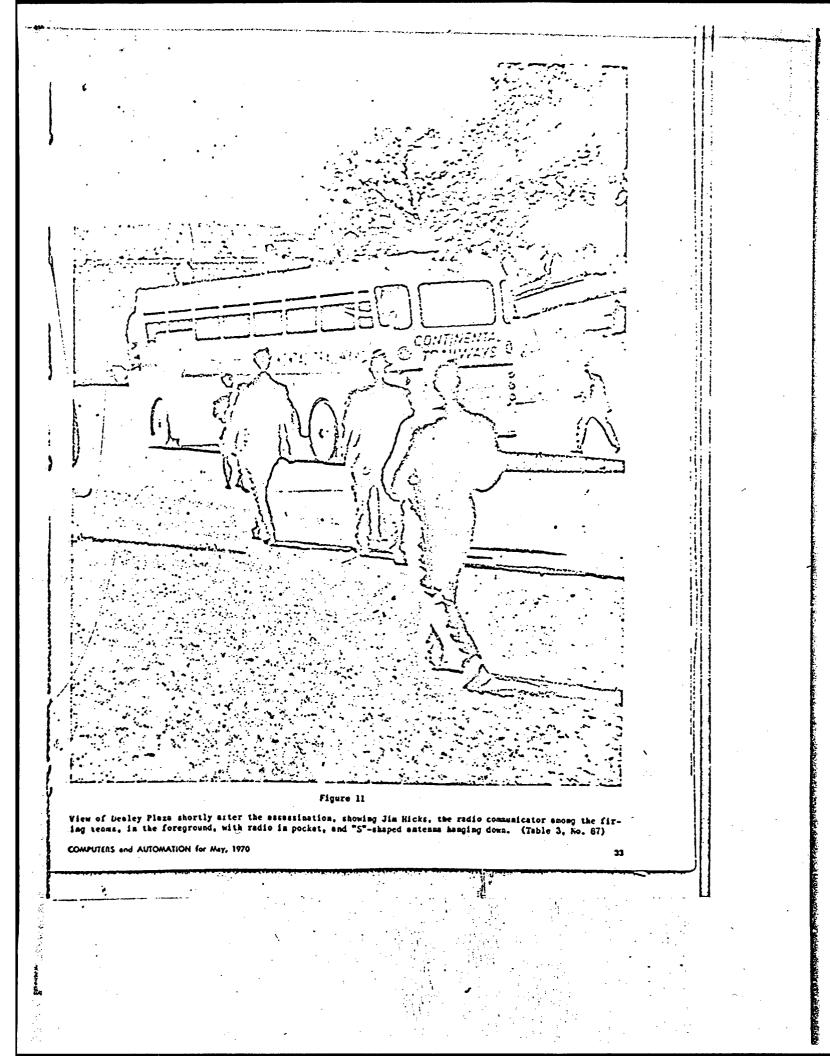
- Crucial records were burned or destroyed. For example, Commander J. J. Humes, chief autopsy surgeon, personally burned in his fireplace on Nov. 24, 1963 his preliminary draft of the autopsy report. The Warren Commission accepted this action as natural.
- Crucial physical evidence was destroyed, as in (a) washing of Governor Connally's bullet-penetrated clothing, before it was examined by the Commission's staff, and (b) the prompt rebuilding of the presidential limousine, so that it could no longer be examined for bullet rarks; etc. The Warren Commission accepted these actions without questioning.
- 3. The Warren Commission did not examine the autopsy X-rays and photographs of President Kennedy. In fact, the photographs were not even developed until two years after President Kennedy's death. The Kennedy family and Burke Marshail, their luwyer, assisted in locking them up.
- 4. The Warren Commission accepted the sudden appearance of a pristine bullet (Commission Exhibit 379) fitting Oswald's gun, on the wrong stretcher in Parkland No.pital. and the Commission assumed that it "fell" out of Governor Connally.
- 5. The Warren Commission (in an admitted error) published Zapruder frames 314 and 315 in reversed order, so that the motion of JFK's head after the fatal shot was reversed.
- 6. The Warren Consission ignored the visible and violent backward motion of President Kennedy's head shown in the Zapruder film at the instant of the fatal shot — a motion that conclusively shows that the President was fatally shot from the front.
- 7. The Warren Commission failed to investigate many possible motives for shooting President Kennedy, and who would profit thereby. Etc.

Perhaps the strangest of all the events are some events that took place after the Warren Commission made their report:

1. President Lyndon B. Johnson issued an executive order locking up in the Archives of

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the United States for 75 years as "confidential, secret, and top secret," over 100 important relevant reports and memoranda. The list of the titles of these extraordinary documents was obtained and published in the <u>Saturday Evening Post</u> on April 6, 19(A).

 Chief Justice Earl Warren has steadily refused to consider any new evidence. As rec.ntly as 1969 he told newsmen. "I know of no new evidence, and have seen no new evidence." It is a fact that such new evidence exists in large quantities. This strange attitude may be coupled with Warren's steady silence in response to letters.

No scientist, no honest man, ever refuses to look at new evidence. The kind of ection which locks away old evidence, and refuses to look at new evidence, is not the kind of action of honest scientists and honest men.

Basicelly, the Warren Commission picked up the Dallas police hypothesis, that Lee Harvey Oswald was the sole assassin and there was no conspiracy. Once they chose this hypothesis (and they chose it very early), they assiduously tried to confirm it. partly by selecting evidence, partly by suppressing information which they knew, and partly by altering evidence to the opposite - in other words, falsifying evidence. Their candidate for essassingtion vehemently denied (for two days before being killed by Jack Ruby) participating in or knowing about the ossessination of President Kennedy. He also posttively stated that he had been made a patsy, a fall gay. He size said that the photograph of him holding a rifle was a fake, saying. "That's my beed but not my body." (That photograph is demonstrably a fake.)

Over 50,000 items of evidence exist which support and mutually confirm a contrasting hypothesis. hypothesis is that there was a conspiracy, and that at least four persons shot at President Kennedy, and that more than 50 persons were involved in the conspiracy. In fact, about 6 persons who participated in the conspiracy have admitted their participation and described what happened in their own involvement. All of these items of evidence collected confirm the information in all of the photographs, and are very largely consistent. I do not allege that the CIA, the Secret Service, Lyndon B. Johnson, and certain other prominent individuals participated in the conspiracy before the assassination occurred. I do assert that these individuals and agencies. after the assassination occurred, participated is covering up and concealing the conspiracy and thereby became accessories after the fact. The evidence referred to is available under appropriate circum-stances to an untainted Congressional investigation.

# Part 2. The Photographic Evidence

## Over 510 Photographs

The assassination of President John F. Kennedy was the most photographed murder in history. Approximately 75 photographers took a total of approximately 510 photographs, either before or during or within an hour after the events in Dealey Plaza, and either there or nearby or related to those events. The word "photograph" in this context includes both still photos and movie sequences. The runber of frames in a movie sequence ranges from about 10 to about 500; and in the count of 510 photographs given above, the 10 to 500 frames of a single movie sequence are counted just as one photograph. The total number of frames is ever 25,000.

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The Warren Cormission examined 26 photographs, about 5 percent of the 500. The FBI examined about 50 photographs, or about 10 percent. The most famous of all the photographs is the Zapruder film, which had over 440 frames.

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Kany of the photographs were taken by professional photographers. About 30 of the photographers were professionals who worked for newspapers, television networks, and photographic agencies.

The harren Commission did not interview a single one of the professional photographers, nor did the Warren Commission see any of their photographs.

Fifteen of these professionals were actually in the Kennedy molorcade, as further than 6 car lengths behind the Kennedy car. Five of these photographers were television network careramen. The Aurea Cormission looked at none of their photographs.

Two of the photographers were from the white House. One of these men (Thomas Atkins) was the regular photographer for the white House. He made a special film for Lyndon B. Johnson. Atkins used his own film plus some footoge obtained from the television photographers. Johnson lonked at the film and then put it away. This film is now stored with the Kennedy Kemorial Library materials in a warehouse in Washington, D.C.; it is stated to be "unavailable" to rescurchers. The Commission did not see this film, nor did they interview Atkins.

Because the professionals used movie cameras of professional quality, their films are exceedingly revealing and valuable as primary evidence. The Warren Commission looked at none of these films.

During the past several years, I have collected copies of over 200 of these photographs, and I have looked at and taken notes on another 200 of these photographs, without obtaining copies of thes. Some of the remaining 100 have either not been found or have been locked up or cestroyed by the owners, who are fearful of the information they show. Or they have been locked up by the FBI, who have either placed them in files inaccessible to the public or possibly have destroyed them. (See Table 2.)

Chart 2 of this article shows the times of about 50 of the photographs taken in Dealey Plaza during Kennedy's passage through it.

Table 3 of this article lists over 510 photographs so far identified and known to exist or to have existed — with possibly a few borderline cases.

Nost of the "official" photographs of the Warren Commission, or of the FBI, or of the Dailas Police, which are in the Warren Commission Report or in the 26 volumes of the Warren Commission's Evidence and Hearings, are not included in the list of Table 3, because such photographs were taken more than one hour after the shots were fired.

## The 6th Floor Easternmost Window

According to the Warren report, Oswald was supposed to have fired a tifle from the 6th floor easternmost window of the Texas School Book Depository Building. (See Chart 1) Among the photographs there are several that show this window. Accompanying this article are copies of two photographs, one showing this window exactly 5.7 seconds before the first shot and one showing this window exactly 3.5 seconds after the last shot. (See Figs. 6 and 7) The first photograph (Table 3. No. 8) was taken by photographer Hughes, and shows the window with only a box appearing in it. The second (Table 3. No. 121) was taken by photographer Dillard and shows the window with only the box in it. There is a photograph taken by Norman Similas taken during the shooting which is now in the possession of the FBI (see Tables 2 and 3. No. 494). A possible reason for the FBI not to reveal or display this photograph is that it was taken between the first and the last

shots, and shows the window empty except for the box. Oswald and his rifle are <u>not</u> in this window — which would be complete proof that he was not there. Norman Similas, and also an editor of <u>Literty</u> megazine in Cennae, saw this photo, however, and both state that the window was empty.

Even without the availability of the Sinilas photo, the other two pictures destroy the Warren Commission's findings and the testimony of their key witnesses. The witner "s, notably Howard Brennan, said that the assessin was leaning out of the window and poking the rifle well out of the window both before and after the shots were fired.

The Warren Commission offers other evidence. The evidence consists of: three builet casings "found" on the floor near that window; the three boxes arranged in the window to look like a gun rest; and the bullet (Commission Exhibit 379) which supposedly passed through both Kennedy and Connally. All this evidence can be demonstrated to be faked.

Photographs coupled with testimony prove that the Dellas authorities altered the "sixth floor TSBD" evidence. The alterations were as follows:

The original setting up of the bullet casings was too obviously faked. Sheriff Roger Craig arrived on the scene first and saw the three casings, side by side, neatly pointing in the same direction, just inches apart. By the time the "official" police ;holographer, Kr. Studebaker (who in reality was an amateur pholographer with only two months experience), took pictures of them, the casings had been scattered around the floor by some member of the police force.

Similarly, the original position of the boxes making up the so-called "gun rest", was so obviously inadequate, that the police moved them to look a lot more like a gun rest. Jack Beers, <u>Hallas Morming News</u> photographer, took photos of the boxes at 4 pm while they were still in their original position. This fact is confirmed by several photos taken at the time of the shots from outside the building showing the corner of the topmost box stacked three high.

By the time Studebaker took photos of the boxes, used as Exhibits by the Warren Commission, it was after dark, and the Loxes had been rearranged so that they were only two deep, with the third one moved onto the window sill. Checking the position of the corner of this box as it would appear from the outside of the building, shows that it is in a quite different east-west lateral location than the corner actually showed itself to be in the photos taken at 12:30 pm to 1 pm. (Dillard, Hughes, -Beers, Keaver, Willis, Murray).

The net result of all this evidence collectively is the following proved conclusion: <u>No one</u> fired any shots on November 22, 1963 between noos and one pm from the sixth floor easternmost window of the TSBD.

#### The Zapruder Movie

Of all the photographs taken in Dealey Plaza on that fateful day, the color movie sequence of some 400 frames taken by Abraham Zapruder is the most important. It shows from the right hand side of the motorcade the entire sequence of events, from President Kennedy rounding the curve from Houston St. into Elm St., through all the shooting, until the big presidential linousine left with the dead president going under the triple overpass off to Parkland Hospital. This film almost by itself, with careful, scientific analysis, establishes the times of five of the shots.

The Marren Commission received the original of the Zapruder film to look at, on loan from Life magazine, which bought it from Zapruder. From that time on, the film was never publicly shown, but remained in the locked files of <u>filfe</u>. But a direct copy of the original was subjectancy and shown NHE times by Assistant District Attorney Alvin Oser in New Orleans in February 1967, at the trial of Clay Shaw. The judge, the jury, the newspaper reporters, and the speciatives in the court room all became convinced that Oser and Carrison had demonstrated <u>a</u> conspiracy to kill President Kennedy.

when one sees and studies in detail the Zapruder film in its clear version and examines the other photographs showing the effects of the shots, one becomes convinced of two statements:

- There were six shots, of which five hit persons in the Kennedy car; of these five the first went through the throat of President Kennedy; the second struck sennedy in the back; the third struck Governor Connally in the right shoulder; the fourth and fifth struck President Kennedy nearly simultaneously in the head and blew out his brains. The remaining shut missed and struck a curbstone on Nain St.
- 2. The last of the five shots (coming from the graisy knoll area), and one of the two fatal shots, struck kennedy from the front and to the right, hurling his need to the left and backwards with great force, in accordance with the laws of physics. (For a scientific analysis, see <u>Six Scends in Uallas</u>.)

Either one of these statements renders impossible the Warren Commission Report's conclusion, that only three shots were fired, the second one missing entirely and striking the curb of Nain St.

Obviously, if there was a conspiracy, it becomes vitally necessary to prevent the American people from seeing the Zapruder film, clear and complete. and especially in motion. For over six years, except in New Orleans, this has been achieved. However, currently, bootleg copies of the Zapruder film are on sale here and there in the United States at prices ranging from \$10 to \$50, available for private and illegal showings, since Life magazine owns the original and has never given permission for copies of the film to be sold. Many of these bootleg copies, because of lack of clarity, do not demonstrate the first statement; but they do demonstrate convincingly the second statement, the backward thrust of President Kennedy's head at the time of the fatal shot.

Life magazine would be able to earn millions of dollars from showing the Zapruder film. In three days of showing the Zapruder film, uncut, clear, and not tampered with, on national television, every person in the United States who watched television could see for himself that more than three shots were fired (which makes the Warrea Commission conclusions nonsense) and could see that the fatal shot thrust Kennedy's head backwards with great force (proving that he was hit from the front, and not the back, which also makes the Warren Commission conclusions nonsense). Although the Warren Commission report was silent on this last point. some defenders have tried to explain away the backward motion by conjecturing a speedup in the car's motion causing a "snap backward". The Zapruder film by itself shows this is not true. One can clearly see that the car does not speed up at the time, and that Mrs. Kennedy's head does not snap at ell.

Other explanations have been offered, such as a whiplash motion, caused by Konnedy's meek brace, or a reverse explosion as the bullet from the rear exited Konnedy's head in front. Josiah Thompson's amalysis in <u>Six Seconds in Dallan</u>, preves beyond a

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veincity builts striking kennedy's head from the	
Izout could produce the head acceleration backward	
shown in Zapruder frames 313 through 315, and	
measurable therefrom.	
Hare than a dozen other photos confirm that	
there were more than three shots.	
	• •
Other Activities at the Time of the Shots	
The photographs taken at the time of the shots	
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(see Chart 2) show many other significant and in-	
purcant activities. Coupled with the testimony of	
photographers and other witnesses, the photos prove	
the Harron Convitation wrong on several other points.	•
To describe all of these points in detail requires	
more space than is here available. But the follows	
ing list summarizes these activities and conclu-	
sions (see also Chart 1 for timing and direction	
of shots).	
e. The first shot, fired by man #1 from be-	<u>.</u> .
hind the fence on the grassy knoll, hit	
Kennedy in the thront at Z109 (Z numbers	
in the text and on the Map refer to frame	••
- #s of the Zapruder Film, The frames were	
i/lil second apart. The Z numbers on the	
may show the location of Kennedy is each	
Zapruder frame),	
b. The second shot, fired by man #6 from the	
second floor window of the Dol Tex Hulld-	
ing, struck Kennedy in the back at 2226. 20	
c. The third shot, fired by man #0 from the	
Tras School Book Depository (TSBD) hit -	**
Connally in the back at Z230.	
d. The fourth shot fired by man #6 from the	
Dal Tex Building struck the curb on the	• •
south side of Main St. at about Z205.	
to. The fifth shot fired by man =0 from the	·
TSBU hit Kennedy in the head at 2312+.	
I for the sixth shot fired by man #5 from the	. • •
grassy knoll hit Kennedy in the head at	
Z313.	•
g. Wan #2 "created" a puff of smoke as an ap-	
g, Man -2 created a part of anote as an op-	
parent diversion (as it turned out, the	
diversion was not needed) and then ran	
back beyond the position of man #1 and	
jumped over the fence.	
h. The timing of the first shot established	
by three photos - Zopruder, Willis (Table	•
3. No. 85), and Betzner (Table 3, No. 101)	
	1.44
Kennedy from the sixth floor easternmost	
window of the TSUD, was completely ob-	•
scured by a large oak tree. (Bl) on Chart	
• 1)	
	4.44
" the grassy knoll ten minutes after	
the shots were fired and drove away down	• • •
the shots were rived and arove they down	
Elm St. with a Latin-appearing man in a	4. <sup>1</sup>
light-colored station wagon with a lug-	
gnge rack. To someone not familier with	• •
all of the millions of details of the	
Kennedy essessination, this seems unrelat-	
ed. llowever, other evidence indicates	••
the man may have been an anti-Cestro ad-	
venturor impersonating Oswald, and that the	
Latin may have been another of the sati-	
Cestro Cubens	`. <b>.</b>
· · · · · · · · · · · · · · · · · · ·	. *
Man Who Ren Awey	
the formation of the second seco	• • •
Rany photographs were taken within an hour af-	

ter the shots, which show that certain men on the grassy knoll ron away after the firing, and these photographs show how they ran away. For example, several photographs (Table 3, Nos. 3, 19, and 52) show a certain man, who has been

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ly the man who fired the fatal shot, shot in. 6. Ills position has been shown on the map is area DG. The photos show that he escaped by means of a white car, which had been previously parked just a few feet from bis position.

This subject has been investigated at length by the researchers, but the investigation has not been finished. It may be that the investigation cannot be admustcly concluded until computerized analysis of the information in the photographs (see Part 3) has progressed much further.

The photos also show where and how men #2,3 6 4 ran eway after the shots.

## The "Tramps" and the "Phoney Policeman"

Approximately a half hour after the shots were fired, Sergeant D. V. Harkness of the Hallas Policewas instructed by Inspector Sowyer of the Hallas Police (in command of Healey Plaza police activitics after the assassination) to go back to the railroad tracks (see Hap and Fly. 1) and stop a freight train which was being moved out and search. it. (The approximate time is established by the angles of the shadows in the photographs, by the testimony of Sergeant Harkness to the Warren Condistion, Vol. 6, p. 312, and by the timing of Ka. Allen's sequence of photos.) The area where the freight cars were located is to the north and west of the TSHD, and north of the grassy knoll area. Sergeant Harkness says he arrested some "tramps"

or "hoboes" whom he found in one of the box cars in the railroad area. He says he took them to the station and does not say what station he meant. However, Sheriff Elkins said that a policeman brought three "trans" into the Sheriff's office. (See map and Fig. 1.)

The route that Harkness would naturally take if he went to the Sheriff's office with the three 'tramps" is exactly the route portrayed in the series of four photographs (Figs. 2.3.4, and 5). shown in this article. In Figs. 2, 4 and 5, two policemen can be seen escorting three "tramps" enstward from the direction of the railroad yards slong the Elm Street extension in front of the TSBD. They turn south in front of the TSBH (Fig. 4) and proceed down Houston St. to the Sheriff's office. The vehicle entrance to the office is located at the center of the block on the cast side of Houston St. between Elm St. and Main St. The entrance is directly in front of the five wen as

they proceed toward it in Fig. S. Why is this significant? First, there is no re-cord at all of the arrest of these men — there is no record of their official booking nor of their release, even though Sheriff Elkins testified that he turned them over to Captain Will Fritz of the Dallas Police in the police station. Furthermore, there is no record in the Dallas police force of the "phoney" policeman at the right in Fig. 2. He is wearing non-regulation shoes or possibly rubbers; and in his right car is either a radio communications device or a hearing aid.

Sergeant Harkness and Sheriff Elkins both indicate there was no other policeman with Harbarss when he arrested the "tramps" and when he furned them over to Elkins.

Other information indicates that one or more of these "tramps" were members of right wing groups and were actually included among the gunmen who shot or shot at President Kennedy. If any reader of this article notices any person resembling any one of the "tramps" or the "phoney" policeman, it would be useful for him to send information to me.

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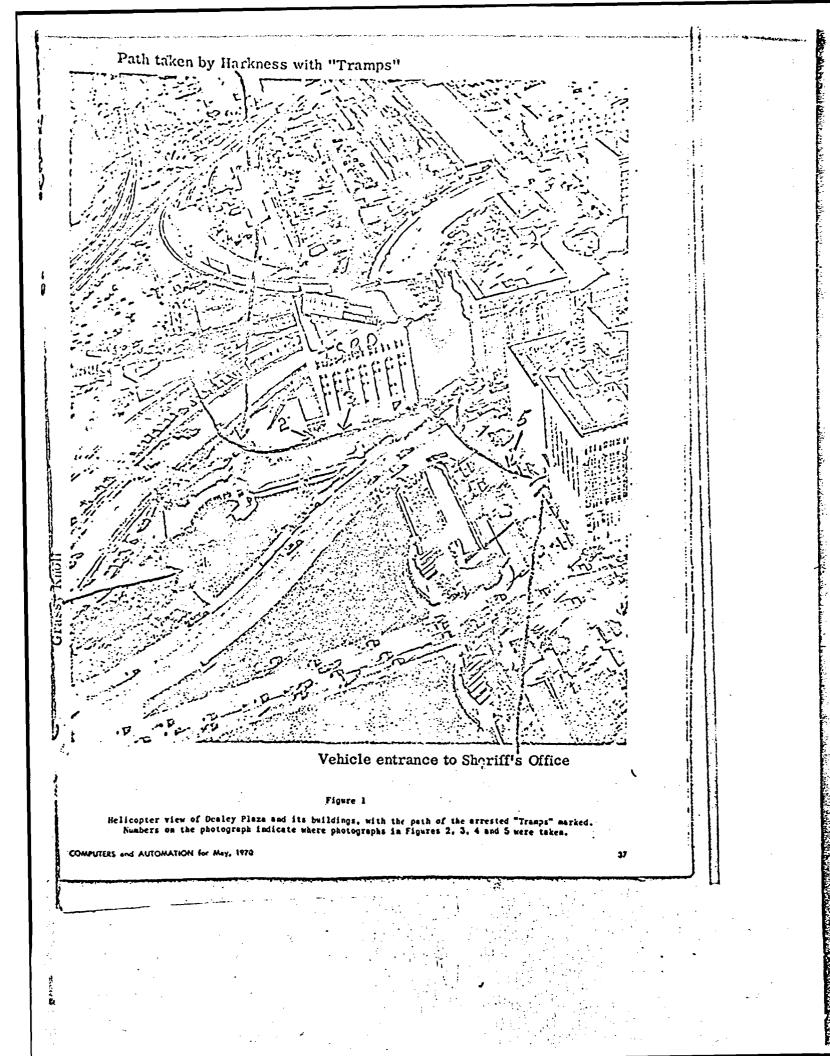
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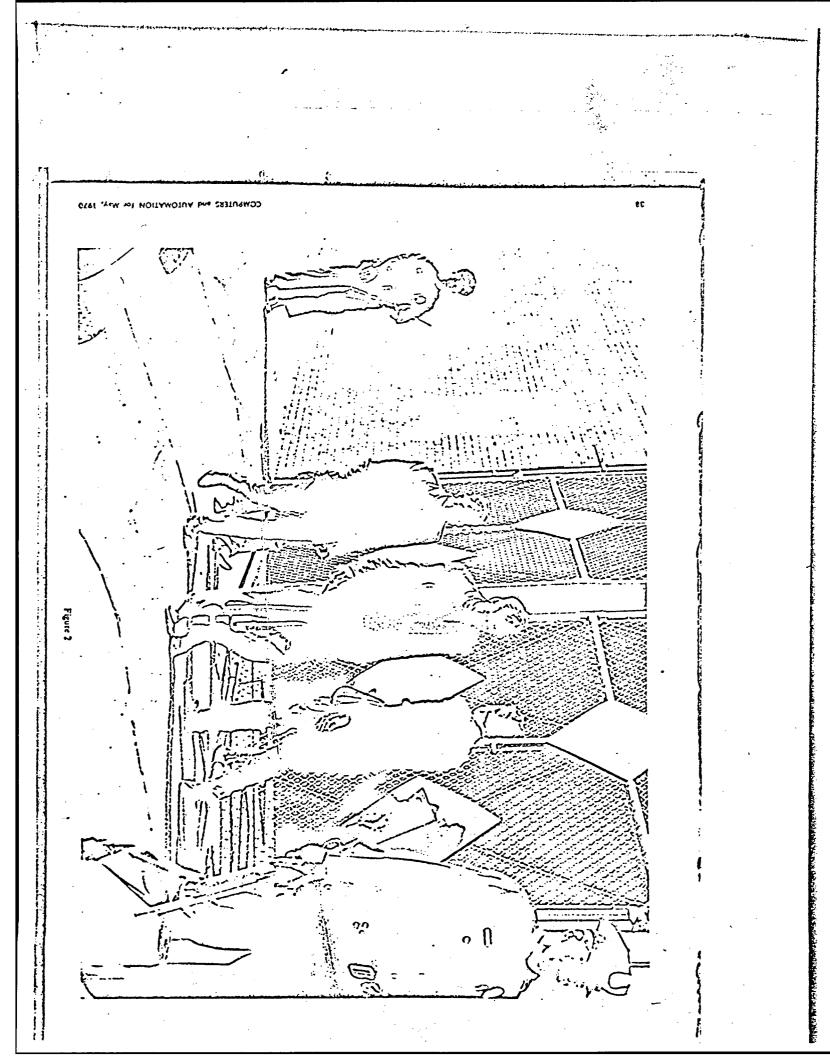
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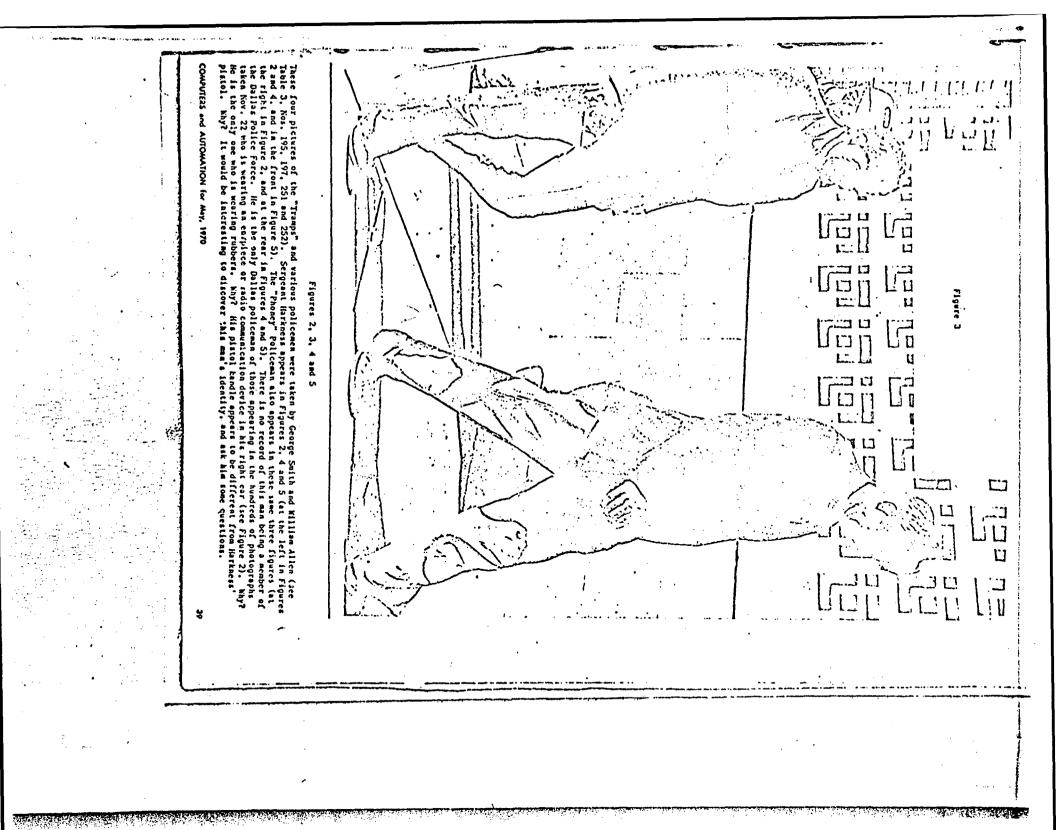
(Text continued on page 53)

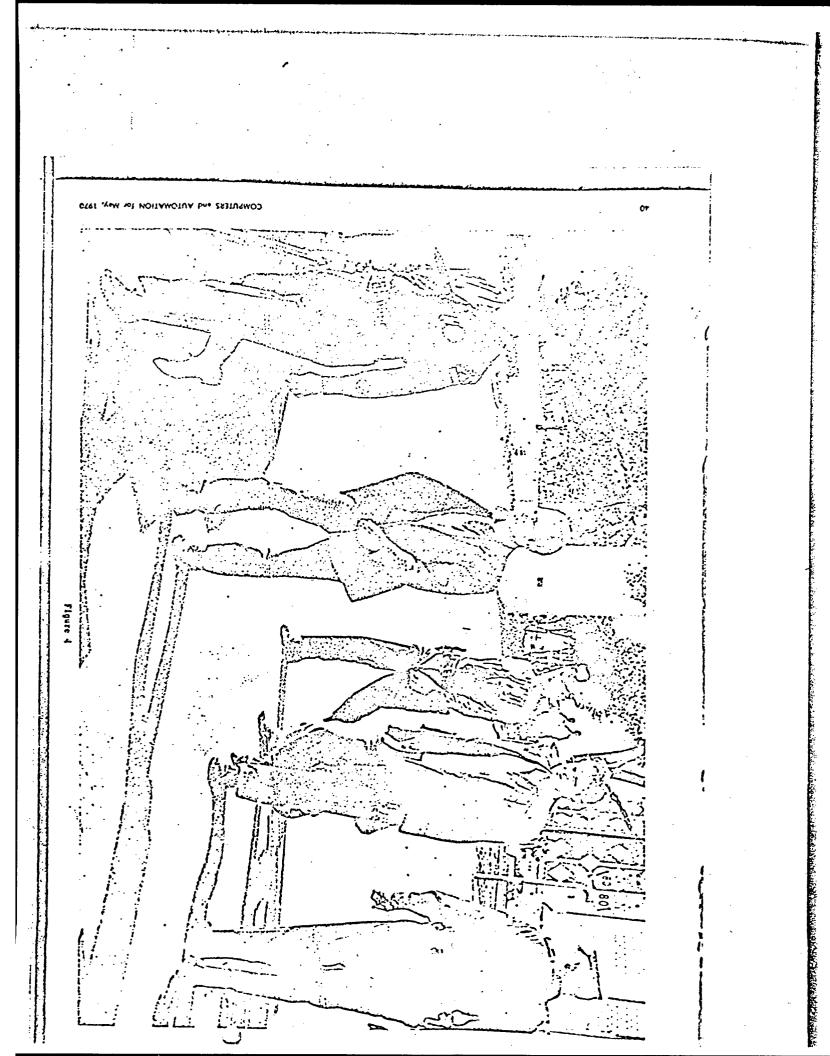
COMPUTERS and AUTOMATION for May, 1970

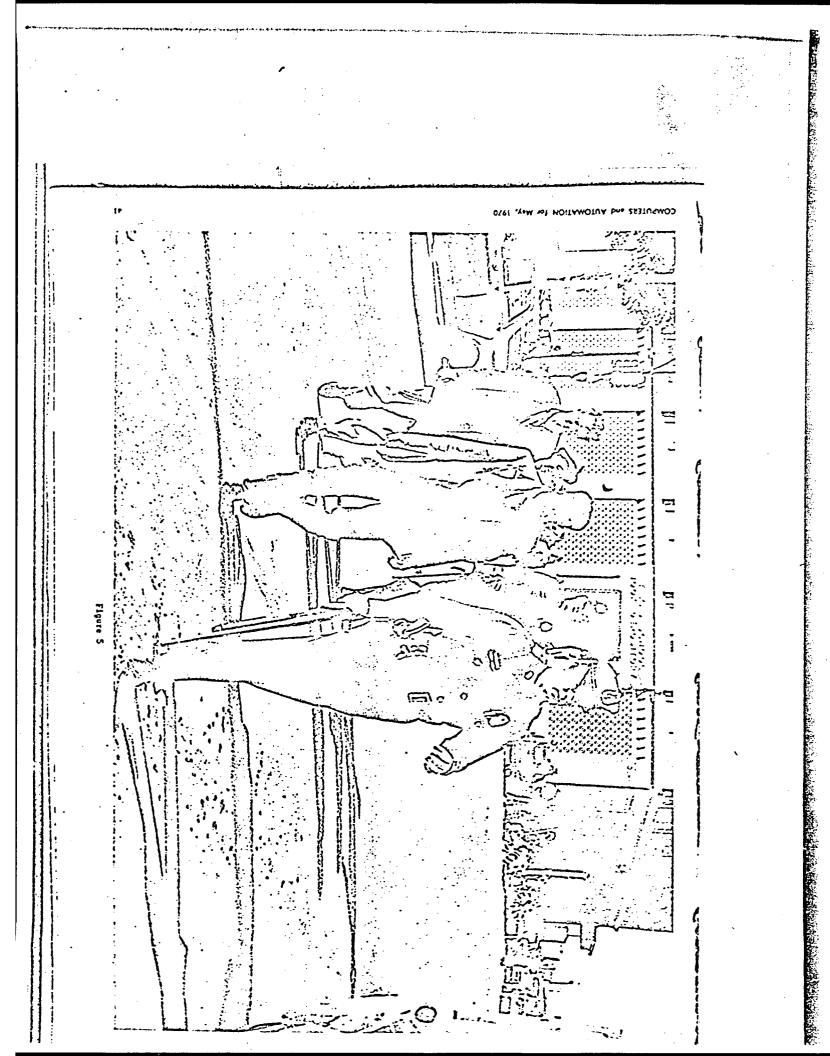
A. 1993年1月1日日本市政部合理局部自己的主要。1995年1月1日

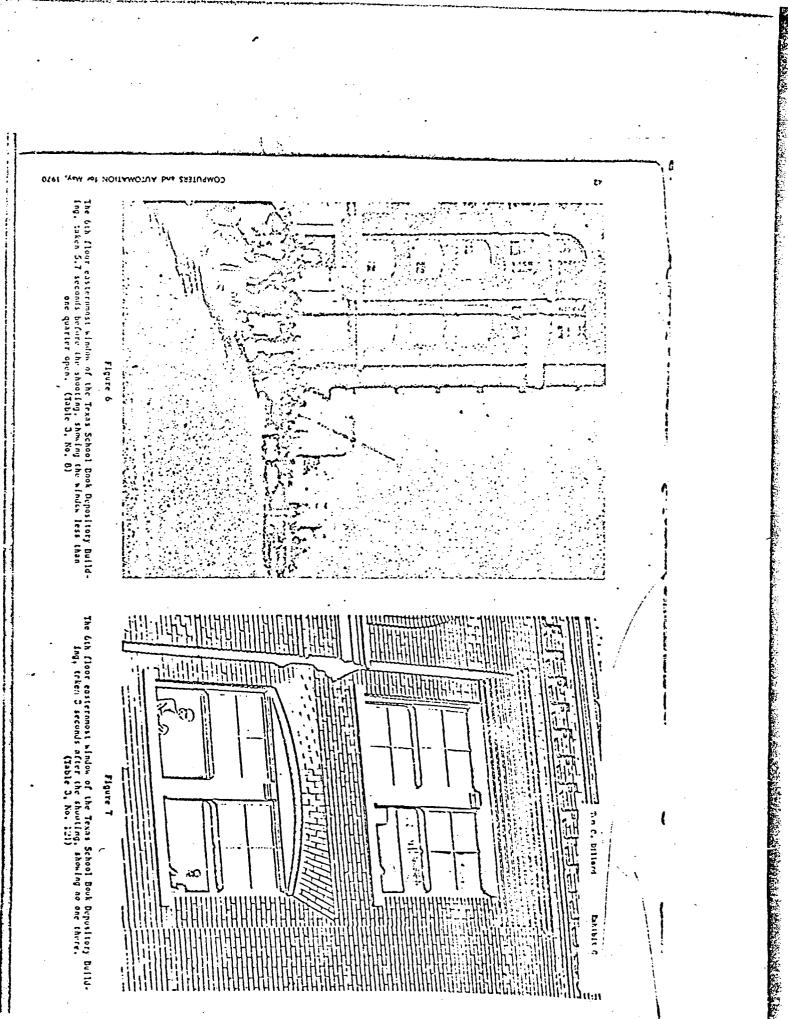


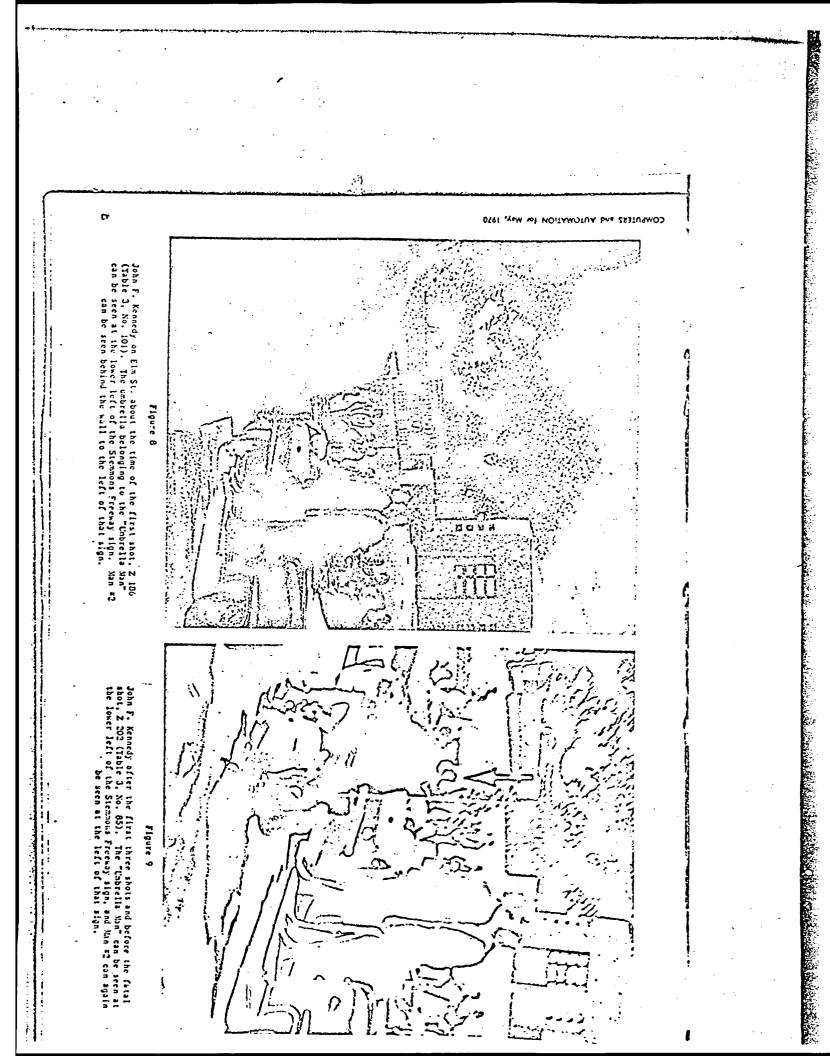


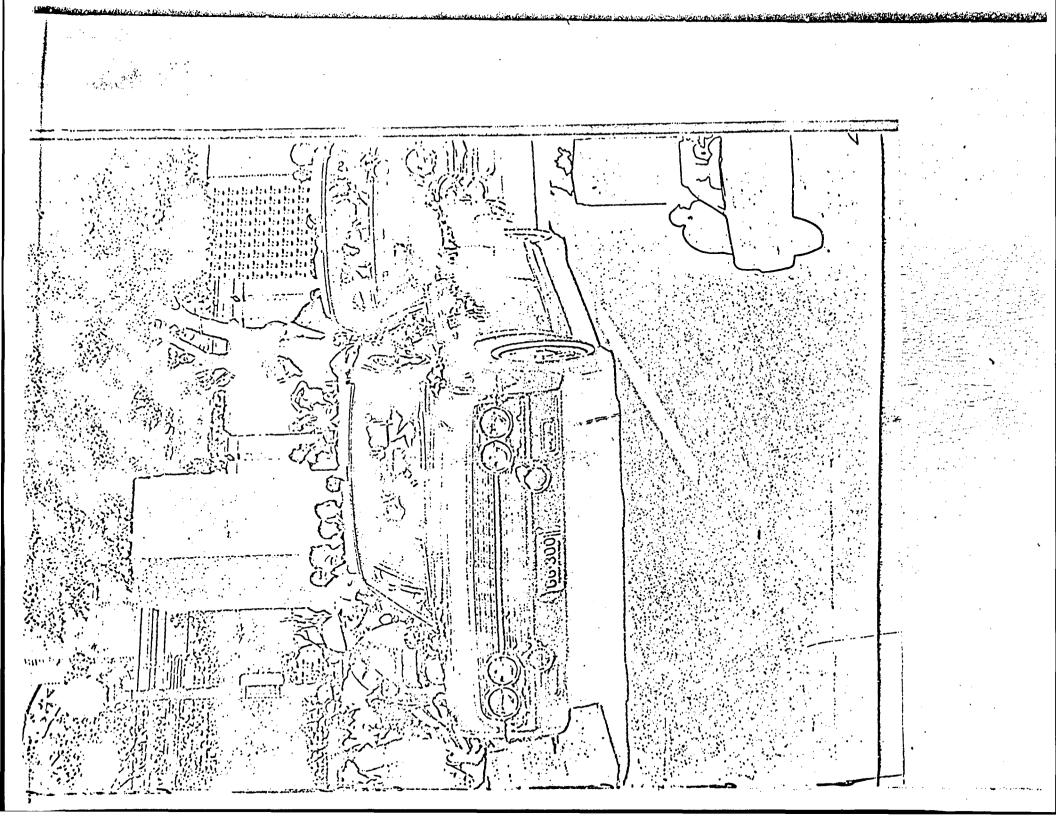


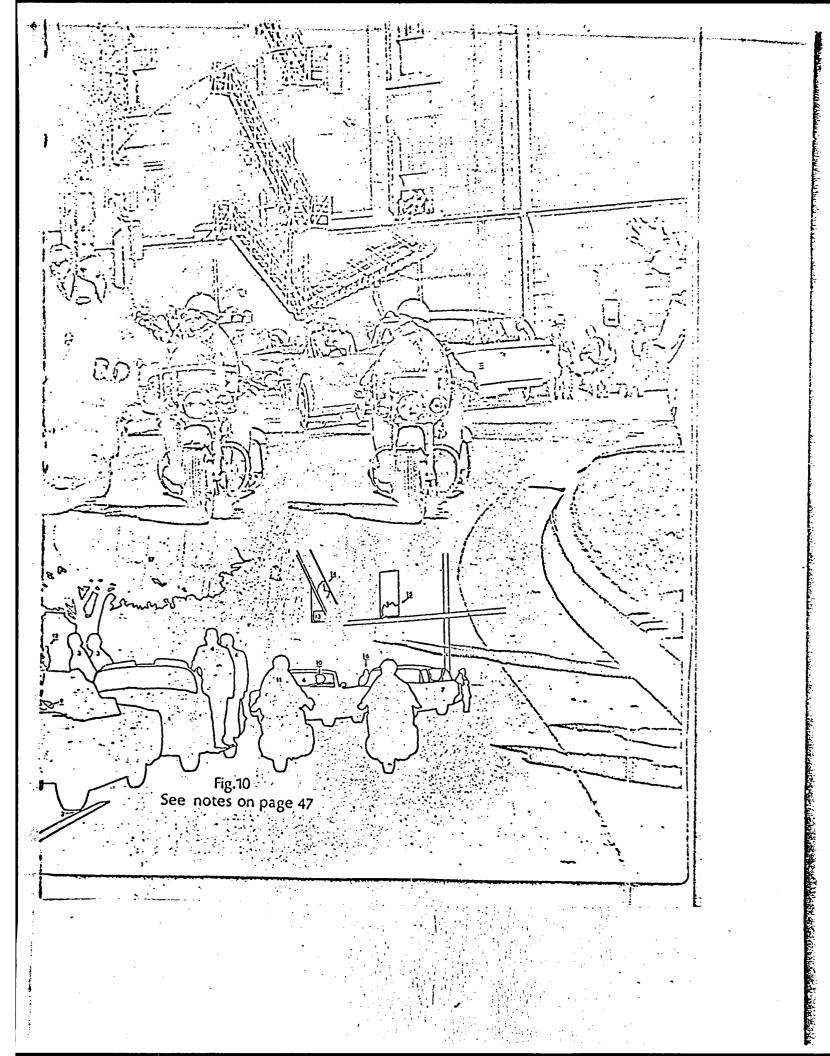












## Teble 1

# INTER AND CUIDE TO INCATION OF FERSONS AND SIGNIFICANT ODJECTS IN THE SPATIAL CHART OF DEALEY PLAZA

## (See Chart 1, pages 46 and 49)

Arcost on the Chart. The spatial chart is divided into square areas 20 feet by 20 feet, each labeled by a letter A to K from top to bottem (1 is omitted) and a number 1 to 15 from left to right. Locations on the chart ore specified by these letter and number la-bels, indicated on the borders of the map.

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2. <u>Perion bines</u>. The sime of a person in the following infer refers to the location of such persons, either in one place if he stayed there for the whole time, or in more than one place if he moved from one location to mother. A placed person name refers to two or more persons with the same loss mane.

3. <u>humbers</u>. A number following the name of a person refers to the film (or coll) number of a still photograph, or the frame number of a music sequence (aloca by sack person. Numbers preceded by 2 refer -to frame numbers of the color movie film taken by Abraham Zapruder standing in orea 0.7.

4. <u>Motocrode</u>. The leading partian of the matercade including Presi-dent J. F. Acamedy is shown disgrammatically 7 to 8 seconds before

the first shat. The motorcode is arranged in argumere along division SL, and Main SL. All these ears, of course, were moving and there-fore accupied different positions at later times. The only success-sive locations along for later positions of the motorcode are the locations are marked by a sequence of dotis along the SL. There head 'docations are marked by a sequence of dotis along the SL. There head 'docations are marked by a sequence of dotis along the SL. There head 'docations are marked by a sequence of dotis along the SL. There head 'docations are marked by a sequence of dotis along the SL. There head 'dotions were carefully determined by the HAL; they are identified by the frame aumhers of the color movie film takes by Abraham Zayru-der; these locations were ared by the barea Commission in their fam-vestigntion. Successive frames were 1/10 second apart.

5. Note. The information shown in the diagram of the matercade (G-J i4, J 15) is not repeated in this index.

The information shows in the legend (4-E 1-4) is not repeated in this index.

Much of the geographic information (such as locations of trees, white truffic limes, galls, marks on surbs, etc.) is <u>pot</u> repeated in this index.

Person or Gilect Alters 2, 3	Location J 13	Person or Object Renedy beking "the"	Location D 10-11	Person or Object	Location
			<b>U</b> 10-11		
Aligens 6 (at 2 255)	F 8	ook tree. from Z 161		Aix 1, 20	K 12
Aligens 7 (61 Z 346)	C 8	.10 Z 107		hts 20	J 10
<b>.</b>		Kennray 61:	<b></b>	Oswald's alleged window	A 13
"Babeshie Lady" (who took		Z 133	C 11		
an entire movie of the		7, 151	0 11	parking area and railroad	BE 4-3
matoreade from the op-		Z 167 (threat shel)	D_10	yard	
posite side from Zepruder)		Z 226 (Leck shet)		puff of smoke (shown in 9	E 7 '
bell 1. 2	н 11	Z 238	۴_ ع	stotos)	
Bell 3	H 11	Z 255		reilcond yard and parking	8-6 4-5
Betzeer 1	E 13	Z 285	• .	8168	
Beisner 2	C 13	Z 312 (keed shot)	r 6		
Beliner 3	C 12	Z 313 (2nd beed sket)	•	scale in feat	X 8-9
Gond, 1 to 3	C 13	Z 346	•	stole, sources of:	
Dand. 4 10 9	G 11	Z 400	C 6	111	ES
Brena(s)	F 9	Z 433	N Š	Zad	ă 15
BECARA	b 13	Z 465	# 3	3rd	A 11
bullet sark(s) on curb	33, н б	Z 485	8 1	416	<b>1</b> 15
		knoll, grassy .	6210 6 7	Sth	· Â1
Converse St.	K 1-6	mont, Aready .			
	1 8			óth	D 6
compass directions		Main St.	J 1-15		_
Connelly, Gov. J. 8.,	E 9	Man # 1 Locan were		SLizmen	07
back shet (at Z 238)		nen whose names have not been determined	•	smoke, puff of (shown in 9 photos)	·. E 7
Dallas County Criminal	F-H 15	Man #1, source of 1st	05	Stennons Freewor sign	1 0 8
Courts Bldg.		shet at Z 169	• •		•••
Delles County Records Blag.	C-E 15	#as #2	E 7	Tease (who was bit in the	<b>x</b> 3
Ooliss County Sheriff's	H 15	Mag. #3	ĒŤ	face by a fragment of	
Office		Kan. fá	εi	· a shot)	
Dal-Tex Bldg.	A 15	Man #5, source of 6th shot	· D 6		
Dillerd 1	ĉij	at Z 313		Texes School Book Depost-	A 10-13
Derman, Mrs.	A 11	- Man #6, eff map in Del-Tex	·	tory Bldg. et 411 Elm	
Cotonest Mes.	~ 11	Bldg. source of 2nd shot	548 A 10	St. (T580)	
Ela SL.				TSBD, 6th floor easternmost	A 13
Elm SL. extension	N 1 to B 15 A-8-6-12	et Z 226 and 4th shet	•	window, from which Nerren	
		et Z 285	•	Commission alleged Law	
former Delles Cruzty ; off a	<b>mp. 800</b> K 15	Nan #7	. D 6	Oswald fired 3 shots	
Courts Bldg.	• • •	Num #8, source of 3rd shet	· A 11	Towner, J. 1	C 13
garage bldg. mext to	A 8-10	at Z 238 and 5th shet at	•	Towner, T. 1	C 13
T580		Z 312		Towner, T. 2	0 12
gressy keell .	G 4 to C 10	Kaa with Umbrells	08.		
	•	Martin O	H 13	"Umbrella" Kan	D 8
Hester(s)	C 7	Martin 1	. G 13	Willis 5. 6	0 11
kill, Jean .		Kartin 2	C 12	Zapruder (location of	0 7
Holland	H 2	material picked up by	Ň 6	Abraham Zaproder during	
Houstes St.	A-K 13-14	Walthers and others	~ ~	the entire color movie	
Hudson and two friends	F 6	Noernan	9		
Hughes 1, 2	<b>к</b> й -	Nuchaore 1		<ul> <li>which he took)</li> </ul>	
Huches 3	R 12	Auchaore 2	C 13		
Neghes 5 3 -	<b>x</b> 10	HACKENTA C	<b>7 11</b>		

COMPUTERS and AUTOMATION for May, 1970

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: An excellent example of the many things that can be learned even from a single photograph, is provided by Figure 10. This photograph was taken by a professional Associated Press photographer, James Aligens (Table 3, No. 57). This photograph was used by the warren Commission as Varborough Exhibit A, toi. XXI, pages 701-702. However, the Warren Coamission staff did not point out very much of the perturent information contained in the photograph.

President Kennedy (f) appears in the lineausine partially hidden by the rear view mirror. Three shots have already struck him and Governor Connally by the time this photograph was taken. The exact times of the photograph is established by the posities of the left front tire of the limousine with respect to the white road stripe on Elm St. (f2) By comparing this position with the corresponding positions of the limousine as the limousing appears in the Zapruder film, it has been determined that this photo was snapped at oxactly the same instant as Zapruser's frame 250.

Since shots were fired at Z169, Z226, Z230 and Z2313, the Altgons photo was exposed 66 Zapruder frames after the first shot (3.6 seconds) and 50 frames refore the last shot (3.2 secs).

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It view of the fact that only 3.6 seconds had elapsed following the first shot, it is not surprising that very few people in the picture show signs of realizing that anything has happened. Note the smilling faces and applauding hands along the curbs.

Some of the Secret Service men reacted slowly. The two ren on the right-hand running board of JFK's followup car (#3) obviously have heard something and are looking back. The two on the left-hand running board (#4) seem to be oblivious to everything. The one is front, Clint Hill, was later to run up to the limossire and push Hrs. Kennedy back into the rear seat when she climbed up on the back hood of the car.

The motorcycle policeman next to JFK on the right, D. L. Jackson (=5) seems to realize JFK has been hit; at any rate, he is looking right at JFK. The fatal shot, 3 seconds later, zoomed from the grassy holl right over Jackson's helmet and struck JFK on the right side of his forchead. Jackson was never interviewed by anyone and seems to have completely disappeared from the Dallas police force shortly after the assassination.

Lyadon Johnson's secret service men. on the other hand, reacted very fast. Rufus Youngblood testified that he pushed Johnson down on the floor of the car as soon as he heard the shots. The positions where Youngblood and Johnson would have been sitting in the photo (#6) are wacant, proving that Yourgblood did indeed do just what he said, is 3.6 seconds. Agent Firett in Johnson's follow-up car can also be seen reacting quickly (#7) as he opens the left rear door, preparing to jump out. Governor Connally had been hit at Z frame 238.

Governor Connelly had been hit at Z frame 238, about one second before the photo was taken. He can be seen with his face contorted, turned to his right (46), and slumping toward the sill of the linousine. Krs. Kennedy had, by this time, turned to see her husband in pain, and grasped his elbow with her white gloved hand (49). Secret Service Agent Kellermaa didn't react until well after this photo.

Tais is not too surprising since Hrs. Lyndon B. Johnson (Lady Bird) ( $\pm$ 10) is smilling at the crowds as if nothing had happened, even though her busband is lying on the floor next to her with Agent Youngblood on top of him.

Poilce-ion Hargis (#11) just to the left and rear, of the Presidential linousine doesn't seem to know anything is wrong, although he could be looking at  $\partial T K$ . Later he was hi' in the face with blood and grey matter from the latal shot which came from the right front and drove the fleshy debric of Kenredy's head back and to the left toward Hargis.

The only reason the Altgens photo appears as a Commission Exhibit is that some sharp-eyed critic meticed a man who looked just like Lee Harvey Oswald itateding in the doorway of the Texas School Book Depository Building in the background of the photo (Fi2). The Commission was therefore forced to consicer this point and they contended that the man was Filly Lovelady, who was an associate of Oswald's at the building.

Four years later. I was able to prove that the harren Commission was right, by using several other pattographs in combination. Until then, the controversy still raged among Coumission defenders and researchers.

Che of the most significant parts of the Altgens pioto is the part showing the Dal Tex building in the background and an open, darkened window on the second floor (#13). Harold Weisberg, one of the researchers, first called attention to this window and the possibility that one or more shots might have been fired from it.

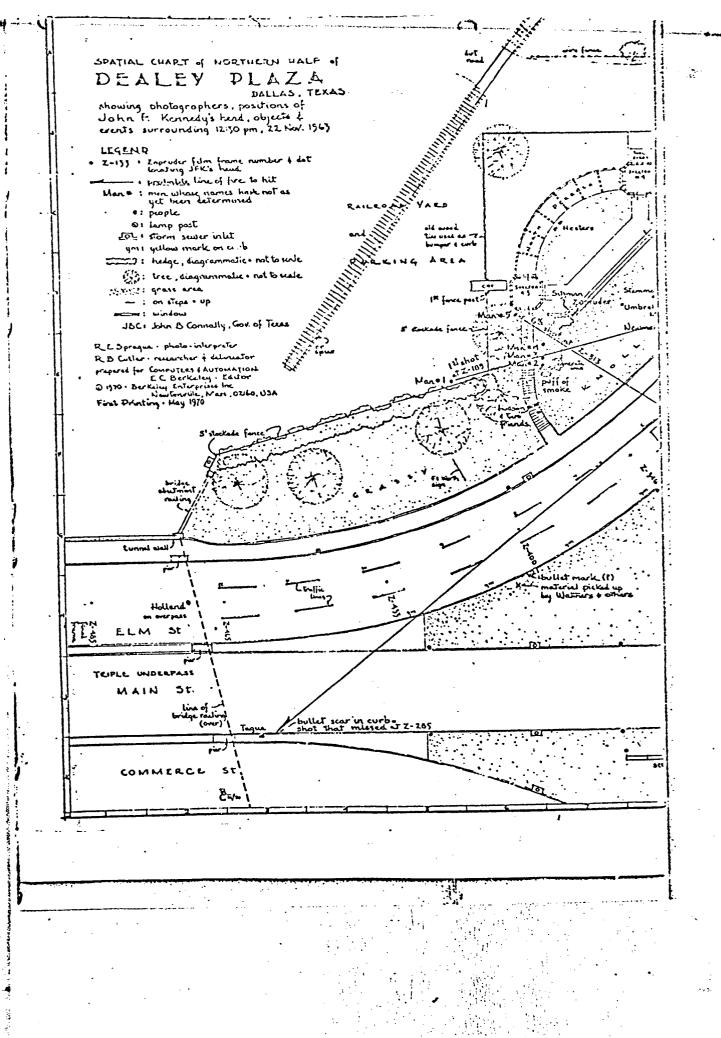
A man (#14) appears in this photo, fallen back on the fire escape directly above the open window. Just five seconds earlier in the linghes film secience, he was sitting in a normal position. This must have not been found to be interviewed. The groupof three people (#15) in the window to the south of him have not realized anything remarkable has happered and are waving and clapping and looking at the President. The probable explanation of the mam's action was his much closer proximity to the roise directly below him created by a shot from the Dal-Tex window. The second shot most probably came from this window as well as the curb shot.

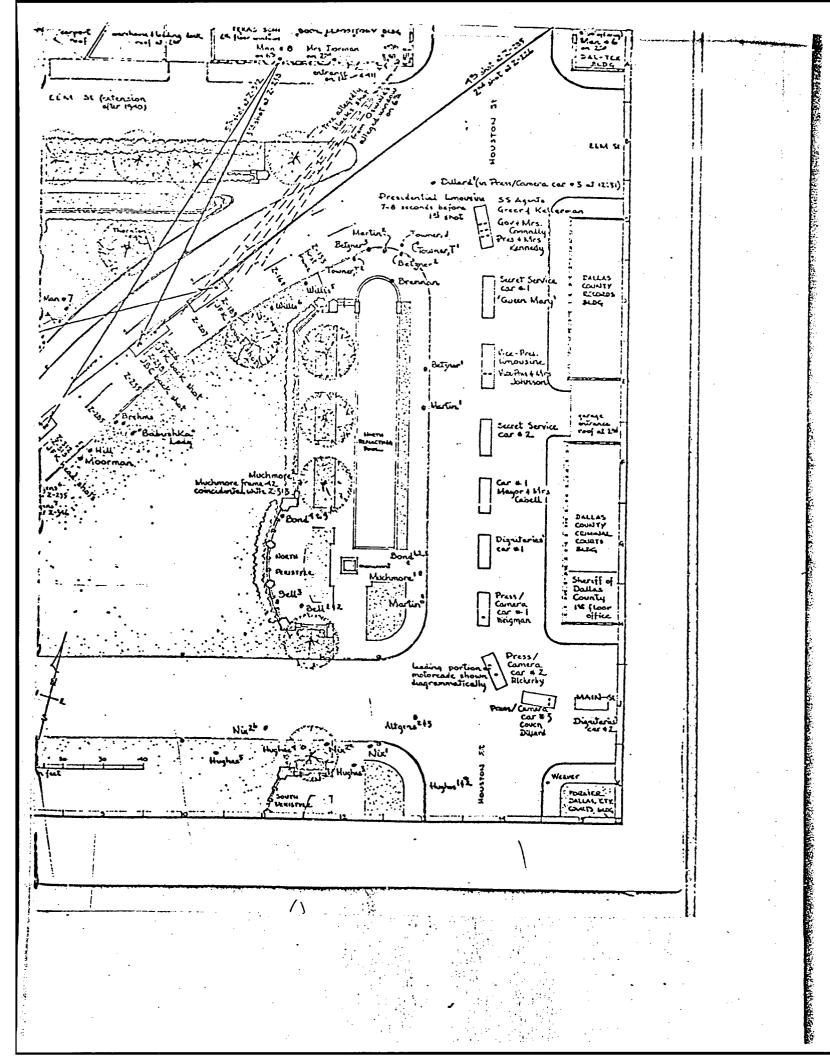
A Latin-appearing min who closely resembles one of the Cubans known to be involved in the New Orleans part of the conspiracy appears in the same viciality ( $^{\pm}16$ ). Some researchers claim that he is using a microphone and a two-way radio. However, I believe these objects to be part of the opened vent window on the Johnson secret service follow-up car.

The large oak tree (#17) is the one referred to showe in this article, as the tree which blocked the view of Kennedy from the 6th floor easternmost window in the Texas School Book Depository, at the time of the first shot (Z 189). The Warren Connissics Report admits the oak tree blocked the view from Z 161 to Z 207 (see Chart 1 and Chart 2).

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#### The "Umbrella Man"

Some interesting things happen when one trgins to analyze the many pictures taken by different photographers from different directions standing in different places, but all taken in the same small interval of 10 or 15 seconds, and all in the same small area of Dealey Plaza and its environs.

One of the things that happens is that the pictures confirm each other, and show what people were doing.

One outcome of the analysis is that we see other persons who also were taking pictures; then they toon can be identified and located, and their pictures also can be found, and copies of their pictures can , be obtained from them also.

An example of a result of even further analysis of the pictures in three dimensions of space and one dimension of time is that we discover the story of "the man with the umbrells",

When we first see the "man with the umbrella", he is holding it closed. This is when the Kennedy car sounds the corner from Houston St. into Elm St. Acxt he is holding it open and low over his head; the time is shortly before the first shat (see Fig. 9). Note that the weather is sunny, "slight breezes fund gusts"; it is a sunny November day in Dallas; "The time is noon; the temperature is 63° Fahrenheit, and there is no ordinary reason at all for holding an open black umbrella over one's head. The rein that had occurred earlier in the morning stopped about ten twenty, and the temperature is not high enough to be shading oneself. No one class in all of Dealey Plaza appears to have been holding an open urbrella. Next, he raises the urbrellu. still open, high up, about two feet higher; this is shortly before the last shot and the umbrella shows up in the Zanruder film. A few seconds after the last shot, we see him holding the umbrella folded (Table 3, No. 254). Then a few minutes later, we have three pictures of him, still standing in the same place, still holding the umbrella folded up. (Table 3, Nos. 40, 49, and 50) Wherea: everybody else in that area has dispersed rapidly he is still standing in the same place, looking in all directions. He has stood in a position to have been seen from all the places from which shots were fired. Yet he is in front of the Stemmons Freeway sign — so that people on the western side of the sign can't readily see him, and people in front of the sign are facing away from him. Ke can draw two tentative conclusions:

1. Visual coordination as well as radio coordination of the firing teams was necessary, because of the separation of the team mem bers by several hundred yards, the noise and confusion of the motorcade, and the crowd of spectators. The "man with the umbrella" might be the visual coordinator.

2. Also, it was likely that an on-the-scene commander was required in order to make the last-minute go-no-go decision. This man may have been the on-the-scene commander.

The Warren Commission did not see the "umbrella " in the photographs, did not find him, did not man' interview him, and did not enter him in any of its records anywhere. Neither did the FBI nor the Dallas authorities. Again, one asks why? It was a reasonably simple matter for an amateur to find Aim in the photographs. Jos'ah Thompson found him and mentioned him in his bock, Six Seconds in Dallas (see, pages, 227-228). Thompson even appealed for him, if innocent, to come forward and identify himself. That, so far, has not happened.

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	FOL AND DRAVALLATLE									
Lin Int	here of <u>Photographer</u>	Roll and Sequence Ma	Subject	11~						
	Reas Hannas		TS 83 - 1 - 1 - 1	10 14 15						

51	76	Bery Hoerwall	ä.	TSID clath floor window, before Resordy rounded the corner	10 to 15 soc. before shole
. 93	<b>F</b> 8	Wills	<b>i1</b> -	Fan arrested out- side of the Doi- Tex Beliding	within 20 mim. after the amole
378	72	Feley	1	ISID sixth floor birdon, with two men in the win- dow, reither of them Cswald	obout 10 <del>sa</del> , for. 22, 1963
376	КВ	Babushka Lody	<b>1</b> •	Navio of JFK pro- cession (from the athet side of the street from Zaproder)	about 10 ta 17 sec. ba- fore antil 7 to 10 sec. afterwords
376	28	Junes Powell, Army Istelli- çosce, Dalles	- <b>1</b>	1280	about the time of the shote
494	78	Similie	1	TSID, showing the sixth fleer win- dow empty except for box	briwoen first and lost shala
495	PB	Slaille	2	Kannedy Eurther doom on Eim St.	about 22 ses. aíter the ahele

\*? = still photograph; # = movie; B = black and white

## The "Babushka Lady's" Movie \_

As mentioned above, the pictures show other persons also taking pictures. One of these other per-sons has been called the "Babushka lady" uccause she is wearing a babushka (a triangular head scarf). She took a movie as did Zapruder, but she took hers from the left hand side of the motorcade; and she was able to take all the scenes beginning with the rounding of President Kennedy's car from Houston St. on to Elm St., and ending with the dead president's limousine passing under the overpass to go to the hospital.

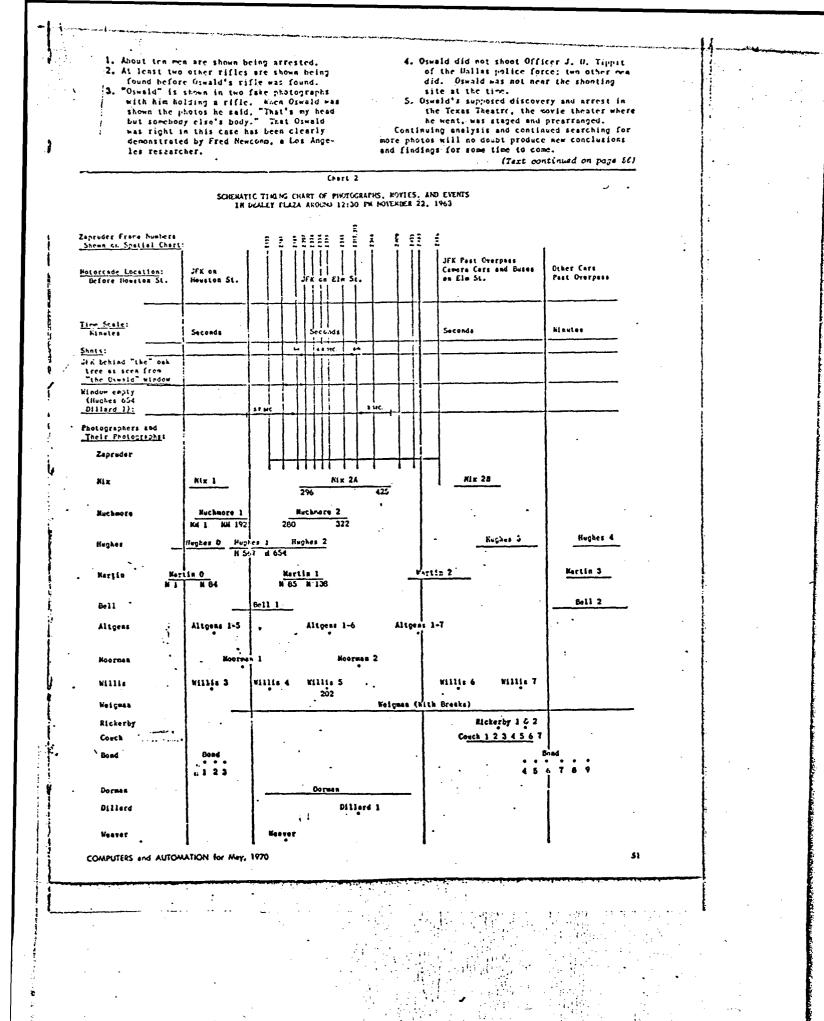
Her movie would be particularly valuable for it would probably show all that was going on on the grassy knoll.

She may have been Mrs. Beck, at the time a student at the University of Michigan at Ann Arbor. who was visiting in Dallas. After her movie was developed, Mrs. Beck talked about it to the Hetroit Free Press. Then the Detroit FBI attempted to find her. The information at present stops there. However, from observing similar actions of the FBL. one would suspect that they found her, obtained her movie, and either destroyed it or filed it away un-available to researchers. (See Table 2.) Until it can be confirmed that the "Babushka

Lady" is Mrs. Beck, their films are listed separately in Table 3 (Nos. 376 G 500).

#### Some Other Conclusions

A great many other conclusions can be drawn from or are significantly supported by the photographic evidence. A few examples are:



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 MAIN LIST OF OVER SOO PHOTOGRAPHS AND OVER 75 PHOTOGRAFILERS

	P.++ X+, 1	1+ Ty 24	Factographer Asmo G. No.	5:q. M,	Photo Shows	Fhc No. <sup>1</sup>	to Tyre	Photographer Rame G Me.	Seq. No.	Photo Saeva .
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		ĸ	hix.2		JK on Housian St. before shots JK on the St. just before, during C after head shot	70		-		shows TSIB from center of plank
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	5	ĸ	Auchmore,3		Arad shot JFK on Houston 51.	73	60 60	:	3-11	Thus from creater of place Thus from creater of place
	-	ik. K	N-sheed d		JFK on Ein just beford, during G offer head shot		88	• .		Triple overpass from same position 60 . Altgens 1-6
		×	Heghes,4		JFK on Housion from Kain St. 2/3 of say to tim	76 77	рд Гв	•		Triple overpass from same position Triple overpass from same position
•	•	ĸ			JFK on Houston & Eim & TSDD 618 floor win-	78	PB	•		TSING 5:16 FW from sime position as Altigons 1-6 Clock store
	10				Comera cars on licuston St New On Ool Tex fire escape, stilling	79	F8	-	4-17	TSIG 5:16 fW from same position as Altgens 1-6 fleck stors
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	13	н; ч;	•		Facking int Flace looking south from ercode	63		•	ŝ	Jin on Houston St.
	15				Farking Lot	84 85		•	4	Jik in front of 1563 Jik after first snot
	16	н. м;	•	10	TSND Didg top TSND Doorway & Dal Tex	86		• •	ĩ	Ein St. 6 grassy knoll after shots
·	10	NC.	Mertim,5	్లి	JFK on Houston St. (from DCA Film)	61		:	1	tim St. 6 grassy anoli after anots
		н.) НС	-		JRK in front of TSNU Bldg. Grossy knoll G Elm St. after shela	00 09	PC PC	-	6	TSHD Doorwey Houston St. Jooking N. from Elm. TSDD G
	21	нĊ	•	- 23	Grassy knoll & Elm St. after shots			_		Dal Tex
		N) NC	•		Farking Loi Cop on Holorcycle with Angro	90	FC.	-	10	TSIN front - Door-ay C S restern windows - Arrest and possible rifle
		RC .	•		B. Lovelady in front of TSND	91	ĸ	-	11	Houston St. Looking sorth from Eim St.
		HC .	:		C. Broke Interviewed on Eim St. View horth on Houston from Eim	92 93		*	12 13	TSND (all of it) from Houston & Noim Man arrested outside Dal Tax Bidg.
	27	к К	-		Virw North on Houston & TSND doorway	94		• .	14	White station wayon on Ele about 12:45
•	28	ĸ	:		Front of TSND - Cops with shotguns		ŝ	-	15	Scenes around TSim
	29	HC.	-	10	Del Tex Bidg - Cop with shotgue - Police Cars	96 97	к К	•	16. 17	Scenes around TSGD Secnes around TSGD
		HC .	Mentesass,6		L. Florer under arrest at Housten & Elm	98		-	10	Scenes around TSCD
	21	HC.	-	1	Top of TSBD - 2 ceps on Tik floor fire 68- care	100	F3 P8	Beiseer.12	2	JFK on Houston JFK in front of TSID
	32	NC .	•	2	Houston St. between TSOD and Del Tex -	101			3	JFK on Ein abcas time of first shot
	33	HC.	Bell.7	1	Rifle being exemined JFK on Houston St.	102		Bothun.13	1 2	JFK mear Love Field JFK on Haim approaching Houston
		÷.	•		JFK in front of TSHD	104	F8	•	3	Lead motorcycles approaching Houston
		HC HC	•	3	JFK approaching triple overpass <b>~n Elm St.</b> Grassy knoll area just after skots	105 106		-	4	JFK rounding cornes Weim 3 houston Arcade after shots
٠		RC .	•	5	Grassy knoll Area after shots	107		AP Photog-	ĩ	Group of photos takes outside fackland
		*	-		Center of Plaza after shots Grassy knoll area	108	-	repher.14 AP Photog-	1	Hospital Copy of Noorman 2 - Clearer then published
	39 40	NC NC	•		flaza from Bidg. on south inter in day			rapher.15		
	4	NC .	-		Plaza from Bldg. on south later in dep Notorcycles rounding Houston & Nain	109	<b>₽</b> 9	AP Photog- rapher.16	1	Officers & newsnen Inside TS80 at 6th floor window
	42 43	РС РС	Bond.8		JFK rounding Houston & Mela	110	63	AP Photog-	1	Group of officials and Pickup truck on
	44	PC .	-		JFK on Houston Grassy knoll G Elm St. after shets .			rephes <sub>y</sub> 17		Stermons Freeway - TSGD in background - Taken from moving car - 1:04 PM, Nov. 22
	45 46	PC PC	-		Grassy kholl & Elm St. after shets	111	гв	•	2	Triple overpass from same car on west
	- 47	$\sim$	•	6	Grassy knoll & Ein St. after thota	112	<b>7</b> B	-	3	Closcup of overpass - 1:04 PH from car
•	40 49	PC PC	-		Grassy knoll after shots Grassy knoll after shota	113	<b>FB</b>	-	4	approaching TSND, Dal Tex. County Records Bldg. from
	50	PC	-	9	Crassy knoll after shots				•	moving car on Main St. near averpass -
	Sł	69	2. Noorman,9		Notorcycle cop rounding corner Elm & Hous- ton	114	<b>P</b> 8	•	5	1:04 F4 TSDD, Dal Tex from cor on Koin St
		89 68	Altgese, 10	2	Grassy knoll & JFK at time of bead shot Lead Motorcycles in Motorcade on Main St.	115	PA	-	6	1:04 FM Cleck shows Grassy knoll & Triple everyess from car
	54	PB	-	1-3	JFK approaching Houston St. on Main			-		on Hain St.
		РВ РВ	•		JFK turning corner at Houston G Waim JFK halfway down Howard Eim	- 116	78	-	1.	TSRD. Dal Tex from car on Main - 1:04 PM - View of activity around corner of Elm
		<b>PB</b>	•		JFK after first three shots 6 before fatal			o w	•	& Houston
	58	<b>P8</b>	-	1-7	shot. Open window, fire escape, Dal Tex JFK approaching triple overpass. C. Hill			D. Miller.18	2	JFK early in notorcode JFK early in notorcode
	59	<b>PB</b>	• .:		on car Arcade & knoll from South of Elm after	117	78	•	3	JFK on Sternors Freeway - Pessible man with rifle in background - Cerham sign
	60		•		shals TSCD 5:06 PM November 22					shows JFK*s-C. Hill's foot sticking out of car
	61	PB		2-5	TSBD 5:06 PH Clock shows	118	<b>P6</b>	Rickerby,19	1	(Life) Arcude & West Cupels after shots
		P8 P3	•	2-13 2-2	TSRD 5:00 PH Clock shows TSRD from same position as Aligens 1-6	119	<b>PB</b>	-	2	(3 people) Arcade & Photogrophers taking pictures
	- 64	6.	•	2-14	TSND from some position TSND from some position S:16 PH Clock shows		,			(Com 2)
	64	P0 F9	•	2-19	TS00 from same position 5:19 PM Clack shows	120	. 10	· 0111er4.20	• 1	TSHD 6th floor window from Com 3 (Delles Norning N)
	- 61	1 68	• ·	3-20	TSDD from some position 5:19 PG	121	48	•	2	TSBD 6th floor window from Cam 3
	:	52							cow	PUTERS and AUTOMATION for May, 1970

..... Photo alPhotographer Seq. No. Type Hamm G No. No. Photo eithetographer Seq. No. Type have 6 he. He. Chete Shows Photo Shous Rane G No. No. Photo Shows
Yu. Allea.23 3-6 Larry Florer in Sheriff's office

3-7 Larry Florer in Sheriff's office
3-9 Larry Florer in Sheriff's office
3-9 Larry Florer in Sheriff's office
3-9 Larry Florer in Sheriff's office
3-10 Larry Florer in Sheriff's office
3-10 Larry Florer in Sheriff's office
3-11 This foom a distance'
3-13 Two cops in Tifly doorway
3-14 Three "trans" free R.R. yards is freet

of TMM
3-15 Three "trans" on Houston St.
3-16 Three "trans" bring led twords sheariff's office
4-2 Bullet mark on curb
4-3 Cullet mark on curb
4-4 Lt. Hontgrowry with bog G Lt. Johanse

with holdice 122 F0 0111er4,20 107 68 Overpass & cames cars as Ela 60 10 123 10 1:45 FH - Hand pointing to buildt mark (Dallas Horning Dews) Scene at Parkland 11A 110 4 10 J. LLIN.21 Hernital L contact prints of TSND Late an November 22 1.00 ¢0 125 na ГВ ГА ГВ 2 11 191 192 193 124 127 120 гл го го II contact prints of Perkland Hespital . G contact prints of Police station 16 contact prints of scenes around Park-lant Hespital (Dalias Morning Arus) LL. Montgenery car-CD. 194. • Ś 195 80 196 197 129 60 J. Beers, 22 1 (Dalias Heining brush LL, Keatgemery es rying lange pare bag LL, Montgowery with bag LL, Montgowery with bag LL, Jehston carrying Dr. Pepper battle Hores invide TSUD the flow window W.E. Baraett G J.M. Smith (cope) Larry Fierr as Housine SL. Area where Gimaid's rifle found Sime men being led from TSDD by copt 6-0 6-0 130 6.0 131 132 133 134 135 198 179 200 РВ Гв Гв r0 r0 r3 ға Га 201 105 - with bottle 4-6 Lt. Johnson with bottle G lunce sock 4-7 Lt. Johnson with bottle G lunce sock 4-14 Dates instite 6th floor window 4-15 Dates Instite 6th floor window 4-15 Dates Instite 6th floor window 4-16 These Instite 6th floor window 4-17 View down fin from 6th floor window 4-19 View down fin from 6th floor window 5-1 Krat bunger of car 5-2 Cep in front of TSMD 6 group 5-3 Group in front of TSMD 5-4 Cept in TSND doorway 5-1 Folice cars and crewd beham TSMD (ac 136 FB 137 FB 203 ГА ГО • 203 120 . Some men being led from TSDD by cupt 204 205 rD 18 10 10 10 10 10 . ra Three transa being led away from TSDD Three transa being led away from TSDD Rifle being carried away from TSDD by Lt. 11 140 ¢a. 12 204 267 80 15 200 ГВ 70 Day 142 68 14 Fille being carried away from TSDD by Lt. 210 £B Г8 Г8 143 P8 15 Rifle being careled away from TSED by Lt. 211 212 Day usy Two isdies 6 toy iceving 1580 View from 6th floor window - hov, 22 FM Os-aid arrival at Police Station 244 245 146 **r**6 213 ra Set Collec cars and crew behand TSCO (north) Set Police cars and crew behand TSCO (north) Set Police cars and crewd behand TSCO (north) Set Police cris and crewd behand TSCO (north) 10 214 LU. 17 01 01 01 215 10 18 140 117 140 149 150 Cop with shotyon looking up at TSBO Group around TSFR 19 216 C B 5-10 Folice Crist and Crista Lenier 18-1 (Borld) 5-8 Moyre G Latin was under arreit on Ein St. 5-9 Negro G Latin was in police car 5-10 Megro G Latin was in police car 5-11 LL, lay carrying rifle toward Heuston G 5-12 LL, lay carrying rifle toward Heuston G го ГВ ГВ 217 20 Old ansite asked can led away from TSHD 210 ra 21 Scene around 6 instate ISIN - view of east side of invites TSIN from point on Houston ra 22 2:9 60 2.20 221 PO 151 FB 152 FB 23 Els 24 3 boxes stacked up at TSDD 6th floor wis-. 222 PB S-13 Lt. Bay carrying rifle toward lousten G 6ew E1+ 153 25 Scene around & taside TSID FD 25 Scene sround G inside TSND
26 Scene sround G inside TSND
27 Scene sround G inside TSND
20 Scene sround G inside TSND
20 Scene sround G inside TSND
30 Scene sround G inside TSND
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35 Scene sround G inside TSND
36 Scene sround G inside TSND
37 Scene sround G inside TSND . 5-14 Lt. Day carrying rifle approaching cor-ГВ РВ ГВ 223 68 154 155 S-15 Lt. Day carrying rifle crossing Houstat S-16 Lt. Day carrying rifle clossing houstat S-17 Lt. Gay carrying rifle in front of Dal 156 157 158 159 224 PB ГВ РВ РВ 225 P8 PO Ter . S-18 Lt. Day carrying rifts in front of Dal. Tex РВ Р0 Р8 227 PB 160 161 162 6-3 Two works and man leaving a house A-5 Two works and man getting in police car - Another photographer shows 228 PB 229 PB second official picking up something from ground
 1-4 12:40 FM (inertz clock shows) builthers and group near spot where something picked up - South of Elu mear talet
 1-5 12:41 FM Grassy baoli from center of plass
 1-6 Group near foot of steps on Elm - TSNO G Dol Tex in background - C. Broku being interviewed 12:42 FM
 1-7 Group near foot of steps on Elm - Grassy haoli is background - C. Broku being interviewed 12:42 FM
 1-8 Group near foot of steps on Elm - Gastar al 6-5 Two worren and man getting is police car 163 78 230 PB - Another photographer shows 6-6 Two works and man in police car - An-231 PB other photographer shows 164 PB 165 PB 232 28 6-7 Two women and man arriving at police 4-7 Two works and man arriving at police station
5-8 Two works and man arriving at police station
6-9 Two works and man is police waiting room
1 (Ft, North Star Telegran) has arrested 233 26 166 234 PB 235 FB J.McAuley,24 in Ft. Worth mar police car Nan mar car in Ft. North - Nov. 22 PM Nan being led sway from car (Ft. North Star Telegran) Spot where Interviews 12:42 FM 1-8 Group mean foot of steps on Ele - Conter of plaze in background 12:42 FM 1-15 Cop with thotgun - Cel Tex in background -Elm 6 Houston 12:43 FM 1-16 Cop with shotgun - View cest on Elm from Houston 12:44 YM 17 forward 12:45 FM 167 28 236 237 83 2 F8 168 28 238 60 M.Cabluck.25 (Fi. Noris Star Telegram) Spot where builet hit grass
 Perkland Hospital - Hang people in front
 Perkland Hospital - Mang people in front
 Perkland Hospital - Mang people in front
 Ift. North Star Telegram) Desirg Fisza from Helicopter late Strens. 20:22
 Helicopter view of Desley Fisza from east of Da Tex 1 169 28 239 240 60 1170 . 28 1-17 (around 12:45 FM) ISDO from south of Elm on Г8 РВ licuston . 1-16 TSTD from south of Elm on Houston (closer 171. 78 FB vice) 243 1-19 Cre-172 28 d held back - Corner Elm & Houston out-244 28 3-19 Crowd held back - Corner Eim & Houston ou side County Records Bidg.
4-20 Dei Tex. rops with shotgues from corner Eim & Houston
2-3 Cops & Crowds in front of Del Tex fire escope - Kentersana in photo
2-4 Cop with shotgues in front of Del Tex
2-5 6th floor window - Man measuring cartons
2-6 6th floor window - Man measuring cartons
2-7 6th floor window - Man measuring cartons
2-7 6th floor window - Man measuring cartons
2-7 6th floor window - man measuring cartons
2-6 6th floor window - man measuring cartons 245 13 J.Cablack. 26 173 PB 246 29 of Dal Tex Helicopter view of Dealey Plaza from west . 1 174 28 247 PB 3 ٩. Helicopics view of Dealty Fisis from the of overpass Parkland Hospital, JFK car Parkland Mospital, JFK car Yiew of Railroad tracks from 7500 (Ft, North Ster Telegran) Three mea from R.R. tracks in front of TS60 and/or 175 176 177 178 Р0 Р0 Р0 248 PB . ĥ, 249 250 28 28 28 78 2-7 6th floor window - Nan accessing cartons 2-0 Cops checking cors lined up to leave park-ing lot 12:55 FM 2-14 12:55 FM Scriff woring set of 6th floor window acet to "the" window 2-15 "Assessing" window 2-15 "Assessing" window 2-16 12:55 FM Cops with shortguns - Ool Tex in background (lonks like Marray 2-15) 2-17 Larry Floror bring (fished 2-19 "Assessing" window 3-5 1:00 FM Larry Floror in Sheriff's office 251 G. Saith.27 1 179 PB arrest 2 Three men from R.R. tracks in front TS80 under arrest 160 78 252 PB 161 162 рв 78 under arrest Lt. Nontgomery with bag LL. Nontgomery with ing LL. Johnson with anch and bottle L. Johnson with anch and bottle M. ayrner 6th fleor TND inside 253 254 255 255 3 89 50 70 70 70 75 78 103 104 105 70 70 70 70 257 258 (Ft. Korth Star Telegram) Faotographers in camera car CAN 2 early motorcade W.Devis.28 106 COMPUTERS and AUTOMATION for May, 1970 53 ŧI •

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No. 1	* *****	Photograph Name G No.	er Seq. . No.	Photo Shows	244 No. 1	(* * [j24	i <sup>Padlographer</sup> Name G Ne.	seq. No.	Photo Stowe
254	83	Keignes, 29	1	Serne on Ein, gressy knoll, TSOD doorway from CAN 1	318	FD	Harrey, 30	2-24	Cops Briss Hal Tex Bldg Noosian St.
244		•	<b>≈</b> <sup>2</sup>	Acamans on ground - Cong 1 6 2 on Elm St.	3:4	r0	•		Group in frank of Dal Tex - Claseup 1:09
262 262		Merrey.30	1-2	Alark Alark	320	66	(miles and		ma to bey film? Norizy succe domatoma 1:21
263		-	1-3	Ein & Houston & Del Tex from in front of	321	t:u	•		Barty place downtown 1:24
244		-		15/0 12:33	322			2-20	Barley place downtown 1 25
245		-	1-4	- Parking Lot - North section 12:34	323				Larry elarer in Sheriff's office 1:20 Larry Finner in Sheriff's office 1:20
2.0		-	1-6	Parking Lot - South section 12:34	525		-		Group estade lat Tex 12:56
267	гв	•	1-7	Elm St. Ext From west end looking	326	60	-		Front of TSID & Elm St. Ext. Looking
21.0	<b>e</b> n	-		east 12:34	321	**	-	3.4	wist 12 54 View south on Houston from Elm 12:57
	58 1	-		Center of Plaza from knoll 12:35 Closeup of large group on north curb of	329		•		Vice truth on Housten from Elm 12:57
	••			Lin 12:35		ra	•	3-6	In Secult's office Life
270	<b>P</b> 0	•	1-10	Classup of couple on mosth side Elm SL -		ra	•		In Servill's office 1:5%
271	<b>P</b> A	-	1-11	TSAD in background 12:36	331 332		•		la merifi's office 1:00 In merifi's office 1:00
•••			4-11	Long shot facing overpass from steps on tim 12:37		re -	•		Mary Knorman using phone in Sherill's
272		-	1-12	Arcase & knoll from center of Plaza 12:38			•	_	office 1:06
273	28	-	1-12	Police examine spot on ground - lierts	334 335		-		View across Plaza free lioustan 1:07
274	Pa	-	1-14	clock shows the time 12:39 Same as 13 - South Slo anar sever outlat		ra ra	•	3-12	Bar ca lisuaton St. + South of Hein 1:12 Har ca founton St South of Hein 1:12
				- Walthers Lighting cigarette 12:39	337	60	•	3-14	Cat driver downlows where Harray bought
275	<b>7</b> 8	•	1-15	Waithers picking up something from			_		file 1:23
276		-		ground 12-37	330 239	rn ra	-		in Secriff's office 1:30 Overgass from Lin & Unusca
410	10		1-10	Volth: ' holding something in his hand 12:39		ra 73	•		Oversals from the G Houston
277	PB	•	1-17	Another official touching spot on ground	341	rn.	•	4-6	Overspass from Elm & Inuston
	• ~			12:40		ГВ Сл	•		This erst ent - Top floor
276	ra	<del>.</del> .	1-18	Police standing around spot on ground 12:40	313	66 63	-		This pest cml - All Eleore Linustes & Elm activity
274	70	•	1-19	Folice picking up other objects from two	315	ru -	-		Acustes & Elm activity
				spots - Clock shows the time 12:40	3:4	ra -	:		Heatten & Jan activity
200	PB	-	1-20	TSOUP Plaza & kaoli from Converce St	343	69 18	-		liculter & Elm activity - Peasible ar-
26:	65	•	1-21	Front doorway guarded by two cops 12:41 TSNO Plaza & knoll from Converce St.12:41					Test
202	63		1-22	Front door of TSHO from south of Elm 12:42		60	•		TSDE tast ent - Top floors
	69	-		Front door of TSM from south of Elm 12:42	350 351	ГЗ ГЗ	-		TS is last end - Top floors
	P0 P0	•		Front door of TSM - Closeup 12:42 Front door of TSW - Closeup 12:43	352	PG	-		TSD Fast end - Top flours TSD Fast end - Top floors - Clock shows
	P8	-		Negro boy in police car - Front of TSRD	253	PD	•		TYD East end - Tep floors
		-		12:43	354	60 60	-		This fast end - Top Giners
207	F8	-	1+27	Front door TSND - Claseup - Waithers in doorway 12:43	355 356	FB F8	-		TSH East and - Top floors TSH fast and - Top floors
286	<b>78</b>	•	1-28	View east on Elm St. from Houston G Elm	357	T	Atkins.31	- i	homans on the ground
				'Jal Tex & County Records Bidg. 12:43	358	Ť	-	2	hemaes on the ground
	78	:		County Records Bldg M Corner 12:43	359	P8	Concellare,3	2 1	hewmans og ground - beignan, Craven.
290	78	-	1-30	View north on Houston from south side of Eim St. 12:44	360	P8	. •	2	Aitpens <sup>10</sup> Normans on ground - Closeup
	<b>P</b> 8	•	1-31	TSID from Houston & Main 12:44	361	P8	•		Parasay lat
292	<b>7</b> 8	•		TSRO front & doorway from Houston & Elm	362	60	• ·	4	Placa & Elm St. Grom haoli
293	<b>P</b> 8		1.33	12:45 •TSRD front & doorway from Houston & Eim	263	<b>FB</b>	-	5	Crowd on north side of Elm from baoli - Cabushka Lody appears
				12:45	364	78	•		Crowd on Overpass watching JFK going
	P8		1-34	TSND doorway - Crowd in front 12:45					out Stemons Freeway
295	<b>F</b> B	•	1-35	Cop with shotgun - Dol Tex Bidg. In back-	365	PB	UP1. 33	1	Lt. Nostgomery carrying paper bag out
296	r8	• .	1-36	ground 12:45 View north on Houston from Elw St. 12:45	366	FO	OPI. 34	2	of TSiO Officers in front of TSIO
	78		· 2-3	View of overnast from Elm 12:40	367	78			Cory of um. Allen 1-3 with caption
	<b>PB</b>	• 4	12-4	Crowd on Elm & eastern Cupela from south					reading: "Dallas police search ground
299	<b>6</b> 0	•	•	on Lin, 12:40					for buildt believed to have lodged in the carth"
474	<b>F</b> B	:	2-3	TSRD front coor - Reporter tape recording interview with Brennan 12:42	368	69	UP1, 35	4	the carth" Negre girl crying outside Parkland
300	89	•	2-6	TSAD front door 12:42					inspitel
301	P8	1	2-7	TSID front door 12:42	360	<b>PB</b>		5	Negre girl crying outside Parkland
302	48		<b>2-0</b>	Walthers being interviewed in front of TSNO 12:45	370	PR .	Stoughton.36		Not sure he took anything Cam 2
303	<b>P</b> 8	- :	2-9	Walthers being interviewed in front of	371		Berrovs.37	1	Camera cars on Houston St. fron Cam 2
		i		TSND 12:45				-	(AP)
304	P8	• •	2-10	Policipan on 6th floor yelling out win-	372		-	2	Comera cars on Houston St. fros Can 2
305	00		2.11	dow G pointing to 6th floor window 12:55 Policette as 6th floor welling out win	373	MC.	Dormen, 38	1	JAX on Nousies - Glimpses on tim before shois
305	rv		4-il	Policeman on 6th floor yelling out win- dow C pointing to 6th floor window 12:55	374	HC	-	2	, skols Nore glimpses on Houslon after shals
306	81	•	2-12	Three ladies on top floor fire ascape	375			.39 1	TSO es AN of Nov. 22 - 6th floor wis-
				landing of Dal Tex 12:56			Photog. (Fele		dow .
307	P8	-	Z-13	Cops with shotguns in front of Dal Tex	376	HC	Krs. Beck.40		Not sure film exists - Taken Curing
308	28	•.	2-14	12:56 Ceps with sholguns in front of Vel Tex	377	PB	Weaver, 41	1	shots TSD 6th floor window before first shot
4-00 ·				12:50	378		Powell, 42	•	Const find him
<b>30</b> 9 ·	PB .	•	2-15	Cops with shotguns in front of Dal Tex	379		Velkland,43	1	JFA on Stemmons Freeway - Back of TS80
			• • •	12:56	-		Ma art		6 Parking ist
310	<b>7</b> 8	-	. 2-19	Cops with shotguns in front of Dal Tex 12:56	380	rc	NecComon, 44	1	Group of police interrogating an old segre outside TSDD
311	<b>8</b> 8	•	2-17	Larry Florer being interviewed in Sheriffb	381	PC	•	2	Group of police interrogating an old
		_ ;	-	office 1:06					acgre estside TSDD
215	<b>PB</b>	; •	; 2-18	Larry Florer being interviewed in Sheriffa	362		-		Scene in Dealey Plaza
	Pa		2-10	office 1:06 Four och in Sheriff's office 1:05	363 384	FC PC			Scene in Dealey Flore
1313			2-20	Larry Florer 1:06	385	Ř			Scene at Tippitt shooting Scene at Tippitt shooting
1313 314	FU.			Larry Florer 1:06	386	ŘČ.	•		Opeald in Texas Theatre just before
314 315	P0								
314 315	78 :		2-22	Larry Flerer 1:06 Cope beside Del Tex Bldg Nouston St.	367		•		screat Owveid in Texas Theatre just after

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COMPUTERS and AUTOMATION for May, 1970

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<ul> <li>A. Ly "And A. A. (1)</li> <li>A. Ly "Mark of a first state for an analysis of the state of the state</li></ul>			Pastographe	r Seq.		<b>F</b> ba				• ···	•••	; . ;	·
<ul> <li>A.A.L. Water, 4. J. Science in the intervence in the inte</li></ul>				he.	Froto Shors	No.	Type	hand G No.				t.	
39 T       2 bits status titist (100) Resigner to get	303	<b>/</b> 8	Joctson.45	t				H. Couch.49	4	Con with ervolver draws - South of tim			
99 T       -	309	T	A.J.L'Heste	46 1	Station WIAS-TE CANES PROSographer - Cop		•		,	Moorman, Tagle South of Ein - Successon	;		
<ul> <li>Jung and Jung and Jun</li></ul>	370	т	· •	2		437	τ	•	6				
<ul> <li>Bernstein and State and Sta</li></ul>	391	Ŧ	-	1	TSBD deerway					ornuns	1		
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40       T       41       5       10       1			•	12	orm two and criving down Eld St. Mexican & angra ied ta palica car on Eld						1	i	
63 T       T. Alyna, H       1 (mining the first of the firs		-	-		51.					back to oversels - Executive train	•	1	
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422 T       Several police cars 6 cops sear Tippitt       467 T       Grawnd       Grawnd       Tire esplare - Doil Ter is back- grawnd         422 T       6 Graw public daroad Tippitt's car. Prices of paper or prior Tipping as skin- ding to Export or Tippitt's billfold (secord- ing to Export or Tippitt's billfold (secord- daroad tippitt's billfold (secord- ing to Export or Tippitt's billfold (secord- daroad tippitt's billfold (secord- darod tippitt's billfold (secord- darod tippitt's billfold (					parking lot				63 2	Sinth floor winter from directly beneath -	•	1	
<ul> <li>422 T</li> <li>422 T</li> <li>5 Several police cars &amp; Gops mear Tippitt</li> <li>447 T</li> <li>426 T</li> <li>427 T</li> <li>6 Group guidered around Tippitt's car.</li> <li>428 T</li> <li>429 T</li> <li>6 Group guidered around Tippitt's car.</li> <li>429 T</li> <li>6 Group guidered around Tippitt's car.</li> <li>420 T</li> <li>7 Gaps examine Tippitt's billfold (accord- ing to fail and was in an entry of the second of the</li></ul>	441	T	-	•	en in init licetel telking geor ased	400	T	•	3				
422 T       • Green guitters around Tippitt's cer. Picce of paper or posteri jjig es data- band - M detail 424 T       450 T       • S filter cegine serieg North to Elis as Hess- ten backeys and tippitt's billoid (accord- log to Stilss due is marrealized in StOD from directly be- ecth bid issil around is the stressing of the store and bid issil around is the store store bid issil around is the store store capacity for a directly be- ecth bid issil around is the store store capacity for a directly be- ecth bid issil around is the store store capacity for a directly be- ecth bid issil around is the store capacity for a directly be- ecth bid issil around is the store capacity for a directly be- ecth bid issil around is the store capacity for a directly be- ecth bid issil around issil around is the store capacity for a directly be- capacity for a directly be- for a directly be- for a directly be- for a directly be- for a directly be-	422	T		5	Several police cars G cops mear Tippiss	467	T	•	4	Cops with shotgues - Oul Tex in back-		ŧ	
<ul> <li>Piece of paper or poster lying as dathed to be active in the intervent of the intervent intervent</li></ul>					car holding gun belt							f	
424 T       T       To Gops examine Tippitt's billfold (accord)       470 T       T       Fifth floor window TSD from directly be- extth         425 T       To Gops examine Tippitt's billfold (accord)       471 T       Fifth floor window TSD from directly be- meth       471 T         425 T       G Group around Tippitt abolies as ec- time - Li dires way with scences in belding Tippitt abolies aread cappied)       471 T       G Group around Tippitt abolies aread cappied)       473 T       10 Gap incluse car fin belies aread time - Li dires way with scences in belding tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in belding Tippitt abolies aread time - Li dires way with scences in time - Li dires way with scences in tis dires fore to trow aread police (cr a suidif dires in tis dires	. 423	T,	•	•	Group gathered around Tippitt's car. Firce of paper or poster lying on dath-	468	T	•	\$			Ť.	
ing to Folland whe is merreting) - Note       ereth       ereth         pad inside - Cope point to it Cop       471 T       • Gop vith shoring C police efficial - Dal         425 T       • Group around Tipplit shoeling site (eret- exposed)       472 T       • Group or its before site car         426 T       • Group around Tipplit shoeling site (eret- tien - 1: ditres may with somese in back seat       473 T       • O Cop locking op at TSOD with shoring tien - 1: ditres may uith somese in back seat         427 T       • IO Police cars driving up to Texes Theatre tien - 1: ditres may uith somese in back seat       473 T       • IO Cop locking op at TSOD with shoring tien - 1: ditres may uith somese in back seat         427 T       • IO Police cars driving up to Texes Theatre tien - Cops going in - Car palla       473 T       • IO Cop locking op at TSOD with shoring tient for the very op at to well the shoring tient for the very op at Courty for the very op at Courty for the very tient for the very op at Courty for the very tient for the very op at the very op at Courty for the very tient for the very tient for the very op at the very op at the very tient for the very tient for the very op at the very op at the very tient for the very op at the very op at the very tient for the very op at the very op at the very tient for the very the very for the very tient for the very op at the very tient for the very tient for the very tient for the very tient for the very tient for the very	•	_!	_	_	board - No detail	<b>469</b>	T	-	6				
pod inside - Core point to it Core       471 T       • Core with Nettige C police efficial - Dal         425 T       • G from paroved Thypitt Shoeting site (ever- exponed)       472 T       • Sixth floor sixes from backeth - Fass         426 T       • F from a from police care is belies sce- tise a - Li drives may with Someone is back scat       473 T       • Sixth floor sixes from from backeth - Fass         426 T       • F from a from thy with Someone is back scat       473 T       • I Core booling up at ISOD with theirs is ccater core goling and their scate with theirs         427 T       • IO Police care driving up to Texes Thestre dT       473 T       • II Core looking up at TSOD with theirs is ccater core goling is at Courty States with Neetter - Core goling is - Care poling with States Thestre - Core goling is - Care poling with States Thestre - Very dark - Lights       475 T       • II State is the state is at 6th floor with a state formany police care were goling is to TSOD with theirs is ide doorney         410 T       • II Texes Thestre - Very dark - Lights       476 T       • II State is the state is at 6th floor with a state form and police care were is a state form and gate from near TSDD doorney       • II T form near TSDD doorney         420 T       • II Texes Thestre - Owneid texand floor       • II T form near TSDD doorney       • II T form near TSDD doorney         420 T       • II Texes Thestre - State of State of TSD - Core do as sort side form near TSDD doorney       • II T form near TSDD doorney         421 T       • II C	-424	<b>T</b> -	-	. 7	<pre>tops examine Tippitt's billfold (accord- ing to Relland who is negratize) - Note</pre>	470	T	*	7		•	1 ·	
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- 428 T 429 T 429 T 420 T		т	•	10						Cop locking up at TSDD with shotgen			
<ul> <li>429 T</li> <li>12 Terns Theatre - Cops going in - Car pulls</li> <li>430 T</li> <li>13 Inside Terns Theatre - Very dark - Lights</li> <li>477 T</li> <li>14 TSUD from Houstan St Pans in on 6th bilaking - Cops hastle Drunid tward</li> <li>478 T</li> &lt;</ul>	- 428	Ť	:	11	Texas Theatre looking up at tower			•				14	
<ul> <li>430 T</li> <li>13 Iaside Texas Theatre - Very dark - Lights 477 T</li> <li>14 TS00 from Housten St Pans in en 6th blinking - Cops hastle Orwald tward</li> <li>14 TS00 from Housten St Pans in en 6th liaside doorway</li> <li>15 Secretal more men geing into TS00 doorway</li> <li>16 Cap C two police efficials running fast from near TS00 doorway tward gange entrance of Cenaty Record Bidg.</li> <li>10 T K. Cowch. 47 1 (MrA-TV ADC) in CAV 3 - Natorcode en 480 T</li> <li>17 L. Cowch. 47 1 (MrA-TV ADC) in CAV 3 - Natorcode en 480 T</li> <li>18 Arterst C possible rills in front of TS00 - Crowd on acris side of Clin en CAV 3 remains correr Heusten G</li> <li>13 T</li> <li>2 Front of TS00 - Crowd on acris side of Clin en CAV 3 remains correr Heusten G</li> <li>14 T</li> <li>16 Cap C two police circles in a front of TS00 - Crowd on acris side of Clin en CAV 3 remains correr Heusten G</li> <li>14 T</li> <li>15 Secret a rore in an a with embrelin folded - Officer Heygood ep- proaching merits crob - Mergis running to cycle Secth of Clin St. en CAU 3 mening</li> <li>14 T</li> <li>15 CAU 1. CAN 2. other photographers on proaching merits crob - Mergis running dem Elm</li> </ul>	429	<b>.</b>	-	12		676	Ŧ	•		Bldg.		i.	
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<ul> <li>433 T</li> <li>2 front of TSCO - Crowd on morth side of (sume as Willis iO)</li> <li>Clm as CAN J remains corner Heatien G</li> <li>462 T</li> <li>3 CAN 1. CAN 2. other photographers on T</li> <li>20 Facto secret scrute man G Roger Craig in Acell - Newman se ground - man with and control of the Acell - Newman se ground - man with andreling secta crute scrute man G Roger Craig in Acell - Newman se ground - man with andreling secta crute scrute s</li></ul>	432	T	H. Couch. 49	1				•				•	
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<sup>•1</sup>Legend for Type of Photo: H = Hovie: P = Still Photo: T = Television Featage: C = Color: <math>h = Black G antie<sup>•2</sup>Tacre are 10 other photographers' sequences in the DCA flim in ad-UNLICE TO MATLIN & MENTESANA

"Left off 10 other photographers is guession in the output of the status of t

In addition there are four other Alack Star photographers who teck pictures: Gene Daniels, Natt Herren, Shel Hershorn and Mr. Stulke.

Photo Shous Appress in Muchante 8

Palierman says he san someane an averpase

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Approved in Nurray 1-22, 1-23, 2-5, 2-6 and 2-7 In INNO dormay bol sure be took anything - bas in Citl 2 Took Lim St., photo before matercase ar-

JFK early in motorcade. Jack Puby? G

TSED scenes - KiLO photographer

strippert standing on curb Kan tailing movies from upper fisor of Del Tex Didg. Sorrels took possession. See Samper Test. dis24

Appears in Murray at Unusian & Elm

Appears in Martin 3

tealing pletures

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Apprais in Altgres 1-4

Mr. Stuble. Core Dakiels took a total of 240 black and white, 35 na still photes during the hoscener 22-24 period. A few of these were taken the afternoon and evening of hostmber 22 and the rest an homemer 23 and 24. There are scenes at Desiry Plaza, 75:0, Sheriff's office, Police station, Police press conferences, Givaid's rooming house and room, Osmald's public appearances, and sizes of Elm St. from Dal Tex Ridg, through telescopic states

and since of Lin Sc. from Dai jek Ridg. through telescopic sight. Their photos are not counted on this list because they were not taken on hourcher 22 in Dealey Plaza. Man with sign saying "S.O.B. Jack Kennedy" is standing on South carb of Line Sacing position of man with welcells. This photo taken about 1 minute after shots. Could be a signal for successfal bit.

derwood and Sanderson stored the same camera. Underwood bar-zowed it from Sanderson shortly after about were fired, taes rotarmed it. It is not certain which one took bhat sequences.

## Part 3. The Application of **Computers to the Photographic** Evidence

## Correlation of the Evidence

It is highly desirable to apply the powers of the computer to analysis of the evidence. And since "the evidence" is a very large order, it makes sense to begin with the "photographic evidence". Suppose we estimate at 200 the number of frames in an average photograph which is a movie or television sequence. In Table 3 (the main list) there is a record of about 44 movie sequences, and 101

<sup>1</sup> television footages, 145 in total. This means that there are over 25,000 frames, plus approximately 350 still photographs, to be analyzed.

Over 200 persons, objects, etc., are mentioned briefly in the simple short descriptions of the photographs in Table 3. As more photographs are studied, other persons and objects can be identified. The different items need to be identified by codes; a sample of the coding scheme that would be applicable is shown in Table 4.

The sheer volume of record keeping for 200 to 300 objects and persons appearing in 25,000 frames requires a computer. The analysis of what appears in groups and series of photos and frames also requires computerized correlation.

Now will the information for a photograph be entered into a computer? One reasonable way of proceeding is to make a "coding sheet" for each photograph, preparatory to giving it to a clerk for in-put into computer language. The coding sheet and instructions will look something like that shown in Table 5.

Suppose we have put together a computerized data base of the photographic evidence in this form. What will be the sorts of questions which computer programs will enable us to answer? Here are a few samples:

- Which are the pictures that show object ... or event ... ?

Where was man # ... from time ... to time ... ?

- When did movable object ... leave the scene?

Essentially, when one is using an ordinary file and not using a computerized data base, the information in the file is accessible only by the main sequencing - in this case, the number of the photographer and the number of the picture or movie frame that he took. Cross referencing is possible. but difficult, time-consuming, and clumsy. Khea one uses a computerized data bank, cross referencing becomes very easy and fast. In fact, it may provide so much more facility in getting at the

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## Table 4

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bey	103	men with sign	130	County Courts	302	ald building	
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Con driver	195	brern	134	frame bulldlags	3/5	Tress Tarates	
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man in chirt sleaves	120	while-heired men	156		<u>Qair</u>	514	
<u></u>				back seat	501	live shelt	
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20012	291	h.w. corner 6th floor	218	builet	504	Pete pud	
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rifle found		Usk Cliff	219	covers (cos)	146	paper ar poster	
bar en housten St.	203	averpass (triple	220	Coreto Coro	507	pirios truck	
Connerce SL.	205 -	64742653)		Cars	500	police cars	
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FL. Worth	212	sheriff's office	226	Dr. Fepper bottle		Shrubbery	
gerege entrance of	213	spot where buildt hit	227	fence	515	telescopic sight	
Sheriff's building		grass (bullet mark)		fire engine y	516	treet	
cressy knoll	214	Stemese Freewy	228	foot	517	umbrella	
Houston St.	215	sleps	229	( ç.m.	518	unidentified object(s)	•
Lave Field	216	Tever	230	. kand	519	white station magon	
Naim St.	217	used car lot	231	J.F.K. car	520	windows	
		west capels	232	light gray jacket	521		

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available information and answering questions, that it yields a revolutionary increase in what one can deduce.

## Directions, Locations, and Timing

In addition to the content of the photographs as reported in Table 3 five more items of information need to be entered on the computer record of each frame or still photo:

- the identification of the photographer who
- took the photograph;
- the location of the photographer when he took it:
- the direction in which he took the picture;
- the time when he took the picture
- the identity of the person doing the anal-
- ysis or submitting data about the picture. The FBI and the Warren Commission staff made a

careful analysis of the timing of the frames in the Zapruder film, and correlated, these times with the positions of the presidential limousine and other cars in the motorcade. (See Chart 1). Consequently, there exists an accepted time scale at 1/18 second intervals which applies to the events in the photographs: the scale consists of eighteenths of a second (named with frame numbers of the Zapruder film) during the crucial 6.8 seconds of the fatal interval. I was able to extend this teference techmique by using four other movies stretched and to end in time to cover the period from the moment Kennedy rounded the corner of Houston and Main Sts. up to the beginning of the Zapruder film.

A preliminary correlation of the times of various movie sequences and still photographs is shown in Table 1, for the period of Kennedy's travel through Dealey Plaza. In addition, Jim "urray's photographs form an excellent time reference base at less than 30 second intervals for nearly an hour after the last shot, beginning at three minutes after the last shot, beginning at three minutes the end of the Zapruder film (roughly ten seconds after the last shot) up to the first of "wurray's photos (about 3 minutes), is covered by several movies and TV sequences.

Clearly, a human clerk would find it difficult and tiring to enter the bulk of the applicable information for each frame of a long sequence. But a computer program should be able to enter a large part of the applicable information into the computer record for each frame.

The computer should be able to compute and keep records of the timing of all events, in seconds or minutes before or after the time of the first shot.

## Image Enhancement and Correlation

Another possibility which computer graphics makes possible is image enhancement. This is an activity in which the buman eye is expert. For ex-

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## Table 5

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#### COOING SHEET FOR COMPUTER-ASSISTED ANALYSIS OF PHOTOGRAPHS - PRELIGINARY

Field	Coding <u>Jactructions</u>	Approx. No. of Charactory
A. ICratifications		
I. Photograph Number	Use photograph mumber In main list	3
2. Type of photograph	Use H for movie, P for still photo, C for color, R for black and white, T for tolevision footage	-2
3. Photographer	the phylographer sumber in main list	2
4. Sequence number	Use photograph sequence sumber in main list	8
5. Forson who analyzed pholograph	Use analyst identifying number according to a proviously actablicted hey	2
B. Contents of the Photogr	(478)	
<ol> <li>Skolographers (holo: a picture pay of course show other pholographers taking pictures.)</li> </ol>	Use photographer swaber. Previously, more an alph- abelic key to photograph- era from mala liet	0 to 12
2. Other persons (in the picture who are sot photographers)	Usa person code in Tabla 4	0 te 12
3. Regions er ploces	Use place code in Table 4	3 1+ 12
<sub>e</sub> 4. Salidings c'	Use building number in Toble 4	0 te 12
5. Events and assists	Use code in Table 4	3 te 12
4. Objects	Use code in Table 4	ð to 12
7. Place of the photo- graph 1	Use the gold shown in the map, letter first, then sumber	2
. 6. Iin ( )	Use time code. Previously, adopt a scale of times; fractions of accords, la- beled with Zaprucker from sumbers during the Za- pruder movie zequence showing the shots; them, seconds, minutes, and hours before and efter the	<b>5</b>
9. Capable summery of platograph	Z sequence as may be ep- propriate; then, days and dates Use 10 to 30 words des- cubling the contents and importance of the photo-	60 te 200
Approzá chatact	graph, according to apecified rules for sum- marizing and examples mate maximum number of total acts for box computer second.	200 40 200

characters for one computer record: 200 to 200

ample, when a picture is printed in a newspaper it is "screened", i.e., converted into a collection of snall dots — some of which are white, some of which are black, — printed in varying intensities, and the human eye looking at the result ressembles the dots into a picture. If you take a magnifying glass, and look at a newspaper picture, the collection of dots becomes completely visible, and you are filled with an appropriate wonder over how the human eye manages to put them together into a picture.

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However, if you desire to apply image enhancement with computer graphics, you find yourself with a two-edged sword, in this sense: If you know what you are looking for, then image enhancement can aid

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you. For example, it is easy to find where a circle is located if you know definitely that a circle is in the picture. But if you do not know what you are looking for, then it is easy to find and see things that are not there. For example, there are "experts" who can make people out of lushes, or make bustes out of people, or see canals on the surface of Kars.

In the case of the photographs taken at the time of the Kencey assassination, we have, hnever, a different situation. Suppose that four photographs taken at just the same time show a particular spot on the grassy knoll from almost the same direction: it should be possible to use techniques of image enhancement and correlation, and thus see more clearly exactly what was at that spot. For here we are putting together not the information contained in just one picture, but the information contained in four pictures.

Several photos taken from different angles could also enhance an image in three dimensions. (The puff of inoke, for example).

## Objectives of the Computer Search of the Photographic Evidence

What are the sorts of questions that might be assured from a thorough, computerized, search of the photographic evidence? Some of these questions are:

- 1. Can rifles be seen in firing positions? 2. Can the faces of the gunden be seen?
- 3. According to the Warren Report, 50 witnesses (a majority) thought the shots came from a grassy knoll. Some of them saw a "puff of smoke" — do the photographs show a puff of smoke? (At least dime photographs do.)
- 4. Do the photographs show that shots came from the knoll? (Yes.)
- 5. Does the testimony of the witnesses as to what they did, agree with what the comeras showed that they did? (One Dalles police officer testified that after the shots he ram up the grassy knoll. But he is shown is some of the photographs, and he did no such thing — he just leaned against a lamp post.)
- 6. Can guaren be traced through a series of photos?
- 7. Given a certain object or event in a particslar place, which photos should show it during a particular time? There is no doubt at all that a large number of

There is no doubt at all that a large number of steps can be taken towards the visual re-creation of that fatal scene, through the study of over 350 still photographs and over 25,600 frames.

The tesk of computerized analysis of the photographs has been started, but there is a long way to go. A great deal of good detective work should be able to be accomplished through computer recordkeeping and analysis of the photographic evidence in the assassimation of President Kennedy.

## Part 4. Appendices

## Acknowledgements and Notices

I with to express thanks to the following researchers and authors who contributed to the collection and analysis of the photographic evidence and who stimulated me to undertake the work on the photographs: Richard Bernabei, Richard Billings, Lillian Castellamo, Bernard Fensterwald, Margarei Field, Jim Garrison, Trent Gough, Jones Narris, David Lifton, Ray Marcus, Sylvia Meagher, Gary Murr, Fred Newcomb, Vincent Salandria, Gary Schoemer, Jo-

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siah Thom, son, William Turner, and Harold Weisberg. However, what is said in this article is my responsibility, not theirs.

Since a large number of details are covered in this article, and since there may occur errors of omission or commission or incomplete or inadequate analysis of some on the evidence. I would greatly Appreciate any comments and corrections any reader may be kind enough to send me. All corrections will be published at a later date.

If by accident we have infringed on anyone's consticut in a publication of a picture, we shall be glad to pay the normal convercial rate for the use of the picture.

If any reader of this article desires to ask some specific questions in regaid to the assassinations of President John F. Kennedy, er Kartin Luther King, Jr., or Senator Holert Kennedy, about what has so fir them found out by the researchers. <u>Computers and Automation</u> will make an effort to provide brief replies to these questions. Plento write to Computers and Automation, Att'n K, RIS Washington St., Newtonville, Kass, OlivO: and please enclose a selfaddressed stamped envelope for each question, since the questions may be routed to different researchers for the answers. Unlike the Warren Commission, the researchers on not intend to disband immediately after issuing a set of conclusions, and to thereafter ignore all questions.

If any reader of <u>Computers and Automation</u> is interested in contributing computer programming or computer time or materials or funds to the investigation and efforts of the researchers in the NGTIA, he should write to dernard Fensterwald, Jr., Chairman, NGTIA, 927 15th St. N.W., Washington, D.C.20005.

A double-size chart (22 inches by 34 inches) of Dealey Plaza showing the events in Dealey Plaza like that here published is available. It may be ordered for S5 from Cutler Designs, 38 Union St., Nanchester, Kass. 01944. If you desire the chart unfolded, please specify that it be shipped in a cardboard tube. As additional information becomes available, the large chart will be brought up to date.

## Epilogue

When I have talked from time to time to various audiences on this subject and shown them some of the photographs. I have encountered a number of questions. Some of these questions are here discussed.

• Why is it important to get to the bettom of the assassination of President Kennedy, now, after six and a half years have gone by? — There are several reasons. One is that there is a pattern of assassination (with evidence suggesting, conspiracy) of important American leaders; two Kennedys and Martin Luther King, for example. A specond reason is to save America — i.e., the United States as a democratic American society — by exposing the truth. • Do you think you can save America? — It can be done but only with great pain, just as there was great pain over the Dreyfus Affair in France, 1894 to 1906.

• Why are you yourself so concerned about this? — Because I personally believe that the assassination and its coverup changed the course of United States bistery from a positive one to a negative one in a way that no other event or series of events ever has. I believe we must eventually rid our country and our own minds of the terrible social and political cancer that would allow this to happen and, worse, to permit the truth about the assassination to remain suppressed.

• Why did not Senstor Robert Kennedy do something about this? - It is sad that he did not, for I

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think he would have been alive now if we want. There is little evidence for any answer, but there are two popular theories. One theory is test, even though he knew the truth, he underestimated the forces that stood between him and the presidency of the United States, and that he assumed that, once President, he could expose the truth. The second theory is that his connections with the Central Intelligence Agency and the failure of an attempt to assassinate Fidel Castro resulted in some anti-Castro Cubans and others participating is organizing his assassingtion - some of the same recyle who had participated in the assassingtion of ais broth-I do not know why Senator Hubert Recaedy reer. mained silent; why Senator Duard Kennesy remains silent; and why they have both suppressed the autopsy materials on President John F. Kennegy. . No you think District Attorney Jim Garrison is a madman or a fool or insame? - No. I think that he is obsolutely some, and one of the old-style Americans left, and that he mas a great deal 10 courage. He also suffered from underestimating the strength of the forces ranged against nim. In addition, the CIA penetrated his case against Clay Shaw; they were even paying the in-yers of some of the people he arrested or attempted to suppoena. He said, "You can't conduct a trial of a CIA-backed conspiracy in an ordinary U.S. courl." . Why did the national news media cooperate in the attack on Garrison's credibility? - Tris question is hard to answer in a short space. For much light on this important subject. I refer you to Mark Lane's book, A Citizen's Dissent, now in paperback. · Are you telling me that men as distinguished as Chief Justice Earl Warren, John J. HCLoy, Allen Dulles, Gerald Ford, and others on the warren Commission can be wrong about their corclusion expressed in the Warren Compission Report? - Yes. If you want to know how and why, read the book Inquest by Edward J. Epstein, which is a valuable contribution. But Epstein was paid several tens of thousands of dollars (perhaps indirectly from government sources) for the article that he published in the New Yorker magazine attacking Garrison, and that article contains over 100 misstatements. Recently, one of the Warren Commissioners, Senator Richard Russell, has said publicly that he has doubts about some of their conclusions. Also Jesse Curry, Dallas police chief in November 1963, has said publicly the same thing.

• Did Lyndon B. Johnson know about the plans for the assassination of President John F. Keancdy in Dollas before it happened? — So far to substantial evidence has been found to show that he did.

Did J. Edgar Noover know about the plans for the assassination of President John F. Hencedy in Dallas before it happened? — There is conclusive evidence that J. Edgar Noover knew, and issued no warnings. • What can be done?

- One of the things that anyone can do is to read up on this subject, become informed, and talk to his friends.
- Another thing that may be possible is to organize in a year or two as untainted Congressional committee of investigation, which will look into political assassinations in the United States.
- 3. It would be good to persuade President Richard Nixon to issue an executive order to release the classified documents buried in the National Archives for 75 years (by President Lyndon Johnson's executive order), along with the Kennedy autopsy materials.
- It would be good to dismantle the Central Intelligence Agency — which President Kennedy before he was assassinated said he

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wcul " to do - and distribute its functions elsewhere, and in the meantime make it accountable for budgetary funds voted by Constrast.

5. It would be good to expose J. Ecgar Honver. to call the attention of the public to his suppression of evidence and his failure to warm President Kennedy of the plot for assassinating him in Ballas, and to compelhis resignation. The fBI knew shout the plot well shead of time - through Osweld's how. 20 phone call, and the Miami polico's warning, at least.

· What about on organization dealing with this sub-Ject? - There is one. As weatinned showe, & con-Siderable amount of the new ovidence comes from the work of a group of researchers, who have interviewed many witnesser, examined many documents, and studied many of the photographs. This group of researchers is loosely coordinated by the National Committee to Investigate Assassinations, which has an effice in Washington, D.C., and whose chairman is Hernard Fensterwaid, Jr. He is a washington estorney who a few years ago was the head of the legal staff assisting Senator Estes Refauver in his investigation into organized crime. He was also Senator Edward Long's attorney in the administrative procedures sub-committee of the Government Operations Committee. The SCTIA has been accumulating evidence, which is stored in a number of different places. and stands ready to cooperate with law enforcement agencies as well as Congress. The committee needs money, particularly for computerized correlation of the mass of cvidence it has accumulated. The name and address are The National Committee to Investigate Assassinations, 927 15th St. N.M., Washington, J.C.

. What about the mysterious deaths of witnesses? - One of the researchers who is a member of the committee is Penn Jones, Jr., Editor, Midlothian Mirror, Midlothian, Texas, who has been compiling and publishing evidence for over six years. He maintains a list of witnesses who "knew too much" and who have died unexplained deaths. There have been over 50 deaths among this group (according to his definition of it) in the time since November 22, 1963; the chance that that number of deaths is due to natural causes is much less than one out of a million millions.

· Have any of the researchers been killed or threatened? - No. not yet. In appraising the forces on each side of this issue, the great weight is still on the side of the American people, who have not yet been completely "taken over". In fact the capacity of the American people to deal with the misinformation and propaganda being told them through government publicity, government state-ments, and government commissions seems to be steadily improving. The most recent examples are Songmy. Pueblo, Laos, and Cambedia. Besides some branches of the Federal government such as the CIA and FBI. only some of the police departments of the country (such as Dallas, Kemphis, Chicago, and Los Angeles) have so far been "taken over" (in the sense of full cooperation with the suppression of evidence about assassination plotters and other political plots). There is a good chance that these police departments can be "taken back", provided we the people can see more clearly what is happening. There is hope.

## Bibliography

Buchanan, Thomas F / who Killed Kennedy? / G. P. Putnam's Sons, New York, N.Y. / 1964 Cutler, R.B. / The Flight of CE 399: Evidence of Conspiracy / R. B. Cutler, Manchester, Mass. / 1969, softbound, 73 pp. \$ 7

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- Epstein, Edward J. / Incoments The Average Conduction and the Establishment of States of States and \$5.00
- Flammandel, Paris / The Fernels Consurres. An in-commissioned Report on the Jam Garrason Desexta-mation / Serverath Press, Dew York, S.L. & Port, hardwoord, 1900 pp. 56-56
- Hepburn, James / Farewell America / Frontiers Putalisning Co., Vaduz (Lischtenstein) / Codi, Aard-Hound, 410 př. 56.95 Joesten, Joachim / <u>Oranid: Assassin nr Fall (19</u>7)
- Assassin or Fall Guy? / Karrant & Sunsell Publissers, Inc., ine 1914. N.Y. / 1964, hardbound, 176 pp. 53.95
- Joesten, Jnachim / How to not by was Killey: The Full Appalling Story / Peter usenay, Lundon, tayland /. 1960
- Joesten, Joachim / Marina Osnald / Peter Honnay London, England / 1907, hurdbound, 105 pp. 52.50 Jones, Penn, Jr. / <u>Porobae My Grief 1</u> / The Nadlo-
- thian Mirror, Inc., Midlathian, Texas / 1960. softbound, 168 pp. 52.92
- Jones, Penn, Jr. / Foreave My Graef El / The Midlothian Mirror, Inc., Vidiothian, Texas / 1967. softbound, 192 pp. \$3.60 Jones, Penn, Jr. / <u>Forgive By Grief III</u> / The Nid-
- lethian Mirror, Inc., Mialothian, Texas / 1969. softbound, 86 pp. \$ ?
- Kelly, Fred C. / The bright Brothers / Gallantine Books, New York, A.Y. / 1950, softbound, 214 pp. \$0.35
- Lane, Mark / <u>A Citizen's Dissent</u> / Fancett Publica-tions, Inc., Greenwich, Conn. / 1909, softbound, 330 pp. \$0.45
- Lane, Mark / <u>Bush to Judgment</u> / Holt, Rinehart and Winston, New York, N.Y. / 1960, hardbound, 478 pp. \$5.95
- Marcus, Raymond / The <u>Anstaid Hullat</u> / Rendell Pub-lications, 1249 High Point St., Los Angeles, Calif. / 1966
- Meagher, Sylvia / <u>Accessories After the Fact:</u> harren Commission, ine Authorsties, and the Proof / Bobbs-Merrill Co., Inc., New York, N.Y. / 1907, hardbound, 477 pp. 58.50 Meagher, Sylvia / Subject Index to the Marrin Re-
- port, and Hearings and Exhibits / Scareerus Press. New York, N.Y. / 1966 Thompson, Josiah / <u>Six Seconds in Dallas</u> / Lernard
- Geis Associates, New York, N.Y. / 1907, hard-bound, 323 pp. \$0.95 Sauvage, Leo / The Oswald Affair: An Examinatio
- An Examination of the Contradictions and Omissions of the warren Report / World Publishing Co., Cleveland, Ohio / 1966
- Weisberg, Harold / <u>Whitewash</u> <u>The Report on the</u> <u>Warren Report</u> / H. heisberg, Route H. Frederick. Nd. / 1965, softbound, 224 pp. \$4.95
- Weisberg, Harold / Photographic Whitewash Suppressed Kennedy Assassination Pictures / il. heisberg, Route 8, Frederick, Hd. / 1967, sofabound. 296 pp. \$4.95
- Wise, David / "Secret Evidence on the Kennedy Assassination", in the <u>Saturday Evening Post</u>, April 6, 1968, pp 70 to 73 / He said: "id feet, or approx-imately 25,000 pages of Warren Commission files "id feet, or approxremain closed.... A 185-page <u>List of Basic Source</u> <u>Materials</u> gives the titles of 1555 Commission Documents of which 390 are closed or partially closed. Of the 250 totally closed, 165 are FBI reports, 50 are CIA, 13 are State Department, 11 are Secret Service, and the rest are from a scat-tering of other agencies."

A longer bibliography is available from the National Committee to Investigate Assassinations, 927 15th St. ...... Washington, D.C.