Part 1. Introduction

VIho Assessinated President Kennedy?

On November 22, 1963, in Dallas, Texas, President John F. Kennedy, while rising in an open limousine through Dealey Plaze and waving to the surrounding 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 Dallers; that night he was charged with shooting President kennedy from the sixth floor easternmost window of the Texas School Bank Depository Building everlooking Dealey Plaza. This act Oswald denied steedily through two days of questioning (no record of questions and answers was ever preserved). Two days later while Usuald was being aransferred from one jail to another, he was shot by Jack Ruby, a Dallas night-club owner, in the basement of the Dallar police station, while millions of Americans watched on television. mission of investigation, appointed by President Lyndon B. Johnson, and headed by Chief Justice Earl Warren of the U. S. Sapreme Court, published its report in September 1954, 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 undeniable facts. In other words. Uswald was not the sole essassin, and there was a conspiracy.

This article will cevelop 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 con-clusive evidence that on November 22, 1963, he did no shooting at Fresizent Kennedy, and that, just as he claimed when he was in the Dailas jail, he was a "patsy." At least three gunmen (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. Cozsally, 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 undentable evidence for these statements about the shots consists of: (a) the physics of the motions of Kennedy and Connally shown in some 60 frames of the famous film by Abraham Zapruder: (b) the locations of the in-Juries in Kennedy and in Connally; and (c) more then 100 pictures, coasisting of more than 30 still photographs and more than 70 frames of movies.)

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

Note from the Publisher: In order to include the article by Richard E. Sprague in this issue of Com puters and Autoration, it was necessary to type the article in the type less of our "Across the Editor's Dook" section, rather than the usual typeface for our articles. We respect any reduction in legibility may have resuited.

counts for some strange events), elements of the Central Intelligence Spency, some nota-Castro Cunam exiles, some adventurers from New Orleans, and some other groups. After the assassination, so very highly placed persons in the United States government became accessories to the eries. other words, they participated in evolutions concealment of important facts, in shielding the perpetrators of the crime, and in spreading a thick layer of rewritten history (in the manner of Gourge Orwell's famous novel 'l'did") over the whole crime.

Of course, asserting these statements rikes them melther true nor believable. Without very strong evidence, it would be evil to make such statements. As to believability, prior to District Attency Jim Garrison's trial of Clay Shaw in New Cricans in Feb. and March. 1967, public opinion poils in the United States showed that over 75 percent of the people in the United States believed that there The press, radio, and ./ winnst was a conspiracy. everywhere in the United States reported birfuson's investigation and the New Orleans trial is a very distorted way. F. rthermore, Garrison did infiprove 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 Oscald. The news media of the United States (except for two 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 poil percentages.

But the United States' media have been proved wrong many times before, and they will be proven wrong again in this case. For example, the press of the United States almost entirely refused to believe for five years (1903 to 1908) that the wround brothers had flown in a flying machine heavier than air. Only after the Wright brothers had won spectacular air races and demonstrated other successivi flights in France, did the majority of the "hard-headed" American press believe that the Wright Drota-

ers 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 evidence, but also considerable new analysis of the old evidence, the evidence which the Commission atself published in the 26 volumes of Evidence and Hearings 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 se.

There are four prime sources of new evidence and

analyzis:

1. Researchers all over the United States, same 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 admissions and confessions.

COMPUTERS and AUTOMATION for May, 1970

AND SELECTION OF THE PARTY OF T



Document Number

for FOIA Review on

FEB 1978

CIA HISTORICAL REVIEW PROGRAM RELEASE IN FULL

3. Researchers have produced scientific, solidly-mased analyses of the old and new evidence and published these analyses in books and articles.

4. The office of District Attorney Jim Garrison in line Orleans has, under his direction. carried on (and continues to carry on) an extensive investigation of President Kennedy's assausination. Much of this evidence has been made available to the NCTIA.

This article concentrates on some of the photographic evidence and problems of computerized analysis. However, for the benefit of readers who 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 Sir Seconds in Dallas, by Professor Josiah Thompson, a professor of philosophy at Haverford College, Haverford, Pa., published in 1960 by Bernard Geis and Associates, New York, 323 Thompson made a thorough and competent analyysis of the happenings during the six seconds when President Rennedy 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. (After that, Life magazine locked the film up and denied any further access, until Garrison subpoensed the film for the New Orleans trial of Clay Snaw.) Thompson showed that at least three gunner shot at the President, and that one of the fatal shots came from the front and not the back.

Another impeccably scholarly book is Accessories after the Fact, by Sylvia Meagher, published in 1967 by Bohos 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 Inquest: the Warren Cormission and the Establishment of Truth, by Edward Jay Epstein, published by the Viking Press. New York, N.Y., 1966, 224 pp. Epstein makes a preg-nant 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 thousands 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 Belgium by Frontiers Publishing Co., Vaduz, Liechtenstein, 1960, 416 pp. (One cannot be sued in Liech-tenstein.) 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. (However, "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 wil millionaire, some other oil men, some Texas and

partment, and many menters 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.

Appendix 1 of this book lists many "classified" documents in the National Archives of the United States, such as no. 931, a secret CIA document en-titled "Oswald's access to information amount the (the spy plane). Appendix 2 lists were references, entitled "reports, ecrorands, and documents" such as "Dossier Richard M. Helms", "General Dynamics Dossier F 111" - but how to get access to these references is nowtere mentioned. Pages 308 to 324 contain a remore-sule account of twenty years. activity by the ClA. Nuch 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 quessed, 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. 68-57371, at the Li-brary of Congress it is not available. Connectial importation of the book has been blocked by the U.S. Customs and the U.S. Post Office. A movie with the same title has been made by the publishers of the book; the movie. "Farewell America", has been shown in saveral European cities, but no copies of the film are so far available in the United States.

A number of important reference books are included in the partial hibliography at the end of this article. Acong the more important authors are Harold weisterg. Paris Gammange, Mark Lane, Rose mary James. Joachim 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 testimony given in New Orleans, Feb. and March, 1969. when District Attorney Jim Garrison charged Clay Shaw with having a part in the conspiracy to assessinate President Kennedy.

The trial was accurately and very fully reported in The Times Picayune, Feb. 7, 1969 to March 2, 1969. the leading 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 gunmen in Dealey Plaza firing at President Kennedy on November 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 Mismi 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 Mismi police and the interview was taped. The infermer drew Milteer out on

the subject of assassinations. Milter said that Jack Kennely was going to be assassinated either in Hiani or in some other city by individuals who were connected with right wing groups including the Min-wie 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 said a can using the name Brown was the most likely one to do it. He added that Brown had been following Martin Luther King sround the country for several months trying to assessinate him ton.

The Minmi police turned the information over to the FIII, who informed the Hinni police that they

had turned it over to the Secret Service.

Kennedy was well protected in Miami and exposed himself as little as possible, apparently partly as a result of the Secret Service receiving the infor-

On the morning of November 22, 1963, Milteer telephoned the informer to say that Jack Rennedy was coming that day to Dallas, and would probably never be seen in Miami 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 posice in turn reported the information to the Mismi office of the FBI.

After the assassination, the Miami 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 Corrison 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 1907.) The Mismi tape was played for a group of newsmen in the Miami 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 Mismi police prior to the formation of the Warren Commission. Yet none of the a-bove information appears in the Warren Commission Report, in the 26 accompanying volumes, or in the Warren Commission archives which have been made

public.

Oswald's Message to the FBI

Among other evidence collected by Garrison (and confirmed by Mark Lane) 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 message was sent that day to J. Edgar Moorer 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 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 mamed

Jim Hicks. He thoused up voluntarily in Carrison's office. Garrison and one of the researchers, Jones Harris, suddenly realized that they had seen his as one of the persons in Dealey picture before. Plaza near the time of the fatal shooting (See Fig. (11), Hicks admitted 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 know what was going on. Jim Hicks had set up a communications center at the Adolphus lietel prior to the assassination. photograph Harris had seen is a picture of Jin flicks in bealey Flaza just efter the shots, with his radio in his left rear trouser pocket and antea-ne hanging down outside. (See the foreground of Figure 11.)

Since the time of his admissions, Jim Hicks has been locked up in an Air Force Hospital for the

insane located in Octahoma.

Strange Events

In the Warren Commission's activities, there are many strange events, extraordinary patterns of behavior, and important unanswered questions to which the Karren Comsission 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:

1. 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.

- 2. 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 carks; 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 Harshall, their lawyer, assisted in locking them up.
- 4. The Warren Commission accepted the sudden appearance of a pristine bullet (Commission Exhibit 399) fitting Oswald's gun, on the wrong stretcher in Parkland Ho 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 Commission 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 Marren Commission made their report:

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



View of Dealey Plaza shortly after the assassination, showing Jim Hicks, the radio communicator among the firing teams, in the foreground, with radio is pocket, and "S"-shaped astenna hanging down. (Table 3, No. 87)

the United States for 75 years as "confidential, secret, and top secret," over 100 important relevant reports and remorands. The list of the titles of these extraordinary documents was obtained and published in the Saturday Evening Post on April 6, 1969.

2. Chief Justice Earl Narren has steadily refused to consider any new evidence. As recently as 1969 he told newsren. "I know of no new evidence, and heve seen no new evidence." It is a fact that such new evidence exists in large quantities. This strange attitude may be coupled with Narren'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 a-way old evidence, and refuses to look at new evidence, is not the kind of action of honest scientists and honest men.

Basically, the Warren Commission picked up the Dallas police hypothesis, that Lee Harvey Oswald was the sole assassin and there was no coaspiracy. 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 ine opposite—in other words, falsifying evidence. Their candidate for essassination vehemently denied (for two days before being killed by Jack Ruby) participating in or knowing about the assassination of President Kennedy. He also postively stated that he had been made a patsy, a fall guy. He also said that the photograph of him holding a rific was a fake, saying. "That's my head 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 in covering up and concealing the conspiracy and there-by became accessories after the fact. The evidence referred to is available under appropriate circumstances 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 rumber 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 over 25,000.

The Marren Cormission examined 26 photographs, about 5 percent of the 510. The FBI examined about 50 photographs, or about 10 percent. The most famous of all the photographs is the Zapruder film, which had over 450 frames.

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 processionals were actually in the Kennedy motorcade, no further than 6 car lengths behind the Kennedy car. Five of these photographers were television network careramon. The Warren Commission looked at none of their photographs.

Two of the photographers were from the waite flouse. One of these men (Thomas Atkins) was the regular photographer for the white flouse. 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 may. This film is now stored with the Kennedy Remorial Library materials in a warehouse in washington, D.C.: it is stated to be "unavailable" to researchers. The Commission did not see this film, nor did they interview Atkins.

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

Ourieg 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 them. Some of the remaining 100 have either not been found or have been locked up or destroyed 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 stows 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 case.

have existed — with possibly a few borderline cases. Nost of the "official" photographs of the Warren Commission, or of the FBL. 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 rifle 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

٤.

shots, and shows the window empty except for the box. Oswald and his rifle are not in this window - which would be complete proof that he was not there. Norman Similas, and also an editor of Literty magazine in Canada, saw this photo, however, and both state that the window was empty.

Even without the availability of the Siniles photo, the other two pictures destroy the warren Conmission'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 bullet casings "found" on the floor near that window; the three boxes arranged in the window to look like a gun-rest; and the bullet (Cormission Exhibit 399) which supposedly passed through both Kennedy and Connally. All this evidence can be demonstrated to be loked.

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

The original setting up of the bullet casings was too obviously faked. Sheriff Roger Creig arrived on the scene first and saw the three casings, side by side, neatly pointing in the same direc-tion, just inches apart. By the time the "official" folice ; hotographer, Er. Studebaker (who in reality was an amateur photographer 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, Hallas Morning News photographer, took photos of the boxes at 4 pm while they were still in their original posttion. 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 woxes 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: No one fired any shots on November 22, 1963 between noon and one pm from the sixth floor easternmost window of the TSUD.

The Zapruder Movie

Of all the photographs taken in Dealey Plaza on that fateful day, the color novie 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 limousine 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 Warren 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 Life. But a direct copy of the original was subjormand and shown NINE times by Assistant District Attorney Alvin Oser in New Orleans in February 1969, 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 a conspiracy to kill President Kennedy.

When one area 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:

1. 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 blee out his brains. The remaining shot missed and struck a curbstone on Main St.

2. The last of the five shots (coming from the grassy knoll area), and one of the two fatal shots, struck Kennedy from the front and to the right, hurling his head to the left and beckwards with great force, in eccordance with the laws of physics. (For a scientific analysis, see Six Seconds in Dallas.)

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 Sz.

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. Kany 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 fatel shot.

Life magazine would be able to eara millions of dollars from showing the Zopruder 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 whiplesh motion, caused by Konnedy's seck brace, or a reverse explosion as the builet from the rear exited Kennedy's head in front. Josiah Thompson's analysis in Six Seconds in Dallan, proves beyond a

velocity builet striking kennedy's head from the front could preduce the head acceleration backward shown in Zaprader frames 313 through 315, and measurable therefron.

Enre 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 (see Chart 2) their many other significant and injurtant activities. Coupled with the testimony of photographers and other witnesses, the photos prove the Earren Commission wrong on several other points. To describe all of these points in detail requires rord space than is here available. But the following list summarizes these activities and conclusions (see also Chart 1 for timing and direction of shots).

e. The first shot, fired by man #1 from behind the fence on the grassy knoll, hit Kennedy in the throat at 2109 (2 numbers in the text and on the Map refer to from #5 of the Zapruder Film. The fromes were 1/10 second apart. The Zapruders on the map show the location of Kennedy in each Zapruder frome).

b. The second shot, fired by man #6 from the second floor window of the Dal Tex Building, struck Kennedy in the back at Z226.

c. The third shot, fired by man 40 from the T was School Book Depository (TSBU) hit Connally in the back at Z230.

d. The fourth shot fired by man #6 from the "Pal Tex Building struck the curb on the south side of fain St. at about 2205.

*** The fifth shot fired by man #3 from the TSBU hit Kennedy in the head at Z312*.

*** The sixth shot fired by man #5 from the grassy knoll hit Kennedy in the head at Z313.

g. Man "2 "created" a puff of smoke as an apparent 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 — Zapruder, Willis (Table
3, No. 05), and Betzner (Table 3, No. 101)
— to be Z109, was such that the view of
Kennedy from the sixth floor easternmost
window of the TSUO, was completely obscured by a large oak tree. (Bil on Chart

1)
1. A man who looked very like Oswald ran down the grassy knoll ten minutes after the shots were fired and drove away down Elm St. with a Latin-appearing ran in a light-colored station wagon with a luggor rack. To someone not familiar with all of the millions of details of the Kennedy assassination, this seems unrelated. However, other evidence indicates the man may have been an anti-Castro adventuror impersonating Oswald, and that the Latin may have been another of the anti-Castro Cubans.

Mon Who Ran Away

Hany photographs were taken within an hour after the shots, which show that certain men on the grassy knoll ran away after the firing, and these photographs show how they ran away.

photographs show now they can usey.

For example, several photographs (Table 3, Nos.,
3, 19, and 52) show a certain man, who has been

ly the man who firm the fatal shot, shot in. 6. Ilis position has been shown on the map in arm BG. The photos show that he escaped by means of a white car, which had been previously parked just a few feet from his 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 adequately 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 ewsy after the shots.

The "Tramps" and the "Fhoney Policemen"

Approximately a half hour after the shots were fired, Sergennt D. V. Harkness of the Ballas Policewas instructed by inspector Sowyer of the Hallas Police (in command of Bealey Plaza police activitics after the assassination) to go back to the railroad tracks (see Map and Fly. 1) and stop a freight train which was being moved out and mearch It. (The approximate time is established by the angles of the sholows in the photographs, by the testimony of Sergeant Harkness to the Warren Commission, Vol. 6, p. 312, and by the timing of Km. Allen's sequence of photos.) The area where the freight cars were located is to the north and west of the TSIII. and north of the grassy knoll area.
Sergeant Harkness says he arrested some "tramps" "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 "tramps" into the Sheriff's office. (See map and Fig. 1.)

The route that linkness 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" eastware from the direction of the railroad yards along the Elm Street extension in front of the TSBD. They turn south in front of the TSBD (Fig. 4) and proceed down llouston St. to the Sheriff's office. The vehicle entrance to the office is located at the center of the block on the east side of llouston St. between Elm St. and Hain St. The entrance is directly in front of the five wen as they proceed toward it in Fig. 5.

kby is this significant? First, there is no re-

why is this significant? First, there is no record 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 ear is either a radio communications device or a hearing aid.

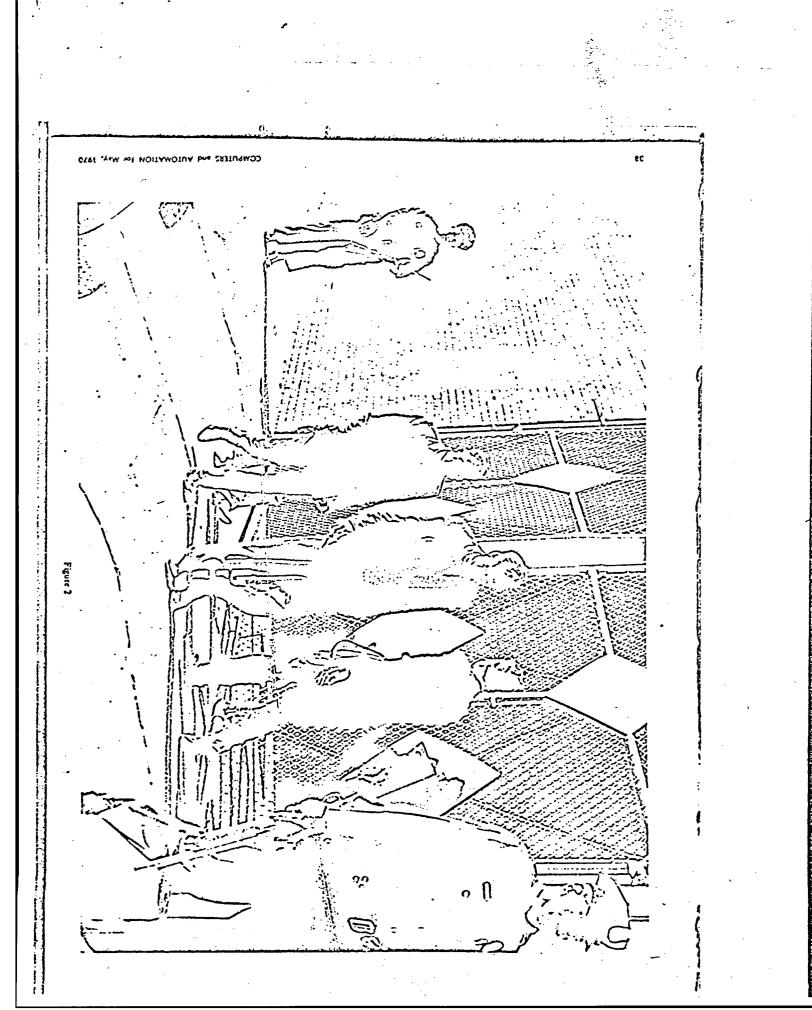
tions device or a hearing aid.

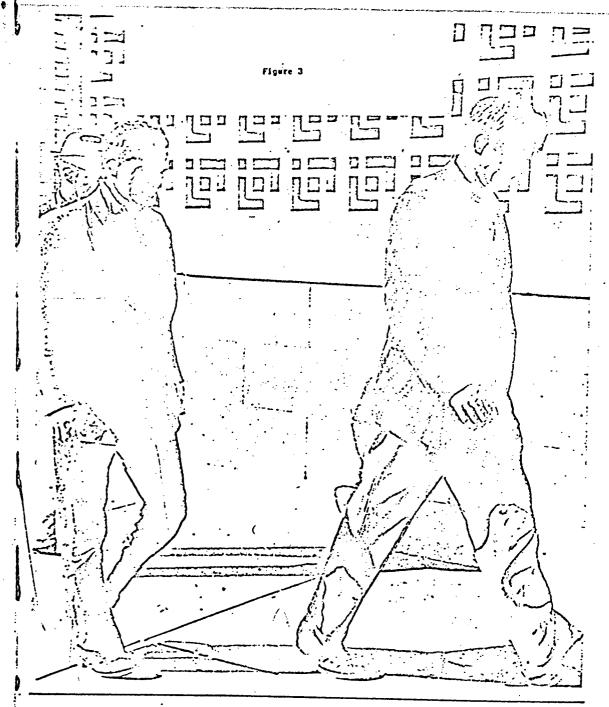
Sergeant Horkness and Sheriff Elkins both indicate there was no other policenan with Harkness when he arrested the "tramps" and when he turned then over to Elkins.

Other information indicates that one or more of these "tramps" were members of right wing groups and were actually included among the unners 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.

(Taxt continued on page 53)

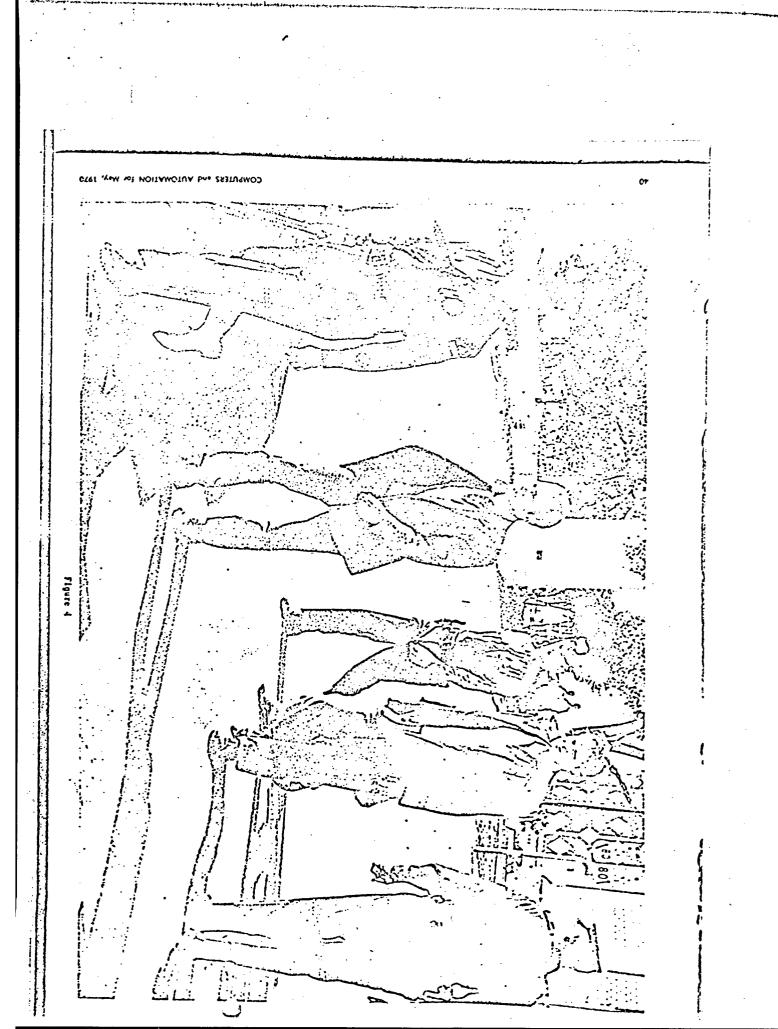
Path taken by Harkness with "Tramps" Vehicle entrance to Sheriff's Office Helicopter view of Dealey Plaza and its buildings, with the path of the arrested "Tramps" marked. Numbers on the photograph indicate where photographs in Figures 2, 3, 4 and 5 were taken. COMPUTERS and AUTOMATION for May, 1970

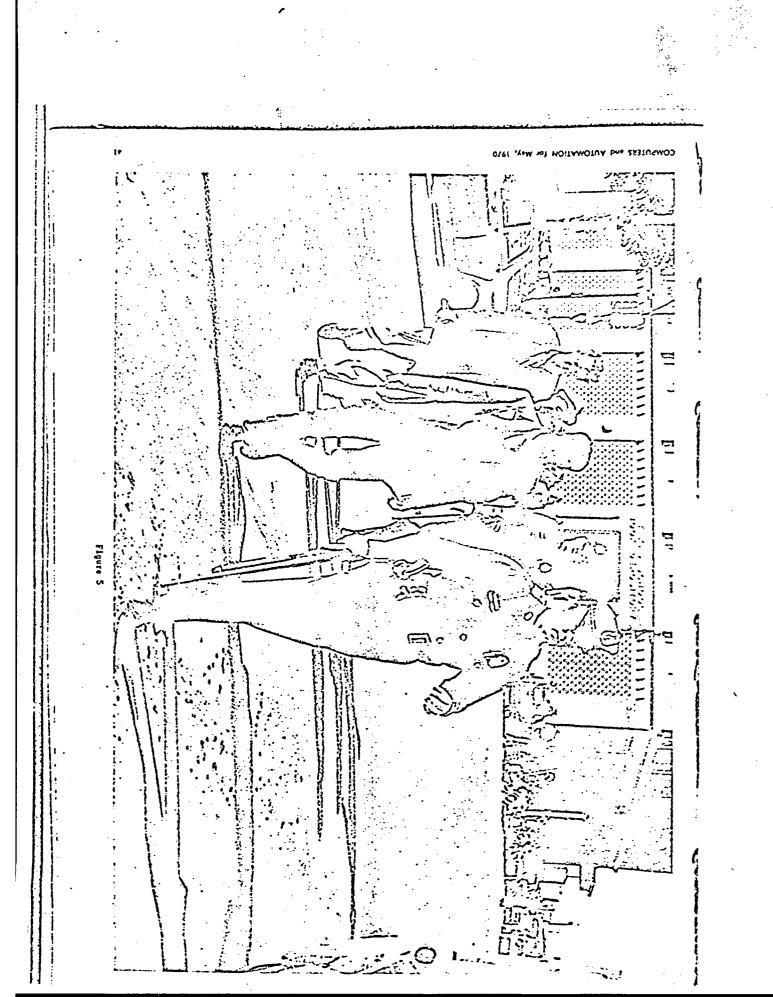


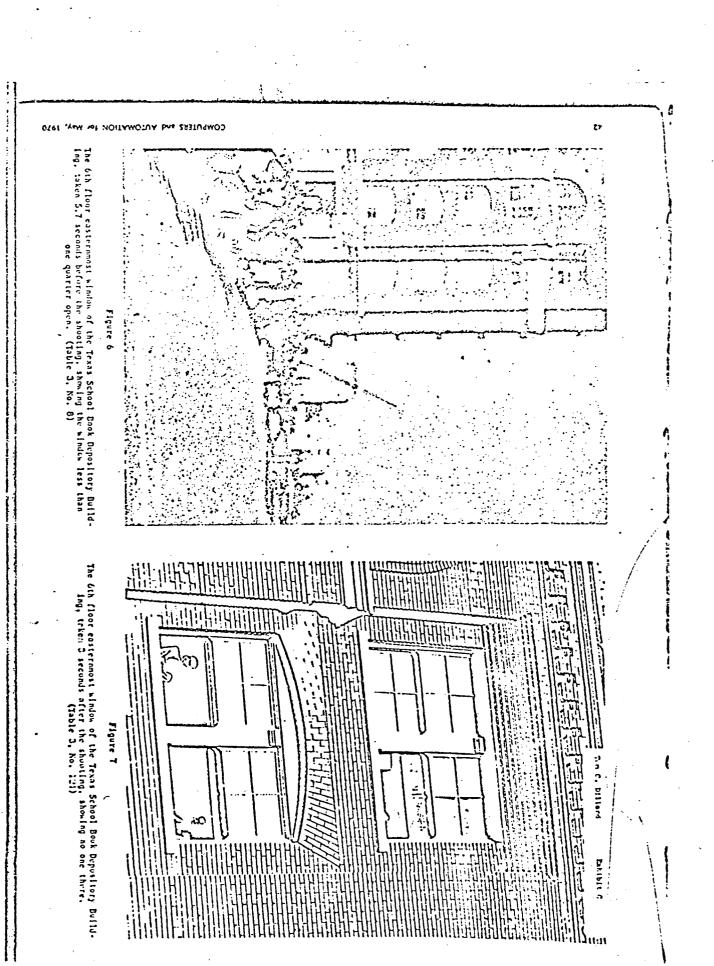


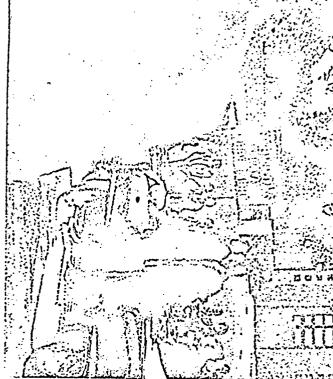
Figures 2, 3, 4 and 5

These four pictures of the "Tramps" and various policemen were taken by George Smith and Milliam Allen (see Table 3, Nos. 195, 197, 251 and 252). Sergeant Harkness appears in Figures 2, 4 and 5 (at the left in Figures 2 and 4, and in the front in Figure 5). The "Phoney" Policeman also appears in these same three figures (at the right in Figure 2, and at the rear in Figures 4 and 5). There is no record of this man being a member of the Dallas Police Force. He is the only Dallas policeman of those appearing in the hundreds of photographs taken Nov. 22 who is wearing an encylece or radio communication device in his right car (see Figure 2). Why? He is the only one who is mearing rubbers. Why? His pistol handle appears to be different from Harkness' pistol. Why? It would be interesting to discover this man's identity, and ask him some questions.









33

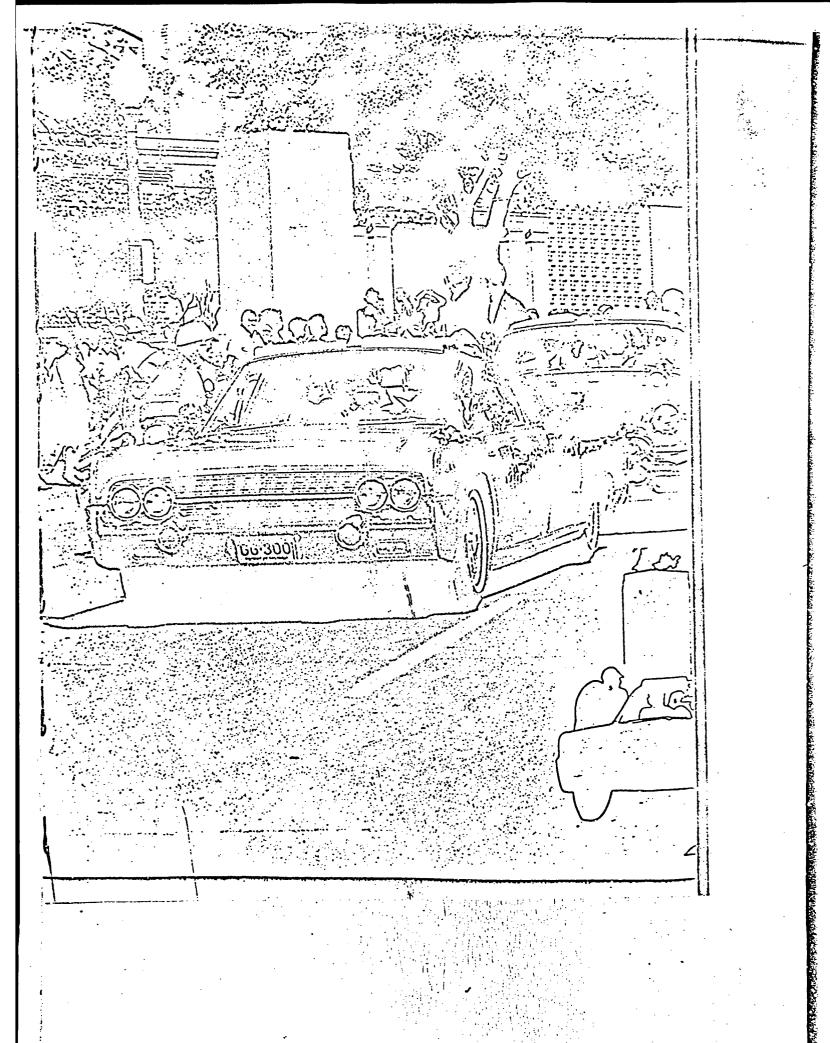
John F. Kennedy on Elm St. about the time of the first shot. Z 186 (Table 3, No. 101). The umbrella belonging to the "Umbrella Man" can be seen at the lower left of the Stemmons Freeway sign. Man #2 can be seen behind the wall to the left of that sign.

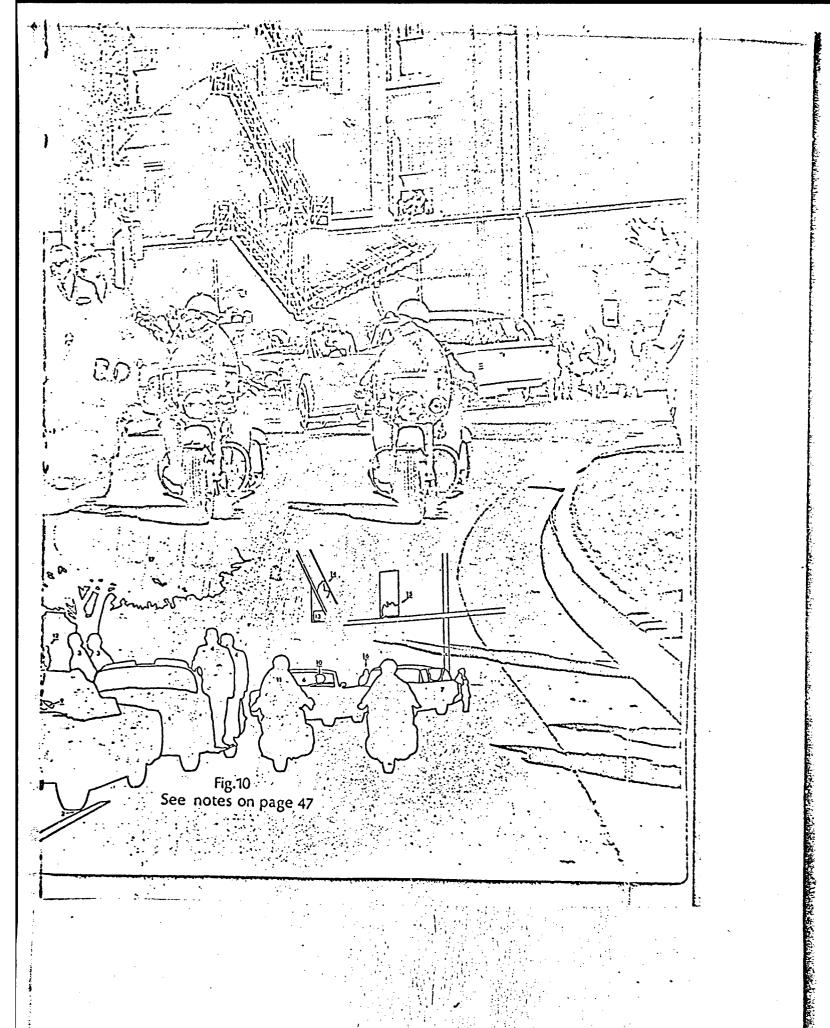
Figure 8



Figure 9

John F. Kennedy after the first three shots and before the fatal shot, Z 202 (Table 3, No. 85). The "Umbrella Man" can be seen at the lower left of the Stemmons Freeway sign, and Man 22 can again be seen at the left of that sign.





INCELAND CODE TO LOCATION OF TERSONS AND SIGNIFICANT COLLECTS IN THE SPATIAL CHART OF DEALEY PLAZA

(See Chart 1, pages 46 and 47)

1. Areas 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 betten (1 is omitted) and a number 1 to 15 from left to right. Locations on the chart are specified by these letter and number labels, indicated on the berders of the map.

2. Period haves. The name of a person in the following index refers to the location of such persons, either in one piace if he stayed there for the whole time, or in more than one piace if he moved from one location to another. A placel person came refers to two or more persons with the same lost mane.

3. humbers. A number following the name of a person refers to the film for rell) number of a still photograph, or the frame number of a armit sequence taken by such person. Numbers preceded by 2 refer to frame numbers of the color movie film token by Abraham Zaprader standing in ores D 7.

4. Motorcode. The leading parties of the matercade including President J. F. Kennedy is shown diagrammetically 7 to 8 seconds before

the first shat. The motorcode is arranged in argument along division St. and Main St. All their ears, of course, were moving and therefore accepted different positions at later times. The analy successive locations shown for later positions of the motorcode are the lacations of Pereident Resemby's head in the lead car. These head locations are marked by a sequence of dots along the St. These locations were carefully determined by the Bril; they are Identified by the frame numbers of the color movie fills taken by Abtenia Zapruder; these locations were used by the harra Commission in their investigation. Successive frames were 1/10 second apart.

5. Note. The information shown is the diagram of the motorcace (C-J 14, J 15) is not sepented in this index.

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

Nuch of the geographic information (such as locations of trees, white traffic lines, yalle, marks on turbs, etc.) is polyrepeated in this laden.

Person or Gilect	Location	Person or Chieca	Location	Person or Object	Location
Altgers 2, 3	1 13	Lenredy textwo the	D 10-11	hranen(a)	1. 6
Altiens 6 (at Z 255)	F 6	ook tree. from Z 161		Air 1, 2s	K 12
Aligens 7 (st Z 346)	G B	. i o Z 107		hts. 20	3 10
•		Keneray at:		Otwald's alleged window	A 13
"Batestee Lady" (who took	. L 6	Z 133	C 11 .	•	
an cattre novie of the		Z 161	0 11	parking area and railroad	B-E 4-3
estorcade from the ap-		Z 167 (throat shel)	D 10	yard	
posite side from Zaproder))	Z 226 (Leck shet)	•	puff of smoke (shown in 9	E 7
tell 1. 2	H 11	Z 234	ε 9	photos)	
Bell 3	H 11	Z 255	•	reilroad yard and parking	8-E 4-5
Betzeer 1	E 13	Z 20S	• .	6Te6	
Betzmer Z	C 13	Z 312 (keed shot)	<i>F</i> 6		
Betiner 3	C 12	Z 313 (2nd Bood sket)	•	scale in feat	E 8-9
Gord, 1 to 3	C 13	Z 346	•	shots, sources of:	
Bond. 4 to 9	G 11	Z 400	6 6	141	E S
Breha(s)	F 9	Z 433	ЙŠ	2ad	à 15
Becaran	D 13	Z 465	# 3	3rd	A 11
bullet mark(a) on curb	3 3, H 6	Z 485	äi.	4th	Äis
******		kaoli, grassy .	621664	Sth	A 11
Connected St.	K 1-6			614	9 6
compass directions	J 8	Main St.	3 1-15	V.4	• •
Connelly, Cov. J. B.,	ĔŠ	Man # : these were	V 1-10	Styreau	p 7
back shot (at Z 238)	- '	oca whose asoca have		sacke, pull of (shown in	·. į į
5111 1111 (51 2 50)		set been determined		9 photos)	
Dalles County Criminel	F-H 15	Man #1, source of lat	0 5	Stemont Freeway sign	1 D B
Courts Bldg.	1-11 10	shet at Z 169		Stempus treesed side	
Dalles County Records Blag.	C-E 15	Man #2	E 7		
Colles County Sheriff's	H 15	Mag #3	Ėį	Togue (who was hit in the	. K 3
Office	H 19	Na a - 64	į į	face by a fragment of	
Dal-Tex Bldg.	A 15	Min 25, source of 6th shot	. 5 6	e shot)	
Dillerd I	Ĉ iš	at Z 313	0.4	Texes School Book Depost-	A 10-13
Derman, Krs.	λii	. Man #6, eff map in Del-Tex		tory Bldg. et 411 Elm	
	~		see A 15	\$t. (TSBO)	
Ela St.	# 1 to B 15	Bidg, sowrce of 2nd shot ot Z 226 and 4th shot		TSBO, 6th floor easternmost	A 13
Elm St. extension	A-8 6-12	41 Z 285	•	window, from which Werren	
		Man #7		Commission alleged Lee	
former Delles Cruzty; off a		Man "8, source of 3rd shet	. 0.0	Osnald fired 3 shots	
garage bldg. mext to	• 4010	at Z 238 and 5th shet at	- A 11	Towner. J. 1	C 13
TS80	A 8-10	Z 312	•	Towner, T. 1	C 13
gressy taoil .	6 4 to C 10	Z 312 Kon with Umbrella		Towner, T. 2	D 12
Acasal rests .	4 4 14 C 10		0 6		
Hester(s)	C 7	Martin O Martin 1	н 13	"Umbrella" Kan	D 8
Mill. Jean			. 613	Willie S. 6	0 11
Holiand	H 2	Kartin 2	C 12	Zapruder (location of	0 7
Houston St.	A-K 13-14	saterial picked up by	K 6	Abrohom Zapruder during	
Hudson and two friends		Walthers and others		the entire color movie	
	F 6	Moornen T		· which be look)	
	K 14	Nuchatre 1	6 13		
Hughes 3	K 12	Buchmore 2	7 11 .		

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 Altgens (Table 3. No. 57). This photograph was used by the warren Commission as Varborough Exhibit A. loi. XX; pages 701-702. However, the Warren Commission stoff did not point out very much of the pertirect information contained in the photograph.

President Kennedy (F1) appears in the licousine 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 position 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 theto was snapped at exactly the same instant as Zapruder's frame 250.

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

To 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 smiller 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 folicate 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 in front, Clint Hill, was later to run up to the limousire 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 snot, 3 seconds later, zoomed from the grassy knoll right over Jackson's helmet and struck JFK on the right side of his forehead. Jackson was never interfered by anyone and seems to have completely disappeared from the Dallas police force shortly after the assassination.

Lymbon Johnson's secret service men, on the other hand, reacted very fast. Refus 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 Youngblood did indeed do just what he said, in 3.6 seconds. Agent Eivett in Johnson's follow-up car can also be seen reacting quickly (%7) as he opens the left rear door, preparing to jump gut

the left rear door, preparing to jump out.
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 (45), and slumping toward the sill of the linousine. Krs. Keanedy had, by this time, turned to see her husband in pain, and grasped his elbew with her

white gloved hand (69). Secret Service Agent Kellerman didn't react until well after this photo.

Tals is not too surprising since Mrs. Lyndon B. Jetason (Lady Bird) (#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 Young-biecd on top of him.

Policeson Hargis (#11) just to the left and rear of the Presidential linousine doesn't seem to know asytteing is wrong, although he could be looking at 27k. Later he was hit in the face with blood and grey matter from the latel shot which came from the right from and drove the fleshy debric of kentedy's head back and to the left toward Hargis.

The only reason the Aligens photo appears as a Commission Exhibit is that some sharp-eyed critic acticed a man who looked just like Lee Harvey Oswald standing in the duorway of the Texos School Book Depository Building in the background of the photo (FI2). The Commission was therefore forced to consider this point and they contended that the man was Filly Lovelady, who was an associate of Oswald's at the building.

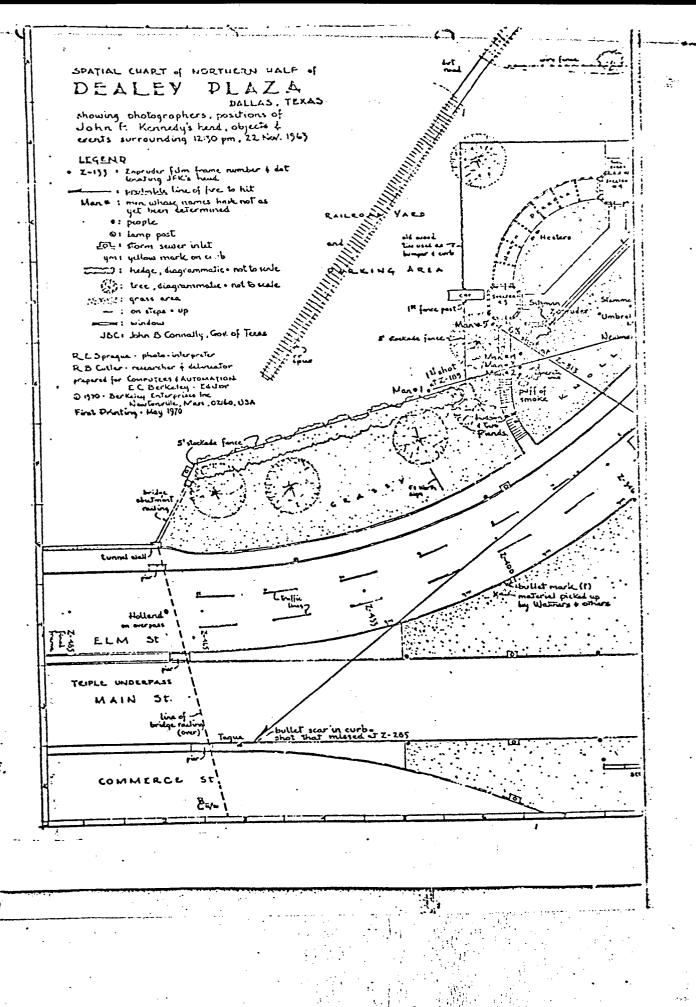
Four years later. I was able to prove that the harren Commission was right, by using several other perfographs in combination. Until then, the controversy still raged among Commission defenders and researchers.

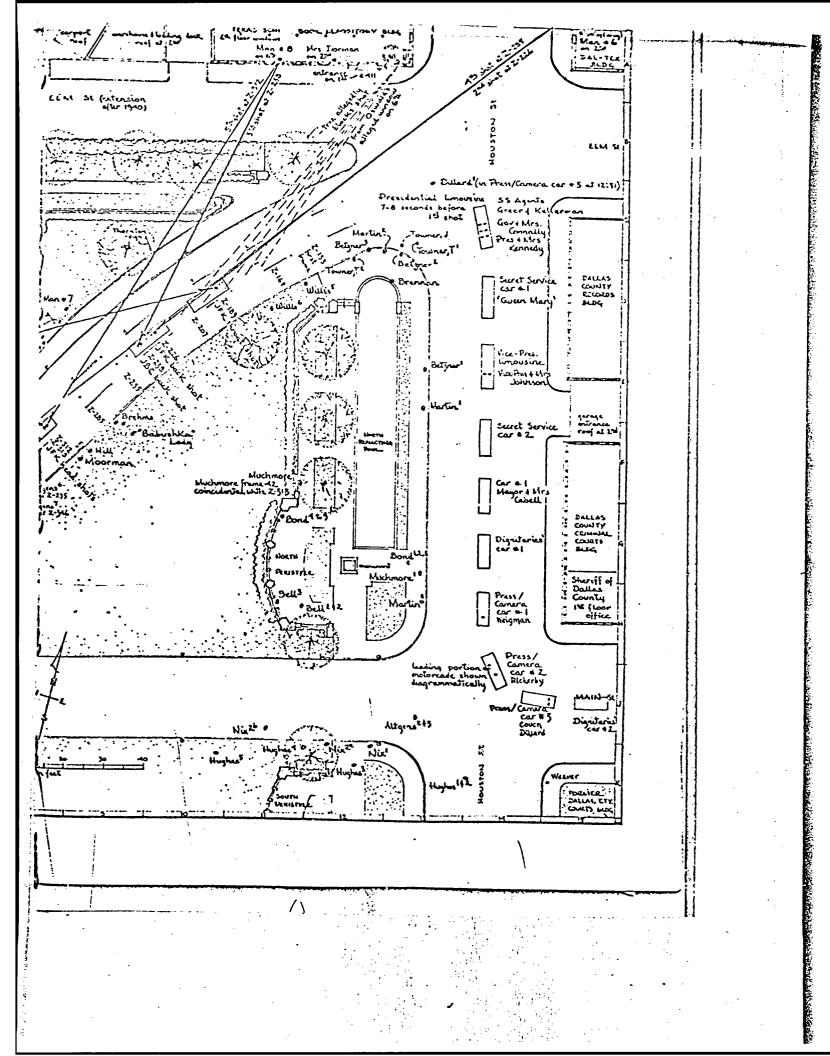
One of the most significant parts of the Altgens photo is the part showing the Dal Tex building in the background and an open, darkened window on the second floor (#13). Harold Weisberg, one of the researchers, first called attention to this window and the possibility that one or more shots might have 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 liughes film sequence, he was sitting in a normal position. This was has not been found to be interviewed. The group of three people (#15) in the window to the south of him have not realized anything remarkable has happeared and are waving and clapping and looking at the President. The probable explanation of the man'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 man who closely resembles one of the Cubans known to be involved in the New Crieans part of the conspiracy appears in the same siciaity (#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 above 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 Commissica Raport admits the oak tree blocked the view from Z 161 to Z 207 (see Chart 1 and Chart 2).





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 took 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 umbrella".

When we first see the "man with the umbrella", he is holding it closed. This is when the Kennedy car icunds the corner from Houston St. into Elm St. bext he is holding it open and low over his head; the time is shortly before the first shot (see Fig. Note that the weather is sunny, "slight breezes and gusts"; it is a sunny November day in Dallas; The time is noon; the temperature is 63° Fahrenheat, and there is no ordinary reason at all for holding an open black unbrella over one's head. The rain 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 un 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 Zapruder film. A few seconds after the last shot, we see him holding the umbrella folded (Table 3, No. 259). 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:

Visual coordination as well as radio coordination of the firing teams was necessary, because of the separation of the team members 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.

 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 man" in the photographs, did not find him, did not 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 him 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 innoceat, to come forward and identify himself. That, so far, has not happened.

SOME EMPORTANT PINTOGRAPHS ACQUITED BY THE

	IIM.	heresterher Pheterrecher	Rell and Sequence My	Subject	<u>Ii~</u>
51	76	Hery Woormes	1	TSNO circh floor window, before Kennedy rounded the corner	10 to 15 sec.
93	ra	#1111s	13	For arrested out- gice of the Dai- Tex Beilding	within 20 min. after the shots
378	72	Feloy		ISIO sinth floor miscow, with two mee in the win- dow, reither of them Cowald	sbout 10 sa, for, 22, 1963
376	K8	Entrikke Lody		Marie of JFK pro- cession (free the ather side of the street free Zaproder)	about 10 to 17 sec. be- fore until 7 to 10 sec. efterwords
378	PB	Jones Perell, Army Intelli- gence, Delles		TS BO	about the time of the shelf
494	PB	Similie	1	TSID, chowing the sixth floor win- dox empty except for box	briween first end lest shets
495	PB	Similia	2	Kennedy further down on Elm St.	about 22 ses. ofter the abote

of a still photography H = morie; B = black and white

The "Babushka Lady's" Movie _

As mentioned above, the pictures show other persons also taking pictures. One of these other persons 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 Uallas. After her movie was developed, Mrs. Beck talked about it to the <u>Petroit Free Press</u>. Then the Detroit FBI attempted to find her. The information at present stops there. However, from observing similar actions of the FBI, one would suspect that they found her, obtained her movie, and either destroyed it or filed it away unavailable 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:

- 1. About ten men are shown being arrested.
- 2. At least two other rifles are shown being
- At least two other rifles are shown being found before Gewald's rifle was found.
 "Oswald" is shown in two fake photographs with him holding a rifle. Nice Oswald was shown the photos he said. "That's my head but somebody clae's body." That Oswald was right in this case has been clearly demonstrated by Fred Newcomp. a Los Angellar researcher. les researcher.
- Oswald did not shoot Officer J. D. Tippit
 of the Dallas police force; two other ma
 did. Oswald was not near the shonting site at the time.
- 5. Oswald's supposed discovery and arrest in the Texas Theatre, the covie theater where he went, was staged and prestranged.

 Continuing analysis and continued searching for more photos will no doubt produce new conclusions and findings for some time to come.

(Text continued on page EE)

Chart 2

SCHEMATIC TIMENS CHART OF PHOTOGRAPHS, MOVIES, AND EVENTS IN DOLLEY FLAZA AROUND 12:30 PM NOVEMBER 22, 1963

Zapruder Frane humbers Shown on Spillal Chart:				
Motorcade Location: Defore Houston St.	JFK on Houston St.	JEK CO EIN SL.		Other Cars Past Overpass
Tirr Scale: Kineles	Seconds	Secunds .	Seconds	Minutes
Shnis: Ita behind "the" oah tree as seen from "the Coupld" window		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Window empty (Hughes 654 Dillard 1):		29 MC. 3 MC.		
Photographers and Their Photographia Zepruder Nix	Nix 1	Nix 2A 2% 425	між 28	
Muchmore	Nuchmore 1 Kd 1. AM 192	Nuchnore 2 280 322		flughes 4
Hughes		es 1 Hughes 2 2 d 654	- Keghes 3	
, Martin <u>Kor</u> M i	11# 0_ N 84	Martin 3 N 85 N 138	ıin 2	Mertin 3
Bell *	· _	Bell 1		8011 2
Altgens	Altgens 1-5	Altgens 1-6 Altgens	1-7	
Moormen .	Moores	1 Moorman 2		;
Willis	A1171 2	willis 4 Willis 5	Willis 6 Willis 7	
Weigman	l _	Weignes (Nit		
Rickerby			Rickerby 1 6 2	
Corch	·		Couch 1 2 3 4 5 6 7	Boad
`Boad	Bond 1: 1 2 3		• •	
Dormen		Dormen	•	i
Dillerd		Dillerd 1		
Weaver		Meever	•	l

COMPUTERS and AUTOMATION for May, 1970

51

Table 3

HAIR LIST OF OVER 500 PHOTOGRAPHS AND OVER 75 PHOTOGRAPHERS

Photo	-1 ^r	malographer hama G ho.	جو. هو.	Photo Shows		fhet No. T	, . ,	Photographer Rama G Ma.	Seq.	Photo Shows .
1 H	. ,	Aproder.1		JFK on fin-Houston St. to Overpees JFK on Houston St. before shots		68	CR	Altyese	2-20	TSING from sam position 5:19 fd TSING from crater of place 5:07 fd Clock
3 ×		•	24	JEK on the St. just before, during G	after	70	ra	•	3-0	shows TSius from center of place
4 🗷	:	•	23	Greesy knost and card on Elm Just af	ter	71				TSING from center of place TSING from center of place
5 ×		uchmore.3	1	Head shot FK on Houston St.		72 73	rn	•	3-11	This fees center of place
6 8			ż	JEK on film just before, during G effi-	• Γ	74 75		•	3-12	This from center of place Triple overpass from some position 66
7 14		leghes.4	0	head shot 27K on Houston from Kain St. 2/3 of .	sey to					Altgens 1-4
		•		tim If an Houston G Eim & TSDD 6th floo		76 77			4-11	Triple overpass from same resistion Triple overpass from same position
, 8 ×	Ξ.	•	,	dor capty		78		-	4-16	TSNB 5:16 PH from sime position as
9 🗷	C	•	2	Cenera cars on dicuston St Nes on the Tex fire escape, stiting	0.1	79	FB	•	4-17	Altigens 1-6 Clock stows TSIN 5:16 PM from some position as
10 1	c	•	3	Crassy knoll after shots		•		_		Altgens 1-6 Cleck stors TSMD 5:16 Fd from some position of
11 4		:	4	Crassy bnoll after shots County Courts Bidg., Dai Tex G Main	c	60	ru	_	4-10	Altgens 1-6 Clock store
	L			Houseon	•		rc	¥11110.11	1 2	JEK on Main St. JEK on Houston St.
13 m	•	-	6	Parking int Plaza looking south from ercode		62 63			í	Jik on Houston St.
15 4	-		Ó	Parking Lot		64	rc	:	4 5	Jik in front of 1540 Jik after first snot
16 H	-	•	٠ ١٦	TSAN Ridg top		85 84			ĩ	Ein St. & grassy knoll ofter snots
. 10 k	ė i	Kertin, S		TSDD Hoomey & Dal Tex JFK on Houston St. (from DCA File)		87		•	7 6	Elm St. G grassy habit efter shots TS(0) Doorwey
10 4			1	JVK in front of TSNO Bldg. Grassy knoll G Elm St. after shots		66	PC	•	9	Houston St. looking N. from Elm. TSDD G
21 4	Ċ	•		Grassy knott G Elm St. after shots		90	PC	-	10	0-1 Tex TSW front - Doorway & S costera windows
23 H		:	3	Farking Lot Cop on Motorcycle with angro						- Arrest and possible rifle
24 8	C	:		B. Lovelady in front of TSNO			23	:	11	Houston St. looking morth from Eim St. TSND (mil of it) from Newston C Main
25 s		:	6	C. Brehm interviewed on Elm St. View horth on Houston from Elm		93	FC	•	13	Man arrested outside Cal Tex Bidg.
27 *	C	-	6	View North on Houston & TSNO doorway	7		23		14 15	White station wagon on Elm about 12:45 Scenes around TSiw
	c	:	10	Del Tex Bidg - Cop with shetgus - Pe	lice	96	£C.	•	36.	Scenes around TSBG
			•	Cars L. Florer under arrest at Housten G			PC	:	17 10	Scenes around TSGD Scenes around TSGD
30 1	C ·	Mentesaas, 6	ĭ	Top of TSOD - 2 ceps on Teh floor fi	70 65-	79	£2	Betsmer.12	1	JFK on liouston
			,	cape Houston St. between TSRO and Del Ter	· -	101	60 84		3	JFK in front of TSTO JFK on Ein abes, time of first shot
32 4			•	Rifle being exemined	-	102	LB	Bothun.13	1	JFK mear Love Field
33 i	4C	Bell.7	1 2	JFK on Houston St. JFK in front of TSMD		103		•	3	JFK on Main approaching Houston Lead motorcycles approaching Houston
35 +	•	. •	ā	JFK approaching triple overpass on t	Ila St.	105	PB	•	4	JFK rounting corner Main 3 houston Arcade after shots
36 1	ec ec	•	5	Grassy knoll area just after shots Grassy knoll area after shots	_	107		AP Photog-	ĭ	Group of photos takes outside fackland
38 1	RC		6	Center of Plaza after shots Grassy knots area		108	PR	repher.14 AP Photog-	1	Hospital Copy of Moorman 2 - Clearer than published
39 I		-	á	Plaza from Alda, on south later in t	6=7			rapher.15		•••
41	×Č		7	Plaza from Bldg. on south later in a Motorcycles rounding Houston & Mais	107	104	₽8	- Phetogr rapher.16	1	Officers G newsness inside TS30 at 6th floor window
42 (8. bno8	2	JFK tounding Houston C Helm		110	FS	AP Photog-	1	Group of officials and Pickup truck on Stermons Freeway - TSED in background -
44 (•	3	JFK on flousten Grassy knot! G Elm St. after shets	_			rephes, 17		Taken from moring car - 1:04 ft. Nov. 22
46 1	PC PC	•	5	Gressy kholl G Elm St. ofter shets		111		-	2	Triple overpass from som car on west Closcup of overpass - 1:04 PM from car
47 :	×.	•	7	Grassy knott G Eim St. efter shots Grassy knott efter shots		112	78		_	approaching
49 (PC	•	6	Grassy knoll after shots		113	LB	•	4	TSID, Dal Tex. County Records Bidg. from moving car on Main St. near everyons -
50 (51 (PC PB	H. Hourses.	•	Cinity and Court officer	C Hous-				•	1:04 (4
				A		114	68	•	5	TSDD. Dal Tex from cer em Reim St
52 i		Altgess,10	3 1-	Grassy knoll G JFK at time of bead 2 Lead Motorcycles in Motorcade on Ma	ia St.	115	78	•	.6	Grassy knoll & Triple overpass from car
54	PB	•	1-	3 JFK approaching Houston St. on Main 4 JFK turning corner at Houston G Wai		-116	78	•	7	on Main St. TSRD. Dal Tex from car on Moin - 1:04 PM
	PB P8	•	1-	5 JFK halfway down llouston toward Ele	1					- View of activity around corner of Elm
57	PB	•	1-	b JFK after first three shots G befor shot. Open window, fire escape, O	e leter			D. Miller.	18 1	JFK early in motorcode
· 58	P8	•	Į.	7 JFK approaching triple overpass. C.	HIII		••	•	2	JFK early in motorcode JFK on Steemons Freeway - Possible man
59	PB	•:		on cer 8 Arcade 6 knoll from South of Elm af shots	ter	117	re	-	3	with rifle in background - Cernad sign shows JFK's-C. Hill's foot sticking
	PB	-		4 TSRD 5:06 PM November 22 5 TSRD 5:06 PM Clock shows		118	P8	Rickerby.1	9 1	out of car (Life) Arcade & West Capela after shots
	PB PB	•	. 2	6 TSND 5:06 PH Clock shows				•		(3 people)
မေ	64	-	9_1	3 TSND from same position as Altgens 4 TSND from same position		314	PB	•	2	Arcade G Photographers taking pictures (Com 2)
45	PB	•	2-	5 TSOO from same position 5:16 PM Cle	ick share	120	, ra	· 0111erd.20	1	TSIO 6th floor window from Com 3 (Delles
- 66 - 67	81 81	•	3-	9 TSBD from same position 5:19 PM C10 BO TSBD from same position 5:19 PG	ock share	121	.70	•	2	Norning N) TS80 6th floor window from Com 3
. •			_						-	

THE PROPERTY OF THE PROPERTY O

fhoto No. T	,,	Photographer .home G he.	Srq.	Photo Shows	fhe fie.	tu , Type	Photographer Hamm G No.	Srq.	Chete Shows
122		0111474.20		Overpass & camea core on Elm	107		Va. 411es.23		Larry Florer in Steriff's office
123 (J. LLIM.21		1:45 FM - Hand pointing to builet mark (Dailor Morning News) Scene at Porkland	100		•	3-0	Larry Florer in Sheriff's office Larry Florer in Sheriff's office
125	P.A	•		Hespital Il contact prints of TNO late on November	161		-		Larry Florer in Sheriff's office Larry Florer in Sheriff's office
		_		22	172	ra	-	11	This from a distance
	LO LV	•		II contact prints of foretown nospital G contact prints ot folice glocion	191	rn B1	•	3-13	TSD from closeup Two cops to TSW doorway
120		• '		16 contact prints of scenes around fark-	173	80	•	3-14	There "tranps" free R.R. yerds is frest of TSHI
129	£0	J. Beers, 22	1	lawi Hespital (Dalias Meraing brush it, Meatgemery care		6-8	•	3-15	Three "tramps" on Houston St.
130	en.	•	2	tying large paper bag Lt. Montgowery with bag	177	LU	•	3-16	Taree "trangs" being led towards she- eiff's office
131	to	•	3	Lt. Johnson carrying Dr. Pepper beitie		PB	:		Bullet mark on curb
132 133				Noves inside TSW bin flaor window W.E. Baracti & J.N. Smith (cops)		LQ LQ	•	4-4	Lt. Hantgowery with boy G Lt. Johnson
134 135	ra an	•		Larry Florer on Houston St. Area where Osweld's rifle found	501	FB	•	4-5	Eth hottle Lt. Mantgewary with bag G Lt. Jebassa
136	LB	•	9	Area where Oswald's rifle found		ra	`.	4.6	with bottle Lt. Johnson with bottle & lunch seck
137	LD	•	9	Two ren in police car - and segre, and Cuban	203	£B	•	4-7	Lt. Johnson with cottle & tanch sack
	£B	:		Store men being led from TSDD by cupt	204	87 87	:		Dozes inside 6th floor minima Dozes inside 6th floor minima
139 140	ra a			Three tramps being led away from TSNO Three tramps being led away from TSNO	206	EG	:		frace leside 6th floor winton View down fin from 6th floor window
341	1.0	•	13	Rifle being carried away from TSOO by Lt. Day	267 268	LB	-	4-14	View down Ein from 6th floor minton
142	rB	•	14	Fifte being carried away from TSDD by Lt.	209	£0	-		View down Elm from 6th floor Window
143	r 8	•	15	first toing carried amon from TSED by Lt.	211	rs	:	5-2	Cop to front of TSNO 6 group
144	ra		16	Pay Two ladies & hoy leaving TSBO	212 213	LU	:		Group is front of TSDD Cops in TSDD doorway
145	LU	• `	17	View from 6th floor wintow - hov. 22 PM	214	10	•		Police cars and crowd behind TSTO (north) Police cars and crowd behind TSTO (north)
•	60 63	:		Os-aid arrival at Police Station Cop with skotyun troking up at TSSO		cu	•	5-4	folice errs and cross behind TM-s (morta)
140		-	50	Group around TSM Old away from TSM Old white entered can led away from TSM	217	83	•		Argre G Letin men under erreit on Ein St. Argre G Letin man climbing in police cor
	LB LU	•		Scene around & Inside TSSS - view of cast	2:9	ra	:	5-10	begro G Latin men in police car
151	rn		23	side of linusten TSiVi from point on linuston	220	PA PB	-		Lt. hay corrying rific out of TSD Lt. hay carrying rific toward Houston 6
	LB	•		3 boxes stacked up at TSGO 6th floor wis-	222	FB	•	5-13	Elm Lt. Day carrying rifle toward Houston G
153	FB	•		Gew Scene around & taside TSID					E1m
	eb eb	-		Scene around G lassed TSIO Scene around G lassed TSIO	223	rB	<u>-</u>		Lt. Day carrying rille approaching cor- ner
156	LO	•	28	Scene around 6 inside TSAD Scene around 6 inside TSAD		PB PB	:	\$-15 \$-16	Lt. Day carrying rifle crossing Houston Lt. Day carrying rifle clossing houston
138	6 8	•	30	Scene around & Inside TSDD		PO	•		Lt. Day corrying rifle in front of Dal
	PB PB	:		Scene arount & Inside TSDO Scene arount & Inside TSDO	227	PB	•	5-18	Lt. Day carrying rifle in front of Dal .
	PB PB	Mm. Allen 2	ຸນ	Scene around G Inside TSBD (Dallas Times Herald) 12-39 PH Walthers and	228	28	•	6-3	Tex Two words and man icaving a house
	•			second official picking up something from	229	PB	•	4-5	Two women and man getting in police car - Another photographer thems
163	FB	•	1-4	ground 12:40 ft (hertz tlock shows) balthers and	230	68	•	6-5	Two women and man getting in police car - Another photographer shows
				group scar spot where something picked up - South of Eim mear inlet	231	89	•	6-6	Two woren and man in police car - An-
164 165		•	1-5	12:41 PM Grassy anoth from center of plosa Group scar feet of steps on Ein - TSAO G	232	78	-	6-7	other photographer shows Two women and man arriving at police
103	•		.~	Oal Tex in background - C. Breke being		26	•	4.4	station Two women and man arriving at police
166	PB	* • ·	1-7	Interviewed 17:42 FM Group near frot of steps on Elm - Grassy					station
٠.	_			hmoll in backgrouns - C. Brehm being interviewed 12:42 FM		PB FB	J.McAuley, 2		Two worth and man in police waiting room (Ft. Worth Star Telegram) Han arrested
167	28	•	1-8	Group scar foot of steps on Elm - Center of	736	. รธ		2	in Ft. Worth mear police cer Man mear car in Ft. Worth - Nov. 22 PM
168	83	•	1-15	plaze in background 12:42 PM Cop with shotgun - Del Tex in beckground -	237	F8	•	3	Man being led sway from cor
169	28	•	1-16	Ein G Houston 12:43 FM Cop with shotgun - View east on Elm from	236	60	M.Cobluck.2	5 1	(Ft. worth Star Telegram) Spot where builet hit grass
				Houston 12:44 YM		63 63	-	2	Spot where builet hit gross Spot where tullet hit gross
170	. PB .	•	1-17	(around 12:45 FM) TSRO from south of Elm on licuston.	241	r8	•	4	Spot where builet hit grass
-171 .	78	•	1-16	TSRD from south of Elm on Houston (closer view)		PB		5 6	Parkiand Mospital - Hany people in Cront Parkiand Mospital - Many people in Cront
172	2 8	• .	1-19	Creed held back - Corner Elm & Houston out-	244	PB P3			Parkland Hospital - Many people is front (Ft. Worth Star Telegram) Desley Pi-za
173	PB	• •	1-20	side County Records Bidg. Del Tex. cops with shotguns from corner					from Helicopter late afternoon - Ger. 22
174		. • 1 5	2-3	Elm G Houston Cops G crowds in front of Dol Tex fire		P 9	_		Helicopter view of Dealey Flaze from east of Dal Tex
175		• 1.	٠.	escape - Kentesana in photo Cop with shotgun in front of Dol Tex	247	PB	•	3	Helicopter view of Dealey Plaza from most of overpass
176	PB	•	` 2-5	6th (loor window - Nam measuring cartons		PB PB		4	Parkland Hospitel, JFK car Parkland Hospitel, other cars
177 178	PB		2-7	6th floor window - Min measuring cartons 6th floor window - Man measuring cartons	250	PB (6	View of Railroad tracks from 7500
179	P8 -	•	2-8	Cops checking cors lined up to leave park- ing lot 12:51 FM	25	. 28	G. Saith.27		(Ft. Worth Ster Telegram) Three see from R.R. tracks im front of TSSO mader
180	89	•	2-14	12:55 P4 Sheriff waving out of 6th floor window ment to "the" window	94	e Pa		,	arrest Three men from R.R. trocks in front TS80
161		•		"Assessies" window					under arrest
195	76	•	Z-16	12:55 FM Cops with shetguns - Oel Tex is background (looks like Merray 2-15)	25	e ro	•	4	Lt. Montgomery with beg Lt. Mentgomery with heg
En1		:		Larry Floror being Crisked		s ra s ra		5	Lt. Johnson with such and bettle Lt. Johnson with such and bettle
104	70	•	2-19	"Assassias" window	25	7 70	•	7	M surger 6th floor TND inside (ft. Worth Star Telegram) Photographors
106	re	•	3-5	1:00 PM Larry Florer in Sheriff's effice	25	8 78	W.Devis.28	•	in camera car CAN 2 early metercade

,	F441	ile.	Phetographe Name G No.	r Seq.	Photo Shows	FAO	te Type	pifmelographer Name G Me.	Seq.	Photo Shows
:	54	ra	Keigman, 29	1	Scene on Ein, grassy knoll, TSOD doorway	218	FB	Marrey, 30	2-24	Cops beside that Tex Bldg Houston St.
		ξņ	• * 30		Acemas on ground - Cong 1 6 2 on Elm St.	3;9	to			Group to from of Dal Tre - Closeup 1:09 -
	62	tu tu	201707.20	•	filant Glant	320	rn.	•		ma to bey film) Hariff stace dematema 1:21
:	13	81	•	1-3	Ein C Houston & Del Tex from in front of TSNO 12:33		t.u	-		Bartly place downtown 1:24 Bartly place downtown 1:24
	M		-	1-4	- 130 12:33	323	PA	•	2-27	Larry elarer in Sheriff's office 1:20
	145 146	69 69	:		Parking Lot - North section 12:34 Parking Lot - South section 12:34	324	กา	:		Lucry Figure in Shoriff's office 1:20 Group entries that Tex 12:24
		FB	•		Elm St., Ext From west end looking east 12:34		LO	•		Front of TSID & tim St. Ext. looking
		a3			Center of Plaza from knot1 12:35		ra	-		Vice seets on Houston from Elm 12:57
•	.09	LB	•	1-9	Closeup of large group on north Curb of Lim 12:35	329	to to	•	3-5 3-6	View touth an Houston from Elm 12:57 In Speciff's office 1:66
:	2:0	PO	•	1-10	Cintrup of couple on morth side Elm St -	3.10	ra ra	•	3-7	la Servill's office 1:00 la mervill's office 1:00
:	271	PB	•	1-11	TSOD in background 12:36 Long shot facing overpass from steps on Lim 12:37	332	rn n	•	3-9	
	172		•	1-12	Arcade & knull from center of Place 12:38			-		office 1:04
•	273	P8	•	1-13	Police examine spot on ground - Herts clock shows the time 12:39	335	63 84	:		Fire across Place from Houston 1:07 Har on Assistan St South of Hein 1:12
;	274	PB	•	1-14	Same as 13 - South Elm mear sewer outlet		ca	•	3-13	Her co houston St South of Main 1:12
٠,	275	7 8	-	1-15	- Walthers lighting eigerette 12:39 Walthers picking up something from	337	LO	_	3-14	Cat driver downtown where Marray bought file 1:23
	. 74		-		ground 12-37	339	rn na	•		in Secriff's office 1:30 Overpass from tim 6 Houston
	276			1-10	Weither holding something in his hand 12:39	3:3	PS	•	4-5	Creryous from tim G timeston
- 1	277	PB	•	1-17	Another official touching spot on ground 12:40	341	PA PA	:		Direpass from Elm G linuston This west and - Top floor
:	276	PB	• .	1-18	Police standing around spot on ground	313	CU	-	4-8	Title west ent - All floors
:	274	70	•	1-19	12:40 Police picking up other objects from two	311	ta ta	-		Envites & Elm activity Envites & Elm activity
	260		•		spots - Clock shows the time 12:40	317	L9	:	4-11	Houses G Lin activity Houses G Ein activity
					TSAN Plaza 6 knoll from Commerce St front doorway guarded by two cops 12:41	348	£8	•		Bouston & Elm activity - Pessible ar-
	261 262		•		TSEE Plaza G knoll from Commerce St. 12:41 Front door of TSEE from south of Elm 12:42	3:9	ro	•	4-14	fist TSN tast end = Top floors
	263 264	rs	•	1-23	Front door of TSM from south of Elm 12:42	320	ra ra	:		This last end - Top Cloors This fast end - Top Cloors
	265	6.0	•		Front door of TSM - Closeup 12:42 Front door of TSM - Closeup 12:43	332	PO	:	1-17	TSG Fast end - Top floors - Clock shows
• :	236	28	•	1-26	Negro boy in police car - front of TSRO 12:43	324	LO Str	-		TWO East end - Top floors TWO East end - Top floors
:	207	F8	•	1-27	Front door TSOD - Clescup - Waithers in	355 356	63 83	•		TSH East end - Top floors
:	266	78	. •	1-28	doorway 12:43 Yiew east on Elm St. from Houston G Elm	357	T	Atkins.31	1	bronzes on the ground
	209	PB	•	1-29	"Dal Tex & County Records Bidg. 12:43 County Records Bidg Nr Corner 12:43	350	T PB	Coccellare, 3	2 1	homaes on the ground homaes og ground - heigman. Craven.
	290		•		View north on Houston from south aide of	360	PB	•		ettäras .
:	291	PB	•	1-31	Elm St. 12:44 TSND from Houston & Main 12:44	361	84	•	ŝ	Nomacs on ground - Closeup Paratey lot
•	292	78	•	1-25	TSRD front G doorway from Houston G Elm 12:45	362	PB PB	:	4	Place 6 Elm St. from Enoll Crowl on north side of Elm from Enoll
. :	293	P8	•	1-33	TSRD front G doorway from Houston G Elm 12:45	364		•	6	- Dabushka Lady appears Crowd on Overpass watching JFK going
	294 295		•		TSND doorway - Crowd in front 12:45 Cop with shotgun - Del Tex Bidg. In back-	365	28	UP1. 33	1	out Stemmons Freeway Lt. Montgomery carrying paper bag out
,	196	ra	• .	1-36	ground 12:45 View north on Houston from Elm St. 12:45	366	PB	OPI. 34	2	of TSIO Officers in front of TSIO
:	?9T	P8		2-3	View of overpass from Elm 12:40	367		•		Copy of um. Allen 1-3 with caption
7	178	PB	• • • • • • • • • • • • • • • • • • •	12-4	Crowd on Elm C eastern Cupels from south on Elm 12:40					reading: "Dallas police search ground for builet believed to have lodged in
:	299	ro	• :	2-5	TSRO front door - Reporter tape recording interview with Brennan 12:42	368	FB	UP1, 35	4	the carth" Negre girl crying outside Parkland
	300		: .		TSND front door 12:42	369			_	hespitel
	303 301				TSID front door 12:42 Walthers being interviewed in front of		PB		•	Repressive Crying outside Parkland Respited
	303	D.R	•	2-9	TSBO 12:45 Walthers being interviewed in front of	370 371		Stoughton, 36 Berrows, 37		Not sure he took anything Cam 2 Cancra cars on Houston St. from Cam 2
					TSND 12:45			•		(AP)
•	304		- '		Policinan on 6th floor yelling out win- dor 6 pointing to 6th floor window 12:55	372 373	MC	Dormen, 38		Comera cars on Houston St. fros Com 2 Ji's on Houston - Glimpies on him before
•	305	rB	-		Policeman on 6th floor yelling out win- dow G pointing to 6th floor window 12:55	374		-		. shots Kore glimpses om Houston after shots
. :	306	81	•		Three ledies on top floor fire excepe lending of Del Tex 12:56	375		Unidentified Photog.(Fole		TSO on AM of Nov. 22 - 6th floor win-
•	307	PB	•	2-13	Cops with shotgums in front of Del Tex 12:56	376	MC	Krs. Beck.40	i	Not sure film exists - Taken Curing shots
	306	78	••	2-14	Cops with shotguns in front of Oal Tex 12:50	377 378		Weaver, 41 Powell, 42	1	TSD 6th floor window before first shot (esset find him
	909	PB	. •	2-15	Cops with shotguns in front of Dal Tex	379		Volkland, 43	1	## on Stemmons Freeway - Back of TSBO
•	310	r8	• .	2-16	12:56 Copy with shotquas is front of Del Tex	380	PC	NacComos, 44	1	C Parking let Group of police interrogating as old
	311	81	•	2-17	12:56 Larry florer being interviewed in Sheriff	381	PC	•	2	ocgre outside TSOD Group of police interrogating as old
	27.5	PB		2-16	office 1:06 Larry Florer being interviewed in Sheriffs	382		•	3	orgre estide TSBO Sceen in Dentey Plaza
i	313		;-		office 1:06 Four scn in Sheriff's office 1:05	363 364		•	4	Scree in Dealey Flora Scene at Tippitt shooting
	314	PO		2-20	Larry Florer 1:06	385	PC	:	6	Scene at Tippitt shooting
	315	78		2-22	Larry Florer 1:06 Larry Florer 1:06		PC	•	7	Opened in Texas Theatre just before arrest
	311	PO	15.	2-23	Cope beside Del Tex Bldg Houston St. side 1:08	367	PC.	•	•	Overid in Texas Theatre just after arrest

FA.	ito Typi	eyPastographer	r Seq		r.		ejPhotographe:	. ده	d "
	ra	Jection.45		***************************************	No.	Typ	e ham G No.	M+.	Photo Shous
309		•		St. Station bif4-TV (ANG) Photographer - Cap		T	E. Couch.49	5	Con with ervolves dewa - South of the Brenn. Babusaha Laty, Summera, Hell.
370	T	•		Carrying section toward TNVs Decker Brennin, Cop with skuting outside	437	T	•	6	Moorman, Tague South of Elm - Sweeping sarm to overpass Photographers on sould - becomes on
371		•	3	TSIN decreas TSIN decreas same time as millis 10	436	T	•		ground Hisjood trying to jump cycle over curb
343 344	Ť	•	5	6th floor winter from unterprets Larry Floore les toward Houston & Ele		_			sorth of fin - original & Concellare running to cateo CAV 1
395		. •	ĭ	Four cops with shotguns - Del Tex in barkground		T		8	Growt on botth side of Elm - Toben from secule
3%	T	•	6	Larry florer bring led down Houses St. m. 3 other photographers show up		· T	• -		Crowl on horth sice of Eis - Taken from
241		•	9	Larry Florer golog late gatege extrance of Sheriff's Birg.	441	ī	•	10	Crowd on North size of Elm - Taken from Car driving on tim (All of above are taken prior to ad 35 fM - Acr. 22)
399		:	11	Two cops leading sagra witness into TSAD Postibly two own placed in police car in	442		•		TSOD 6th floor window inside a Cops Inching out
400 401	•	:	12 13	Sim two was driving down Elm St. Kenten G negro led to police car on Elm	443	Τ.		12	TS-61 from center of Plaza - Zoons in on bib floor minim - Fans down to kryll - Then to cereer of Houston & Ein G
402	T	•	14	Same two being placed in car - Amethor					back to overpass - Executive train- morted on everpass
403	τ	T. Alyes, 47	1	photographer (sef4-TV AlC) tiew of Place C table from Houston C Main - growd mering toward knell	445 445		:	13	Arease with several people is it BFAA Communicator seems rifle & telescopia right similar to Greates lying in
404 405		• :	2	Scene outside TSD Scene outside TSD	446 447		•	15	Center of Piera from knot!
406		• •	4	··· · · · · · · · · · · · · · · · ·	441	•		10	Capola, Zapruder's position G arcade (Sem- quences II to 15 above were taken be-
408 409	T	•	6	Police scatching through 6th fless Police locking out 6th fleor on Beaston St.	448	T	D. Cook.50	i	ture: 3 and 4 for - Nov. 22) (ATT-Channel II Fort Morth) JFK on Mala and rounting corner llouston G Hala -
410 411	T	•	8	Cop sticks test out toward Elm St. Acca showing lucch sack G Dr. Pepper	469	T	. •	2	Taken from 14 front of Sheriff's office Cop with drawn revolver 6 crowd on fin less than two nesutes after fatel and
412	T	•	10	bottle af floor of TSRD - Is hiding	459 451		:	3	Activity in parking lot Locking cast on Ein St. Ext. toward TSBD
413	T	•	11	pince - Sheriffs G police exestee spot Closeup of rifle posed for photo - Sight	452 453		•	5	le front of TSW leader TSRO - Lower floor
414	T	•	12	visible Policenam holds rifle up - Second cop	454 455		•	7	inside TSDO - Sixth floor Arrest G possible rifle (some as Willis
415	T	•	13	points at boit Group near boxes where rifle found -	456	T	٠.	9	10) Larry florer arrest
416	T	•	14	Newsmen taking notes Lt. Day dusting live shell for finger-	457 458				Scene of Plaza Scene in front of TSGD
417		•	15	prints. Soliet visible Sheriffs talking on 6th floor	459		•		Scree of knoll (All of above by Dea Cook were taken prior to 1:30 PM - Nov. 22)
416	T	8. Reilsad, 48	1	(WFAA-TV ADC) Frame Bidg. is Dak Cliff - Where assassis thought to be - Mes sacaking upon it - Could be library or	460		T.Creves.51	1	(CBS) From CAN 1 Houston St. before the shots
419	7	•	2	temple Two police cars speeding along residen-	461		-	2	Knoll after shets - Creven jumped out of CAN 1
		_	•	tiol street is Oak Cliff - Police go into old from building	462 463	Ť	•	4	Closeup of Newman Arcade (2, 3, 4 above were taken within 2 minutes after fatal shot)
420		_		Cop holding up light grey jacket - Mear parking let	464 465	ĮŽ,	Gaderwood, S		(KRID-CRS) TSRO sign over doorway Sinth floor winter from directly beneath
421	-	_		Hen in thirt electes telking mean used car lot	466	T	•		Ceps with shotgams - Del Tex in back- ground
422			5	Several police cars G cops mear Tippitt . shooting site - Cop reas toward police car holding our bett	467	T	•	4	Cops with shotguns - Oul Tex in back- ground - Police photographer leaving TSMO
423	T j	•	•	Group gathered around Tippitt's car. Piece of paper or poster lying on dash-	468	-	•		Fire engine moving North to Elm on Hous- ton
·424	T,	• • .	7	board - No detail Cops examine Tippitt's billfold (accord- ing to Relland who is merrating) - Note	469 470	-	-		Cops with shetgars Fifth floor wiscom TSBD from directly be-
	İ			ped inside - Cors point to it - Cop holding Tippitt's pistel beside his car	471	T	•	•	cop with shotcom G police official - Del
425	T.	. •	8	Group around Tippitt shooting site (ever- exposed)	472	T	•.	•	Tex in backgreens Sixth floor winter from beneath - Pans
426 \	7	•	•	Crowd around police car is besiess sec- tion - It drives ever with sources is back seat	470	_			down to view Vert on Elm St. Ext Several cops moving fast - Police car in center cop getting out
427 428	T T	•	10	Police Cors driving up to Texas Theatre Texas Theatre looking up at tower	473 474	T		11	Cop looking up at TSAD with shotgen Cop looking up at TSAO with shotgen
429		•	12	Texas Theatre - Cops going in - Car pulls	475	-	-		Same cop looking up at County Records Bldg.
430	T		13	Inside Texas Theatre - Very dark - Lights blinking - Cops hustle Oswaid toward inside doorway	476	T		14	Sereral men going rate TSBD doorway TSBD from Houston St Pans in on 6th floor window
. a ı	T	•	14	Growd gathered around police car outsids Texas Theatre - Oswald inside in back seat - It drives away	478 479		•		Several more men going into TSRD doorway Cop G two police officials running fast from near TSRD doorway toward garage
432	T.	M. Couch, 49	1	(MFAA-TV ABC) Is CAN 3 - Motorcade ea Main St. approaching Houston St.	460		•		Fireman going late TSGD corrying ladder
433	T	•	3	Front of TSED - Crowd on north side of Elm es CAN 3 remais corner Houston G	481		•		Arrest G possible rifle in front of TSBO (same as Willis 10)
434	T	<i>i</i> •	2	Ein CAN 1. CAN 2. other photographers on	462	٠.	-		Decker being interviewed in front of TSBD (shows in Marray)
	-	<i>!</i>	•	kaeli - Howars on ground - men with umbrelle folded - Officer Haygood op-		T -	•		Fake secret service man G Roger Craig in front of TSRD (shows in Murray)
•	•			preaching north curb - Hargis running to cycle South of Elm St. no CAN 3 nove down Elm	483	ī	J.Dermell.54		(MBAP-NDC) Eim St. octivity after he jumped out of CAN 3 - Less them 1 min. after fetal shot

		, footographer ! Asse & he, I		Photo Shows			Praimpropher Seq.	Photo Shoos
4/14	τ.	J.Dernell,S4	2	In parking lot	501	7	Condentified	Appears in Machiner &
406	٠,	:	3	in front of Tunt - Arrest of our on the In bias press from - Old Co. Court House - bitness interviews	502	7	Han, idi Leini nii fied Han, fii	Appears in Martin 3
407		0.0-rns,55	1	(bisp. NIC) In fenot of TSIO Decker being intersteed in front of TSIO	503	1		policemen says he sen someone on overpess
41·8 469		EFED.56	î	(Pastographer unterwint Two men running in this own of fence toward old building a-	504	7	Carmentified	Bressan says he can her taking pictores
				mag trees & skrubbery - Could be 11-	505	7	Enteretified	Appears in Altgres 1-4
			•	braty or church in Oak Cliff where sus- pect was believed to be hiding	506	t	Consentified	Appears in Murray at Houston G Elm
470 471	FC	T.Tonner,57	1	JFK rounding corner Houston G him JFK rounding corner Houston G him	507	7	Caldentified	Appears in Herrey 1-27, 1-23, 2-5, 2-6
· 492		T.P. (cha) 1.59	2	Canera care gaing down the St. Jit going under overpass	500		Grent .73	hat sure he tank anything - has in Cit 2
494		H.SImiles,60	1 2	Jfd on tin - TSiO to background Jfd on tin - Georges in background	509	,	Caidentified Nam,74	Took Elm St. photo before notorcode af-
497	63	D.Hoorman,61 J.hcumman,62	1	JFK in car after thots (Sold to AP) JFK on Strmona (Sold to AP)	510	7	Carciatified Paston, 75	JEK early is motorcode. Jack Puby? G stripper? standing on curb
498		La, by secol. T	i	JFK on Street Court and - ive Great toys Howard had this photo - Not sure it exists	511	7	Unicentified fretog,76	Man taking movies from upper fivor of Del Tex Didg. Sorrels took possession. See Sanger Test. 66324
499	7	Unidentified Froteg. 64		Appears in two Allen 196	512	1	Joe Scott.78	TSBD scenes - KRLO photographer
500	1	Bedushke Ledy,65		Could be hobushin tady - Appears in many pictures taken north and south of £1m - Probably took movie of fatal shot				

"Legend for Type of Photo: N - Movie: P - Still Photo: T - Television Feetage: C - Color: L - Black G white
"Znere are 10 other photographers' sequences in the DCA film in adolation to Martin G Menterson

abilies to Martin & Minterant lie? Aligens, Associated Press, remembered taking only three of the photos he actually took in Dealey Piaza. He took seven at the tine of the motorcase and 21 more ofter 5 PM. The actual roll and frame numbers can the acquations are given.

roll and frame numbers on the negatives are given.

**Janes Kirray used two cameras, one telefate and one wide angle. The rells as nambered elicinate between the two cameras. Rolls 1.3 - Camera 1: Rolls 2.4. etc. - Camera 2. Homever, the individual photes do not alternate. Camera 2 was used much less free-circly then Camera 1. The photos on Rolls 2.4.6.0, and 10 therefore are interspersed with Rolls 2.3.5.7, and 9 on a more or less random basis. Only the times listed indicate the true sequence. The roll and photo numbers listed are those appearing on the actual films. Only rolls 1 through 4 are listed here. Rolls 5-10 were exposed either on Nov. 23 or later, or the night of New. 22 in locations other than Dealey Flore.

In estition there are four other Black Star photographers who tota pictures: Gene Daniels, Matt Horrom, Saci Hershorn and Mr. Stude. Core Camiels took a total of 2/0 black and white, 35 am still

the Datest tone a total of Low Hatte where the effection of these were taken the afternoon and evening of howener 22 and the rest on howener 23 and 24. There are scenes at Deniey Plaza, TSiD. Sheriff's office, Police station, Police press conferences, Cisald's rooming house and room, Otheld's public appearances, and since of Elm St. from Dal Tex Ridg, through telescopic

aight.
Their photos are not counted on this list because they were not taken on hovember 22 in Dealey Plats.
Man with sign saying "S.O.B. Jack Kennedy" is standing on South curb of tim, facing positions of man with unitella. This photo taken about 1 minute after shots. Could be a signal for suc-

derwood and Sanderson attred the same comero. Underwood bor-rowed it from Sanderson shortly after shots were fired, taem roturned it. It is not certain which one took what 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 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 tele-vision sequence. In Table 3 (the main list) there is a record of about 44 movie sequences, and lul 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.

liow 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 infor-mation 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 that he took. Cross referencing is possible. but difficult, time-consuming, and clumsy. When 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

COMPLTER CODES FOR PERSONS AND DERETS IN THE PHOTOGRAPHS --PAULICIANT LIST OF COCCS

	true	ц			P-1141	*21	
W. E. Recrott	102	maa (unidras.)	129	Carto place	•		
ber	103	red with sign	130	Courty Courts	301 302	library or church	Yet
C. Brehn .	104	Li. Wratgracty	132	Courty territ	303	ald building	20
Brennes	105	motorcycle cop	13.1	0-1-7-5	301	fartine despitel	201
Cob Criver	106	brorn	134	frame bulldiage	305	police station Trees Teratro	3:0
cep .	100 .	brara giel	135	house	306	TSist (Texas School	311
2 cops	109	Marias	134		200	[mot be pository)	212
tops (officers)	110	nrusera (reparters)	137			man manifolds	
coopie	111	efficials	tan :			·····	
Roser Craig	112	eld frogra .	174				
Craves	113	L. Orwald	140				
Latin man (Maxison, Cubar)		propir (crowd)	141		Estione en	& Erenia	
Li. Deg	115	tres ediables	142				
lecter	116	Jech Ruby	143	errest	401	interregating	4113
fate secret survice men	117	sheriff(a)	144	Corryleg	472	1etereien	4.0
ficenan	110	J. W. Smith	145	checaing care	463	leading	411
L. florer	119	Sorrels	146	climping	494	. Hysting elgeratio	4.2
flaygood (officer)	120	etripper	140	Ciples	405		4:3
Hergis	121	Summers	149	dusting for fingerpriate	496 497	top- recording	414
CHAL HILL	122	Tague	150	Gun erea's	408	telephoning	415
LL. Johnson	123	Tippic.	152	1444 E247	400	werter	410
J.F. Kennedy	174	trenpe	153			gelling .	417
ledies (women)	125	usnen (uniovat.)	154				
8. Levelody	126	helthers Krighan	155				
ean arrested	127	white-heired man	156		Chlad		
men in shirt sleeves	120	Walle-seiled 448	• 30	•	Sples	u	
		***		back seet	501	live stell	522
	Regions or	Places		bilifold	9.3	estercade .	523
				boves	⊘ 3	estorcycle(s)	524
arcade	591	h.w. corner 6th floor	218	tuilet	504	pole ges	525
area where Guwald's	202	TSin) bidg. feelde		bullet mark	505	perme beg (seck)	1.26
tifle found		Oak Cliff	219	Covera (com)	:416	paper or poster	527
bar en liousten St.	203	overpass (triplo	250	coucto cots	507	pirkep truck	1.1
Connerce St.	205	overpass)		COTL	500	police care	5.9
cerb .	206	parking lot	221	closrette	÷19	tere bumper	571
This decreas	207	plaze	222	clece (Herts)	510	effle	531
east cupola	208	police (welting room)	223	congressional car 42	511	sewer outlot	275
7th floor fire eacape	210	railroad trocks	224	Corren sign	512	1 hades	533
6th floor wiedem of TSBO	211	residential street	225	dest baerd	513	shot gen(s) .	534
Ft. Worth	212	sheriff's office	226	Dr. Pepper bottle	514	shruckery	232
gorage entrance of	213	spot where buildt hit	227	fenca .	515	telescopic eight	535
Sheriff's building	***	grass (bullet merk)	1	fire engine	516	trees	537
grassy knoll	214	Stement Freemy	228	foot	517	webrella	538
Houston St.	215	steps	229	Çsa	518	unidentified object(s)	539
Love Field Naim St.	2:6	Tower	230	bond	519	white station maron	540
					111		
v	217	used car iot west capols	231 232	J.F.K. car light grey jecket	520 521	wieden	541

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 reference techsique 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 Zapruser 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 Murray'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 (see Table 1). The period from the end of the Zapruder film (roughly ten seconds after the last shot) up to the first of Murray'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 human eye is expert. For ex-

COOING SHEET FOR COMPUTER-ASSISTED AMERISES OF PHOTOGRAPHS -- PRELIMINARY

W 1A	ATOMATICS - ENERTHERITARE	
<u>Field</u>	Coding Instructions	Approx. No. of Characters
A. Identifications	•	•
L. Photograph Number	Use photograph number in main list	3
2. Type of photograph	Use M for movie, P for still photo, C for color, R for black and oblic, T for television feetage	-2
3. Photographer	Use photographer sumber in main list	2
4. Sequence number	Use photograph sequence aumber in main list	8
5. ferson who amplyzed photograph	Use enalyst identifying number according to a previously established tey	
B. Centents of the Photoc	<u>reck</u> :	
 Nectographers (heter a picture may of course show other photographers taking pictures.) 	Use photographer swader. Previously, make as alph- abatic key to photograph- ers from main list	0 to 12
2. Other persons (in the picture who are not photographers)	Use person code in Table 4	0 10 12
3. Regions er places	Use place code im Table 4	3 10 12
ر 4. Selldings د'	Use building number in Teble 4	. 0 to 12
5. Events and actions	Use code in Table 4	3 to 12
4. Objects	Use code in Table 4	ð to 12
To floce of the photo- graph 1	Use the grid shown in the map, letter first, then number	, 2
d. Tine	Use time code. Previously, adopt a scale of times: fractions of seconds, labeled with Zapruder frame sumbers during the Zapruder movie requence showing the shots; them, seconds, minutes, and hours before and ofter the Z sequence as may be appropriate; them, days and dates	•
To Capacie summery of photograph	Use 10 to 30 words des- cibing the contents end importance of the photo- graph, according to specified rules for sum- marizing and examples	60 te 200
Approxi- characte	nate maximum number of total ers for one computer record:	200 to 300

ample, when a picture is printed in a newspaper it is "screened", i.e., converted into a collection of small 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.

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

744

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 hushes, or make bushes out of people, or see canals on the surface of Mars.

In the case of the photographs taken at the tire of the Reacedy assassination, we have, honever, a different situation. Suppose that four photographs taken at just the same time show a particular spot on the grassy small 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 anoke, for example).

Objectives of the Computer Search of the Photographic Evidence

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

- 1. Can rifles be seen in firing positions?
- 2. Can the faces of the gunnen 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 gulf of smoke? (At least nine photographs do.)
- 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 cameras showed that they did? (One Dallas police officer testified that after the shots he ran up the grassy knoll. But he is shown in some of the photographs, and he did no such thing he just leaned against a lamp post.)
- Can guaren be traced through a series of photos?
- 7. Given a certain object or event in a particmar place, which photos should show it during a particular time?

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 task 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 record-keeping and analysis of the photographic evidence in the assassimation of President Kennedy.

Part 4. Appendices

Acknowledgements and Notices

I wish 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 Castellaso, Bernard Fensterwald, Margaret Field, Jim Garrison, Trent Gough, Jones Harris, David Lifton, Ray Marcus, Sylvia Meagher, Gary Murr, Fred Newcomb, Viacent Salandria, Gary Schoener, Jo-

. Ł.

siah Thompson, William Turner, and Harold Keisberg. 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 onission or commission or incomplete or inadequate analysis of some or 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 copyright in a publication of a picture, we shall be glad to pay the normal conversial 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, or Martin Luther King. Jr., or Senator Hobert Kennedy, about what has so it been found out by the researchers. Computers and Automation will make an effort to provide brief replies to these questions. Plense write to Computers and Automation, Att'n K, 015 Washington St., Newtonville, Kass, 02100; and please enclose a self-addressed 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 NCTIA, he should write to dernard Fensterwald, Jr., Chairman, NCTIA, 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 \$5 from Cutler Designs, 38 Union St., Kanchester, 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 bottom 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 second 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 history 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 Senator Robert Kennedy do something about this? - It is sed that he did not, for I

think he would have been alive now if he had. There is little evidence for any answer, but there are two popular theories. One theory is that, 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 fatelligence Agency and the failure of an attempt to assassinate Fidel Castro resulted in some anti-Castro Cubans and others participating in organizing his assassination — some of the same jeepie who had participated in the assassination of his brothmer. I do not know why Senator Rubert headedy remained silent; why Senator Rubert headedy remained silent; why have both suppressed the autopay materials on President John F. Kennedy.

e No you think District Atterney Jim Garrison is a madman or a fool or insane? — No. I think that he is absolutely some, and one of the objective Americans left, and that he has a great deal of courage. He also suffered from underestinating the strength of the forces ranged against him. In addition, the CIA penetrated his case against Clay Shaw; they were even paying the langers of some of the people he arrested or attempted to suppoend. He said, "You can't conduct a trial of a CIA-backed conspiracy in an ordinary U.S. court."

• Why did the national news media conjectate in the attack on Garrison's credibility? — Into question is hard to answer in a short space. For such light on this important subject. I refer you to Mark Lane's book, A Citizen's Dissent, now in papersack.

· Are you telling me that men as distinguished as Chief Justice Earl Warren, John J. McCloy, Allen Dulles, Gerald Ford, and others on the marren Commission can be wrong about their corclusion expressed in the Warren Commission 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. cently, one of the Warren Commissioners, Senator Richard Russell, har 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

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

Did J. Edgar Hoover know about the plans for the assassination of President John F. Kernedy in Dallas before it happened? — There is conclusive evidence that J. Edgar Hoover knew, and issued no warnings.

 What can be done?
 One of the things that anyone cam 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 an 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 Kenedy autopsy materials.

4. It would be good to dismantie the Central Intelligence Agency — which President Kennedy before he was assessinated said he

- to do - and distribute its -cul functions elsewhere, and in the meantime make it accountable for budgetary funds

voted by Congress.

5. It would be good to expose J. Eagar Hoover, 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 Dallas, and to compel his resignation. The fBI know shout the plot well shead of time - through Osweld's nov. 20 phone call, and the Kiami police's warning, at least.

· What about an organization dealing with this subject? - There is one. As mentioned shove, a considerable amount of the new evidence 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 chairmen is Bernard Fensterwald, Jr. He is a washington attorney 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 ACTIA 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 evidence it has accumulated. The name and address are The National Committee to Investigate Assassinations, 927 15th St. N.K., 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 "enew 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 statements, 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 Dalles, 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. \$?

- Epstein, Edward J. / Incomest. The horrer Condis-sion and the testable control of the control Press, Rew York, 5.1. Plane, Larginguese, 224 pg.
- Flammande! Paris / The Formula Considering gation / Seconth Press, her tare, but, i Pare, hardmund, [540 pp. 16.95] Repharm, James / Farewell America / Frantiers Pales

lisning Co., Vaduz (Litthionstein) / 1'mit, hard-Jouston, Janetin / Granid: Assessin or Fall Gov? /

Marrant & Munsell Publishers, Inc., bestore, N.Y. / 1964, hardbound, 176 pg. \$3.95

Joeston, Janchia / How to arridy was Killed: The Full Appailling Story / Peter useray, Lundon, toylung /

Joeston, Joachin / Marina Osaald / Peter Immay London, Ingland / 1907, hardinand, 105 pp. 52.50 Jones, Penn, Jr. / Foreixe My Grief 1 / The Nidlo-thian Mirror, Inc., Nidlothian, Texas / 1900. softbound, 168 pp. \$2.75

Jones, Penn, Jr. / Foreive My Grief II / The Mid-lothian Mirror, Inc., Midiotnian, Texas / 1907.

softbound, 192 pp. \$3.60 Jones, Penn, Jr. / Fargise My Graef III / The Rid-lethian Karror, Inc., Radiotnian, Texas / 1909. softbound, 66 pp. \$? Kelly, Fred C. / The kright brothers / Gallantine

Hooks, New York, A.Y. / 1950, softbound, 214 pp. 50.35

Lane, Mark / A Citizen's Dissent / Fancett Publications, Inc., Greenwich, Coin. / 1909, softbound, 330 pp. \$0.95

Lane, Mark / Rush to Judgment / Helt, Rinehart and Winston, New York, N.Y. / 1966, hardboune, 478 րը, \$5.95

Marcus, Raymond / The Bistaid Bullat / Rendell Publications, 1249 High Point St., Los Angeles, Calif. / 1966

Meagher, Sylvia / Accessories After the Fact: Marren Commission, the Authoraties, and the Report / Bobbs-Merrill Co., Inc., New York, N.Y. / 1907.

hardbound, 477 pp. 58.50 Meagher, Sylvia / Subject Index to the Aarron Report, and Hearings and Exhibits / Scarecrus Press.

New York, N.Y. / 1906
Thompson, Josiah / Six Seconds in Dallas / bernard
Geis Associates, New York, N.Y. / 1907, hard-

bound, 323 pp. \$6.95
Sawage, Leo / The Oswald Affair: An examination
of the Contradictions and Omissions of the Aarren Report / World Publishing Co., Cleveland, Onio /

Weisberg, Harold / Whitewash — The Report on the Warren Report / H. heisberg, Route H. Frecerick. Nd. / 1965, softbound, 224 pp. \$4.95

Weisberg, Harold / Photographic Whitewash pressed Kennedy Assassination Pictures / il. weisberg. Route 8. Frederick, Ed. / 1967. sofebound. 296 pp. \$4.95

Wise, David / "Secret Evidence on the Kennedy Assassination", in the Saturday Evening Post, April 6.
1968, pp 70 to 73 / He said: "id feet, or approximately 25,000 pages of Warren Commission files remain closed A 165-page List of Busic Source Katerials gives the titles of 1555 Commission Documents of which 390 are closed or partially closed. Of the 250 totally closed, los are FBI reports, 50 are CIA, 13 are State Department, 11 are Secret Service, and the rest are from a scattering of other agencies."

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

4

4

10 电对待线