## Motion Of Head A Clue

NEW YORK (UPI) J One of the key factors in the argument of scholar Josiah Thompson that President Kennedy was killed in a crossfire ambush is the movement of Kennedy's head in the last moments of his life.

By studying superimposed sequential slides made from the movie taken by bystander Abraham Zapruder, Thompson contends that there was a double movement of Kennedy's head, first forward, then a tremendous wrench backward and to the left.

Thompson believes this resuited from the impact of a builet fired from the Texas Book Depository Building to the rear and then from a bullet fired from a grassy knoll to the front and side of the presidential car.

In order to obtain accurate measurements of the movement, the author studied enlargements of the frames of the movie through a dissecting microscope. The forward movement measured an acceleration of 69.6 feet per second and 1/18th of a second later the movement reversed with a backward acceleration of 100.3 feet per second.

Thompson s a id the film shows that the President's head did not strike any fixed surface of the car to cause a reversal in the movement. There was no sudden braking or acceleration of the car, and no movement on Mrs. Kennedy's part to grab her husband.

The author concludes that the reversal of the head movement was a reaction to the almost simultaneous impact of two bullets from different directions. His book quotes Assistant Counsel Wesley J. Liebeler of the Warren Commission as saying the commission "never p a i d much attention" to the Prefident's head movement.

HAVERFORD, Pa., Nov. 16 tion of my book, it won't be las" in anger after pointing | (UPI) - The 32-year-old philo- reopened," said Dr. Josiah sophy professor who wrote the Thompson at his office at Havcontroversial new book on the erford College. "If this happens, Kennedy assassination said yes-the case will remain an open terday he hopes the evidence he sore."

has unearthed suggesting a conspiracy involving three gunmen will force a new official investigation of the case.

"I think if the case is not reopened now, after the publica-l the book "Six Seconds in Dal-

Thompson, a Phi Beta Kappa graduate of Yale University who once commanded a Navy frogman demolition detachment, said he undertook out inconsistencies in the Warren Report to the FBI in 1966 and getting only a polite "thank you."

"I got a visit from the FBI a few weeks ago after word of my

book got around," he said. "They informed me that anything I said might be held against me, so I decided not to say anything. They went away, and I still don't know what they wanted to question me about." in 9



NEW YORK, Nov. 16 (UPI)-A new study of the assassination of President John F. Kennedy claims that three gunmen were involved and all of them hit their mark.

The major conclusions contained in a book by Dr. Josiah tion of the 1963 Dallas tragedy. Thompson of Haverford College, Haverford, Pa., are to be published in the Saturday Evening Post next week.

has "demolished" the findings eye-witnesses in Dallas, and

demanded editorially that the The Thompson book, "Six:

Seconds in Dallas," is based on scientific analysis of an amateur movie made by a The Post claims Thompson bystander, interviews with of the Warren Commission. It original research among docu-

> NEW PROBE URGED -Author seeks to reopen the JFK case; head motion theory explained . . . A-12. PHOTO on Page B-2

ments and photos in the Naton.

By techniques of superimpostional Archives in Washing-ing sequential movie frames and analyzing them by means of The author concludes that Leea dissecting microscope, Thomp-

oversight."

pruder, crucial evidence in the

Thompson claims the FBI

analysis of the film for the

Warren Commission was

made from an inferior copy of

a copy of original negative. In

comparing Life's copy with

the FBI copy in the National

Archives, Thompson reports "the new details that I saw

brought home to me the full

impact of the commission's

Harvey Oswald may not haveson discovered that Kennedy fired a single shot in the cross and Connally gave every physi-fire that he alleges killed Ken arate bullets, as Connally him-rady and wounded Cov. John B. 197 nedy and wounded Gov. John Bself has insisted.

cast.

Connally of Texas. He argues The techniques said Thompthat four bullets were fired and separate bullets wounded Ken son also enable him to detect nedy and Connally, contrary to physical reactions indicating the Warren Commission's find. Kennedy was hit in the head by ings of three bullets, one of two almost simultaneous shots which wounded both men and from opposite directions which snuffed out his life. one of which missed.

**COMMISSION HASTE** 

**3 CONSPIRATORS** 

The author does not speculate "With few exceptions, all the on who was doing the shooting evidence discussed in this study or what their motives were. He was available to the Warren does relate testimony from Commission," wrote the 32-year eyewitnesses, some of whom he old philosophy professor. "But says were never questioned by the commission, in its hast, its Warren Commission investigauncritical evaluation of the tors, that he feels points to facts and its predisposition to more than three conspirators prove Lee Harvey Oswald the including drivers of getaway lone assassin, overlooked much cars and lookouts.

of it." Thompson alleges that two Thompson was an adviser to shots were fired from the depos Life magazine during its investi-itory, one from a nearby build gation of the slaying and was ing and a fourth from behind a one of the few persons to have stockade on a grassy knoll at free access to the Life-owned original copy of the colored movie made by Abraham Za-

Another amateur mout picture of the assassination, made by Orville Nix, was taken opposite from Zapruder's postion. It showed what appeared on enlargement to be a man with a rifle leaning. on the roof of a station wagon behind the fence on the knoll and pointing toward the cavalcade.

A months-long independent study of the film by the Itek Corporation of Lexington Mass., one of the nation's top photographic.laboratories. showed, however, that the "man with the rifle" was simply a blending of shadows of tree branches. The study said it would have been impossible for a gunman to have hit Kennedy from the station wagon shown in the nicture.

Thompson believes the first bullet, which came from a Mannlicher-Carcagno rifle owned by Oswald, was a substandard cartridge which made only a shallow wound in the thinks this bullet was ejected during heart massage and was found on Connally's stretcher at Parkland Hospital because souvenir conscience-stricken hunter abandoned it there.

Thompson quotes expert opinion that the time lapse between the shots that hit Kennedy and Connally was too brief to assign both bullets to the Carcagno.

CHANDLER'S AFFIDAVIT

## Marcello-DA Slot Proposition Aired

Life magazine reporter David L. Chandler has filed an a fidavit in federal court alleging that Dist. Atty. Jim Garriso once told him that Carlos Marcello offered to pay the DA \$1,00 a week to place electronically operated slot machines in New Orleans.

The reporter further charges that Garrison said he was no going to prosecute Marcello, a Jefferson Parish rackets figure, "because there were some friends acting as intermedi-

aries."

The affidavit was filed in connection with his earlier testimony in an appeal aimed at blocking a subpena ordering him to appear before the Orleans Parish Grand Jury.

CHANDLER'S attorney, Cicero C. Sessions, also challenged Garrison in an affidavit, saying that "at no time have I offered to present Chandler in the office of the DA for plantiff's sworn interrogation" in my presence.

Garrison said Thursday that Sessions had indicated in court that he had offered to allow Chandler to testify under oath in the DA's office about organized crime if the reporter was permitted to have counsel present.

"No such offer was ever made," Sessions said in the affidavit.

CHANDLER first alluded to the alleged bribe incident in federal court Wednesday. Garrison denied it, saying that "by now everyone knows my office and knows that the idea of anybody offering a bribe to my office is too ridiculous to even consider."

Chandler's affidavit says the purported bribe came about like this:

"Carlos Marcello wanted to install several hundred electronically operated coin slot machines in restaurants and bars and other businesses in Orleans Parish. He wanted Mr. Garrison's investigators to seize one of the machines but not to damage it, and present it to a particular court where Mr. Marcello said he had made arrangements for the machine to be declared legal. . .

THE AFFIDAVIT continued, saying that when the machines were declared legal they could be operated "without further interference from the district

attorney's office or the police in Orleans Parish, and for this service Mr. Garrison was to receive \$1,000 a week for a year.

Chandler said he subsequently "verified this information from other sources. ..."

The affidavits were filed in federal court yesterday as new evidence in Chandler's attempt to avoid the grand jury subpena.

## Court to Hear Chandler's Jury Motion

A special three-judge court will hear at 9:30 a.m. tomorrow a motion by Life magazine reporter David L. Chandler to reopen the case in which he is fighting an appearance before the Orleans Parish Grand Jury. Yesterday Chandler appeared voluntarily for two hours before the Jefferson Parish Grand

Jury. His attorney, Cicero Sessions, has filed an affidavit in Federal Court charging that Carlos Marcello offered Dist. Atty. Jim Garrison a \$52,000 bribe to present a test slot machine to a "particular court," where "arrangements were made to call it legal."

A supplemental motion to reopen the case was filed yesterday by Sessions to incorporate into the record contents of an alleged memorandum of Charles. R. Ward, first assistant district attorney to Garrison, alleging that Chandler changed his story when he testified last Wednesday in federal court concerning an interview Jan. 27, 1967. The three-judge court has Chandler's original motion to avoid a grand jury appearance under submission. The court is comprised of Circuit Judge Robert A. Almsworth and District Judges Edward J. Boyle and James A. Comiskey.