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C.B.S. STUDY CALLS OSWALD ASSASSIN firing a rifle of the stand age as Oswald's.

Network's 7-Month Inquiry Finds He Shot Kennedy

The Columbia Broadcasting the first to third shots. System announced last night

staff studies indicated that the many frames. first shot fired at President The C. B. S. investigation, Kennedy missed him, that a rifle similar to Oswald's could be fired even faster than the commission reported and that there could have been a longer depository and was on the sixth floor from which shots were commission estimated.

The C.B.S. report was in the first of four broadcasts growing out of the study. The network said it would take up tonight the question whether there had been more than one assassin firing in Dallas, and tomorrow whether there had been a preceding conspiracy.

The commission, headed by Chief Justice Earl Warren, de-cided that the President had been hit by two of three shots, but said the evidence was "inconclusive" as to which shot missed. C.B.S. said Charles Wyckoff, a Massachusetts photo analyst, had found that Abraham Zapruder, Dallas business man, blurred his crucial film of the assassination three times at frames 190, 227 and 318.

Fatal Head Wound

It was at frame 313 that President Kennedy suffered a fatal head wound. Mr. Wyckoff suggested that Mr. Zapruder seemed to have a "natural reaction time" of four or five frames when startled. So he said one shot could have occurred at frame 222 or 223-within the period when the commission believed the President was first hit-and an opening shot could have been fired at frame 186.

The Warren report said President Kennedy "for a fleeting instant" at frame 186 came into the view of an assassin sighting him from the Texas School Book Depository, but would otherwise have been obscured by leaves of an oak tree between frames 166 and 210.

C. B. S. said it had construct-

ed a tower and moving target to match the assassination conditions, and had 11 marksmen firing a rifle of the same make

One got off three shots in as short a time as 4.1 seconds, although with only one hit; another scored three hits in 5.2 seconds. The commission had estimated the bolt-action rifle needed at least 4.6 seconds from

As to the time span, C. B. S. that its seven-month investiga-said it found five similar camtion of questions growing out eras took from 6.16 to 8.35 sec-of the Warren Commission re-onds for a period corresponding port had led it to conclude that to 128 Zapruder frames. The Lee Harvey Oswald did shoot Warren report estimated the President Kennedy on Nov. 22, Zapruder frame operated at 18.3 frames a second which the network said its news would meal 7 seconds for that

fired.