JUDGE WEIGHS USE OF TAPE EXPERTS.

Aides Say Sirica May Hire Technical Consultants— Their Benefit Doubted

By RICHARD D. LYONS

Special to The New York Times WASHINGTON, Oct. Aides to Federal District Judge John J. Sirica said today that he was considering hiring experts to determine the authenticity of the White House tapes.

Some audio specialists said, however, that verification might

be impossible.

Judge Sirica's aides said that the use of technical consultants was only one of many possibil-ities that he had under review in connection with his monitoring of the nine tapes and that he did not believe the White House was deliberately trying to trick him.

A check of audio experts, however, found that they believed it would be almost impossible to detect an expert doctoring job.

"There would be only one chance in a million to detect the work of a very skillful editor," said Mike Randall, a consultant to Syntonic Research, Inc., of New York, which is marketing a record named "The Altered Nixon Speech."

His remarks were echoed by Paul Ginsberg, president of Professional Audio Laboratories of New York, who helped produce for the National Lampoon a similar record called "The Watergate Tapes (Doctored of Course) Starring Richard M. Nixon."

Expert Editing Seen

"Impossible to detect," was the conclusion of Peter Bochan, a sound editor and production engineer who made yet a third version for radio station WBAI in New York.

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The collective conclusion of experts employed by the major producers of magnetic tape and recording instruments, most of whom asked not to be quoted directly, was that for every method of detecting an editing job, there was another method of covering it up. All those questioned assumed that if the tapes had been edited it had been done by an expert who had access to the most sophisticated electronic gadgetry.

The tapes may shed light on President Nixon's role in the events immediately following the break-in of Democratic National headquarters in the Watergate office building here on June 17, 1972.

The tapes, originally subpoened by Archibald Cox, the ousted special Watergate prosecutor, are secret recordings of conversations Mr. Nixon had with four former aides. H.R.

conversations Mr. Nixon had with four former aides, H.R. Haldeman, John D. Ehrlichman, John N. Mitchell and John W. Dean 3d.

Included in the group that Judge Sirica will listen to are recordings made between June 20, 1972; and April 15, 1973, of eight meetings and one telephone conversation phone conversation.

First Word on Tapes

Their existence was disclosed July 16 by Alexander P. Butterfield, a former White House aide, in testimony before the Senate Watergate committee. The question of their authenticity ensued and heightened during the squabble over Mr. Nixon's right to keep the tapes private.

"Yes, in substance he did; I didn't bring it up, he did," the Senator said.

William D. Ruckelshaus, the former Deputy Attorney Gen-eral, urged yesterday that electronic experts examine

tapes.
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"There should be some authentication that the tapes are what they are represented to be," Mr. Ruckelshaus said.

Yet the question of who should do the authentication—should it be sought by either Judge Sirica or another central figure in the tapes controversy—has not been faced.

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Yet the question of who should do the authentication—should it be sought by either Judge Sirica or another central figure in the tapes controversy—has not been faced.

An expert with one of the major recording companies said, "There are not that many experts and many of the few there are work for the Government itself."

Certainty Ruled Out

Tony Schwartz, president of New Sounds, Inc., which makes radio commercials, said on the detection of tampering: "The best any expert can say is 'I feel it's been done,' but none would be able to say 'I know it's been done.'"

Mr. Randal, of Syntonic Research, said the difficulty of detecting tampering was increasing because of the nature of the tape recording process. "The medium of tape became popular because tape itself is so infinitely flexible—you can do anything you want with tape," he said.

In arriving at construction—with a scissors and the severed ends reattached. Other splicing methods use electronic means to erase selected parts of the audio signal on the tape's magnetic field, without physically cutting the tape.

Other words of the same speaker then may be imprinted over the places that have been erased, but specialists agreed that these are generally easy for an expert to detect because the meter and pitch of a person's voice shifts as he talks. The specialists agreed that these are generally easy for an expert to detect because the meter and pitch of a person's voice shifts as he talks. The specialists agreed that these are generally easy for an expert to detect because the meter and pitch of a person's voice shifts as he talks. The specialist said a better words of the saudio signal on the tape's magnetic field, without physically cutting the tape.

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tape editing, the experts whose sound at the splicing points. opinions were sought assumed One expert, said by special-

In an effort at compromising the issue of making the tapes public, Mr. Nixon offered to allow the Mississippi Democrat to listen to the recordings and determine the authenticity of a White He authentic of a White He authenticity of a White He authentic of a Whi tapes public, Mr. Nixon offered to allow the Mississippi Democrat to listen to the recordings and determine the authenticity of a White House summary of their contents.

But Mr. Stennis added that he could not "assume the responsibility that these tapes haven't been tampered with" and would seek "technical advice" if he suspected that the recordings had been altered.

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This works to the advantage

This works to the advantage This works to the advantage of a person seeking to alter such a tape, the experts said, because it helps to mask the editing job, usually the splicing of the tape.

Obvious splices may be seen because the tape has been cut with a scissors and the severed ends reattached. Other

e said.

In arriving at consusions the previous conversation,

about the difficulty of detecting damping the differences in

Senator John C. Stennis said in response to a question last Saturday that Mr. Nixon had assured him that the tapes were authentic.

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"Their point was that if longit done is done expert, said by specialists at competing companies to be the nation's foremost authority on the editing of voices on magnetic tape, put it this way: "If a job of editing a tape Their point was that if long is done very skillfully if would hours of conversations were to be almost impossible to deter-