## Sirica Gets White House Tape Recorders; Panel to

By VICTOR K. McELHENY
Special to The New York Times
WASHINGTON, Nov. 29—
Nine tape machines that were used for recording President Nixon's White House conversations, to which Judge Sirica's court, at the request of inthe ready-reference file of one special waterpate prosecutor's staff.

The machines were not covered in the subpoena of tapes of nine Watergate-related conversations, to which Judge Sirica's court, at the reduction of Judge Sirica's court, at the request of nine Watergate-related conversed in the subpoena of tapes of nine Watergate-related conversed to begin work next week. Tape experts said today that use of the machines that made the recordings would be vital to the panel's work.

Not turned in at the same time were the microphones used to pick up voices in the Oval Office of the White House, the President's office in the Execution for the Execution of the Carlos of the TC 80.0-B is \$279.95.

This ist price and one of the President was in the room, could help in this task, he said.

Every time the voice-actuated was unsuccessful, he said.

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Every time the voice-actuated was intered on and off, professor allesser said, there would be a small "transient" signal to the tape recorders of the TC 80.0-B is \$279.95.

Analysis of the tapes could also show if microphones had been changed or if environmental changes had been made between one recording and another, Professor Blesser said.

Dr. Leo Beranek, one of the founders of Bolt, Beranek & Newman, an acoustical research company, who is now a Boston television executive, said, "There's always background oble, and the president was in the room, could help in this task, he said.

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The poor quality of tapes recorded on these machines "surprised" Alexander P. Butterfield who testified today before Judge Sirica, It was Mr. Butterfield, a former White House eatied who is now director of the Federal Aviation Administration, who disclosed the existence of the White House taping system to the Senate Watergate Committee last July.

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A spokesman for the Water gate prosecutor's staff said the microphones had been omitted from the courtroom request for the tape machines because it was thought better to leave the microphones had been omitted from the courtroom request for the tape machines.

Another question that the experts whether there was any evidence of editing. The fact that the microphones had been of the Mould want each machine to heach in the professor Blesser said, was thought better to leave the microphones had been involved in an effort to develop a recorder that the dev

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spaced microphones for each

spaced microphones for each person, and then cautioning people to speak one a time."

With a single microphone particularly one at 15 to 20 feet from those who are conversing, Mr. Camras said, "you just get a horrible jumble of sounds." Such difficulties are magnified, he said, when the microphones are small and hidden.