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JFK Assassination System
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UNITED STATES GOVERNMENT

Memorandum

SECRET

TO : Director, FBI (80-760) ^(S) ~~CONFIDENTIAL~~ DATE: 10/30/61

FROM : SAC, Tampa (66-231) ~~(S)~~ ~~(U)~~ JUNE

SUBJECT: SANTO TRAFFICANTE, JR., aka AR
Classified by SP8 MAC/KSC
Declassify on: OADR

ReBuairtel 10/11/61, requesting that Tampa Office obtain certain technical information prior to the altering of type 80 telephones for possible SPMT use.

It is noted that this technique is being considered as was suggested by previous Bureau airtel dated 9/26/61 and captioned as above, contained in Bufile 92-2781. Mr. DONALD WITHERS, General Plant Training Supervisor, General Telephone Company of Florida, furnished information included in the following:

The General Telephone Company of Florida does not generally use the tip and ring party type of ringing on party lines. They use bridged ringing with harmonic ringers using some or all of the below-listed frequencies:

- 16.6-cycle harmonic
- 20-cycle harmonic or decimonic
- 25-cycle harmonic
- 30-cycle harmonic or decimonic
- 33.3-cycle harmonic
- 40-cycle decimonic
- 42-cycle harmonic
- 50-cycle harmonic only
- 50-cycle decimonic
- 54-cycle harmonic
- 60-cycle decimonic
- 66-cycle harmonic
- 66-6-cycle harmonic

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 10-26-95 BY SP8 MAC/KSC

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
EXCEPT WHERE SHOWN
OTHERWISE

192-2781 -
NOT RECORDED
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Plus On party lines having more than five parties, divided and tip ringing and divided ring ringing could be used. This, however, would not be the situation on the four-party or private line, as would be encountered in this instance. It is the opinion

No reply necessary pending results of tests set forth on Page 3

- 2 Bureau (RM)
- 1 Tampa
- EMP-KH
- (3)

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9/2/98
(JFK)

TP [66-231] (S)(U)

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SECRET

of Mr. WITHERS that a 3,000-ohm resistor across the subscriber's line would possibly tend to change the ringer frequency causing possible failure to ring or an alteration of the sound of the bell due to the lack of full ringing current.

The "Line Compensating Rheostat" in the manually adjusted loop compensator circuit would normally be set at 0 on a long cable loop such as in the telephone installation serving the subscriber in this case. With the "loop compensator" set at zero, the 400-ohm resistor is in effect shorted out. When set in this zero position it is noted that the switch element of the "loop compensator" adds a capacitor and resistor to the sidetone balancing impedance to more nearly match the capacitive impedance of the long cable loop. In installations where it is desirable to set the compensating rheostat at zero but where the sidetone balancing network is not desired in the circuit, it is the practice to set the "loop compensator" just off zero where the 400-ohm resistance would be shorted out but just short of the point where the switch connects the sidetone balancing network. It is felt that a short could be placed across the "400-ohm resistor of the loop compensator" to prevent the rheostat from developing an open or becoming noisy without effecting the operation of the instrument. The sidetone balancing network could then be either, in the circuit if the "loop compensator" is set at zero, or out of the circuit on any other setting. On a party line this would also apply as "loop compensators" are set without regard for other telephones in the circuit. The loop compensation rheostat should be set in such a position as to cause 60 milliamperes of current to flow in the line.

Mr. WITHERS has advised that in his opinion a 3,000-ohm resistance across the subscriber's line could cause an echo effect and would make a noticeable difference in transmission level. It could possibly cause central office equipment to reject the line indicating a trouble condition.

A Vincent Rare Gas Relay is sometimes used across a subscriber's line to eliminate interference from nearby power lines. It is not believed that this will have any effect upon an [SPMT] installation. (S)(U)

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Telephone service is presently being installed in the home of subscriber JOE DIEZ, where the altered telephone using the 3,000-ohm resistor would be used. The actual loop resistance of this line is being measured and a simulated circuit will be set up to test theories described above. The Bureau will be advised of the result of these tests.

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~~CONFIDENTIAL~~