



# ***Exploding The Phone***

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Bibliographic Cover Sheet

Title	<b>Blue Box Investigation: Ring-up and Connect Circuits</b>
Date	1972-11-02
Author(s)	Cheney, Bill
Abstract	Memo regarding "ring-up and connect" circuit for monitoring lines suspected of toll fraud.
Keywords	Ring-up and connect; TTS-176
Source	Anonymous

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BLUE BOX INVESTIGATION: Ring-up and Connect Circuits

Pasadena, November 2, 1972

MEMORANDUM: *TR*

A ring-up and connect circuit is a piece of equipment that measures approximately 16-inches by 8-inches. It must be installed in the same central office that serves a suspected blue box user. One side of the ring-up and connect circuit is connected to a locally assigned telephone number, the other side of the RU & C circuit is attached to a suspected blue box user's telephone line. This circuit can only be used in conjunction with an operator toll trunk (Repeat Supervision Trunk). With an RST trunk that originates from the lab and is served from Alhambra Cross-Bar Tandem (8T). We dial the telephone number that is assigned to the ring-up and connect circuit that is also attached to the suspect's telephone line. This connection would remain in this condition for as long as that suspect was under surveillance.

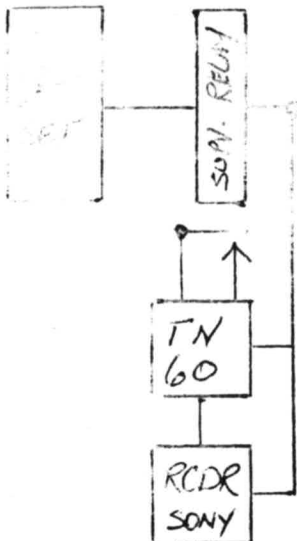
Functional description

1. With the suspect's telephone on-hook, the RST trunk in the lab recognizes this, and all of the equipment remains static, TN-60, tape recorder, etc.
2. When the suspect goes off-hook, that off-hook supervision is repeated back to the lab and gives this indication to the TN-60. At the instant the suspect goes off-hook the ring-up and connect circuit cuts through toward the lab, establishing one way transmission, suspect to lab.
3. As the suspect dials his telephone, the dial pulses, except touch tone, will not be repeated back to the lab. If 2600 cycles followed by KP tones are detected by the TN-60, it will activate the timer which turns on the tape recorder.
4. If a record of dial pulses is desired it will be necessary to install a TTS-176 in the local central office.
5. When the suspect goes back on-hook, the transmission path is opened toward the lab in the ring-up and connect circuit, this releases all of the equipment in the lab and everything restores to normal, to its original static condition.

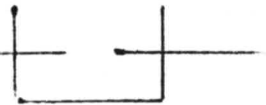
*T. B. Clancy*  
Special Agent

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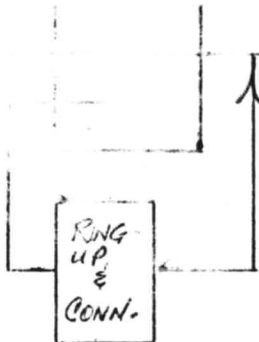


TANDUM  
OFFICE  
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RJ1

LOCAL  
C.O.



W. H. HAWKEY