

DATE: 11-14-2017

JFK Assassination System  
Identification Form

Date: 5/28/201

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Agency Information

AGENCY : FBI  
RECORD NUMBER : 124-10283-10070  
RECORD SERIES : HQ  
AGENCY FILE NUMBER : 92-2914-73

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Document Information

ORIGINATOR : FBI  
FROM : DIRECTOR, FBI  
TO : SAC, PG  
TITLE :  
DATE : 12/19/1960  
PAGES : 2  
SUBJECTS :  
GM, RES, FEASIBILITY SURVEY, MISUR  
DOCUMENT TYPE : PAPER, TEXTUAL DOCUMENT  
CLASSIFICATION : Unclassified  
RESTRICTIONS : 1B  
CURRENT STATUS : Redact  
DATE OF LAST REVIEW : 05/15/1998  
OPENING CRITERIA : INDEFINITE  
COMMENTS :

SAC, Pittsburgh (92-236-Sub 2)

December 19, 1960

Director, FBI (92-2914)

JUNE

GABRIEL MANNARINO, aka  
AR

Pittsburgh letter dated 12-28-59, requested Bureau authority to make a survey to determine the feasibility of establishing a MISUR at a cottage owned by subject. On 12-31-59, the Bureau granted authority and the results of the survey were recorded in Pittsburgh letter dated 1-25-60. The survey reflected that the only feasible means of establishing MISUR coverage at that time was to use radio-microphone techniques. By letter dated 2-1-60, the Bureau observed that a radio-microphone might be feasible in this instance, but pointed out that such equipment as was then available to the Laboratory had a relatively short life and would not be suitable in an installation where long life was required. In subsequent correspondence, possible alternative means of obtaining coverage were considered and ruled out because of technical and physical limitations.

In view of the above, Pittsburgh will be interested to know that, subsequent to the above communications, the Laboratory has developed and constructed a completely transistorized battery (or AC) powered miniature transmitter (known as the MUTT transmitter) together with appropriate receiving equipment. This equipment is now ready for field use. It is relatively immune to the weaknesses of older equipment (as described in Bulet dated 2-1-60) and, therefore, is suitable for use in a radio-microphone installation such as originally proposed by Pittsburgh.

The transmission system consists of one or more variable reluctance microphones (approximately 7/32" by 12/32" by 19/32") and a MUTT transmitter (approximately 9/16" by 1 13/16" by 3 1/4"). The transmitter can be powered by one or more small batteries or by means of a transistorized 117 volt AC power supply (approximately 11/16" by 1 1/2" by 3 1/2"). The receiving equipment consists of either a highly portable battery powered receiver or a slightly less portable 117 volt AC powered receiver. The range of the MUTT transmitter varies with transmission and reception conditions, but is known to be as high as 1/2 mile under ideal conditions. Life of readily concealable battery supply is approximately six days.

1 - Mr. Leggett, Room 4712

CTA:pcc (7)

- Tolson \_\_\_\_\_
- Mohr \_\_\_\_\_
- Parsons \_\_\_\_\_
- Belmont \_\_\_\_\_
- Callahan \_\_\_\_\_
- DeLoach \_\_\_\_\_
- Malone \_\_\_\_\_
- McGuire \_\_\_\_\_
- Rosen \_\_\_\_\_
- Tamm \_\_\_\_\_
- Trotter \_\_\_\_\_
- W.C. Sullivan \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Ingram \_\_\_\_\_
- Gandy \_\_\_\_\_

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