

Clandestine Transmitters  
September 1942

Classification:  
Eyes Only

## 1 Background

It has been brought to the attention of the director that clandestine transmitters have been detected in Johnson County in an area around the Kent Park. It is believed that these transmitters are being operated by agents of the German Abwehr that have infiltrated the area.

It is believed that some of the stations are broadcasting using encoded conversational texts. These stations appear to all be operating on one frequency and time multiplexing their broadcasts.

Other stations are sending message traffic at varying word rates and appears, on the surface, to contain simple conversations. We believe the message content is updated on a regular basis after dark when the park is closed, and therefore uninhabited. These transmitters are to be located and their positions reported but otherwise are to be left undisturbed and operating so as not to alert the station operators that their locations have been detected.

At least one additional low power transmitter may be operating as a numbers station to provide Command & Control over field agents. This station is managed in much the same manner as the other clandestine transmitters, having their message content updated when the park is uninhabited. The same discovery protocol is to be used with these, leaving them undisturbed.

The transmitters may have poor frequency control causing operation slightly off frequency. This may have some unknown purpose or this may simply be equipment that is not properly adjusted. Please note issues with the signal quality on your log sheet.

## 2 Assignment

Your assignment is to locate these transmitters, marking them on the supplied map, and recording any identifying serial numbers that can be found on the transmitter. It is vital that they be left undisturbed so as not to warn the operators that they have been discovered.

Include any other pertinent information on the log sheet to assist our field agents in locating the transmitter, such as the message being sent.

There is a limited time window in which you can conduct operations without

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compromising the confidentiality of your effort. Your window is between 10:00 hours and 11:00 hours local time. Any transmitters not located within this window will be reacquired at the next available opportunity.

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Known Operating Frequencies:

These frequencies are current best estimates.  
The station transmitting frequency may drift due to equipment aging, poor setup or operator error.

Frequency	ID Marking	Comments
144.250		
144.285		
144.305		
146.565		

April 24, 2020

**FOX TRANSMITTER      W0JV/13**  
**Nickname: FOX13 144.250 MHz 102\_73176\_0.**  
**ID: 454695      Power 33.0mW Ref Xtal:20.000**  
**Valid 7 days from Fri Apr 3 14:22:48 2020**  
**Iowa City Amateur Radio Club**  
**Hickory Hill Park FOX HUNT**  
**Event Validation Code: 4M4HC06J**

Example Identification marking.

Record the 6 digit *ID* number if it can be found on the clandestine transmitter.

**FOX TRANSMITTER                      W0JV/13**  
**Nickname: FOX13 144.250 MHz 102\_73176\_0.**  
**ID: 454695                      Power 33.0mW Ref Xtal:20.000**  
**Valid 7 days from Fri Apr 3 14:22:48 2020**  
**Iowa City Amateur Radio Club**  
**Hickory Hill Park FOX HUNT**  
**Event Validation Code: 4M4HCO6J**

Example Identification marking with *ID*: value.

Record the 6 digit *ID* number if it can be found on the clandestine transmitter.

Programs

Number	length	WPM	Comments
S1=	170	15	
S2=	131	35	
S3=	172	25	
S4=	181	35..15	
S5=	390	25	Numbers Station
S6=	349	35..10	New Frequency 145.920
S7=	349	35..10	New Frequency 144.775
S8=	288	20	Frequency Jumping
S9=	534	20	ARRL Message

The *clandestine* station is just that. No identification.

Station FOX1 144.620

Enable	Number	Period	Offset	Comments
Y	S1=	10:00	00:30	
Y	S2=	10:00	03:20	
Y	S3=	10:00	05:00	
Y	S4=	10:00	07:30	
N	S5=			
N	S9=			

Station FOX2 144.305/

Enable	Number	Period	Offset	Comments
N	S1=	10:00	01:30	
Y	S2=	10:00	04:20	
Y	S3=	10:00	06:00	
Y	S4=	10:00	08:30	
N	S5=			
N	S6=			
N	S7=			
N	S8=			
Y	S9=	10:00	00:30	