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INFORMATION REPORT

168549

COUNTRY VOUSA Russian Broadcasts

DATE DISTR. 16 March 1948

SUBJECT Observation of Jamming

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PLACE ACQUIRED FOIAb3b

NO. OF ENCLS. (LISTED BELOW)

DATE ACQUIRED 11 March 1948

SUPPLEMENT TO REPORT NO. 00-1-36

GRADING OF SOURCE						COLLECTOR'S PRELIMINARY GRADING OF CONTENT					
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SOURCE FOIAb3b

1. Pursuing initial observations (reported in OC-F-48 #163260) which seemed to indicate deliberate jamming of VOUSA broadcasts in Russian to the Far East, observations of all transmitters carrying this broadcast were made for seven days during the period 1 - 7 March 1948.

2. All audible frequencies of VOUSA were found to be jammed severely during this period (daily 06:00-06:30 EST) with one exception: on 1 March, when VOUSA seasonal frequency changes became effective, the two added channels of 15250 and 15130 kilocycles were clear at 06:00, while the two discontinued frequencies of 6060 and 6130 kilocycles were still jammed as on preceding days; one jammer traced 15250 kilocycles late and interfered with the closing portion of the broadcast, and on all succeeding days 15250 (Honolulu) was effectively jammed. Owing to poor propagational conditions, 15130 kilocycles (California) was mostly inaudible and not jammed; but on the days it was audible, it was promptly and effectively jammed.

3. The full intensity of all interfering signals begins at 05:57/06:00 and abates at 06:30/06:33 EST. Most of the jammers are also heard intermittently at reduced power tuning up on VOUSA frequencies prior to this hour. Closing down all elements of the jamming signals seems to require from one to ten minutes after 06:30.

4. Interference of similar character has been observed at the same time on a few varying additional frequencies not used by VOUSA but near to those in use. They are believed to be spurious radiations of the jamming equipment.

5. The interference experienced on each channel is invariably complex: one, two or three strong unmodulated carrier waves, some rather unstable, are usually basic; added then is a steady wideband low frequency buzz or hash and generally one or more swinging oscillators of two types, (1) ranging 5 to 10 kilocycles, and (2) ranging less than 100 cycles per second. A strong stable carrier with AM modulation, occasional Morse signals, and several less describable noises have also been observed.

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6. Unidirectional antennas adequate to fix the direction of the jamming sources are not available at this post, but existing facilities yield intense interference when oriented to the north and south quadrants, and moderate interference when oriented to the east and west quadrants.

7. No other nation is known to be using any combination of frequencies resembling the VOUSA schedule to the Far East at that hour.

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