

SECRET

Administrative Registry

1-7579

CENTRAL INTELLIGENCE AGENCY  
OFFICE OF SCIENTIFIC INTELLIGENCE

20 April 1951

SCIENTIFIC INTELLIGENCE MEMORANDUM, 51-4

SUBJECT: Employment of Ultrasonic Waves as a Method of  
Unconventional Attack

1. The ICIS Subcommittee on Defense Against Unconventional Attack has requested an evaluation of the possible employment of ultrasonic waves by the USSR as a method of unconventional attack.

2. By means of electronic devices, it is possible to produce ultrasonic waves which would be inaudible but unbearable to humans, and reasonably successful experiments have been conducted on animals in both the USSR and the United States. However, the present equipment is unduly bulky and must be operated too close to the intended victim to be a practical method of unconventional attack. It is most unlikely that the fundamental physical limitations on producing high sound fields in air by means of electronic devices can be overcome within the next five years to permit development of equipment suitable for unconventional attack.

3. Therefore, employment of ultrasonic waves by the USSR in an attack upon the United States between now and 1956 is considered highly improbable.

SECRET

ROUTING AND RECORD SHEET

INSTRUCTIONS: Officer designations should be used in the "To" column. Under each comment a line should be drawn across sheet and each comment numbered to correspond with the number in the "To" column. Each officer should initial (Check mark insufficient) before further routing. This Record and Routing Sheet should be returned to Registry.

FROM:

*AD/SI*

NO.

*SIM 51-4*

DATE

*23 APR 51*

TO	ROOM NO.	DATE		OFFICER'S INITIALS	COMMENTS
		REC'D	FWD'D		
1. <i>AD CT</i>					<i>Noted by D/DCI</i> <i>B</i>
2. <i>EP - file</i>					
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