

INTELL

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY USSR (Moscow Oblast)
SUBJECT Additional Information on Missile Research at Putilovo
DATE OF INFO.
PLACE ACQUIRED

REPORT
DATE DISTR. 8 January 1954
NO. OF PAGES 3 50X1-HUM
REQUIREMENT NO. RD
REFERENCES 50X1

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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(Note: Washington Distribution Indicated by "X"; Field Distribution by "#")

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REPORT

[Redacted]

[Redacted]

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COUNTRY : USSR (Moscow Oblast)

DATE DISTR. 25 Nov 53

SUBJECT : Additional Information on Missile Research at Putilovo

NO. OF PAGES 2

PLACE ACQUIRED : [Redacted]

NO. OF ENCLS. (LISTED BELOW) 50X1-HUM

DATE ACQUIRED [Redacted]

SUPPLEMENT TO REPORT NO.

DATE OF INFORMATION : [Redacted]

THIS IS UNEVALUATED INFORMATION

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[Large Redacted Block]

1.

The missile in question is the A4. About 20 of these were made by me at Putilovo. I did not assist at the firing of these rockets [Redacted]

[Redacted] The target error was greater, however, than I had predicted. I had hoped for the shots to be contained inside a circle of 5 km. radius. I do not know what the actual errors in range and azimuth amounted to. I think that better target accuracy can be achieved only by accurate control of burning time of the athodyd. For this purpose I am now working on a simple form of accelerometer which can be included in the fuel system and will cut off the fuel supply when a definite missile speed has been reached. [Details not yet available.]

2.

I think that normal (rifled) guns of suitable caliber will be used. From conversation with visiting Soviet civilians (who were probably naval officers), I gathered that calibers 38 cm., 30.5 to 28 cm. were of interest. I myself fired over 200 missiles of this type (but of smaller caliber-15 cm.) while in the USSR (so-called E series). [Redacted]

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[Redacted]

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A series of 20 larger missiles (28-cm. caliber) were made [redacted] but I do not know what the Soviets did with them; I gathered they were fired and that a range of over 300 km. was reached.

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3.



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During the test of the so-called E series [redacted] at least four conferences took place at Putilovo. All the Soviet members of these conferences wore civilian dress, but judging from their conversation and familiarity with naval problems, I am of the opinion that several members were naval officers.

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4.



I believe that Putilovo was not the center of ballistic or athodyd research in the USSR. One of the reasons for my belief is the poorness and paucity of equipment. It is true that toward the end of my stay, a new building was put up to house the supersonic windtunnel. Although I superintended the erection of this tunnel and carried out some preliminary tests, I subsequently had no access to this building which was manned entirely by Soviets. I do not think that this building was ever likely to become a research center. I gathered on the other hand from conversation with DAVICHER, SUDAKOV and KRACHIN that there already existed a Central Institute of Munitions which dealt with such problems. I do not know the location of this institute nor did this or any other institute participate [redacted]

[redacted] I attended a conference at the research institute known as ZIAM /Object 735, K 11/12 German Military Plan of Moscow, Special edition VI/417.

5.



Machine Gun Flak, 2, 3.75 and 6 cm. caliber. The latter has very high Vo (1000 m/sec, estimated from light trace). The 2 cm. gun is arranged in arrays of four or six guns, while the larger caliber are of the twin type, with rates of fire of the order of 120/min. I have seen and heard these guns in operation at Putilovo.

I am of the opinion that the Soviets showed interest in the rocket-assisted shells of 3.75, 6 and 8 cm. caliber developed by AULER/REG-147. These are fired from normal rifled guns and are fitted with contact fuses.

I believe that the Soviets will develop the athodyd shell as the best defense.

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