

CO: E. K. Wheat

October 5, 1949

TO: W. A. Best (2)
S. W. Fisher (2)

FROM: P. H. Eccleston

SUBJECT: SHOOTER VARIATION TEST

In December 1948, a test was made to determine the individual characteristics of targeters with respect to point-of-impact. It was found that a wide variation in point-of-impact existed between targeters when shooting the same gun. As a result of this information an individual specification for point-of-impact was established for each targeter.

Since it is quite possible that targeters may optically vary from time-to-time, it appears advisable to recheck on the individual characteristics and re-establish specifications accordingly. The following test is designed for this purpose.

Scope of Test

1. All high power rifle targeters and bore sighters to participate in test.
2. Gun M/721 - 30/06 Cal.
3. Gun M/722 - .257 Cal.
4. Test to be extended over 5 days

Procedure

1. Select test guns (good groupers).
2. Use standard range ammunition.

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Procedure (cont'd)

3. Clean and wire brush guns before each target.
4. Shoot one warmer shot off target.
5. Each shooter to shoot one 5 shot target each gun at the beginning and end of the shift.
6. Targets to be retained and identified as to date, beginning or end of shift, caliber and shooter.


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PHE/ml