

CG; R. 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 N/721 - 30/06 Cal.
3. Gun N/722 - .257 Cal.
4. Test to be extended over 5 days

#### Procedure

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

W. A. Best  
S. W. Fisher

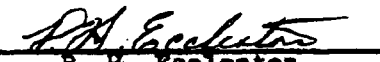
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Procedure (cont'd)

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.

  
P. H. Eccleston  
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PHE/ml