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September 27, 1963

Mr. R. F. Vigue
145 Water Street
Waterville, Maine

Dear Mr. Vigue:

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Mr. Alvis has asked me to answer your interesting letter pertaining to the combination of scopes and XP-100 Pistols when used at long ranges.

The XP-100 is very accurate up to approximately 500 yds., after which the velocity drops off considerably and larger dispersion of the target might result. However, I can relate to you some of my experiences and those of others which I hope will enlighten you as to what we have found in using this pistol at long ranges.

Hunting-wise, kills have been made up to 300 yds. on jackrabbits, coyotes and prairie dogs. There have been immediate kills on larger game such as mule deer, Brama bulls, bobcats, etc. at around 100 yds.. As far as penetration is concerned we have penetrated an army steel helmet with a varmint bullet, 55 grains in weight, at 300 yds.. The best group size seen between 300 and 400 yds. was 5 shots in 12". However, one of my shooters and I put on a demonstration for some military personnel at the Aberdeen Proving Ground wherein we were able to hit consecutively 5 man size bobbing targets at a quarter mile. That is using the Pistol with a 1.3 power Bushnell scope and a bench rest. Several lucky shots with open sights and offhand also produced hits at one quarter mile, but these were necessarily controlled by good judgment, trajectory, flipping gun, etc..

There have been reports from various shooters of 5-shot groups under one half inch at 100 yards, and I think there are two who have claimed groups at .430" and .470" extreme spread at this range.

At the present time I believe Redfield is the only company making a long eye relief high power telescope for pistol shooting. I believe it is a converted rifle scope for long eye relief. Certainly more power in the scope itself will provide better accuracy at the long ranges, if you so desire to experiment with this combination.

Mr. R. F. Vigue

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The best groups that we have fired here at Remington are in the range of one half inch at 100 yds. with factory ammunition. Those that I mentioned previously were with hand loads and hand made bullets. We are quite proud of the fact that our factory bullets are shooting with such wonderful performance.

We plan to conduct further experiments in accuracy at long ranges at a later date when our new range facilities are in order, and I will be glad to correspond with you later on as to the results. If we can be of further help, please advise.

Very truly yours,



W. E. Leek

Manager - Firearms Design & Development
Illon Research Division

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