

- There is some indication the accuracy in the Model 700 and 742 is not reproducible. Subsequent testing of the same rifles produces different results. This is believed due to build up of gilding metal at the lead angle in the grooves. This has not been observed in Bridgeport Ballistic unit testing of ammunition, presumably because of cleaning of their barrels between tests.
- Tests of Remington manufactured 243 (100 grain bullets) ammunition in Model 700's with 10" twist produced accuracy equivalent to 6MM. Two of six rifles met a 2 inch specification and five of the six a 2½ inch specification. Winchester manufactured 243 (100 grain bullets) ammunition in Model 700 rifles with 10" twist had much poorer accuracy. None of six rifles met a 2 inch specification and one of the six a 2½ inch specification.

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No information is available on the accuracy of Winchester and Remington manufactured 243 (100 grain) ammunition in a Winchester rifle for lack of rifles to test. These are being procured by Research.

Research believes improvements both in the ammunition to reduce gilding metal fouling and other improvements for accuracy and in the rifle to improve its inherent accuracy with this caliber can be accomplished within four months through the mutual cooperation between Bridgeport and Ilion.

The Committee concluded from the discussion that our announcement of the rifles and ammunition commits us to market them, if possible. Though the Model 700 does not have varmint accuracy with the 100 grain hunting weight bullet, it will meet a hunting weight accuracy with some difficulty. The Model 742 will also meet the hunting weight accuracy with difficulty. The Committee agreed upon the following program:

- Market the caliber 6MM Model 700, Model 742, and ammunition.
- Select the best Model 700 and 742 rifles and ship to the writers. Though no commitment for varmint accuracy has been made, the writers will be made aware the rifle and ammunition are designed for hunting accuracy.
- Begin shipment of Model 742's and selected Model 700's which will meet a 2½ inch specification. For the present, the accuracy specification for both rifles will be 2½ inches though the ultimate goal for the Model 700 is to meet a 2 inch specification.