



REMINGTON ARMS COMPANY, INC.
LONOKE, ARKANSAS

JUNE 25, 1992

TO: T. C. DOUGLAS
FROM: E. I. HERRING, III *E. I. Herring*
SUBJECT: MONTHLY REPORT - JUNE, 1992

o Travel - Attended the SAAMI Technical Committee meetings in Alton, Illinois. During the meetings, the following new cartridges were announced:

Winchester - 10mm Auto 200 SXT (Supreme Expansion Talon) with a velocity of 985 ft/s and a Max. Average Pressure of 37500 psi.

Blount (CCI) - 41 Action Express 180 PHP (Plated Hollow Point) with a velocity of 1000 ft/s and a Max. Average Pressure of 35000 psi.

Blount (CCI) - 50 Action Express 325 PHP with a velocity of 1400 ft/s and a Max. Average Pressure of 35000 psi.

The Technical Committee recommended that the term Dram Equivalent not be associated with steel shot loads. Since steel shot loads were never made using black powder, it is not technically correct to use Dram Equivalent in this manner. The current use of the term Max. is just as incorrect as using a numerical value. The Technical Committee plans to develop a meaningful system which will adequately define the velocity or energy level of steel shot loads.

o Reviewed SAAMI/ANSI Voluntary Industry Performance Standard for Rimfire, and submitted list of corrections to the SAAMI office.

o The Centerfire Rifle Propellant Powder Relative Quickness Test has been completed. This test evaluated the various centerfire rifle powders with a constant charge weight of 30.0 grains in the 30-30 Win 150 SPCL cartridge. The powders were then ranked according to the pressure level observed in testing. With the aid of this chart, propellant powders can be compared on the same scale, thus allowing some degree of equivalency to be determined.

o New lots of SAAMI Reference Ammunition have been approved for the 7mm Rem Magnum and 35 Remington cartridges. One box samples have been sent out to the member companies for assessment determination.

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- o Biodegradable Wad Status:
Bio Wads - No evidence of degradation after eleven months' exposure.
Mortile TVL-50 - These samples that are exposed to sunlight continue to develop stress cracks and are very brittle. Indoor control sample has not changed.
Samples of a polymer which will dissolve in water within two years have been ordered from Polymer Chemistry Innovations, Inc. of State College, PA. They claim fishing line (Stren take note!) and soft drink bottles will disappear in two years.
- o Representatives from Olin Powder Operations visited the plant on 6/18/92 to review the Olin TQM survey and to go over any propellant problems. Olin will submit one drum samples of WC-295S and WPR-289 powders for evaluation on the loading machines.
- o A 338 Win Mag Universal Receiver test barrel was ordered from H-S Precision to compare it against the 338 WM GFM test barrels from Ilion. Barrels from both sources exhibit higher-than-desired positive corrections on both velocity and pressure.
Remington GFM - +60 ft/s velocity and +3100 psi pressure.
H-S Precision - +29 ft/s velocity and +4400 psi pressure.