

RESEARCH DEPARTMENT

FOURTH QUARTER PROGRESS REPORT - 1981

REMINGTON ARMS CO.  
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FIREARMS RESEARCH DIVISION

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RESEARCH AND DEVELOPMENT  
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Highlights

<u>Ammunition</u>	<u>Page</u>
• A fully instrumented test at Pencader Plant producing 12 ga. extrudate was just conducted as part of the polymer Process and Body Cutoff Study. A similar test is to be conducted at Bridgeport after some analysis of the data has been performed.	1
• A primer basics program analysis of Federal primers indicated the frequency of piercing higher than thought earlier. Federal pierced primers are less likely to leak and therefore piercing is not evident. Anvil rigidity is the suspected difference.	2
• Ilion gallery testing of 97,500 12 ga. promotional rounds primed with the integral anvil battery cup has been completed with no misfires experienced.	3
• An experimental AH&P run of 8 ga. plastic basewad industrial shells was successful based on gaging and head pull specifications. Product acceptance tests of Plant loads are presently underway.	4
• A second Extended Range Center Fire cartridge, the 223 Rem 55 gr. PSPBT, has been experimentally loaded with satisfactory results.	5
• Trial and pilot production acceptance tests of the "Viper" rim fire have been completed with satisfactory results. Production startup is planned for February, 1982.	5