

"Economic information will be available in September, and a plan recommendation would follow--year-end or earlier.

"The other shotshell program I'd like to highlight is mechanization of primer assembly. I might point out that a considerable amount of engineering work has been done in the past on this program and a preferred process and equipment plan had been identified to reduce primer cost and improve quality. That plan is summarized in Chart XXIV. The key to this plan, however, was the integral anvil battery cup component which did not materialize according to schedule and, as a result, further machine development work toward mechanization was postponed about a year ago.

"New machinery will be installed shortly to begin producing integral anvil battery cups. It is now appropriate to reestablish the mechanization program, coordinating our efforts very closely with the product developers. 83

"Chart XXV shows the program plan with goal completion dates. A plan recommendation, based on the current projected level of support, would occur at the end of next year.

"We expect to work on progressive shell draw development. As a result of the center fire modernization study, development opportunities were identified in the bullet jacket and shell manufacturing operations. A Research program was approved to develop a new process with the objective of providing the basic data to modernize that entire draw area.

"Our goal: cup to final draw length in one machine. We expect to accomplish this with special progressive tooling and appropriate peripheral equipment.

"Some expected benefits from this development are:

- Eliminate interdraw anneals
- Improve product quality
- Reduce machines (79 to less than 20)
- Reduce noise and energy use

"The program plans are shown in Chart XXVI. Feasibility demonstration for two calibers (30-06 and .357 magnum) is March, 1981. The data base for additional calibers will be completed in September, 1981.

"Last (Chart XXVII) is a very brief outline of activities planned for rim fire specialty products. In the past we have been unsuccessful in attempts to identify an effective equipment plan to significantly reduce the cost of manufacturing