

feeding and functioning, and have a stronger type action, capable of handling high pressure loads equivalent to the Model 700. The family will also provide Remington a center fire lever action rifle capable of handling caliber 30-06.

The Chairman also asked about the economics of this family of rifles. Research replied that economics are being developed now. These will be based on conventional processing of receiver and cold forming of barrels. Comparison of receiver cost with those obtainable through development of a new receiver process may indicate the desirability of timing production of these rifles with the availability of a new receiver process.

The Committee concurred that the economics being developed as defined should be completed.

#### XP-100 A AUTOLOADING PISTOL

Research and Development displayed a 10 shot semi-automatic model of the XP-100 A. They reported that testing of the model, which may have good military potential, is proceeding satisfactorily.

#### RIM FIRE RIFLES

##### XR-5 LOW COST SINGLE SHOT RIM FIRE RIFLE

The Research and Development Department reported on the high spot economics of the alternatives requested by the Committee to assist in determining the style of the rolling block rifle on which model work should proceed. The economics comparing the sale of 45,000 rolling block rifles with 28,000 Model 514 rifles, both selling at \$20.95 retail, is shown in Table III attached. The alternatives considered for the rolling block rifle were: a straight, frontier type butt stock and separate fore-end; a modern type butt stock with pistol grip and grip cap and separate fore-end; a long stock per current Nylon production. Both the butt stock and fore-end of the first two alternatives would be molded in one piece without need for welding two halves together.

The economics indicate that the product cost and operative earnings of either a full back or out-of-pocket basis is better than the current Model 514. The two butt stock and fore-end alternatives are essentially the same and both are economically superior to the long stock alternative. The indicated payout period to recover the Total Project Funds Required range from two to three and one-half years as indicated.

The effect of volume and polymer material for the stock on the operative earnings and return are shown in Figure 1. The data are equally applicable to either of the two separate butt stock and fore-end alternatives. The upper curve is based on "Delrin" acetal