

"Our final commitment for the 1980/1981 period is definition of a materials cost reduction program. By the end of this year, we will have completed our survey of opportunities, reviewed the results with management, and selected for 1981 Research investigation those areas of greatest cost reduction potential.

"Our third category of Research programs is 'New Initiatives' (Chart XV). This category represents those areas where effort is currently investigative and technical definition is insufficient to justify consideration of a major commitment of resources. Some of these programs will undoubtedly prove to be worthy of more extensive Research effort in the future. Items that fall into this category include: A 1-1/8 oz. 3" rifled slug load, an improved electric primer for the 21MM Seismic shell, a degradable wad, a 160 gr. 7mm-08 bullet, participation in the center fire modernization program, extension of 1024 mix into the rim fire and center fire product lines, reduction of center fire muzzle flash, development of a high performance center fire ammunition/gun system, improvement of center fire primer performance, a new design spatterless rim fire bullet to permit autoloading of the cartridge, and use of the rim fire match bullet profile in 22 caliber standard velocity ammunition. As new areas of interest or potential are identified, each will be added to this list, and if justified, will ultimately become a part of the Research Department commitments.

"In summary, the Ammunition Research Program has been well planned and commitments will be met. For the 1980/1981 period, our objectives are well established and balanced between product and process development. This work will be supported by a coordinated machine development effort."

#### AMMUNITION EQUIPMENT DEVELOPMENT

P. S. Hebert presented the following discussion of the Ammunition Equipment Development plan for 1980 and 1981:

"My presentation will focus on the equipment development plan for ammunition, covering the period 1980 and 1981.

"The objective is to provide an overview of programs, reserving details for future meetings.

"I'll begin with a brief review of our resources and how they are applied, followed by an overview of our Machine Development programs and selected highlights, and finally a short summary.