

- **Miscellaneous Activities**

1. Provided technical guidance on the Aluminum Shotgun Receiver project. This included coordinating Brian Rage's effort aimed at generating receiver designs to reduce stress levels to acceptable levels and at the same time meet reasonable aesthetic requirements.
2. Provided technical guidance on NAS activities aimed at improving the recoil jack. This activity is still on going. Primary focus is to lower recoil forces transmitted to gun components (primarily the stock) and to get better agreement in functional performance between the jack and the shoulder. Currently reviewing force data from a lightened version of the NAS jack proposed by Brian Rages.
3. Assisting Ilion (Jim Hennings) in developing procedures to implement a recoil jack maintenance program. Jim has tentative plans to visit E-town the end of August.
4. Coordinated activities of Test Lab and CAD/Analysis group in support of 2001 Budget activities.
5. Attended a meeting on July 31st with Findlay, OH Target Plant personnel to discuss a program aimed at improving Remington's clay target.

- **Direct Conversion Steel Shot Project**

1. Representatives from Wheelabrator visited E-town on July 26th. Serge Parent, Sales & Marketing Manager of Canadian Operations and Philippe Artru, Corporate Technical Director from France were here along with Maurie McCally, our local Sales representative. They brought samples with them that looked encouraging from a shape standpoint. Jim Urbon mounted some of the samples and the interiors showed considerably less voids than the Metaltec samples. Wheelabrator now seems very interested in developing this product. They will now concentrate on the hardness requirement. We expect samples by mid Sept. with various heat treat processes. This meeting was the most encouraging event to date since investigating this technology.
2. Remington anneal experiments on Metaltec shot have been received from AP Southridge heat treaters. Jim Urbon has these samples and has the first set mounted and awaiting micro-hardness measurements.
3. Waiting for Frohn samples from Lonoke to run choke strain measurements.
4. Learned that Ervin Industries had recently acquired Crosmans shot making equipment. They will relocate this equipment to their production facility in Tecumseh, MI.