

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

*Cron. file*  
Xc: J. J. Bechard  
W. M. Curry  
P. H. Eccleston  
W. R. Googin  
D. S. Hardy  
A. A. Hugick  
F. G. Hart  
R. J. Sanzo

LIMITED DISTRIBUTION

Ilion, New York  
February 21, 1974

TO: W. E. LEEK  
FROM: C. B. WORKMAN  
SUBJECT: TECHNICAL SERVICES STAFF MEETING - Feb. 25  
(Last Meeting Held February 11, 1974 )

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COMPUTER AIDED DESIGN

The high speed range has been used but preliminary runs indicate that peak pressures don't agree with oscilloscope readings. Therefore, a calibrating signal device is being designed which can be used for set-up and check-out. Two new features have been added to high speed range. Peak values are primed for every shot ad, if required, available impulse is also printed.

Mylar tape-punch proposal is awaiting P E & C's endorsement. Delivery will be 60 - 90 days after P. O. issued.

RAMPS preliminary instructional meeting held on Feb. 14. All persons responsible for making schedules have been contacted and are preparing their preliminary CPM-PERT runs.

The gun-motion program is waiting for empirical data from the test lab. (shoulder-force, pressure-time, and displacement curves for a heavy-shoulder shooter firing M/870 12 Ga. shotgun with a heavy load).

The target measuring program is being converted and stream lined for use on our present system.

Technical Service Staff Meeting - Feb. 25  
(Last meeting held Feb. 11, 1974)

Feb. 21, 1974  
Page 2

MEASUREMENT / TEST LAB

M/3200 Over and Under Shotgun

1. 12 Ga. 3" - New Top Tang design - 1 7/8 oz.
  - a. SN 20822 - 10,000 endurance - at 2,000 lbs.
2. Developing 12 Ga. R-W-F target ammo internal ballistic data via high speed system.
3. Have request for clay bird trajectory data.

M/742-X New Design Autoloading Rifle

1. No testing activity.

M/1100-X New Design Autoloading shotgun

1. SN0001 - Re-established orifice with corrected gas system components. (Read point for IV & TV to be defined).
2. Gun is now located in design area.

M/1100 Product Improvement

1. Assisted plant / C. B. Workman with 12 Ga. skeet D.B.B.
2. Assisting production with cocking block endurance.
  - a. Exp. at 1600 rounds of proof testing.
  - b. Prod. at 5700 rounds of proof testing.
3. Received four M/1100 assemblies and Exp. high rib barrel for P.O.I. evaluation.
4. Received production sample of poly duck plugs (410 Ga.) for evaluation.

Miscellaneous Lab Activity

1. M/700 - 222 Rem. Quality Audit (waiting for guns).
2. S.A.A.M.I. 6 vs. 4 groove P./V. Test complete - report being written.
3. M/700 - 264 Win. Mag. barrel erosion test in process.
4. De-bugging M/1100 dry cycle machine.

Technical Service Staff Meeting - Feb. 25  
(Last meeting held Feb. 11, 1974)

Feb. 21, 1974  
Page 3

MEASUREMENT / TEST LAB (Continued)

Miscellaneous Lab Activity (Continued)

5. Process of summarizing 12 Ga. high pressure work data.
6. M/870 - 12 Ga. - 3" "Ducks Unlimited" testing joint (ecco bond & rivit) and medallion durability of glass
  - a. Initial 500 round test - satisfactory
  - b. 5000 round test (CBW) in process.
7. Doing high speed photographic work for custom shop on function of new Remington Trap & Winchester Trap.
8. 12/20 Barrel Burst Testing.
  - a. M/870 2 barrels - okay
  - b. M/1100 4 barrels in test
9. M/870 - determination of Max. open velocity / unlock time per C. F. W.
10. Safety meeting 2-19-74.
11. Assist Norm Menard with 12/20 Barrel Burst Test.
12. Housekeeping inspection W. E. L.
13. Attached is list of photographic services:

Technical Services Staff Meeting - Feb. 25  
(Last meeting held Feb. 11, 1974)

Feb. 21, 1974  
Page 4

MEASUREMENT / TEST LAB (Continued)

Miscellaneous Photography

Color photos of M/870 packing procedure (plant).  
Color and B & W photos of 2,000,000 M/870.  
Miscellaneous photos for the Remington Action.  
Test results and changes of M/3200 Tang Block Endurance Test.  
B & W prints of "United Fund" awards dinner.  
Public Relations photos for "Junior Achievement" program.  
Photos of test results of M/700 pilot line test (bore chamber).  
Plant requested photos of dept. with poor housekeeping.  
Photos of various machines to be sold (plant).  
Color photos of Hi-Dense display board.  
Many miscellaneous plant injuries - Minor and Major.  
Photos for M/540XR instruction folder.  
Photos of various 3200 parts requested by P E & G.  
Photos of scroll work in connection with N/C work on M/870.  
"Ducks Unlimited" gun.

AAH:bd

Technical Service Staff Meeting - Feb. 25  
(Last meeting held Feb. 11, 1974)

Feb. 21, 1974  
Page 5

SPECIFICATIONS, TECHNICAL INFORMATION & SERVICE

1. Package label art work program completed.
2. Owners Manual for 540-XR. Mechanicals and exploded view 90% complete.
3. 40XR and 40XC standards have been started.
4. Standards for M/870 "Ducks Unlimited" to be done.
5. Standards for 3200 32" Bbl. & Magnum to be done.

FGH:bd

Technical Services Staff Meeting - Feb. 25  
(Last meeting held Feb. 11, 1974 )

Feb. 21, 1974  
Page 6

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N/C MAINTENANCE

Allen Brady Eb

Complete

XLO 108E

Complete

Positool 900

Down for repairs by autonumerics field service.

REPORTS ATTACHED

Model Shop Work Load

Numerical Control Work in Progress

Plastic Research Lab

C.B. Workman:bd  
Ilion Research Division  
Attached