

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington
REMINGTON

PETERS
PETERS

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Cham. file

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Ilion, New York
December 11, 1974

TO: W. E. LEEK

FROM: C. W. STEPHAN

SUBJECT: TECHNICAL SERVICES STAFF MEETING - DEC. 16, 1974
(Last Meeting Held Nov. 18, 1974)

COMPUTER AIDED DESIGN

Conversion of all N/C Checkering pattern processing programs except GSTRG is complete. Debugging and testing of CGENF and the plotting version of DRV is near completion. Estimated completion date of test and debug of all other programs is early January, 1975.

The mylar tape punch with interface was delivered and installed Nov. 5, 1974. Extensive initial testing revealed erroneous codes being punched intermittently on tapes. The punch has since then been returned to the factory for warranty service. The punch should be returned approximately January 15, 1975.

The 2 million work disc drive for the 4020 was installed on Nov. 20, 1974. The drive is currently running with no problems. Hardware problems shortly after installation caused considerable downtime. Software modifications necessary for full utilization of the new disc will continue as time permits.

A program has been written for Quality Control that will maintain and active file of all production gages and report all critical gages due for inspection. Further development will continue upon receipt of further data and instructions from Quality Control.

UNIAPT AND POST-PROCESSOR STATUS

UDS

United Computing is working on solutions to the system problems we have encountered. These problems include page skipping in the Post-Processors, and automatic program turn-off in the event of a card reader failure.

UNIAPT

The latest release of Uniapt 2 has been received. Most of the problems associated with Uniapt 2 have been corrected. Upon testing, only one of the previous problems still exist. This problem occurs in the area of 3 axis linear positioning, and occurs only in one case. The test program contains many such moves which Uniapt 2 handles correctly. Uniapt 1 is still available in the event an error should result in Uniapt 2. A correction for Uniapt 2 should be received by Dec. 31, 1974.

MILWAUKEE-MATIC POST-PROCESSOR

The latest revision to this Post-Processor has been received. At present, there are no known errors.

RICHARDSON ROUTER POST-PROCESSOR

A correction for this post-processor was received Dec. 10, 1974. As of this writing, time has not been available for testing to determine what if any errors have been corrected.

EX-CELL-O-POST PROCESSOR

At present there are no known errors in this Post-Processor.

BOSTOMATIC POST-PROCESSOR

The specifications for this Post-Processor were sent back to United Computing on October 7, 1974 with all known modifications noted. Delivery of a test tape from this Post-Processor was received Nov. 15, 1974. Upon approval of the test tape, the Post-Processor will be delivered. P.E. & C. has not as yet tried the test tape to verify correctness.

UNIAPT AND POST-PROCESSOR STATUS (Cont'd)

POSITOOL POST-PROCESSOR

The latest corrections for this Post-Processor were received Dec. 1, 1974. At this time, there are no known errors in this Post-Processor.

ADAPT AND POST-PROCESSOR

COMPUDYNE POST-PROCESSOR

An error was detected in this Post-Processor in which in certain cases, the points output when contouring are rounded improperly. Since we are beyond the warranty period, Remington will be charged for any work done on this Post-Processor. Apparently, there are two options available for correction. The first option involves approximately 3 man days of work at \$250/day and would be warranted for 90 days. The second option would cost \$200 and would carry no warranty. A purchase order has been issued to have the necessary repairs made via Option 1. Delivery will be made as soon as verification of correct data is complete. Approx. Dec. 1, 1974.

BCP:b

SPECIFICATIONS, TECHNICAL INFORMATION & SERVICES

1. Prepare supplementary parts/price list for all 870 Military special parts requested by Government Sales. Awaiting prices from Accounting Division.
2. Redrawing model drawings where necessary to upgrade files and make better microfilm cards for reproduction.
3. Revise parts/price list for 1975 printing.
4. Review and revise 3200 Field Service Manual.
5. Prepare Mechanicals for Safety Suggestion forms and envelopes. Requested by J. Teal, ESD. - Completed.
6. Prepare mechanicals for new package labels: M/540XR w/sights, M/540XR w/sling strap assembly.
7. Check and revise, if necessary, all rifle standards for group size.
8. Check computer printouts for R. Langdon.
9. 3200 Gunsmith Bulletin.
10. Revise following Owner's Manuals for December - January reprint:

M/541-S	M/1100 (12-16-20)
M/742	M/1100 (28-410-20LW)
N/552	Nylon 66
M/572	Mohawk 600

FGH:B

N/C MAINTENANCE

Additional Spares for All N/C Systems:

N/C machine systems spare parts are being ordered at random with cost savings being primary consideration.

Training

Bill is attending a 2 week control school for Ex-Cell-O 108E - UMAC control. During his absence, Eugene Saunders is handling maintenance problems within his capabilities.

Positool

Ball screw is being repaired or replaced by Saginaw. Should not affect production schedule.

REPORTS ATTACHED

Model Shop Work Load

Numerical Control Work in Progress

WMC:B
Illion Research Division
Attached