

## JADE COMPUTER NOTE 41

### DOCUMENT PREPARATION USING THE NORD 10/S

H.E. Mills

25 June 1980

#### INTRODUCTION

Facilities exist to prepare documents using the RUNOFF programs on the Nord 10. The advantages of this method of document preparation are that the document is neatly formatted and is easy to correct and update. This note has been prepared via the EMBL RUNOFF program.

Two text formatting programs called RUNOFF are available. One comes from NORISK-DATA and the other from Mr. Herzog of EMBL at Heidelberg. It is recommended that the EMBL version is used and the descriptions in this note refer to it.

A program called RLISTER has been written to take the RUNOFF output file and to display it in a way suitable for several different types of terminal.

The input file required to produce this note is attached as appendix A and an example of commands used to drive RUNOFF and RLISTER is attached as appendix B.

#### PRODUCTION MECHANISM

Document preparation consists of first entering the text and any layout instructions into a NORD file from a normal terminal. RUNOFF is then used to process the file and produce an output file containing the formatted text. This can be read by the RLISTER program which will write it on your terminal in a way suitable for that device. Normally you will do this on a VDU or Tektronix terminal until you are satisfied with the layout and have removed all spelling mistakes. Finally you may log onto the high quality Diablo printer for a neat copy of your text - both continuous paper and separate sheets may be used. The Diablo should only be used in the final stages in order to preserve its daisy wheel and ribbon.

#### LAYOUT CONTROL

The user is referred to the EMBL documents called RUNOFF and RUNOFF Beginner's Manual. Basically commands for blank lines, new pages, centred text and so on are introduced by a full-stop (".") at the beginning of a line. A new paragraph is obtained by putting a space at the beginning of a line. The "group" facility is often useful to prevent RUNOFF splitting an item of text containing spaces such as in a formula. RUNOFF will not split complete words up. If you are entering your text in upper case only you will require several commands to swop between upper and lower case.

This document was produced using both methods and you are recommended to look at the attached input file as an example.

Please note that the Diablo and Tektronix devices can deal with the neat underline and so ↑ and ↑I should be used instead of .UL.

#### NOTES

- 1) EMBL recommend that the input text is stored in a file of type :RUNF. This type of file will not be backed up by the backup system and can be a little awkward to handle when editing with QED which expects type :SYMB by default. Therefore I suggest that the input text is stored in a :SYMB file and you only have to add :S to your file specification to RUNOFF.
- 2) RUNOFF asks for a default IMBED file which can be null or a file containing standard settings. One such file called DIABLO:RUNF is stored under user SYSTEM and is available to all users. It contains setup commands for the DIABLO together with a command to turn off the paging mode since I suspect most users will not require page numbers. You may of course override these statements within your file.
- 3) The Diablo should be connected at 1200 baud. If the interface is not defined at this speed it can be altered by the program (CA)BDCHGE. This remains effective until the computer is reloaded. The Diablo should have the LOCAL button up, the UC ONLY button down, and the SCROLL switch off.
- 4) When loading paper into the Diablo, ensure that the margin is just to the left of the print head when the carriage is fully at the left hand side. The R NOFF program ensures that a reasonable margin is left.

# Appendix A

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 ^U^IJADE COMPUTER NOTE 41  
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 ^IDOCUMENT PREPARATION USING THE NORD 10^/S

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 H.E. M^LILLS

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 25 /JUNE 1980

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 ^C^IINTRODUCTION

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/TWO TEXT FORMATTING PROGRAMS

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/A PROGRAM CALLED ^CRLISTER HAS BEEN WRITTEN TO TAKE THE ^CRUNOFF  
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/THE INPUT FILE REQUIRED TO PRODUCE THIS NOTE IS ATTACHED AS APPENDIX /A  
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.C64 OFF

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Using upper  
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.UN 5

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0(J)RUNOFF

RUNOFF V6MOD2 79.02.06 WELCOMES YOU  
TEXT FILE: JCNOTE4115  
DEFAULT IMBED FILE: DIABLO

OUTPUT FILE: OP  
RUNOFF HAS PROCESSED 94 INPUT LINES  
AND DEFINED 0 INDEX ENTRIES  
STORAGE WORDS USED 0 OUT OF 20000  
CPU USED TIME: 7.26 seconds  
ELAPSED TIME: 8.48 seconds  
RUNOFF EXITS

Text  
Format

0(J)RLISTER

RUNOFF LISTER VERSION 25-JUN-80  
\*\*\*\*\*

PLEASE GIVE INPUT FILENAME .....:OP

PLEASE ENTER TERMINAL TYPE

1=CONSOLE; 2=4014; 3=VDU; 4=DIABLO .....:2

output to device  
(Tektronix in this case)

TONE SIGNIFIES END OF PAGE - RETURN TO CONTINUE

