

# PROSOFT

Box 839, North Hollywood, California 91603  
(213) 764-3131



HELLO!

Thank you for your interest in NEWSSCRIPT and our TRS-80 Utility programs. We're glad you took the time to contact us, and will do our best to answer your questions.

This letter was prepared and printed by NEWSSCRIPT on a Centronics 737 (Radio Shack Line Printer IV). It looks **typeset**, doesn't it? That's because NEWSSCRIPT "knows" how to control the printer to let you create professional results. If you have a 739, Line Printer VIII, NEC 8023A, C. ITOH 8510, or R/S Daisy Wheel Printer II, you'll get the same right-justified proportional printing. The special letter on the other side of this page will be of special interest to owners of **EPSON's**.

Of course, it's easy to give you a glimpse of the printing capabilities of NEWSSCRIPT, but it's also important for you to be able to create and revise text quickly and easily. NEWSSCRIPT's full-screen editor is similar to the ones IBM supplies for large mainframe computers, and has features formerly found only on those million-dollar machines. It lets you enter text, add or delete material, move lines around, duplicate lines, and make "global" changes. You can write simple letters or 500 page books with this editor, and then print in many ways:

text can be centered, underlined,  
hyphenated, indented, "bulleted", and tabbed  
pages and lines can be numbered

## **DOUBLE-WIDTH PRINTING IS A SNAP**

multiple top and bottom titles are supported

NEWSSCRIPT can even create a Table of Contents and an Index

**FORM LETTERS** and merging of mailing lists are standard!

What else can I tell you? NEWSSCRIPT gives you complete control of page layouts, and you can change the setups as often as necessary. The documentation is clear and complete, includes a self-study tutorial, hundreds of examples, and of course was written in NEWSSCRIPT. We've gotten high marks in the magazine reviews for our software, and even higher marks for our documentation.

If your printer can do forward and reverse half-line feeds, NEWSSCRIPT will give you the ability to write formulas!

The formula for WATER is:  $H_2O$   
 $Y_o$ u can get **really** fan<sup>c</sup>y with some printers!

If you use your computer for business, you'll be glad to know that PROSOFT offers after-the-sale support. We issue periodic enhancements at little or no cost, and will try to answer your questions if you call or write. After 18 years of successful program development and customer service at IBM, I know that computers may have gotten smaller, but computer programs are more complex than ever, and require on-going, professional support. As a customer of PROSOFT, you'll have that support, and be able to make more effective use of your computer.

So please, call or mail in your order today, and we'll send you a copy of NEWSSCRIPT immediately.

Best of luck,

*Chuck Tesler*  
Chuck Tesler

**P R O S O F T**  
Box 839  
North Hollywood, California 91603  
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SAMPLE LETTER,  
PRINTED BY NEWSSCRIPT  
ON AN EPSON MX-80 WITH  
GRAFTRAX

September 21, 1981

Mr. Dave Mackey  
Custom Designers  
15 Main Street  
Westside, N.Y. 10806

Re: NEWSSCRIPT SUPPORT  
for MX-80, MX-100

Dear Dave,

Here it is: **NEWSSCRIPT 6.1** for the TRS-80 I & III

We supply it ready-to-run on a "Tiny" DOSPLUS disk. It has full support for the Epson series (all 12 print styles, plus underlining, *italics* [if you have GRAFTRAX], and low-resolution screen graphics). With it, you can take advantage of the capabilities of your sensational printer, and also create and revise your letters and office documentation quickly and easily.

The word "PROSOFT" at the top of this page was printed in Double Emphasized mode, while most of the rest of this letter was done in Emphasized. NEWSSCRIPT "knows" how to control the Epson for these things, as well as for *italics* and underlining, so you, as the user, can concentrate on what you want to say; you don't have to know any printer control codes.

This paragraph is done conventionally: 10 characters per inch, no Emphasis. Makes quite a difference to be able to turn on that better quality, doesn't it?

Here's a short example of Overstrike mode, also controlled by NEWSSCRIPT and done automatically by the printer. *Italics*, underlining, and double width are easily produced in all these settings, which makes for a more interesting appearance.

That pretty well covers what kind of results NEWSSCRIPT can give you on the Epson series, except, of course, for TRS-80 screen graphics... If this is what you've been looking for, please send us your order today, and you'll be getting the most out of your Epson very soon.

**GOOD LUCK**

Sincerely,

*Chuck Tesler*

Chuck Tesler

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SOFTWARE PRODUCTS  
December, 1981



WORD PROCESSING: see below  
UTILITIES: see page 3  
PRINTER FEATURES: see page 5

## TOP QUALITY WORD PROCESSING FOR THE TRS-80 MODELS I AND III

Full support for

EPSON MX-80, GRAFTRAX  
LINE PRINTER IV, VIII, 737, 739  
NEC 8023A, C. ITOH 8510  
R/S DAISY WHEEL II  
and many other printers

**NEWSSCRIPT** \$99.95 (specify Model I or III)

This self-contained, comprehensive Word-Processing system combines the excellent functions of IBM's "mainframe" computers with the ease-of-use of the TRS-80, and supports the advanced features of many modern printers. For example, this Product Summary was created in NEWSSCRIPT and printed on a Centronics 737 (marketed by Radio Shack as the Line Printer IV). Notice the typeset look that results from right-justified proportional font: the big gaps that computers usually put between the words are conspicuous by their absence. NEWSSCRIPT produces this result on the 737, the 739, R/S Line Printer IV, VIII, Daisy Wheel Printer II, and now the NEC "PROWRITER" (8023A), C. ITOH 8510, and TEC 8500R.

On the EPSON MX-80, the "Emphasized" typeface can be used to produce nearly letter-quality results. In fact, all twelve fonts of the MX-80 are supported, and TRS-80 screen graphics also can be printed. If you have an Epson with the "GRAFTRAX" option, NEWSSCRIPT easily lets you print parts of your work in italics. In both cases, typeface selection is very easy and can be changed from line to line if necessary.

With a normal Line Printer, a Diablo, Starwriter, Anadex, Microline, NEC Spinwriter, or an IBM Selectric, you'll be able to produce first-class output with NEWSSCRIPT, including double-width if supported by your printer. (See chart on page 5.)

### HIGHLIGHTS

- \* Easy to use Full-Screen Editor - lets you move the cursor anywhere on the screen or file, and then add, replace, insert, or delete text. Lines can be split or joined together; windows open as needed for insertion of new text; words at the end of a line are moved automatically to the next line; and blocks of text can be moved, duplicated, deleted, or marked for later use. This editor is based on IBM's "SPF" and "EDGAR" editors. We added some of the better features found on Tandem and H.P., and then tailored it to take full advantage of the unique capabilities of the personal computer. The final result is a worthy companion to the text formatter that printed what you're now reading.
- \* Typeahead, repeating keys, and direct entry of all special symbols - NEWSSCRIPT can keep up with the fastest typist (750 keystrokes a second is its limit), lets you type while the computer is "thinking", and lets you enter graphics and other symbols that are not on the keyboard [such as these square brackets].

- \* Flexible formatting - text may be centered, underlined, printed in **double width**, sub-scripted and super-scripted, italicized, indented, made into bullets (these paragraphs you're reading now), and even overstruck or darkened for emphasis. (Please note that not all printers have the mechanical capability to do all these features. Please refer to the special features chart on the last page.) NEWSRIPT tailors itself to many different printers, so you don't have to use ASCII control codes or any other esoteric computer jargon to take advantage of the special features of your printer.
  - \* Large documents - NEWSRIPT lets you create extremely large manuscripts. You can work with 3-5 pages at a time, and then chain these small sections together to form documents of essentially unlimited length. Large documents can span several diskettes, and provision for stopping to switch diskettes is standard. For example, the NEWSRIPT manual is over 180 pages long (although the tutorial is only about 30 pages), fills four double-density Model III diskettes, and was done entirely in NEWSRIPT.
  - \* Advanced features - you can specify references to be included in a Table of Contents and/or an Index (our manual has both for your convenience in looking things up), and can imbed standard paragraphs or logos from a library. Pagination and page numbering are automatic, but you can specify your own top and bottom titles if you wish, and change them from chapter to chapter as needed.
  - \* Easily remembered commands - the Editor's commands are English words, such as "UP", "CHANGE", "MOVE", "WHOOOPS", "SAVE", and "AUTOSAVE". The text formatter uses a "markup language" of English-language mnemonics. These are visible on the screen as you edit, so you always know which format controls are in effect. The markups begin with a period for easy identification. Examples are: ".CE" (center), ".IN" (indent), ".PP" (paragraph), and ".PA" (page). There are about fifty edit commands and about fifty markup controls, but the average person only needs to use about ten of each. The others are there for the times when you need something really fancy.
  - \* Form Letters - NEWSRIPT can print multiple copies of one letter, or can merge Names and Addresses from a mailing list into a repetitive letter. This feature is standard, but for larger mailing volumes, you may also want to order the optional MAILING LABELS feature, described below. When printing Form Letters, you can specify a selection criterion, and letters will be printed only for N&A's that meet the criterion. You can selectively merge names and phrases from a list into any portion of a letter, and the result can be right-justified, underlined, etc.
  - \* Documentation - the NEWSRIPT manual is as professional as the programs it describes. It contains an introductory Tutorial to help you get started, a thorough explanation of the beginner's most common needs ("EZEDIT" and "EZSCRIPT"), a "How To..." section for when you get stuck, full descriptions of the 100+ commands and formatting features (remember, you won't always be a beginner), literally hundreds of examples, a Table of Contents, and a command / topical Index to make it easier for you to find things when you need them. There are even cross-references from one feature to another. We also supply a handy quick reference card that groups features by category.
- If you want to preview NEWSRIPT, the manual and card may be purchased for \$30.00, of which \$25.00 will be credited when you order the software.
- \* Operating Systems - NEWSRIPT is distributed ready-to-run on a version of the excellent **DOSPLUS** system, but also runs nicely under NEWDOS/80, NEWDOS 2.1, LDOS, and TRSDOS (2.3, 1.2 and up).

NEWSRIPT requires a 48K TRS-80 Model I or Model III with at least one disk drive. Lower-case hardware is needed on the Model I if you want lower-case printing. It is distributed on diskette and can be (should be) backed up with "BACKUP" or "COPY".

**MAILING LABELS** \$29.95 (\$14.95 when purchased with NEWSRIPT)

This lets you print mailing labels from the same lists that NEWSRIPT uses. The same Selection Criteria can be used, labels can be printed 1-up, 2-up, etc., and on your choice of continuous forms or single sheets. The program is both flexible and simple. It isn't a mailing list system and doesn't sort by Zip Code or by Name, so we were able to keep the price very low. LABELS is available for \$14.95 ONLY if purchased at the same time as NEWSRIPT. It can be purchased separately for \$29.95.

**DVORAK KEYBOARD SUPPORT** \$34.95

Once learned, the DVORAK keyboard layout is far more efficient than the standard "QWERTY", and can result in faster, more accurate typing. Although a typewriter can't easily work both ways, a micro-computer can be changed back and forth through programming. After reading 80-MICROCOMPUTING's December, 1980 article on DVORAK, we developed this high-speed support. Next, we modified 80-Northwest's superb "Typing Tutor" to help you learn DVORAK typing. To help you get going, we include a set of press-on, removable labels for the fronts of your keys. If you also order NEWSRIPT, we add a DVORAK version of NEWSRIPT at no additional charge.

**MICROPROOF With Correction Feature** \$149.95

This is the well-known spelling checker for the TRS-80. It can scan several pages of text in about one minute, then display the potential mis-spellings in context and let you correct them immediately. It's large dictionary (50,000 words) can be easily expanded to accommodate your particular requirements. This combination of speed, large vocabulary, and growth capability makes it an ideal companion for NEWSRIPT. (Two disk drives needed.)

**SOFTWARE SPEEDUPS AND UTILITIES****FASTER** \$29.95

FASTER analyzes a running BASIC program, then tells you how to make a simple change (usually one line) that can reduce the running time of that BASIC program by up to 50%. No hardware changes are involved. The documentation is clear, straightforward, and leads you step by step through the procedures involved. The speedup is made by allocating the program variables in the best order for that particular program.

Personal Computing (May, 1981, page 116) reviewed FASTER and said, "FASTER is effective and easy to use". The CIE used it on the winning entry in their "Disassembler" contest and improved the winning time by another 20%. And that was on a program that had already been optimized by an expert! We've had reports of Android Nim speeding up by 52%, and of an eight-hour market analysis model being cut down to 4-1/2 hours... just through the use of FASTER.

FASTER is not a compiler. If you have a frequently-used program and can justify the cost, a compiler will produce a faster-running program than will FASTER. However, the compilers can't handle very large programs, whereas FASTER can. And a BASIC program that's been optimized with FASTER can still be modified and examined, just like any other BASIC program.

FASTER runs on any 16-48K Level II tape or disk TRS-80 Model I or Model III (it's very versatile). It runs with TRSDOS, DOSPLUS, LDOS, NEWDOS, and NEWDOS/80. FASTER is written in self-relocating Z-80 machine language and speeds up BASIC programs only. If ordered by itself, it's supplied on tape. If ordered with other disk-based software, it's supplied on disk.

If you use BASIC programs, if you write BASIC programs, and if you value your time, you'll be very glad you bought and used PROSOFT's FASTER.

### QUICK COMPRESS \$19.95

This ultra-fast machine-language program reduces the size and increases the speed of most BASIC programs. At your option, it will delete blanks and / or comments, but allow you to keep lines of your choice intact. It doesn't combine lines, so the logic and clarity of the original program is preserved. It requires only 276 bytes of memory and processes an 800 line BASIC program in less than three seconds. It's small, fast, and works correctly.

QUICK runs on any 16-48K TRS-80 Model I or III, tape or disk, and is compatible with TRSDOS, DOSPLUS, NEWDOS, NEWDOS/80, and LDOS. If ordered by itself, it's supplied on tape. If ordered with other disk-based software, it's supplied on disk.

### COMBINATION SPECIAL: FASTER + QUICK: \$39.95

### DISK RPM \$24.95

RPM measures the rotational speed of your disk drives. Incorrect rotational speed is a common cause of disk errors, and variation in speed is a hard-to-detect cause of intermittent disk problems. RPM measures both of these, and displays its findings in numbers, percentages, averages, words, and a historical graph. With just one keystroke, you can select any other drive. RPM requires no range adjustment, and recovers from even severe disk errors.

The clear, concise documentation explains how you can adjust your disk drives while running RPM, if such adjustments are necessary. The program should be used monthly if your drives run well, and more frequently if you suspect problems.

The copy of RPM we send you will run interchangeably on the Models I and III. It requires 32-48K and one disk drive. On the Model III with TRSDOS, a second drive is needed for installation only.

### XTEND40 \$19.95

If you have a Model I with 40 track drives and a 40 track Operating System, but still have some 35 track diskettes lying around, XTEND40 will format the extra 5 tracks and update the Direcory in 15 seconds. It's fast, safe, and easy to use. Requires a 32K or 48K Model I disk system and your 40 track hardware and Operating System.

**DOSPLUS** \$99.95

DOSPLUS replaces TRSDOS. It has received rave reviews in the magazines, and we started using it this Spring. We were impressed with its speed, ease of use, many utility functions, and freedom from "bugs", so we began to recommend it to our friends and customers. Finally, we realized that, if we liked DOSPLUS this well, we should make it convenient for others to obtain it for their own use. So, we've made arrangements with the authors at Micro Systems Software to allow us to offer DOSPLUS to you. When ordering, please specify Model I (single-density only) or Model III.

### **SUMMARY OF NEWSSCRIPT SUPPORT FOR SPECIAL PRINTER FEATURES**

NEWSSCRIPT is only as smart as your printer. Most of the modern dot-matrix printers can print double-width characters (**like this**), but Daisy Wheel printers cannot. The table below shows which special features of NEWSSCRIPT work on which printers. Features of NEWSSCRIPT that are not listed, such as centering, should work on all printers. NEWSSCRIPT supports many other printers besides the ones listed (such as Radio Shack's other "Line Printer" series), but we've only tested special feature support for the printers listed below. Although it's not in this list, NEWSSCRIPT also supports italics on those MX-80's having the GRAFTRAX-80 option.

**NOTE:** This list is current as of December, 1981. As time goes by, additional printers and features may be added to the list.

PRINTER	UNDER LINE	OVER STRIKE	DOUBLE WIDTH	SUB/SUPER SCRIPTS	RIGHT JUSTIFIED PROPORTIONAL	TRS-80 GRAPHICS
ANADEx 9500/9501	Y	X	Y	X	X	N
ATARI 825	Y	Y	Y	Y	Y	X
CENTRONICS 737/739	Y	Y	Y	Y	Y	X/N
C. ITOH STARKRITER	Y	Y	X	Y	N	N
C. ITOH 8510	Y	Y	Y	Y	Y	N
DIABLO 1620	Y	Y	X	Y	N	N
EPSON MX-80/FT/G	Y	Y	Y	N	X	Y
MICROLINE 80/82/83	X	X	Y	X	X	Y
NEC 8023A PROMITER	Y	Y	X	Y	N	N
C. ITOH 8510	Y	Y	Y	Y	Y	N
RS LINE PRINTER IV	Y	Y	Y	Y	Y	X
RS LINE PRINTER VIII	Y	Y	Y	Y	Y	X
RS DAISY WHEEL II	Y	Y	X	Y	Y	X
SELECTRIC	L	N	X	X	X	X
TEC 8510R	Y	Y	Y	Y	Y	N

**KEY:** Y=supported                      L=limited support  
               N=not supported            X=printer can't do it

In cases where it would be possible, but very hard, to simulate a feature on a printer that doesn't have the capability, we've indicated 'N', even though 'X' is probably more accurate. Super-scripts on the MX-80 fall in this category.

## PROSOFT'S FASTER

FASTER is a machine language software speedup utility for BASIC. It doesn't involve hardware mods, and can help increase the speed of most BASIC programs, whether you wrote them or not. "IMPOSSIBLE!" you say? Not at all, we say...

Here's an example of what FASTER can do. The program listed below is short enough for you to type in, run, and time. It's a sort, and to make it more interesting, it displays the sorted numbers in graphic form.

After getting a timing on it, add Line 15 as shown in "PART 2", and then time it again. 20-30% faster, isn't it? And all it took was that one, simple change. But, how in the world can you figure out the change for your own programs? The answer, of course, is PROSOFT's FASTER. I couldn't have figured out that change any better than you could, so I let FASTER analyse the program and show me what to do. Now, imagine what it can do for you!

If you run BASIC programs on a TRS-80 Model I or III, you can make them run FASTER. Order your copy today!

```
10 CLS : CLEAR 1000 : DEFINT A-Z 'THIS IS A SHELL SORT
20 G=143 : K=100 : S=5 : Y=959 : Z=129 : X=15424
30 PRINT "HOW MANY ITEMS TO SORT (DEFAULT ="; K; ") ";
40 N=K : INPUT N : IF N<2 OR N>10000 THEN 30 ELSE DIM A(N)
50 PRINT "PRESS <ENTER> AND START YOUR STOP-WATCH WHEN READY"
60 IF INKEY$="" THEN 60
70 PRINT "GENERATING ";N; " RANDOM VALUES..."
80 FOR I=1 TO N : A(I)=RND(Y) : NEXT
90 CLS : GOSUB 250 'SHOW RANDOM SCATTER DIAGRAM
100 PRINT@S+20, "NOW SORTING";
110 I = 1 'START OF THE SORT
120 I = I + I : M = I - 1
130 IF I < N THEN 120 ELSE M = INT(M/2)
140 IF M = 0 THEN 240
150 K = N-M
160 FOR J = 1 TO K
170 FOR I = J TO 1 STEP -M
180 IF A(I+M) >= A(I) THEN 210
190 W = A(I) : A(I) = A(I+M) : A(I+M) = W
200 NEXT I
210 NEXT J
220 M = INT(M/2)
230 GOTO 140 'LAST LINE OF SORT ROUTINE
240 GOSUB 250 : GOTO 270 'SHOW RESULTS IN A FANCY WAY
250 FOR I=1 TO N : J=PEEK(X+A(I)) : IF J=32 THEN J=Z ELSE J=J+1
260 POKE X+A(I), J : NEXT : RETURN
270 PRINT@S, STRING$(15,G); " S T O P T I M I N G "; STRING$(15,G);
280 FOR I=1 TO 5000 : NEXT I 'END OF PROGRAM
```

### PART 2

Now, just add Line 15 and run / time it again!

15 DIM I, M, J, W, X, Y, Z, N, K, S, G

Nothing to it ... if you have PROSOFT'S FASTER.



# PROSOFT

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## SPECIAL ORDER FORM

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

PAYMENT: ☐ CHECK ☐ MONEY ORDER ☐ C.O.D. ☐ CHARGE ☐ OTHER

IF CHARGE: VISA OR M/C#: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_

COMPUTER: ☐ MODEL I ☐ MODEL III ☐ MEMORY ☐ TAPE ☐ # DISKS

PRINTER: \_\_\_\_\_

\* \* \* \* \*

### PRODUCT

### PRICE

### AMOUNT

NEWSSCRIPT	\$ 99.95	
MAILING LABELS OPTION	29.95	
NEWSSCRIPT WITH MAILING LABELS OPTION (SPECIAL)	115.00	
R.P.M.	24.95	
FASTER	29.95	
QUICK COMPRESS	19.95	
FASTER AND QUICK COMPRESS COMBINED SPECIAL	39.95	
DVORAK KEYBOARD TRANSLATOR AND TYPING TUTOR	34.95	
XTEND40 (MODEL I ONLY)	19.95	
DOSPLUS OPERATING SYSTEM	99.95	
MICROPROOF WITH CORRECTION FEATURE	149.95	

Sub-Total:

6% Sales Tax (Calif. only):

Shipping:

TOTAL:

### SHIPPING:

We pay shipping within  
North America. On C.O.D.  
orders under \$50.00, please  
add \$2.00. For Blue Label U.P.S.,  
please add \$3.00. For shipment  
to Europe and South America,  
please add 15%. For shipment to  
Australia, New Zealand and the  
Far East, please add 20%.

Thank you!

