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DIGITAL SOFTWARE NEWS

FOR THE

PDP-8 & PDP-12

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DIGITAL SOFTWARE NEWS

FOR THE PDP-8 AND THE PDP-12

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PDP-8 & PDP-12 DIGITAL SOFTWARE NEWS

OCTOBER 1972

TABLE OF CONTENTS

	<u>CODE</u>
SPECIAL NOTE OS/8 PIP	
EduSystem SOFTWARE Loading Instruction for systems with Hardware Bootstraps	EDUSYSTEM 2
OS/8 LOADER (DEL-S8-OLIDA-A) Patch to correct the two-page buffer allocation algorithm	OS/8 LOADER 1
RTPS FORTRAN IV Patch to enable support of a 120 characters/line line printer	RTPS FORTRAN 16
RTPS FORTRAN IV Patch for error with Unformatted Writes	RTPS FORTRAN 17
TSS/8 INIT Correction to prevent improper loading of INIT tape	TSS/8 1

SPECIAL NOTE:

OS/8 PIP

Erroneous Address in published patch

An article OS/8PIP 1 in this newsletter concerning a correction to OS/8 PIP was previously published. The patch was to correct a problem in compressing files with the TD8E system. Unfortunately, the address was printed incorrectly. The patch indicated that location 51352 was to be altered from 0177 to 0171. That should be location 15352.

The correct patch follows:

```
. GET   SYS   PIP
. ODT
15276/7620   7640
15352/0177   0171
↑C
. SAVE  SYS   PIP
```

EduSystem PDP-8 SOFTWARE

Loading Instructions for Systems with Hardware Bootstraps

Users who have as part of their EduSystem configuration, an item called a Hardware Bootstrap, should note the following instructions to be followed during loading procedures:

A. Loading from PAPER TAPE (high or low speed):

1. Set SR to 5356
2. Flip "SW" key on console panel.

B. Loading from DISC (DF32 or RF08)

1. Set SR to 5350
2. Flip "SW" key on console panel.

C. Loading from DECTAPE (TC01 or TC08)

1. Set SR to 0600
2. Flip "SW" switch on console panel.

The above instructions replace that portion of the loading routine which includes the RIM loader, in the existing manuals.

OS/8 LOADER (DEC-S8-OLLD A-A)

Patch to correct the two-page buffer allocation algorithm

This problem can cause errors when doing I/O with two-page handlers at run-time. The following ODT patch will correct this problem:

```
.GET SYS LOADER
.ODT
Ø1312/UNUSED 1765
Ø1313/UNUSED 71Ø6
Ø1314/UNUSED 762Ø
Ø1315/UNUSED 5321
Ø1316/UNUSED 1326
Ø1317/UNUSED 3254
Ø132Ø/UNUSED 5262
Ø1321/UNUSED 1765
Ø1322/UNUSED 62Ø1
Ø1323/UNUSED 6212
Ø1324/UNUSED 5725
Ø1325/UNUSED 7474
Ø1326/UNUSED 1321

17472/1351 62Ø2
17473/62Ø1 5752

17552/UNUSED 1312
```

↑C

```
.SAVE SYS LOADER
```

RTPS FORTRAN IV

Patch to enable support of a 120 characters/line line printer

The RTPS FORTRAN IV run-time system can support an OS/8 compatible 120 character/line line printer by adding the following patch to FORIO.SV:

LOCATION	OLD CONTENTS	NEW CONTENTS
2571	7660	7610

After changing the location, run EZGEN as usual to include the new line printer handler.

RTPS FORTRAN IV

Patch for error with Unformatted Writes

When performing an unformatted write from a buffer starting at location 7400 of any field, RTPS FORTRAN causes an error. This problem is independent of loader allocation of requested files. Because users generally do not know where their buffers are, the following patch is suggested for those who have lengthy programs and/or several devices declared at load time (D option) requiring unformatted writes. Add the patch using EPIC as follows:

```
.R EPIC↓
*FORRTS.FT</1$           /Edit FORRTS.FT
R,34↓                    /Read block 34
O,147↓                   /Open location 147
2356/5366↓              /Change it to 5366
O,166↓                   /Open location 166
XXXX/2356 →              /Change it to 2356
XXXX/7000 →              /Change 167 to 7000
XXXX/2354 →              /Change 170 to 2354
XXXX/7000 →              /Change 171 to 7000
XXXX/5351↓              /Change 172 to 5351
W↓                       /Write the block
E↓                       /Exit EPIC edit
*↑C                      /Return to OS/8
_
```

Note: → means type LINE FEED: ↓ means type RETURN
\$ means type ALTMODE

TSS/8 INIT

Correction to prevent improper loading of INIT tape

INIT contains it's own binary loader for TSS/8 building purposes; therefore, attempting to load it into the same field as the binary loader will cause the binary loader to be overlayed and hence "crash". To load INIT properly, use the binary loader in a field other than the field into which you wish to load INIT.

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