

# dsw: pdp7 memorabilia

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- Previous message (by thread): [Info on the MicroVAX & Ultrix-11 wan](#)
  - Next message (by thread): [pr\\_ctloutput\(\) format in 4.2 BSD](#)
  - **Messages sorted by:** [\[ date \]](#) [\[ thread \]](#) [\[ subject \]](#) [\[ author \]](#)
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I happened to dredge up an old notebook and found a listing of the PDP-7 version of dsw. Because several people have approached me recently about reviving a version of PDP-7 Unix as a sort of paleontological exhibit, and because the subject has been discussed here, I thought people might be interested in seeing the code. I first considered net.sources, but decided not to carry whimsy too far.

Dennis Ritchie

Notes:

- 1) The assembler has Knuth-style temporary labels but no literals.
- 2) The name of the current directory was evidently ".."
- 3) Formatting is faithfully reproduced.
- 4) "sys save" makes a core image.

```
-----  
" dsw  
  
    lac djump  
    dac .-1  
    oas cla  
    cma  
    tad d1  
    dac t1  
    sys open; dd; 0  
1:  
    lac d2  
    sys read; dir; 8  
    sna  
    sys exit  
    lac dir  
    sna  
    jmp 1b  
    isz t1  
    jmp 1b
```

wr:

```
lac d1
sys write; dir+1; 4
lac d1
sys write; o12; 1
sys save
```

```
do:
  sys unlink; dir+1
  sys exit
```

```
d1: 1
d2: 2
o12: 012
t1: 0
djmp: jmp do
dd: 056056; 040040; 040040; 040040
dir: .+.8
```

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