

Beware of Problems with DOS 6 DBLSPACE !

Despite its many improvements, Microsoft's latest version of DOS (MS-DOS 6.0) also packs some potential headaches. The Computing Center consulting staff has experienced serious problems

in running DBLSPACE, the software's new disk compression feature.

The staff strongly recommends that you read this article and consult the "MS-DOS 6.0 Troubleshooting and Tips" handout before attempting to use this new feature. You may pick up a copy of the handout from either the Documents Room (205) or Microcomputer Consulting and Services (202A).

DOS 6 DBLSPACE and Novell Users -

If your PC is connected to the campus-wide Novell network, make sure you log in on your Novell account *before* attempting to compress your hard drive with DBLSPACE. (If you run DBLSPACE first, you may not be able to log in on Novell once your drive is compressed. If you've already experienced this problem, pick up a copy of the "MS-DOS 6.0 Troubleshooting..." handout cited above, which explains how to fix it.)

It's very important that you ensure that DBLSPACE chooses E rather than H as its uncompressed drive. To do this, select the "Custom Setup" option from the DBLSPACE menu and change the drive to "E" if another drive is displayed.

DOS 6 DBLSPACE and MS-Windows 3.1 Users -

If you use Windows 3.1 and have turned on virtual memory, it's important that you assign enough space to the uncompressed drive for Windows to use for its virtual memory. (Windows can use only *uncompressed* space for its virtual memory.)

Again, it is very important to make sure DBLSPACE chooses E as its uncompressed drive. Select the "Custom Setup" option and change the chosen drive to "E" if it's something else.

If you have a permanent swap file for Windows' virtual memory, you may need to tell Windows where to place the swap file after you run DBLSPACE. Otherwise, Windows may look for the swap file on the C drive instead of the E drive.

*adios,
accent-r
Campus
users should
note that the
UO's Accent-R
contract expires
on October 31,
1993, and will
not be renewed.*

General Warning -

Be aware that if you use DBLSPACE and then decide you don't like what it has done, you'll find it *very* difficult to undo the changes. While you will not lose data, it may be some time before you are able to restore your drive to its uncompressed state with all of its original files intact. To remove DBLSPACE, consult the DOS 6.0 README.TXT file in your DOS directory.

In all cases, we recommend a full backup of your data before running DBLSPACE.

Need More Help?

How you install DBLSPACE may save you future problems. You might want to read the articles about MS-DOS 6.0 published in recent issues of *Infoworld* (April 26) and *PC Magazine* (April 13). Both issues are available in the Documents Room.

If you have further questions about DOS 6.0, call Microcomputer Consulting and Services at 346-4412, or drop by Room 202A Computing Center between 9 am and 5 pm weekdays.

Update Your Anti-Viral Software

In recent months, computer viruses have erupted on campus with increasing frequency. The Microcomputer Support Center staff urges you to protect your machine and disks by installing the latest versions of anti-viral software. Current software for Macintoshes and DOS PCs is available for copying free of charge from the Computing Center's public domain libraries. Here's what's new in Mac and PC protection:

Macintosh

During the past two months, four new Macintosh viruses have surfaced: T4-C, INIT-17, INIT-M, and a new version of CDEF. To detect and eradicate these, as well as all other known Mac viruses, the staff recommends you install Disinfectant 3.2.

You may copy this program from the "Virus Software" folder on the AppleShare network's CC Public Domain disk.

Extensive documentation accompanies the new software, but if you need further help, Microcomputer Support consultants are on hand to assist with software installation and disinfection.

- continued on page 2

network notes

Recommended Network Software...

Computing News regularly publishes a list of network software distributed and recommended by the Computing Center's Network Services group. The latest software recommended for Macintoshes and DOS PCs attached to UOnet is outlined below. Current versions of recommended Mac software are all available on the AppleShare network's CC Public Domain file server, in the Network Software folder. PC software is available on the Novell network's Zeus file server (log in as user *PD*).

Highlights of Recent Changes

MacVIP. In addition to the Mac version of NCSA Telnet, we also distribute MacVIP 1.0, an enhanced version of Telnet 2.5B. This version of Telnet adds emulation for Bull VIP terminals for users who need to connect to the OSSHE Bull mainframe in Corvallis (sss511.osshe.edu). Bull users may want to replace their NCSA Telnet with this version.

PC Gopher III. This new gopher client for DOS PCs is now available. We recommend that all PC users obtain and install PC Gopher III.

TNVIP. A new version of TNVIP is now available. TNVIP is the PC version of NCSA Telnet with VIP terminal emulation for accessing the OSSHE Bull mainframe. All users of earlier TNVIP versions should upgrade to the new one.

TurboGopher This streamlined Gopher client is now part of the standard set of recommended software for all Mac users.

Macintosh Software

Here are the current minimum network software recommendations for Macs connected to UOnet via LocalTalk or Ethernet. To use these programs effectively, you need a Mac Plus or better, with at least 2.5 MB of memory, running either System 6 or System 7.

Macs Running System 6.0.5-6.0.8:

- AppleShare Workstation
- Responder
- LaserWriter drivers from System 6.0.8 or 7.x

Macs Directly Connected to Ethernet:

- EtherTalk Phase 2

All Macs Running System 6 or System 7:

- MacTCP 1.1.1 ("MacTCP" and "MacTCP Prep" files.)
- BYU/NCSA Telnet 2.5B ("telnet.mactcp" and "config.tel")
- Eudora 1.3 ("Eudora" application)
- Fetch 2.1 ("Fetch" application and "Fetch Help" file)
- TurboGopher 1.0.5 (System 7 is recommended)

Two other Mac applications may be of interest to some users, but are not part of the minimum recommendations:

- NewsWatcher 1.3D6 (USENET news reader)
- MacVIP 1.0 (Telnet with Bull VIP emulation)

DOS PC Software

Here are current public domain network software recommendations for DOS PCs connected to UOnet. To use this software, you need at least an IBM PC/XT, or compatible, with 2MB available hard disk, Ethernet card, and 640K of memory, running DOS 3.1 or later.

All networked PCs:

- Packet drivers version 9 or later
- NCSA Telnet 2.3.05
- PC Gopher III, 1.02

Novell users:

- IPX.COM 3.10 (BYU Packet Driver version)
- NETX.COM 3.26

Recommended for interested users:

- Trumpet 1.04b (USENET news reader)
- TNVIP 2.01

Find it Fast With Online Directories

Need the phone number or e-mail address of someone on campus? The information may be at your fingertips. The UO's primary WHOIS online directory server is compiled from several major campus directories: the 92/93 UO Telephone Directory, lists of VAX, DARKWING, and all cc:Mail accounts, and student information from the BANNER database.

You can access the server via the *ph* program (Eudora* and DARKWING) or WHOIS (OREGON and DONALD), or by selecting the "UO Phonebook" option from the main Gopher server.

If you can't locate the desired information on the WHOIS server, it may be listed in another campus e-mail database. For example, to locate an e-mail address for someone with an account on a CIS department computer, you could type

`finger lastname@cs.uoregon.edu`

from either VMS or DARKWING. You may also use *finger* to scan directories on many other UNIX-based systems.

The Computing Center staff plans to update the WHOIS database with increasing frequency. Eventually it may be possible for individuals to update their own entries. Watch future issues of *Computing News* for new developments. For more information on directory servers, consult the Directory Services handout in the Documents Room.

* *Eudora* users should use the *Configuration* command on the *Special* menu to check the *Ph* server entry and, if necessary, set it to `whois.uoregon.edu`

VAX & DARKWING NEWS

This month's VAX/DARKWING column features hardware and software news, some tips for moving SAS export data sets using Multinet's version of FTP on OREGON, and a response to numerous inquiries about the *IRC* and *Talk* programs.

New X Terminals in 105

The Computing Center staff recently installed two NCD X Window terminals in the public terminal room (105). One has a color monitor, and the other is monochrome. These terminals are designed to provide OREGON and DARKWING users with a chance to try a window-oriented interface to such programs as

- SAS (statistics, data analysis, reporting, graphics)
- Maple (symbolic mathematics and graphics)
- Interleaf V (desktop publishing)
- xdvi and ghostscript (TeX output and PostScript file previewing)
- network applications, such as *xmail*, *xrn*, *xarchie*, and *xgopher*
- numerous utility programs, including text editors, a scientific calculator, an on-screen clock, and a mail arrival notifier

To learn more about using the X terminals, see the handout titled, "A Short Guide to Getting Started Using the X Terminals in CC105." Copies of the handout are available in both Room 105 and the Documents Room (205). If you have further questions, call a VAX consultant (a list of consultants' phone numbers is posted on the public terminal room wall).

Moving SAS Data Sets from OREGON

The new Multinet FTP software installed on OREGON requires some special "tricks" when you move SAS export format data sets from OREGON to DARKWING. To be successful, you'll need to adjust the file attributes first.

For example, suppose you have a SAS export-format data set called

MYSETS.EXP To adjust its file attributes, type

```
$ analyze/rms/fdl mysets.exp
```

to generate an FDL file describing the current export file format. Then, interactively edit the FDL file's carriage-control attributes by typing

```
$ edit/fdl mysets.fdl
```

This initiates a menu of possible responses, followed by a prompt that includes the term "(Keyword):". Respond to this prompt as follows, hitting the Return key after each response:

```
... (Keyword) [...]: modify <Return>
... (Keyword) [...]: record <Return>
... (Keyword) [...]: carriage <Return>
... (Keyword) [...]: none <Return>
                        (type another <Return>)
... (Keyword) [...]: exit <Return>
```

At this point, the \$ prompt will reappear. "Apply" the modified FDL (in this example, MYSETS.FDL) by typing

```
$ convert/fdl=mysets.fdl mysets.exp -
mysets.tempexp
```

Then, restore the original name of the export file with a rename command:

```
$ rename mysets.tempexp mysets.exp
```

Now you can move the file using FTP in binary mode as usual.

What About 'Talk' and IRC?

VAX consultants have been getting a lot of questions lately about two "real-time" communications programs, *Talk* and *IRC*. Many students have heard about them from friends at other universities, and are wondering if they can use them here. For those who are still confused about the status of *Talk* and *IRC* at the UO, here's the story:

Talk. *Talk* is a program that provides "real-time," split-screen interaction between two parties connected over the Internet. Although *Talk* is currently available on both OREGON and DARKWING as unsupported software, the program has some compatibility problems. Consultants do not support *Talk*, and recommend that users rely

on electronic mail instead.

IRC. *IRC* (Internet Relay Chat) also provides "real-time" interaction, but allows several parties to communicate simultaneously. The program is *not* currently available on either OREGON or DARKWING, and there are no plans to install it. We recommend using news or electronic mail mailing lists instead.

BMDP, EQS Upgrades Moved to DARKWING

One of the major statistics packages, BMDP, was recently upgraded to version 7.0 on OREGON. Early in Summer Term, BMDP will be moved to DARKWING, where performance will be much improved.

Likewise, the new version 4.0 of EQS (a program for doing structural equations), will also be moved to DARKWING early in Summer Term.

If these changes will cause a problem for you, please contact Audun Runde (phone: 346-1714; e-mail: audun@oregon).

-Joe St Sauver

Computing News is published twice a term during the academic year by the Office of University Computing, Computing Center, University of Oregon, Eugene, OR 97403. Telephone: (503) 346-1724

Newsletter Editor:

Joyce Winslow

(juwins@oregon)

Editorial Advisor:

Dave Ulrich

(du@oregon)

You may reprint articles from *Computing News*, provided you credit the source.

4