NeXT Users' Journal

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Contributers

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Welcome

Erica J. Liebman
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THERE IS an odor of decay in the NeXT community.

Alas. My NeXT is not aging well. And poor Whimsy T. NeXT is not alone in her trials and tribulations. My disk drive is making strange noises. My mouse is barely responding to horizontal motion and keeps clicking and (no kidding) squealing The rubber which bands the keyboard and mouse are starting to decay. I have crashed my system five times in the last two hours. (That is two above average, mind you). I rebuilt my disk no less than four times over the past two months. At least my monitor and OD are behaving well -- unlike most NeXT users, I turn Whimsy off each day after use and dust frequently with tacky-cloth. Several NeXTs of my aquaintance have dimmed beyond vibility. Others have optical drives, broken and destructive to the unwary. I don't know if I am alone in my mouse woes or not.

I ask you, is there suddenly a universal plunge among NeXTs to problems and if so, why?

I have no answers. Merely suspicions. And let me state from the start, that the recent product introduction has nothing to do with it. Whimsy can't read and I haven't told her about the younger, faster, more slender workstations. (Although, I could heartily sympathize with some jealousy on that point - :).) Nor is she in receipt of strange short-waves signalling "obsolete, obsolete, obsolete". (This is, however, a familiar cry from my research advisors. I must bow away from comparison in this case). Still yet, it can't be that my warranty just ran out -- it did that months ago and the original warranty period was for only about three months (if I remember correctly).

I see two fundemental problems. First, that NeXT buys almost everything from third party vendors except the boards which are manufactured so uniquely inhouse. Without their strict standards, these items may suffer from quality control. The troubles of optical disk drives seem legendary. The whole broughaha with the laser printers (a whole lot of them blew their fuses when they were first being used -- apparently an error at Cannon).

Second, NeXT may have planned poorly how much use the machines would accumulate in the field. NeXTs run UNIX and UNIX workstation accumulate hours enormous in comparison to their meek PC cousins. They must be awake when the mail comes in, as the cron ticks and the system waits for ftps. There is no way to turn the monitor off. There is no command-dim. Certainly, these monitors should have been rated at about four or five years of continuous use (with dimming -- I want to reiterate here that Whimsy runs perhaps an average of fifteen hours a week, at one or two long spurts of use and has shown no monitor problems.)

There may be a myth growing here : Is UNIX machine hardware more tempermental than that of PC's? Could it be because the workstation pushes the state of the art back and the PC's are using tried, tested and fundementally limited equipment?

Frankly I don't know. I'd like to invite all of you this month to write in and let me know how old your machine is, how much use it gets and how its been shaping up. Maybe I'll find some patterns. Maybe I won't.

ON OTHER MATTERS, you might have noticed that this issue is in WriteNow format (a bit hard to mistake for any experienced NeXTie of more than two hours experience.) Along with everything else happening to my poor NeXT, my FrameMaker has up and died in conjunction with 2.0. Anyway, most everyone hated the problems with FrameMaker anyway. We'll see what happens when I get the update patches worked through.

I HAVE RECEIVED a copy of the new UUCP tech doc from Alan Marcum. This should be readily available to everyone very soon at the ftp sites if not already. At the last second, I did not include it in the issue because getting it reformatted from NeXT standards into NUJ was becoming near-hell. Anyway, its sharp and slick and I thank Alan for getting it to me.

I HAVE A BACKUP utility from Pat McGee which I had to put off to next month. Right now, this is the only article I have in hand for December. Please, if you promised me an article, get it in. I am hoping that Bruce Henderson will finish another ascerbic and witty "The Way I See It", Arthur Lee will get in that next MUMPS article and we'll be seeing primarily 2.0-focussed articles. Well written How-To with code is (as always) the NeXT Users' Journal domain. Please submit as soon as possible.

FEEDBACK from the TRENCHES
Letters, Hints and Other Fun

(•) Howdy. I am the president of the Phoenix NeXT user group. Phang - PHoenix Area Next user Group. Please change my e-mail address to ggf@jsoft.com.I found your first 8 issues to be very good. They got me going at a point where I was feeling sort of isolated. Not any more. I have the NeXT Users' journal to read now!

You mentioned that BIX has a NeXT special interest group. (ck out p48 in issue 8, which I found by loading the issue and doing a find!!) Dave and BIX do not know of anything special for NeXT user groups. However!!

I am checking it out and will let you know what the story is. I have an article about BIX I will submit as soon as I find out about the user group discount BIX will offer us. I am going to suggest to the moderators of the next conference they keep your newsletter online on BIX. I am sure users will like it. BTW, the moderators are Edward Jung and Bruce Webster.

Thanks again for all the hard work. You must have times when sleep is something you do without - lots! (-: **Gary Frederick,** jsoft!ggf@uunet.UU.NET

(•) Thanks for all your efforts with the newsletter. They are all very informative. Keep up the good work!--**Steve Hayman** Workstation Manager Computer Science Department Indiana U.

(•) Hello Erica, Thanks for publishing my article in Buzz9. The text part of the article came out very well. But, I have to get this this grouch out of my system .. ! The Notebook part of the article came all in ascii without those beautiful cells and the format I originally had..instead, there were some uncanny comments about font,pallettes, colors and what have you..How did they creep in..

I wonder if there is anyway of providing a better source of the algorithm to the interested... through the archives.. Think about it..Thanks again..**Krishnaprasad Kamisetty**, kamisett@enuxha.eas.asu.edu

The uncanny comments clearly were *your illustrations. OOOPS! -- EJL*

(•) A quote that I picked up..."WOW!!! According to an article on the last page of UNIX TODAY 10/1/90, Graham Nash of Crosby, Stills, and Nash is dumping his Sun workstation and buying a NeXT... to be used "as a design tool for a multimedia stage show that will support his planned 1991 solo tour." -- **Conrad Geiger**, Conrad_Geiger@NeXT.com

(•) Hi Erica. here's a little hack that other people might find useful...

The Question: how do you find out what defaults can be set for a program using dwrite?

the Answer: start it under gdb (e.g. 'gdb /NextApps/Terminal') and then give the following string of commands to gdb:

```
break *0x605d89e
```

```
commands 1
silent
printf "%s: ", *$a2
output {char *}(4+$a2)
echo \n
cont
end
run
```

For example, the output for Terminal is

```
DoLaunchTiming: (char *) 0x0
HomeDirectory: (char *) 0x0
LaunchTime: (char *) 0x6006259 "0 0"
MachLaunch: (char *) 0x0
SavePanelTiming: (char *) 0x0
Uid: (char *) 0x0
UserName: (char *) 0x0
BoldSystemFont: (char *) 0x60062d5 "Helvetica-Bold"
BrowserSpeed: (char *) 0x60062f1 "50"
Printer: (char *) 0x60062fc "Local_Printer"
PrinterHost: (char *) 0x6006316 ""
PrinterResolution: (char *) 0x6006329 "400"
ScrollerButtonDelay: (char *) 0x6006341 "0.5"
ScrollerButtonPeriod: (char *) 0x600635a "0.025"
ScrollerKnobDelay: (char *) 0x6006372 "0.001"
ScrollerKnobCount: (char *) 0x600638a "2"
SystemFont: (char *) 0x6006397 "Helvetica"
UnixExpert: (char *) 0x60063ac "NO"
NXAutoLaunch: (char *) 0x60063ac "NO"
NXCaseSensitiveBrowser: (char *) 0x0
NXHost: (char *) 0x0
NXMargins: (char *) 0x6006445 "72 72 90 90"
NXMenuX: (char *) 0x6006459 "-1.0"
NXMenuY: (char *) 0x6006466 "1000000.0"
NXOpen: (char *) 0x0
NXOpenTemp: (char *) 0x0
NXPSName: (char *) 0x0
NXPaperType: (char *) 0x6006497 "Letter"
NXShowAllWindows: (char *) 0x0
NXShowPS: (char *) 0x0
NXFont: (char *) 0x6006397 "Helvetica"
NXFontSize: (char *) 0x60064ca "12"
NXFixedPitchFont: (char *) 0x60064de "Ohlfs"
NXFixedPitchFontSize: (char *) 0x60064f9 "10"
NXMallocDebug: (char *) 0x600650a "32"
SourceDotLogin: (char *) 0x279f "YES"
LoginProgram: (char *) 0x27b0 "NO"
NXFixedPitchFont: (char *) 0x27c4 "Ohlfs"
NXFixedPitchFontSize: (char *) 0x27df "12.0"
Console: (char *) 0x27b0 "NO"
Shell: (char *) 0x27f2 "DEFAULT"
Columns: (char *) 0x2802 "80"
Lines: (char *) 0x280b "24"
WinLocX: (char *) 0x2816 "100"
WinLocY: (char *) 0x2816 "100"
NXMenuX: (char *) 0x282a "0.0"
```

(note that you get a whole bunch of program-independent defaults at the beginning that are loaded by appkit.) This also starts the program running; you'll probably want to quit it, and quit gdb (by typing 'quit'). By the way, the magic number in the first line is an address in the shared library (NXRegisterDefaults+70), and almost certainly will have to be changed to work under 2.0. .mike. **Mike Dixon**, Xerox PARC

(•) Dear Ms. Liebman, IMPACT is an entrepreneurial software publishing company located in Ithaca, NY. We are currently introducing a software credit card which will allow NeXT users to directly test out demo software on their own machines, and to purchase the fully functional version by calling up IMPACT's 1-800 number and charging the software to their account.

We have information and application form brochures which explain the IMPACT software credit card in more detail, and we would like to make them available to your user group members, if possible...Sincerely, **Mark Lee**, mlee@cs.cornell.edu, IMPACT Software Publishing, Inc. 306 College Avenue, Ithaca, NY 14850

(•) Here are a couple of snippets that I have found useful. The first make the screen background black (or another shade) without having to launch Scene. The second is a simple screen blanker which can be executed from Terminal (or Shell). **Jim Burns**, burns@cc.gatech.edu

-clip & save in a executable file - sugg.name: setBackground -

```
#!/bin/csh -f
# Usage: setBackground color
#  Sets the background color on the NeXT as specified by color
#  James E. Burns, burns@cc.gatech.edu, 11/4/90
pft <<EOF
workspaceWindow
```

```
windowdeviceround
$1 setgray
setexposurecolor
0 0 1120 832 rectfill
EOF
--clip & save in a file - suggested name: BlackForeground ----
% BlackForeground  -- James E. Burns, 11/4/90,
      burns@cc.gatech.edu
% Clear the screen to black
% Usage: pft -f <thisfile>
%  Note: <thisfile> must have full pathname
0 0 1120 832 Nonretained window
windowdeviceround
Above 0 currentwindow
orderwindow
0 setgray
0 0 1120 832 rectfill
```

(•) In NeXT Software Release 2.0, the “recycler” replaces the “black hole.” --**Eric P Scott**