



The NASA Glenn Research Center Macintosh User Group

Volume 4, Issue 1

February, 2003

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Hey! We're back!! After a long silence, the Glenn Mac User Group newsletter is back. About time, eh?

A lot has been happening since the last newsletter, like ohhhh.....OS X....

Yes, OS X has finally come to Glenn! We started the ball rolling with an Open House and demo of the ODIN solution the end of January. The response was overwhelming. How overwhelming, you ask? Well, they had to order more pizza!!

Computers were set up around the room so those who braved the elements could test out the new systems and familiarize themselves with how their computer interface would eventually look once actual deployment took place. Jeff Martin gave an excellent overview and fielded questions from those gathered.

Deployment has started for those who signed up as beta testers at the Open House, and so far, all seems to be going well. OS X is a major change in how the interface looks and feels, so please take some time to check out the videos and CD's in the Learning Center (they have material on OS X itself, as well as Office X).

Also check out the ODIN web site, where documents have been put to help you learn as much as possible about when machines will be upgraded, etc.

We would like to try to start having regular meetings again now that Melissa is back (congratulations here for Melissa and Kurt on their new son, Connor, by the way). If you are not signed up for the grcmug email list, now would be a good time to let Ward know so he may put your name on the list. You don't want to miss out on any announcements!

Please send me any articles, cartoons, how to's, bits of advice, anything, that you might want to include in future newsletters too. I like to talk (as you all know), but don't want to do this newsletter alone.

—Lisa Madden, Editor

President's Corner



Welcome to another year at NASA and another year of Apple excitement. This year is going to be different for us Mac users because it brings the lab-wide installation of OS X on our desktops.

Starting this month, the great Mac support folks from ACS will be coming to your Mac and installing OS X onto it. This is going to be a long process, as we have a few hundred Macs. Get your name on the sign up list and be the first in your office to show off OS X.

Hopefully it'll all go smoothly. My advice? Backup all your data. Don't ever go into such a big change without a backup for piece of mind. Sure, the ODIN/ACS folks will do a good job of data transfer, but why take a chance?

As for the move over itself, I have been using OS X since it came out and found that moving from OS 9 wasn't all that painful. Just about all of my "classic" apps just work. About the only exception I have found was ClarisDraw (I still love that drawing program).

With Jaguar, OS X is ready for the masses. Although, sometimes I still miss the old days of OS 9 and earlier. Heck, I loved OS 8! But X has allowed me to do so many new things in my Science and Engineering work and given me an even stronger leg to stand on when I make my case for using a Mac instead of a PC that I welcome it.

Let's use this newsletter and our GMUG group as a forum for those new to using OS X. Those of us who've been using it for a while chime in here and there with some helpful advice. If you've found out a shortcut to doing something,

or can't figure out how to do what you used to do, write and article or send out an email.

Good luck everyone. We'll be here to help if you need it.

—Melissa McGuire, President



Microsoft Promoting Free Entourage v. X Instruct DVD

Microsoft Corp. and Avondale Media have teamed up to offer a free Entourage X instructional DVD for users in the US and Canada. Avondale Media's new Entourage X: Beyond the Basics DVD, normally \$29.95, is available to all Office v. X and Entourage X users for just the cost of shipping and handling at

<http://www.learnentourage.com>.

Entourage X: Beyond the Basics features Mac expert Jim Heid presenting 75 minutes of expert tips and techniques, ranging from filing mail to automating Entourage with rules and scripts. Heid also covers essential keyboard shortcuts, dealing with junk mail, email style and etiquette, and using Entourage with other Microsoft Office programs. Like all Avondale Media DVDs, Entourage X: Beyond the Basics is subdivided into dozens of chapters, with convenient menus that put any tip or step at your fingertips.

The free DVD offer is available to any user who visits www.learnentourage.com and has an Entourage X or Office v. X installation CD available. A simple verification test enables users to continue onto the Avondale Media shopping site with a one-time code that will remove the DVDs \$29.95 price, leaving only the shipping and handling cost (\$6.95 for U.S. shipments).



The Learning Center

Mac OSX Training in the Learning Center

The Learning Center has acquired a series of training CDs to help you get up-to-speed with the newest Mac operating system, OSX Jaguar, as well as related MS Office products. Visit the Learning Center website for more information or call us at 3-2996 or 3-2997.

<http://www.grc.nasa.gov/WWW/LC/mac.htm>



Some Computers Only Start Up in Mac OS X

<http://www.info.apple.com/kbnum/n86209>

Some Macintosh computers start up only in Mac OS X. These computers can run Classic, but they do not start up in Mac OS 9.

<http://www.lerc.nasa.gov/WWW/AdvisoryGroups/MUG/>
or
<http://GMUG.grc.nasa.gov>

UNIX Terminal Tutorial

Jason Pinoniemi

For those new to OS X and to the UNIX side of things here is a weblink with 8 tutorials for the UNIX Terminal Command Line.

I have found it easy to follow, just open a Terminal window and follow along on the web page. You will have to substitute some filenames in place of some that are used in the tutorials, for example tutorial 2 wants you to copy and move a file named *science.txt*, that file is not on your system. You could either use another .txt file in its place, or click on the link within the tutorial to download the file.

Hope this helps!

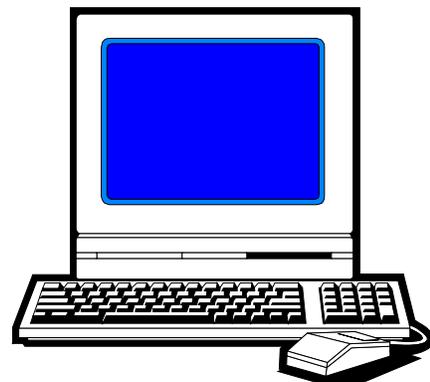
<http://www.ee.surrey.ac.uk/Teaching/Unix/index.html>

A good command line command reference page, for those who dont have books handy.

<http://www.westwind.com/reference/OS-X/commandline/>

Herb Schilling visited Kiplinger.com and suggested that you visit the following URL:

<http://www.kiplinger.com/magazine/archives/2003/February/spending/mac.html>



Printing to Windows Shared printers in 10.2

by: Jason Pinoniemi

The following 3 steps work for connecting to a shared printer on a Windows 98 machine:

Step 1: enable SMB printing from the command line:

```
sudo ln -s /usr/bin/smbpool /usr/libexec/cups/backend/smb
sudo killall -HUP cupsd
```

Step 2: download and install Gimp-Print for OSX. I used version 4.2.4 and it worked fine with an HP LaserJet 3. Use this link for the download: <http://gimp-print.sourceforge.net/MacOSX.php3>

Step 3: setup shared printer in the OSX Print Center:

1. Launch Print Center
2. Hold down the option key while clicking the Add button.
3. In first pop-up menu, choose Advanced.
4. Pick "Windows Printer via SAMBA" in the "Device" pop-up menu.
5. Enter a name of your choice in the "Device Name".
6. Enter the URI in "Device URI". For example: smb://HOST/Sharename; smb://ETEST6/ETEST6LJ3.
7. Pick the printer vendor from the Printer Model pop-up menu. If you have an older printer, Gimp-Print will have installed the older drivers for you, for example an HP LJ 3 is not included by default, but is included with the Gimp-Print install.

You should be able to print to your shared Windows printer after these 3 steps. Failure to install the Gimp-Print drivers, or using a "Generic" driver instead of a specific printer driver will result in PostScript errors and many pages filled with garbage print. This configuration was tested with OS X 10.2.3, and Windows 98 IDE 2.0.

To connect to a shared printer on a Windows 2000 machine follow these steps:

Step 1: enable SMB printing from the command line:

```
sudo ln -s /usr/bin/smbpool /usr/libexec/cups/backend/smb
sudo killall -HUP cupsd
```

Step 2: download and install Gimp-Print for OSX. I used version 4.2.4 and it worked fine with an HP LaserJet 3. Use this link for the download: <http://gimp-print.sourceforge.net/MacOSX.php3>

Step 3: setup shared printer in the OSX Print Center:

1. Launch Print Center.
2. Click on Add.

3. Select "IP Printing" from the drop-down menu.
4. Type in the IP address of the PC that is sharing the printer.
5. Uncheck the "Default Queue" check box.
6. In the Queue Name box, enter the share name of the printer, for example ETEST6LJ3.
7. Pick the printer vendor from the Printer Model pop-up menu. If you have an older printer, Gimp-Print will have installed the older drivers for you, for example an HP LJ 3 is not included by default, but is included with the Gimp-Print install.
8. Your new printer should appear in Print Center.

You should be able to print to your shared Windows printer after these 3 steps. Failure to install the Gimp-Print drivers, or using a "Generic" driver instead of a specific printer driver will result in PostScript errors and many pages filled with garbage print. This configuration was tested with OS X 10.2.3, and the ODIN Windows 2000 load.

iLife and Keynote

Know anyone who's a teacher? Teachers in either K-12 or higher education institutions are eligible for a special deal from Apple.

Apple is offering a bundle of iLife and Keynote for the low low price of \$14.95.

Head on over to Apple at the following site

<http://www.apple.com/education/ilifeandkeynote/>

And check out the deal.

Additional details direct from Apple's site:

Program details

From January 29 through March 31, 2003, qualifying higher education faculty members in the United States can purchase iLife and Keynote for \$14.95 — a savings of \$113 off the regular education price.

Do I qualify?

To qualify for the program, you must be a full-time faculty member currently employed at a recognized two-year or four-year post-secondary institution and you must agree to have the software delivered to your institution address. A separate iLife and Keynote program is available for [K-12 Teachers](#).

How do I order?

To order iLife and Keynote, simply [apply online](#). We'll ask a few questions to verify you and your institution, and you'll need to complete your payment information. The rest is automatic. Faculty should receive iLife and Keynote within a week or two of placing their order.



Nifty Mac Links

ClassicStumbler 1.5 (Freeware - 01/16/2003)
AirPort companion software scans for all Wi-Fi networks within range
<http://www.versiontracker.com/moreinfo.fcgi?id=16949&db=mac>

BK Task Timer 2.0.5 (Shareware - 01/16/2003)
Tracks time spent on projects
<http://www.versiontracker.com/moreinfo.fcgi?id=17059&db=mac>

Kids Play 1.0 (Shareware - 01/16/2003)
Speak & display letters and numbers as small kids type them
<http://www.versiontracker.com/moreinfo.fcgi?id=17935&db=mac>

Advanced Team Scheduler 5.0 (Shareware - 01/16/2003)
sports scheduling software
<http://www.versiontracker.com/moreinfo.fcgi?id=4406&db=mac>

Mail Convert 2.5.4 (Shareware - 01/16/2003)
Convert form email submissions to tab delimited text
<http://www.versiontracker.com/moreinfo.fcgi?id=17934&db=mac>

Tron X 1.1 (Freeware - 01/16/2003)
snake game
<http://www.versiontracker.com/moreinfo.fcgi?id=16406&db=mac>

Mac Invaders 1.12 (Shareware - 01/16/2003)
Space Invaders game
<http://www.versiontracker.com/moreinfo.fcgi?id=17927&db=mac>

ZeboPhoto 1.1.5 (Shareware - 01/16/2003)
Image viewer/editor, slideshow, print layout...
<http://www.versiontracker.com/moreinfo.fcgi?id=17214&db=mac>

CloakIt 1.0 (Shareware - 01/16/2003)
makes private folders invisible/visible, with password protection
<http://www.versiontracker.com/moreinfo.fcgi?id=17924&db=mac>

English German Thematic Dictionary 1.0 (Freeware - 01/16/2003)
dictionary module for 'Verbs & Nouns'
<http://www.versiontracker.com/moreinfo.fcgi?id=17920&db=mac>

Creepy Mines 1.2 (Shareware - 01/16/2003)
brick wall game
<http://www.versiontracker.com/moreinfo.fcgi?id=17155&db=mac>

Twins Cards 1.2.5 (Freeware - 01/16/2003)
Cards game to find all the matching pairs of cards
<http://www.versiontracker.com/moreinfo.fcgi?id=15528&db=mac>

Owari 1.3.5 (Shareware - 01/16/2003)
West African bead game
<http://www.versiontracker.com/moreinfo.fcgi?id=15343&db=mac>

Froggy's Songs 1.2.5 (Shareware - 01/16/2003)
funny froggy memory game
<http://www.versiontracker.com/moreinfo.fcgi?id=15734&db=mac>

Fixation 2.1.1 (Freeware - 01/15/2003)
Internet chess client used on the ICC and FICS networks
<http://www.versiontracker.com/moreinfo.fcgi?id=1652&db=mac>

Deluxe Klondike 3.5.1 (Shareware - 01/15/2003)
classic solitaire game
<http://www.versiontracker.com/moreinfo.fcgi?id=17912&db=mac>

Connectix Virtual PC 6.0.1 (Update - 01/15/2003)
Run Windows applications on a Mac
<http://www.versiontracker.com/moreinfo.fcgi?id=1006&db=mac>

UniHelp Module 1.4.1 (Shareware - 01/15/2003)
Cross-Platform Help Engine for REALbasic Apps
<http://www.versiontracker.com/moreinfo.fcgi?id=14286&db=mac>

OS X: Any Applications I Can Really Use?

by Melissa McGuire

Here's a list of some of the programs I have been using (as have others in the office) that work great:

(1) For a great text editor: BBedit. They have version 7.0 out now and it works flawlessly with OS X.

<http://www.barebones.com/products/bbedit/index.shtml>

(2) Absoft does indeed have their compiler out for OS X. It's been working for a while now. :) It's pro-fortan version 8.0 and it's really good. Our whole group has been using it.

<http://www.absoft.com/newosxproductpage.html>

(3) can't forget Apple's own X11 software. I had been using a combination of OroborOSX and xDarwin/xFree86 to get the X11 window stuff so I could hook up to Unix boxes, but now I am testing out Apple's X11 stuff. Here are links to all of them:

(a) OroborOSX <http://www.dreamind.de/oroborus.shtml>

(b) XFree86 <http://xfree86.org/> is a free implementation of the X Window System, has been ported to Darwin <http://www.publicsource.apple.com/projects/darwin/> and Mac OS X. Clickable installers of Xfree86 are available at the following site

http://sf.net/project/showfiles.php?group_id=18034&release_id=71056

(c) You can get a copy of xDarwin from the following site:

<http://mrcla.com/XonX/>

(d) Apple's version is here <http://www.apple.com/macosex/x11/>

(4) Although it's a beta, I have also been playing with Safari. I like it. The only trouble is that it doesn't have the security stuff built into it yet so I can't use it for a lot of sites on lab.

<http://www.apple.com/safari/>

KaleidaGraph for OS X

Synergy Software is pleased to release KaleidaGraph for Macintosh version 3.6! KaleidaGraph 3.6 adds 10 new statistical tests, improved exporting of graphics, **native OS X support**, interface improvements, and much more! These features will benefit users of Mac OS 8.6, 9.x, 10.1.3 and newer.

Registered users of KaleidaGraph for Macintosh, may upgrade for only \$49.95 and/or crossgrade to Windows for \$75.00 (Windows upgrade is in the works and will ship in the 2nd Quarter 2003). New KaleidaGraph users may order KaleidaGraph electronically for only \$160 corporate or \$125 academic.

Improve your productivity - start using KaleidaGraph for Macintosh v.3.6 today!

RAS vs. VPN: What Is The Difference?

by Rafael Sanabria

Let me try to explain RAS and VPN since there seems to be some confusion on these terms.

At Glenn we support two connection methods from outside the grc.nasa.gov domain. The first one is dial-in thru our modem bank. This first method traditionally has been called RAS (Remote Access System). The second method is through a VPN (Virtual Private Network) and is used for people with DSL, Cable Modem, or from a remote LAN (outside of the grc.nasa.gov domain).

So when people talk about RAS they might be talking about modem-RAS or VPN. They are different methods.

Modem-RAS works fine under Mac OS 8.x thru Mac OS X!!! The only problem is speed; usually under 40,000 baud:-) The OS provides the tools for connecting through the modem. GRC is your ISP in this case. You cannot use your local ISP (AOL, Exchangenet, Core, etc.) while using the GRC modems.

VPN works through a client that is installed on your Mac (or PC) and creates an encrypted tunnel between your outside-the-GRC-domain Mac and the GRC domain. This client (InfoExpress vsclient) is available for free for Macs and PCs. The catch is that no client exists (yet) for Mac OS X :-) The client works under Mac OS 9.x and below! The advantage of VPN is that with a fast internet connection you can reach the GRC network at speeds that can be close to 50 times faster than a modem connection. You also have the benefit of continuing to connect to the internet through your ISP. The vsclient routes calls to grc.nasa.gov through the encrypted tunnel and lets everything else pass on the clear!!

To clarify, the VPN client software supports both dial-up and broadband connections. Since I don't have broadband, I dial into my local ISP and use VPN to access GRC internal systems. This is better than using the GRC dial-in line because it is faster, more reliable, and I can access Internet services that are otherwise blocked by GRC.

InfoExpress vsclient is the *ONLY* solution that we support at GRC. Mac OS X provides support for IPsec but that is not currently supported at GRC. So, if you see people talking about VPNs, remember that not all VPNs are the same.

InfoExpress currently is trying to develop a Mac OS X client. The client is close to being beta!

So, to answer any questions: If you only want modem connectivity, the version of the OS is not important; if you want VPN connectivity, OS X is not there yet!

I hope this helps!!!

RAS

<https://www.acs-odin.com/grc/TeleNetServ/RAS/index.htm>

VPN

<https://www.acs-odin.com/grc/TeleNetServ/VPN/index.htm>

ODIN OS X Help Page:

http://www.odingrc.com/Infrastructure/MacOS10_2Docs.htm