



The NASA Glenn Research Center Macintosh User Group

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Officers

Melissa McGuire
President

Melissa.L.Mcguire@grc.nasa.gov

Ward Souders
Vice President

Ward.Souders@grc.nasa.gov

Lisa Madden
Secretary/Editor

Lisa.Madden@grc.nasa.gov

Michael Mills
NASA Apple Rep
mills.m@apple.com

I am sorry it took so long to get another newsletter together for the mac community here at Glenn. It is my fault. I've been busy.

However, here it is. I hope you enjoy the bits of information, reviews, internet links, and everything included within these pages.

We need your help, however. As you can tell when you page through this newsletter, the major contributor is Melissa McGuire. If we are to continue with this publication, we need more people to become involved. It is great to read all the wonderful articles, but it takes time to research them and then write them.

Please do not hesitate to contact me if you have used a new program (or an older one), found a good deal somewhere, want to sell equipment, or anything macintosh related.

Also, for those who have made the leap to OS X, please do not forget the Learning Center has CDs for the operating system as well as the Microsoft Office products. Make use of these materials, and please put in suggestions for other learning tools. The VCIM library is also a good source for books on many subjects. Contact Kelly Heideman for more information.

On a personal note, I made the plunge into the laptop world and bought my first laptop compute: a mac of course! I am now the proud owner of a 12" G4 powerbook. So far I love it!

Otherwise, that's it from me. Enjoy the newsletter, and please excuse any typos or other boo boos. It is late and i really should be sleeping.....

—Lisa Madden, Editor

President's Corner

OS X is Finally Here

Well, by now, hopefully most of you have at least had the opportunity to have your Macs upgraded to OS X. It's been quick

on the email list. I hope that means everyone is figuring out the differences smoothly. In the future, perhaps folks won't be so shy about posting their questions to the email list. that is what it is for, afterall.

I've been running it here myself, and with the ODIN installation, have had only a few troubles that weren't there when I was beta testing with Apple's installation. If anyone runs into something not quite working, I encourage you to call it into the helpdesk and log a ticket. This will help the ODIN folks to figure out any potential bugs that might be hindering a lot of people, and not just you. I know that not everything is working or available yet under the ODIN OS X solution, but they are working on it. Keep on posting your requests and comments to the gmug list as well as contacting the helpdesk or the Customer Outreach Advocate office.

Apple's been concentrating on the music biz this year, with iTunes4 and a newly re-designed iPod. If anyone out there has tried

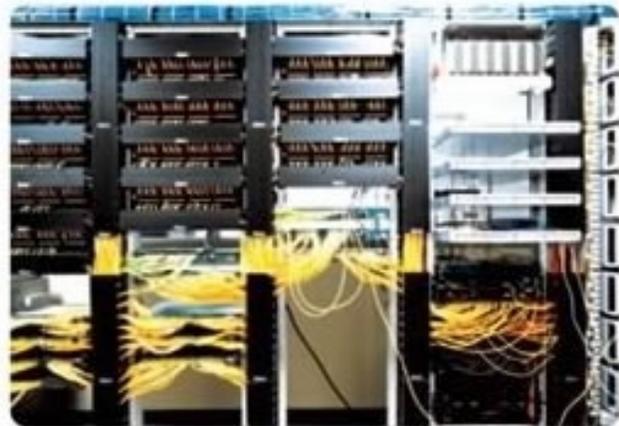


either, we'd love to hear from you in a short article.

This year is will probably be a light one in terms of MUG activities. Adjusting to motherhood has left less time for MUG business for yours truly. However, I don't want to let things slide for too long. If anyone has a suggestion for a MUG meeting topic, or wants to demonstrate something, let any of the officers know and we'll make it happen.

Hope to hear from you all soon and enjoy OS X and the future of Apple software, as well as the future of Macs at NASA. It's beginning to look like we're here to stay.

—Melissa McGuire, President



Website Available for IT Managers

Introducing a New Apple Website for IT Managers Apple has launched a new website aimed at IT managers. The website is designed to provide technical resources for integrating Mac OS X. To view this new website, visit:

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

Mac OS X Hints: Jaguar Edition

The 500 Most Amazing Power Tips

By *Rob Griffiths*

April 2003

0-596-00451-6, Order Number: 4516

478 pages, \$24.95 US, \$38.95 CA, £17.50 UK

Review by: *Melissa McGuire (GMUG President)*

The Mac OS X Hints book is pretty much what it says it is: a book of hints. It is not intended to teach you how to run OS X (i.e. logging in, or switching over from OS 9). It is not intended to be read from cover to cover, but rather flipped to as a reference when needed.

In this way the book is excellent. I spent a little time reading the introduction and already learned some tricks. A lot of work is spent on using the terminal, so I'd put this book in the intermediate level of Mac user. If you're not comfortable using anything other than the GUI, you might want to steer clear of some of the chapters. If you're looking for the beginning how to for OS X, another book might be more suited to your needs.

Several chapters are spent going through third party software and making them work in OS X (other browsers, newsreaders, etc). I appreciated this. Not only was having the hints helpful, but having the information about this other software was as well.

Rob Griffiths style of writing is simple and to the point. The read is enjoyable, and stays away from being confusing without being too elementary. I wonder where he learned of all of the hints he tracks in the book, because they certainly aren't documented. For example, through some editing of system level files, you can turn on an icon in your menu bar (called menulets) to eject a disk with the click of a mouse. This is an excellent backup should your keyboard ever "disappear" and along with it, the eject button on that upper right hand corner.

Many of the tips and tricks require the user to be an administrator of his/her machine. This might leave a lot of folks out here at the lab where being an administrator is not the standard ODIN installation. Try your hand at these tricks on your own machine at home.

One right in the beginning of the book that I found terribly helpful is burning a multisession CD. I had thought that I'd only be able to do this with Toast or some other third party burning routine. According to the tip, using Disk Copy to burn a series of Images to the CD. This, essentially, makes your CD now a multisession one. Each time it loads to the desktop, it will show up as multiple CD. Many of Rob's tips can be found on his web site. For example, here's some on speeding up iPhoto, burning a multisession CD, and more.

<http://www.macdevcenter.com/pub/a/mac/2003/06/03/macosexhints.html>

Rob also keeps a site listing all sort of OS X hints and tips. Head on over to <http://www.macosexhints.com/> and enjoy.

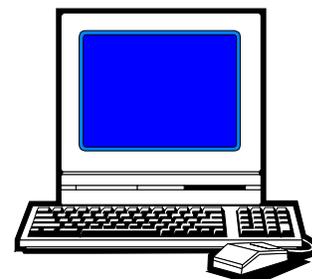
As an addition to your OS X library, I highly recommend this book. The tips are straightforward and detailed. If you're worried about editing files, the instructions are very clear and easy to follow. Remember, always make a backup before editing things. The writing is humorous and the tips range from the fun and frivolous to the downright useful. I plan on diving through the rest of the book to see what neat things I can amaze my friends and family with as well as improve my iPhoto and iMovie projects!

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****Group purchases with better discounts are available****

And Remember, I can get a hold of review copies from O'Reilly if you're willing to do a review of the book (like this one). So if anyone out there would like to do a review, please let me know and I will see what I can do.



Macintosh Home Networking Setup

**(Sharing a single Cable Modem connection)
by Melissa McGuire
May 2003**

Note: the below review is the opinion of the author and does not represent the opinion of NASA.

When my mother got high-speed cable modem at her house, she asked me to help get her iMac and iBook (and airport) all online sharing this high speed connection. The following is a short description of what I did to make this work. I will try to capture the hardware used and any links to helpful networking sites out on the Internet. This is not the only way to do things, but it is the solution that I got to work.

One thing to keep in mind in doing this, if things don't work right away, cycle the power of the cable modem, router, whatever you have hooked up. For reasons unknown to me, things often work better if they get a quick on/off of their power.

Hardware:

Cable Modem

Linksys 4-port Router

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

<<http://www.linksys.com/Products/product.asp?grid=34&scid=29&prid=20>>

Apple Airport base station (original model, not the airport extreme)

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

Apple iBook (Combo drive, dual USB) with airport card, running OS X

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

Apple Grape iMac 266, running OS X

<<http://www.lowendmac.com/imacs/imac-c.shtml>>

Before the cable modem (and high speed connection), we had a small Airport network with a dial-up ISP (Earthlink) and the Airport base station doing the DHCP routing of the dial up connection to the iMac (via cross over cable in the Ethernet port) and iBook (wirelessly).

With the introduction of the cable modem, the Ethernet port was no longer available to the iMac. So we got a router to put in between the cable modem and the airport, thus allowing both items to share the connection. Eventually we'll also add an old HP PC into the connection, but this is proving a little more time consuming to figure out. More on that later.

The Cable Company hooked up the modem, and to test it, we hooked its Ethernet out directly into the grape iMac. OS X automatically sensed the connection and pulled down the connection information. We were online without having to type a single thing! It was a proud Mac moment for me as the cable guy incredulously looked at the system preference window already filled in with the subnet, router, IP information. Yes, OS X just works! He'd never hooked up a Mac before, let alone an OS X box.

Next we hooked it to the airport to test it. Aside from having to power cycle the cable modem to get the on-board router to re-sync itself, the iBook was able to set up the airport base

station via the Airport Setup Assistant. Again, no typing required.

But that still left a situation where only one or the other Macintosh could be online at a time. Next stop, router.

We plugged the cable modem into the router, and then the iMac into one of the four ports on the router. Nothing. I was expecting the iMac's OS X to auto-sense the information again. It did, but no actual signal came from the router. Tested the airport plugged into another of the router's plugs also led to nothing.

Finally, we power cycled the Cable modem yet again, and the router finally picked up a signal and was able to DHCP it out to both the iMac and the airport (and iBook). Both are online and work like a charm. Only thing left in this little network is to get the two machines on the same subnet (via the web-browser-enabled router controls) so that they can use printer sharing to use the same Epson inkjet printer. More on this in another column.

The only thing that is left for us to do is to try to get the old HP PC upstairs hooked into this network. It lacks an Ethernet card, and it's also in another room. Running an Ethernet cable up to it is possible, but adding more money into this already very old PC might not be the best solution. We've tried a Microsoft USB antenna but Windows 98 won't recognize it. We're still working this. Perhaps I'll send in another article when we get it to work.

Other Home Networking Web Site references:

(1) Mac OS 9.1 and OS X Home Networking

Connect your Mac to your PC network for Internet Sharing By Bruce Brown

<http://www.extremetech.com/article2/0,3973,479,00.asp>

(2) Network Topology Guide Learn more about each network type (topology)

<http://www.homenethelp.com/network/index.asp>

(3) Building Your Own Home Network

<http://www.wakeolda.com/steve/home.htm>

(4) Designing Airport Networks OS 9

<http://docs.info.apple.com/article.html?artnum=75138>

(5) AirPort Base Station (Graphite): How to Set Up File Sharing Between AirPort and Ethernet Computers

<http://docs.info.apple.com/article.html?artnum=106016>

(6) AirPort Base Station (Graphite): How to Set Up Bridging When Using a Cable Modem

<http://docs.info.apple.com/article.html?artnum=106021>

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

Nifty Mac Links

Praeco 1.7.7 (Shareware - 07/08/2003)
Monitor, search, bid, and snipe on eBay auctions
<http://www.versiontracker.com/dyn/moreinfo/mac/15780>

GolfCard 3.0 (Shareware - 07/08/2003)
Utility for storing golf scorecards
<http://www.versiontracker.com/dyn/moreinfo/mac/17555>

TrainingLog 1.1 B2 (Beta - 07/08/2003)
Athletic training session log
<http://www.versiontracker.com/dyn/moreinfo/mac/19422>

MacFamilyTree 3.6b5 (Beta - 07/08/2003)
Genealogy software
<http://www.versiontracker.com/dyn/moreinfo/mac/8672>

LiSA 2.4.2 (Shareware - 07/08/2003)
Speaks in voice when you have mail announcing who from
<http://www.versiontracker.com/dyn/moreinfo/mac/16705>

textSOAP 3.3 (Shareware - 07/08/2003)
intelligent text filters to clean up text & email formatting
<http://www.versiontracker.com/dyn/moreinfo/mac/4458>

JewelCasellustrator 1.9.8 (Shareware - 07/08/2003)
Creates CD labels, tray liners & booklets
<http://www.versiontracker.com/dyn/moreinfo/mac/14792>

eOrdering Gold 2.0 (Shareware - 07/08/2003)
Multi-option e-commerce shopping cart
<http://www.versiontracker.com/dyn/moreinfo/mac/12204>

eOrdering Professional 2.0 (Shareware - 07/08/2003)
Multi-option e-commerce shopping cart
<http://www.versiontracker.com/dyn/moreinfo/mac/15791>

CopyPaste 4.5.1 (Shareware - 07/06/2003)
Allows for multiple clipboards & other useful features
<http://www.versiontracker.com/dyn/moreinfo/mac/1034>

Starfish 2.0 (Freeware - 07/06/2003)
Generates unique desktop patterns
<http://www.versiontracker.com/dyn/moreinfo/mac/11256>

TGEmu/MacOS 0.2.1 (Freeware - 07/06/2003)
NEC PC engine emulator
<http://www.versiontracker.com/dyn/moreinfo/mac/9983>

Arnold/MacOS 1.6.1 (Freeware - 07/06/2003)
CPC/CPC+ emulator for Macintosh
<http://www.versiontracker.com/dyn/moreinfo/mac/12079>

O2Em/MacOS 1.0.1 (Freeware - 07/06/2003)
Odyssey^2 emulator for Mac OS
<http://www.versiontracker.com/dyn/moreinfo/mac/11133>

SMS+/MacOS 1.0.1 (Freeware - 07/06/2003)
Sega Master System and Sega Game Gear emulator
<http://www.versiontracker.com/dyn/moreinfo/mac/8131>

ABalloon 2.0.2 (Freeware - 07/06/2003)
PowerPlant source code for help tags
<http://www.versiontracker.com/dyn/moreinfo/mac/46>

Member Organizer 3.0 (Shareware - 07/06/2003)
Tool to track an organization's membership
<http://www.versiontracker.com/dyn/moreinfo/mac/11787>

SnackBar Organizer 4.5 (Shareware - 07/06/2003)
Point of sales tool to run snack bars
<http://www.versiontracker.com/dyn/moreinfo/mac/14960>

CloakIt 1.2.1 (Shareware - 07/09/2003)
makes folders invisible/visible with password protection
<http://www.versiontracker.com/dyn/moreinfo/mac/17924>

QuickFind 3.1 (Freeware - 07/09/2003)
Fast powerful search on local volumes.
<http://www.versiontracker.com/dyn/moreinfo/mac/16940>

Apple support of OBPR Library Tour of America

From: Richard DeLombard <Richard.DeLombard-1@nasa.gov>

Here at Glenn, the Microgravity Science Division works with the HQ Office of Biological and Physical Research (OBPR). OBPR is sponsoring a library-based exhibit across the country which is being supported by Apple. The Ohio libraries will be Bowling Green in October 2003 and January 2004 in Columbus.

An excerpt is below. This sounds like an HQ display at EAA Oshkosh a few years ago which was quite popular with the public. Each station had a iMac (CRT at that time).

HQ contact is: Elsie Weigel <eweigel@mail.hq.nasa.gov>



June 3, 2003

American Library Association/NASA/Apple ISS Research Exhibit Tour SYNOPSIS

Exhibit Content

Beginning in July 2003, OBPR will begin holding "NASA Month" concurrently in 5 regions throughout the United States. Librarians will introduce space research to the local community with a mini I-Mac light tower exhibit, and a special weekly plasma screen presentation highlighting what OBPR has contributed to American: (1) health, (2) home/transportation, (3) agriculture/environment, and (4) commerce. The four plasma screen presentations are in production and will be finished on June 16.

Apple Contributions

Apple will pay for the logistics and mechanics of moving the exhibit throughout the U.S. and contribute new 14" "Way Cool Flat Screen" Apple Computers to convey NASA's message.

Library Activities

Various segments of the public will be invited to come to the library and bring their children: (1) to find out what benefits NASA (OBPR) has brought them through research in the past decades, (2) to interest their children in OBPR science subjects, (3) to discuss opportunities for careers in OBPR fields, and (4) to check out books relevant to their interests in the space program. The libraries will be given a stipend (from the OBPR grant) to enhance their book/electronic source collections, and will host various social and academic activities of their choice. In addition, a new web site created by the American Library Association, called NASA @ your library, will be released, introducing OBPR to the public "through a librarian's eyes." The site has been created by ALA to engender interest in ISS research through cartoons and various electronic activities, lists of reading material, information on careers, etc.

Disk on Key Storage on the Go

by Melissa McGuire

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



Ever wanted to take files from one computer to another that were too big to email, or took too long to email on a slow modem connection? Didn't want to burn a whole CD for one file of 5MB? A simple and easy way is now a relatively low cost solution as well.

With the advent of digital photography, flash RAM drives have become cheaper and cheaper. A new application of these drives is the USB keychain storage device. Just plug this small drive into your USB port, and a small "hard drive" mounts on your Mac (both OS X and OS 9) letting you drag and drop files at will. They come in various sizes, as does Flash RAM for cameras, and various prices.

Recently I became the proud owner of a Disk On Key by Smart DiskOnKey. I opted for the 256MB storage capacity, and at less than \$150, I think this was a pretty good buy. You can buy them directly from the Apple store, as well as several other vendors. <<http://store.apple.com>>



In a later article, I'll try to recreate what Mike Mills did in one of his Apple presentations several months ago. Apple's Disk Copy Utility can be used to create a password protected volume on the key, so that anything saved there is encrypted and must be unlocked before accessing; a neat little security feature.

Currently I have formatted my key to be able to be read from Windows computers just in case I have to transfer files to a PC. So far I haven't had a need, but it's a good precaution anyway.

I have no complaints about my key storage. I just wish I'd had it sooner.

Note: the above review is the opinion of the author and does not represent the opinion of NASA.



Resurrecting Laptop Batteries

sent in by Melissa McGuire

There are some tips that are too good to pass up (and too good to not pass along). Such a tip was published on Ric Ford's MacInTouch website (www.macintouch.com) a few weeks ago.

MacInTouch reader Rob Wyatt has a 600MHz white iBook with an apparently dead battery. After doing everything he could to resuscitate the battery -- reseating it, zapping the iBook's PRAM, and resetting the Power Manager -- he booted the iBook into Open Firmware by pressing Command-Option-O-F at startup and first typing "reset-nvram," pressing the Return key, and then "reset-all."

When the iBook restarted, the battery was recognized and recharged perfectly. Subsequent readers confirmed that the technique revived batteries they too had given up for dead.

To see the tip at Macintouch, go to:

<http://click.macworld.email-publisher.com/maabfTraaZbV0bV6ohkb/>

The MUG Store has been completely redesigned for your shopping convenience. To celebrate, the MUG Store is offering instant rebates exclusively to User Group members.

So if you haven't surfed over to the MUG Store in a while, check it out. It's a great place for good deals and excellent service. And don't forget that one percent of the cost of anything your membership purchases is available back to each user group towards anything the MUG Store sells.

The MUG Store will take any older iPod in trade toward one of the recently introduced new models! Upgrading to the latest and greatest iPod may be easier and cheaper than you thought. Call 800-689-8191 for complete details.

Current and future passwords:

4/1/2003- 6/30/2003- User ID: yao / Password: ming

7/1/2003- 9/30/2003- User ID: apple / Password: music

<http://www.applemugstore.com>

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