

# MUGShots

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## Where the Chips May Fall!

Date-line: August 7, 2006 World Wide Developers Conference  
By: Stan Horwitz

During his keynote speech at the World Wide Developers Conference 2006 (WWDC2006), Steve Jobs unveiled two new products. Effective immediately, Apple is not producing any more IBM G5-based Macs. Apple has completed its move from IBM to Intel processors only seven months after the first Intel-based Macs were introduced.



The first line of PowerMac G5 Macs was introduced in June 2003 and they were amazing in terms of features and speed. Although the PowerMac G5 is a fantastic computer line, it never achieved the speed that professional Mac users need and that Apple promised. With that in mind, Steve Jobs finally announced the 64-bit dual-core Intel-based Mac Pro this month. As a result, IBM's G5 chip is past history for Mac users. Those who insist on buying a new computer equipped with an IBM G5 need to buy an Xbox 360 video game player from Microsoft! Intel's 64-bit Xeon chip is at the heart of Apple's new professional Mac Pro platform and its performance specs are impressive!

The Mac Pro isn't the only new product that Steve Jobs announced at WWDC2006. As promised last spring, Steve Jobs also unveiled Mac OS X 10.5, which is Apple's new operating system, code named Leopard. Mac OS X 10.5 offers several new features. Two of the most interesting new features in Leopard are "Spaces" (see the photo on this page) and "Time Machine."

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***We Need You!***  
*Please help make MUGShots better.*  
*Please contribute ideas or articles*  
*You do not have to be a guru to write an article.*  
*More more information, contact stan@temple.edu*

**Leaders On Line**

- Bill Achuff..... UserGroups@aol.com
- Jim Anderson..... andersonj@rowan.edu
- Joan Balster..... jbalster@gccnj.edu
- Maria Arguello..... arguello10@comcast.net
- Carole Dadino..... carolar@jersey.net
- Nate Gable..... nagable@comcast.net
- Gerry Harpole..... ger316@earthlink.net
- Stan Horwitz..... stan@temple.edu
- Don McGinnis..... macginnis@mac.com
- Frank Petrie..... phranky@mac.com
- Frank Santoro..... calcio@comcast.net
- Walt Vennell..... ragamuffin@comcast.net

**Worth the Surf**

Here are a few web sites that any Mac user should be aware of:

**Technical Support**

- [www.mugsnj.org/links](http://www.mugsnj.org/links)
- [www.macfixit.com](http://www.macfixit.com)
- [www.macentral.com](http://www.macentral.com)
- [www.apple.com/macosx/resources](http://www.apple.com/macosx/resources)
- [www.powerpage.org](http://www.powerpage.org)

**Software Downloads**

- [www.versiontracker.com](http://www.versiontracker.com)
- [www.apple.com/downloads/macosx](http://www.apple.com/downloads/macosx)
- [www.macupdate.com](http://www.macupdate.com)

**Hardware**

- [www.smalldog.com](http://www.smalldog.com)
- [www.jandr.com](http://www.jandr.com)



## September Meeting:

**Please join us on Sept. 27<sup>th</sup> for  
A Demo of Backup Software!**

Stop by to learn about you can protect  
the data on your Mac from being lost if  
your Mac experiences a hardware  
problem or it gets stolen.

See the last page for the meeting's  
location and a map.

### Why Join MUGSNJ?

Membership in MUGSNJ  
offers several benefits!!

1.

Free Workshops

Free tech support

Member Discounts

Fellowship

Mac Usage Ideas

Discounted Subscriptions

MUGShots Newsletter

Special Interest Groups

(SIGS)

## UPCOMING EVENTS

Information about  
South Jersey Apple Users Group  
meetings is at [www.sjaug.org](http://www.sjaug.org)

Apple Store in Marlton  
August 31<sup>st</sup> at 5:00 PM-6:00 PM  
iLife '06 Workshop

Apple Store in Marlton  
September 2<sup>nd</sup> at 5:00 PM-6:00 PM  
GarageBand

CompUSA in Mt. Laurel  
September 2<sup>nd</sup> at 12:00 PM-1:00 PM  
.Mac: Its all about Internet and Sharing

Main Line Macintosh Users Group  
September 9<sup>th</sup> at 10:00 AM-12:00 PM  
Mac Home Automation  
See [www.mlmg.org](http://www.mlmg.org) for details

Princeton Macintosh Users Group  
September 12<sup>th</sup> at 7:30 PM-9:30 PM  
Starry Night Astronomy Software  
See [www.pmug-nj.org](http://www.pmug-nj.org) for details

CompUSA in Mt. Laurel  
September 23<sup>rd</sup> at 12:00 PM-1:00 PM  
Mac Pro, ultimate professional desktop

A list of additional workshops  
is available on the following web site:  
[seminars.apple.com](http://seminars.apple.com)

## Secretary's Corner

Not much to share about MUGSNJ. It looks like I finally found our cabinet. It's being stored in a secured closet with the College's valuables. To have access to it, we have to request an accessible place to store it. I was informed that MUGSNJ has access to three Video Cameras, One Digital, one Super 8 and one VHS. At this writing, we haven't received any information about a permanent meeting room after August's meeting.

You have no idea how much time Stan and I spend to make sure you'll not only be informed, but also proud of our group's newsletter. If you think the information and reviews are helpful, please let us know. At this point we're considering options from a monthly two page newsletter with only MUGSNJ information and a quarterly larger newsletter.

I was bragging to friends that Mac users don't have to worry about "hot" batteries because Apple is extremely careful to assure their products are safe. Unlike Dell, the Mac recall affects only a small amount of computers. (See pages 7 and 13.) I checked on line and my iBook G4 does not have the "hot" battery.

Larry and I were walking the Cherry Mall Hill Mall last month and saw the big white Apple on a black background in front of one of the store fronts. I thought the opening of an Apple Store in Cherry Hill was just a rumor so I was quite surprised to see it. With the Mt. Laurel Apple Store so close, I wondered why they had chosen that location instead of the Deptford Mall. I checked out info on when it will open and a few "Apple News" sites claim that plans for the store have been cancelled. I guess the powers To Be at Apple felt the same as I did. I wonder what we can do to get an Apple Store in Deptford?

Atlantic City welcomed a new Apple Store on Saturday, August 19<sup>th</sup>, at 11:00 AM.. According to the store's web site ([www.apple.com/retail/thepier](http://www.apple.com/retail/thepier)), it is located at The Pier at Caesars.

The first 1,000 patrons through the doors received free Apple t-shirts. Prizes for the Grand Opening Sweepstakes included a Digital Lifestyle Collection valued at US\$2,229, a 17-inch flat-panel Intel Core Duo iMac, an iPod nano, a Canon

PowerShot SD450 digital camera, a Sony Handycam CCD-TRV138, and an HP Deskjet 5440 printer. Because of the store's location it will be open, 11 a.m. to midnight every night.



Carole Dadino  
Secretary, MUGSNJ



**Our president, Walt Vennell telling us we had better behave, or else!**



**Maria O. Arguello deep in thought and Frank Santoro behaving.**

## Worldwide Developers Conference



Photo of Mac Pro from Apple.com

Spaces allows you to create an individual workspace for each project you are working on at a given time. For lack of a better explanation, you can think of a workspace as a collection of windows. For example, you can set up a workspace where you have Photoshop opened with several windows along with Adobe Bridge. You could have a second workspace open with windows from Microsoft Office to, perhaps work on a book you are editing. A third works

space can be opened with windows that pertain to a different project, such as maybe preparing a movie with iMovie HD.

With Spaces, you can switch effortlessly between each workspace, just like you can switch between different windows in Tiger.

Time Machine is a radically new file backup tool. With Time Machine, a copy of all of your data is automatically created for you. If you accidentally delete a photo in iPhoto, for example, you can get it back from one of Time Machine's five copies.

Other features in Leopard include a more powerful email application, an enhanced version of Spotlight and iCal, a new and more efficient Dashboard, to name just a few. Leopard is due out this spring and it will also include 64-bit support, as well as Boot Camp, Photo Booth, and Front Row. Steve Jobs also said that Leopard would also boast several new features that are being kept under wraps for now in an effort to delay their being copied by Microsoft.

Hopefully, Leopard will also include a better way to print documents and a new file system to replace the HFS+ (Hierarchical File System) that has been in use for well over five years. I hope Steve Jobs will unveil these two additional Leopard features this January when he gives the keynote speech at the Mac World Expo '07 in San Francisco, but only time will tell.

As far as the new Mac Pro computer is concerned, I am impressed with its specs. Every new Mac Pro includes a 64-bit Dual-Core Intel Xeon Processor. The Mac Pro comes in only one model; however, it can be configured in many different ways. The processor options include a 2, 2.66, and 3GHz dual-core processors. The base model includes a 2GHz processor. The Mac Pro is loaded with standard features, plus a huge array of different options can be added (at extra cost, of cost). Probably the only feature not available is an optical drive that can read and burn high definition discs, but I would be surprised if such an option is not available by the end of this year.

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A Hardware Review  
**LaCie Rugged All-Terrain Hard Drive**

Review By Maria O. Arguello



**Product: LaCie Rugged All-Terrain Hard Drive**

**Manufacturer: LaCie, LTD**

**Price: \$169.00**

**Minimum System Requirements: A computer with FW 400, FW 800 or USB.**

**Test System: Dual 2.5-GHz PowerPC G5, 4 GB DDR SDRAM, OS 10.4.7 and MacBook Pro 2.0-GHz, 2 GB RAM, 100-GB HD**

**Review date: September, 2006**

**Overall Rating: 4.5 out of 5 apples**

**Design Rating: 5 out of 5 apples**

I fell in love the moment I saw the LaCie Rugged All-Terrain Hard Drive, gorgeously designed by industrial designer Neil Poulton. It has an orange shock-resistant rubber bumper and a protective aluminum shell for durability. It is a looker; fast, durable and I had to have it. It comes in three sizes: 80/100/120 GB with varying rpm depending on the model. I am testing the 80-GB/ 7200 rpm/ 8 MB internal cache. The rear of the casing displays its three-way connection with socket plugs for the USB 2.0, FW 400, FW 800 and power connection.

The speed of copying files is very fast when using FW 800 (60 MB/s). It also mounts very quickly on the desktop with FW 400 (40 MB/s). I never use USB 2 (40 MB/s) when using this hard drive, I simply prefer FW whenever available.

I demoed it at the August, 2006 PMUG (Princeton Macintosh Users Group). It is great for taking on the road to back up or to transfer files. The Princeton color is orange, what a coincidence. Everybody loved

it. It works great with my Mac Book Pro and my dual 2.5 GHz PowerPC G5. I like the portability and ruggedness of this beautiful pocket drive. It is replacing my older 60-GB pocket drive, which recently died.

And don't forget that LaCie gives a free software application called Silverkeeper™ for automatic backup and file verification with Mac OS 9 & Mac OS X. It comes with four cables: FireWire 800 (9-to-9 pin), FireWire 400 (6-to-6 pin), Hi-Speed USB 2.0 (USB 1.1 compatible), and a USB 2.0 power-sharing cable for systems where the USB Bus power is not enough. The Quick Start Guide is very helpful, clearly written, and easy to understand. I used it to find the correct format to suit my needs. I have Windows Professional XP installed on my MacBook Pro but I opted not to partition the drive to read Windows and Mac. I spend 99.9 % of my time on the Mac side and have my most precious files there. Therefore I formatted the drive MacOS Extended (Journaled). Clear explanations for other possibilities are easy to follow in the Quick Start Guide.

It also includes a CD-ROM with the following free software: LaCie 1-click Backup Software, SilverKeeper™ Backup Utilities (Mac OS 9, Mac OS X), Silverlining® 98 Drive Management Utilities (Windows 98SE), Silverlining® Pro Drive Management Utilities (Mac OS 9.x), User's Manual.

The enclosure can be re-used if the drive inside fails out of warranty. Simply buy a new one and put it in your beautiful case. At this rate, you'll always have the case to admire. That's what I did with an old LaCie pocket drive. I bought a new 2.5-inch hard drive, 80 GB this time, 5400 rpm, from Other World Computing, and put it in the case. It's a great way to reuse LaCie's cases. I buy a lot of hardware from OWC because their tech support is superb. They helped me choose the correct hard drive for this project. LaCie's tech support is also very helpful. They helped me with my questions about taking out the old hard drive and re-using the external case.

Continued on next page

## LaCie Rugged Drive

I would have liked for LaCie to have retained the activity light indicator the older models had to see hard drive activity. At least the light gave me an indication that it was on and something was happening. The green light would turn amber and flicker when I was copying or transferring files or when it was mounting on my desktop. The LaCie Rugged All-Terrain Hard Drive does not have an indicator light.

I had to wait a long time for this review unit because "It is a very popular item," said the LaCie representative and I don't doubt it. If you're looking for a reliable and a good-looking hard drive, buy this one. You will be the envy of your user group friends.

About the author:



Maria O. Arguello is president and vendor liaison of the Main Line Macintosh Users Group (MLMUG), member of, PMUG, NCMUG, MUGSNJ, SJAUG, and CCPMUG. Maria is the Apple User Group Regional Liaison for the Northeast United States, and the Liaison for Online Groups.

## 15-inch MacBook Pro Battery Exchange Program

Apple has initiated an exchange program for certain rechargeable batteries that were sold for use with 15-inch MacBook Pro computer systems from February 2006 through May 2006.

The affected batteries have model number **A1175** and a 12-digit serial number that ends with **U7SA**, **U7SB** or **U7SC**. To view the model and serial numbers, you must remove the battery from the computer. The serial number appears above the barcode.

[support.apple.com/macbookpro15/batteryexchange](http://support.apple.com/macbookpro15/batteryexchange)

## Bonus Tech Tip #1

By Stan Horwitz

Do you enjoy watching videos on the free YouTube video sharing service? If you are not familiar with YouTube, check it out at [www.youtube.com](http://www.youtube.com).

As soon as I tried YouTube, I realized there was no option to save YouTube's video clips on my Mac.

Fortunately, there is an "unofficial" way to save YouTube videos and convert them to QuickTime format.

First, go to [www.isquint.org](http://www.isquint.org) and download and install iSquint, which is donation ware. You will use iSquint later. Drop iSquint into your utilities folder.

Click the mouse pointer anywhere on the desktop, then press Command-Shift-G to bring up a "Go to the folder" window. In this window, type `/private/var/tmp/` and you will see the contents of that folder. You cannot use Spotlight to search this folder because it is hidden from Spotlight's ability to search.

In the `/private/var/tmp` folder, you will see a folder called `folders.501`. Open the `folders.501` folder. Each time you use Safari to watch a video clip via [www.youtube.com/](http://www.youtube.com/) a temporary copy of that video clip is stored in the `folders.501` folder. This file will be named `TemporaryItemsFlashTmp0000`.

Play the video clip all the way through. Do not close the browser window and don't click the back button.

Rename the `TemporaryItemsFlashTmp0000` file. The new name needs to end in `.flv`. For example, you could rename this file to `video clip 1.flv`.

Drag this renamed file on top of the iSquish icon. iSquish will start. In the iSquish window, adjust the video quality to the highest setting, then click the start button.

When the conversion process is done, you will get a Quicktime file. You can delete the `.flv` file and move the Quicktime file out of that `folders.501` folder.

## A Hardware Review Silver SATA I External Enclosure Review By Maria O. Arguello



**Manufacturer: WiebeTech**  
**Web Site: [www.wiebetech.com](http://www.wiebetech.com).**  
**Price: \$99.99**

**Minimum System Requirements: Macintosh OS X 10.2.8 or higher; Windows 2K, XP, Server 2003.**

**Compatible with PowerMac G4 & G5 with PCI or PCI-X.**

**Compliant with PCI revision 2.2.  
32-bit, 33/66 MHz host adapter interface.  
Requires a SATA hard drive(s).**

**Requires eSATA data cables for external use.**

**Test System: Dual 2.5 GHz PowerPC G5, 4 GB DDR SDRAM, OS 10.4.7**

**Overall Rating: **

WiebeTech's Silver SATA 1-, 2- and 5-drive SATA enclosures are durable and elegantly designed. I was impressed with the solid 'feel' of this enclosure. The silver metallic case with the patch of teal blue bearing the WiebeTech name adds a touch of class to the external design. This review covers the single-drive

SATA 1 External Enclosure with an empty tray. For the purpose of my review I tested a SIS-Tray-250.

It is a 250-GB Hitachi Deskstar, 7200-rpm, SATA hard drive (\$163.00-sold separately). eSATA connections are faster than FW 400 and 800 so you don't have to wait for your data. SATA data transfers on paper are up to 1.5 Gb/s compared to FW 400 and USB at 40 MB/s or FW 800 at 60 MB/s. Of course if you want faster there is the SATA II with interface speeds on paper of 3.0 Gb/s. Are these speeds myth or fact? There are many articles written that debate this point and to debate it here is beyond the purpose of this review.

You release the removable case with a key (included). I knew this was going to be a problem because where on earth does one keep a key for just that purpose? However, any fine point like a paper clip easily releases the spring to remove the tray. It is wonderful not having to push or pull or use force of any sort, but a button to release the tray would be better. The removable case is perfect for taking the drive with you and/or storing off site for protection. Hard drives are hot swappable and can be removed in seconds and be replaced by another.

Included with the Silver SATA I External Enclosure are a removable tray, eSATA cable, USB cable, AC adapter and wall cord, Stand, Drive screws, Key, Information CD.

In order to use the external enclosure with my PCI and PCI-X G5 PowerMac, I needed a SATA host adapter to connect and use the WiebeTech Silver-SATA I. I only wanted to use products developed, recommended or sold by WiebeTech for this review.

WiebeTech is shipping the WiebeTech Tera Card TCS1-1 PCI-X SATA host adapter for \$59.95. It provides one external and one internal SATA port for a PC or a Macintosh. I installed it in my #2 PCI card slot on my dual 2.5-GHz PowerPC G5, 4 GB DDR SDRAM, OS 10.4.7. The WiebeTech Tera Card TCS1-1 SATA host adapter utilizes the Silicon Image Sil 3512 chip which supports up to two SATA hard drives when using both ports. It has an external eSATA port and an internal SATA port.

Continued on next page

## Wiebetech SATA I Enclosure

The enclosed CD ROM came with a FLASHROM command tool that allows users to setup the host adapter to work on a Macintosh or a PC. I could not set it up. A call to WiebeTech support promptly diagnosed the problem and they immediately sent me the new drivers. You have to update the firmware first and then install the drivers. All this is done through Terminal. If you are timid about using Terminal, you'll need tech support. Otherwise, there are very clear step-by-step instructions with appropriate illustrations that make the process very easy.

For some reason using the Command-E to eject the hard drive does not work. You have to drag the disk icon to the trash to dismount it. The trays with the drives from Wiebetech are pricey. For example, a SIS-Tray-250 GB sells for \$163, while you can buy a bare 250 GB SATA hard drive from Other World Computing for \$92.99.

Anybody who backs up their precious photos and those who work with video, you can never have enough hard drive space. Using external enclosures provides an efficient, inexpensive, and safe way to back up your data. This hot-swappable hard drive enclosure is so easy to use and a great solution for adding hard drive space to your workflow with ease and mobility.

— *Reviewer: Maria O. Arguello (bio on page 7)*

## It's that time of the year

### 2006/2007 Dues are Due.

September starts our fiscal new year.

Reg. \$20/Sen. 62+,\$15/Fam. \$25

(Cash is preferred) or send your check,  
(GCC/MUGSNJ) to:

Carole Dadino  
Membership Chair  
44 Buttonwood Road  
Stratford, NJ 08084

Members who joined after 09/01/05  
will be pro-rated \$2.00 each month

## Worldwide Developers Conference

The big question about the Mac Pro is should you buy it? I am on the fence about that. I bought a dual processor 2.5GHz PowerMac G5 three years ago and it serves me well. The most processor intensive software I use on my Mac is Photoshop CS 2. For me, upgrading my PowerMac G5 to a Mac Pro can wait until Adobe comes out with CS 3 in a Universal binary format. Were I to buy a Mac Pro now, it is entirely possible that Photoshop would run slower on it than it does on my old PowerMac G5.

Those of you who need a faster Mac to run applications that are available as a Universal binary should get a significant boost in performance on a Mac Pro. The Mac Pro offers cutting edge technology, if you are interested in buying one now, keep in mind that if you buy cutting edge technology, you can get cut.

If you are in the market for a high performance Mac and you need to buy one now, then buy a Mac Pro. On the other hand, if you are not in a hurry to buy a new Mac, I suggest you wait at least three or four months to allow the early adopters to help Apple get the bugs out of its first generation Mac Pro.

At any rate, I am heartened to see that Apple is doing what is necessary to be competitive in the computer industry. Apple is doing great financially. Sales of Macs are booming, especially as a result of the MacBook and MacBook Pro portable computers. I am sure the introduction of the new Mac Pro and the new Xeon based Xserve will help Apple garner a greater share of the computer market during the next year or two.

Those of you who have not yet watched Steve Jobs' WWDC2006 keynote speech should do so. You can find a streaming video version of Jobs' speech on [www.apple.com](http://www.apple.com) and clicking on the WWDC2006 link. To watch Steve Jobs' speech, you need broadband Internet access. If you do not have broadband Internet access at home or work, the 1.5 hour long speech is well worth seeing by visiting a public library that offers Internet access.

## A Software Review

# SuperDuper

Review By Maria O. Arguello

**Company:** Shirt Pocket

**Web site:** [www.shirt-pocket.com](http://www.shirt-pocket.com)

**Price:** \$27.95 (Free trial available)

**System requirements:**

**Mac OS X 10.3.9 or higher**

**Does not support optical or tape drives.**

**Universal Binary**

**Test Systems:** Dual 2.5 GHz PowerPC G5,  
OS 10.4.7

**Reviewer:** Maria O. Arguello

**Overall Rating:** ⭐⭐⭐⭐

With SuperDuper! for OS X, you can back up, clone, restore, create image files, and more. This amazing program is so easy to use that losing data can only produce extreme self-flagellation, if you didn't use SuperDuper. Remember this profound truth: there are two types of people: those who have lost data, and those who will.

I am embarrassed to admit that I have never successfully used any backup program. I tried Retrospect and it was so complicated that I gave up. I tried the free .Mac Backup for members and gave that up, too. I back up manually; that means, when I think about it, I copy my iPhoto Library and my iTunes Library to an external hard drive. My Aperture photos have Vault, which is a built in backup system, but you have to remember to use it. I've heard a lot of my friends rave about SuperDuper and how easy it is to use. I had to try it.

SuperDuper not only is easy to set up, but it is easy for new computer users to understand and has enough features to satisfy the advanced user, too. The first backup is long but the updates are a breeze. I put SuperDuper to the test and cloned my 250-GB SATA startup hard drive, which had 156.85 GB used. It took 2 hours and 10 minutes to copy 156.36 GB to my external SATA Wiebetech 250-GB hard drive via eSATA connection. Once that was done, it took 16 minutes and 43 seconds to complete with Smart Update.

To get started, buy a large hard drive, to hold your backed-up data and to be managed by SuperDuper. You need to decide whether or not to partition. It all depends on your personal needs. Partitioning a hard drive may help when using the Sandbox feature in SuperDuper. They recommend a 10-GB partition.

A feature called Sandbox allows you to play with a new OS update first to see if you are satisfied before you commit to it. Clone your OS to a second drive, boot from it, access all your apps from your primary drive. Try the update on the second drive and see if you like it before you commit. This is pretty cool.

I never used SuperDuper before so I have not seen the different versions. In this version, the developers claim the following changes:

- \* Can disable ACL copying in Advanced options
- \* The What's going to happen? section now says when the destination is an image
- \* No longer allows erroneous restarting/startup from an image
- \* Scheduling now works with multi-byte characters in volume names
- \* Scheduling now works under 10.3.x for Japanese language users
- \* Addressed various other minor issues

Of course, the new SuperDuper 2.1.3 still improves on the acclaimed original in many ways, including:

- \* The ability to easily schedule backups
- \* Additional imaging options
- \* More control over shutdown
- \* Better AppleScript support
- \* Hundreds of UI improvements
- \* Growl support
- \* A, task-based User's Guide.

And it's a free update for registered 1.x users! It is so refreshing to find a quality program that works so well and is so easy to use. This is the only backup program anyone needs.

— *Reviewer: Maria Arguello (bio on page 7)*

## A Hardware Review

# Zippy EL-620 Aluminum Electronic-Luminescent Keyboard

Review By Maria O. Arguello

Manufacturer: Zippy Technology Corp.

Price: \$99.95

Minimum System Requirements: A computer with at least one available USB port

Test System: Dual 2.5-GHz PowerPC G5, 4 GB DDR SDRAM, Mac OS X 10.4.7

Rating:   (2 out of 5)

How do I like the Zippy EL-620 Aluminum Electron-Luminescent Keyboard? Well, it actually feels funny because I've never used anything other than an Apple keyboard. The keys feel very slick but with long fingernails, my fingers sometimes glide off the keyboard. It is 18 mm thick and it weighs less than 500 grams, making it quite portable. It has a brushed silver metal upper case; quiet keystrokes; and it is stylish and slim. It has media hot keys, but not all of them work on a Mac. The built-in Internet Hot Key and the Start E-Mail program Hot Key do not work. The other Hot Keys work, that is, the EL ON/OFF, Power, and Sleep.

Installation was easy. I connected it to the USB port on my computer. The instructions recommend a Restart if the keyboard is not recognized, but this was not necessary. There were no drivers to install and my Mac recognized it without any difficulty. There are no USB ports on the keyboard, so you can't connect a mouse to it. Fortunately I have a cordless mouse through infrared.

The blue glow is quite good and uniform throughout the keyboard, which is better than my MacBook Pro's backlit keyboard, which is never bright enough for me and the light is not evenly distributed throughout the keyboard. Underneath the Zippy's keys is a flat sheet of electro-luminescent material, the same material that makes face watches glow.

There is a button to turn the EL panel On/Off. You may want to turn it off in the daytime to preserve the luminescence.

Exposé keyboard shortcuts were available on the function keys: F11 clears all the windows, F12 tiles all the windows, and F10 highlights the predominant window. I could not get the acute accent by holding down the option key and typing the 'e.'

The Apple keyboard has an Apple icon on the Command key. The Zippy keyboard has a Windows Icon Key that functions like the Apple (Command) Key. This takes some getting used to since it is to the left of the normally positioned Apple (Command) Key. Anytime you want to Cut and Paste, you have to remember to hold down the Window Icon Key. This takes some getting used to.

The keyboard works fine with the Mac, with some slight differences in keys. See Below:

The Windows Icon Key functions the same as the Apple (Command) Key.

The Windows, Alt, Esc Keys pressed together is the same as force quit.

The "F" keys function all the same.

Power and sleep buttons bring up the Restart, Sleep, Cancel, Shut Down menus.

Control Key still brings up the sub menu.

Arrow Keys work the same.

Pause Break Key turns brightness up, ScrLK key turns brightness down

The Zippy EL-620 Aluminum Electron-Luminescent Keyboard worked extremely well with Windows XP Professional Service Pack 2 installed on my MacBook Pro. The Hot Buttons for Email and for Internet Explorer worked.

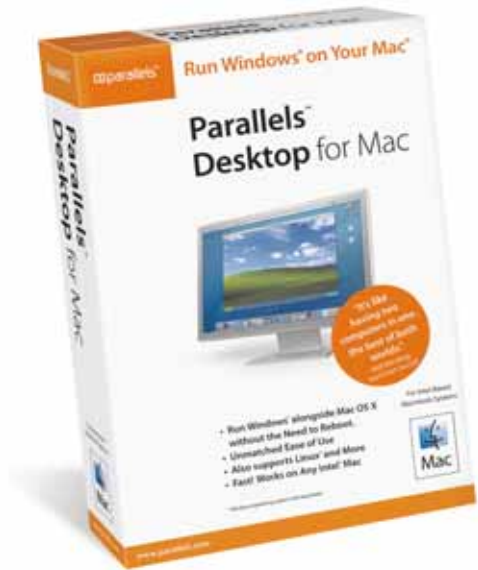
This keyboard is excellent for night work. It is slim, small, and of good workmanship. It is excellent for Windows users. But it takes getting used to by Mac users and it's a bit pricey for a small keyboard.

— Reviewer: Maria Arguello (bio on page 7)

# Parallels Desktop for Mac

## A Software Review

By Stan Horwitz



**Company: Parallels, Inc.**

**Price: \$79.99**

**Web site: [www.parallels.com](http://www.parallels.com)**

**Minimum System Requirements:**

**Any Intel-powered Macintosh**

**Test System: 15-inch MacBook Pro,**

**1.83 GHz Intel Core Duo Processor,**

**1 GB RAM, Mac OS X 10.4.7**

**Rating: **

My MacBook Pro has a split personality because it runs Mac OS X 10.4.7 and Windows XP Pro!

When Apple released the first Boot Camp Public Beta version, to allow Windows XP to run natively on Intel-based Macs, I used it to install Windows XP Pro. As a result, I can boot my MacBook Pro into either Mac OS X or Windows XP Pro, but not both at the same time..

I got tired of having to reboot each time I wanted to switch between Windows and Mac OS X software. Parallels Desktop for Mac (PDM) solved that problem nicely!

PDM is a x86 emulator, similar to Virtual PC (which was discontinued), but much more powerful. Unlike Virtual PC, PDM can run many operating systems,

not just Windows XP. PDM can run several Linux flavors and other versions of Windows. If you have enough disk space, you can run multiple operating systems on your Mac simultaneously, without rebooting. For some tech heads, this is a wonderful feature!

Installing PDM was easy. You can download PDM from [www.parallels.com](http://www.parallels.com) so you can try it first. In addition to PDM, you also need a license to run whatever operating system(s) you want. Parallels does not come with any operating systems.

A Quick Start Guide provides clear directions on how to install PDM and how to use it to install Windows XP Pro. Installing PDM and Windows XP Pro was a lot easier and faster than installing Windows XP via Boot Camp.

The default hard drive size that PDM uses for a virtual computer is a bit small for my taste. Since PDM creates a virtual disk (which is really a huge file), the size of that disk can be changed by using a utility called ImageTool that comes with PDM. Unfortunately, Windows will not use the additional disk space; you need to use a disk partition utility to mount the added disk space as a separate partition.

Once PDM is installed and you set up a virtual machine, you can run Windows XP as an application under Mac OS X. Because PDM treats operating systems as applications, Windows XP can use most of the hardware that is available to Mac OS X.

Although PDM is not suitable for games and other applications where processor speed is important, it works well for many applications. In fact, I installed the personal version of Oracle (a powerful database) on my Windows XP virtual machine and loaded a database with 135,000 records and it works fine.

When I installed Windows XP Pro under Boot Camp, I had to configure it to use my wireless network. With PDM, Windows XP Pro used the Mac OS X's wireless connection without any configuration on my part.

Continued on page next page

## Parallels Desktop for Mac

I was surprised when I first discovered this behavior because I expected to need to configure the network link from within Windows XP.



Windows XP Pro running on my MacBook Pro

Other hardware is also shared by virtual machines. For example, I get the full functionality of my MacBook Pro's trackpad from within Windows XP.

One thing to be aware of is, neither PDM, nor Boot Camp support Bluetooth. If you have a wireless mouse and/or keyboard, it will not work. For me, this is not a big deal, but it is something to keep in mind if you use any Bluetooth devices.

The trackpad's double-finger scrolling feature and the energy server do not work under Boot Camp, but they do with PDM. Regardless of how you run Windows XP on an Intel-based Mac, use a mouse with a scroll wheel and two buttons because Windows uses the mouse buttons heavily. A Mighty Mouse will not be very useful for multi-button functionality because the buttons do not work well with Windows.

With PDM, you can only use one USB disk device at a time. I tried to connect two USB jump drives under Windows XP. The first drive I plugged into my USB 2 hub was seen by Windows. The second jump drive showed up on the Mac OS X desktop.

If you use multiple USB devices under Windows, this is something to keep in mind. Perhaps this will be resolved in a later PDM version.

When you click on the window for a virtual PC, the operating system that's running there is controlled by the Mac's keyboard and mouse. To return the focus

to Mac OS X, press the control and option keys at the same time. This allows the mouse and keyboard to be seen by Mac OS X. To control the virtual PC, click on its window. This works well, but it takes a bit of getting used to.

The big question is, why spend \$80 for PDM to run Windows XP on an Intel-based Mac rather than use Apple's free Boot Camp Public Beta to install a native boot version of Windows XP? Boot Camp is the best choice for those who need to run Windows XP, but also need to get the most processor power out of their Mac. Users of audio and/or video software fit into that category.

For those who want to run operating systems other than Windows XP and/or who do not care much about speed, PDM is the best choice due to its flexibility and the fact that you can run multiple operating systems at the same time without rebooting.

Anyone who needs to run only light-weight Windows apps, does not need the added processor power that Boot Camp makes possible. Parallels gives you the benefit of being able to run Windows XP (and other operating systems) while using Mac OS X applications. For me, the convenience of Parallels Desktop for Mac is more than worth its \$79.99 price tag.

— *Reviewer: Stan Horwitz*

### Battery Exchange Program iBook G4 and PowerBook G4

Apple has determined that certain lithium-ion batteries manufactured by Sony may overheat under rare circumstances. The affected batteries were sold worldwide from October 2003 through August 2006 for use with the following computers: 12-inch iBook G4, 12-inch PowerBook G4 and 15-inch PowerBook G4.

Apple is voluntarily recalling the affected batteries and has initiated a worldwide exchange program to provide customers with a new replacement battery, free of charge. This program is being conducted in cooperation with the U.S. Consumer Product Safety Commission (CPSC) and other international safety authorities.

[support.apple.com/ibook\\_powerbook/  
batteryexchange](http://support.apple.com/ibook_powerbook/batteryexchange)

## Know your OS X Undeletion Options

By Larry O'Connor

In the past I've written about the importance of doing backups. Regular backups, allow you to avoid the seriously headache-inducing moments a major disk drive catastrophe can bring on. When you've got a recent backup, you're in pretty good shape... But the most recent backup won't save you from a problem between backups. Assuming you keep good backups, it's most likely that you'll be the reason your sweating than some mechanical problem.

For example, in iPhoto I imported photos from a 32MB CF card from my wife's bridal shower. She wanted to print a few photos. After I loaded them into iPhoto and I erased the card. Later that day, I decided I'd reorganize the whole iPhoto library. While my Powerbook had every photo, except those bridal shower ones. I made the mistake of thinking I'd just moved those bridal photos out, and I wiped the rest out. What I moved were alias files iPhoto created when she made a bridal shower album. I deleted the ONLY bridal show pictures!

Talk about sweating it! I own DataRescue — it's great for recovering files after a hard drive problem and/or disk corruption, but it does not help recover files you intentionally deleted via the OS X trash. Hello Virtual Lab by BinaryBiz. This application is extremely easy to use. Costing nothing to try, you pay for 'quotas' of data that you can recover. Cost is \$49.95 for up to the first GB and then it gets cheaper per Gig from there. What you don't use you can use later. This application was great as you can tell it what type of file to look for. After 2 hours of scanning, it found about 14,000 JPEGs. I knew the ones I was looking for would be around 1 to 2MB, so I sorted by size and started previewing (quite a bit fewer in that size range). Before too long, I hit my first one - and then the second. I learned that the files which were all named Apple Picture File XXXX 1 to 14,000 — were sequentially numbered. And guess what, when I change the sort back to by file name, the 23 files I had deleted were all in a row and ready for recovery. Virtual Lab definitely saved my Bacon! I have not researched other undelete utilities, but I'll tell that short of a backup it's hard to beat this appli-

cation. And of course in the case of something like this - well - deleting work or personal files just added, you're not going to have a backup to turn to.

Enter Prosoft Engineering's Data Rescue (download at [www.prosofteng.com](http://www.prosofteng.com))! This handy \$39.95 utility, lets you back up the files you trash. You can undelete with a few clicks. That would have saved me several hours of grief and dread. Sadly, I could have installed this utility quite some time ago, but it's been years since I had to undelete something, so I thought why even bother installing it. Well, OS X is different. DataRecycler is pretty much fool proof and fast. This utility does not recover files deleted prior to you installing it, but it will save you hours of recovery time. It wouldn't have been the end of the world if the photos could not have been recovered, but things are better off now. Just imagine if a major project was lost due to an error. I view Prosoft's application as a great tool. If you're like me, you choose to learn after you accidentally delete something. A little more work and Virtual Lab can save you day.

Mistakes happen, as do computer glitches that can ruin needed data. Doing regular backups will give you a nice comfort level. Knowing the tools out there for recovering lost data gives you a path to recovery. Mistakes happen, fortunately most mistakes can be deleted, as well.

One other quick tip... This is the second time tonight that I got to write this quick tip. I do save at various points, but hadn't for about an hour and half. That cost me this section, the next, and even a start of the music portion placement. Many application have auto-save backup features - I suggest enabling them. When using programs like BBEdit 7.x which do not have an autosave -save frequently. I can count on one hand the number of times OS X has crapped out on me in the last couple years, but once in a blue moon (or lunar eclipse) is all it takes to watch that work since last save go adios. The command-s save reflex action will be a bit more regular now.

**Thanks to Larry O'Connor at Other World Computing [www.MacSales.com](http://www.MacSales.com) for permission to share this TIP.**

## Apple WWDC 2006 Keynote Address

Watch Apple CEO Steve Jobs kick off the company's annual Worldwide Developers Conference (WWDC) with a keynote preview of Mac OS X "Leopard" from San Francisco's Moscone West. See the video-on demand event exclusively in QuickTime and MPEG-4

[http://events.apple.com.edgesuite.net/aug\\_2006/event/index.html](http://events.apple.com.edgesuite.net/aug_2006/event/index.html)



## *Do you read MUGShots?*

If you read MUGShots last month, it is unfortunate that you did not reply to the survey that appeared in the July issue.

Due to a lack of interest on the part of most members to contribute ideas or content and only one email response to last month's survey, MUGShots will be published less frequently.

MUGShots will be published only when Apple makes major product announcements. This issue includes details of what was announced at this month's World Wide Developers Conference.

The next issue of MUGShots will probably not be published until January, '07 to discuss Mac World Expo, '07. An issue of MUGShots may be published prior to January if Apple announces any major new products and Stan has enough time.

This action is regrettable; however, it makes no sense to spend a lot of time each month producing MUGShots if only a handful of people care about it.

## Bonus Tech Tip #2 Advisory for Yasu users

If you use Yasu on an Intel-based Mac, you should read this advisory from the TAG-Team Leaders list.

Yasu for Mac OS X Tiger (10.4) has been updated to version 1.3.9.

Yasu 1.3.9 addresses a serious issue that can prevent certain PowerPC-based applications from launching on Intel-based Macs after running Yasu.

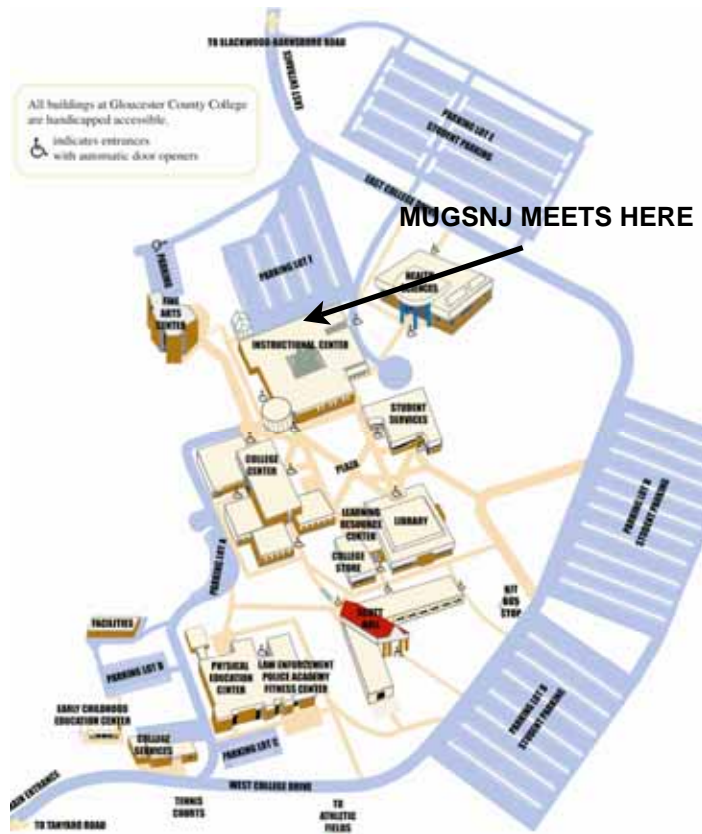
This new version is a recommended update for ALL users who run OS X 10.4.x, be they on Intel or PowerPC machines.

The new Yasu version can be downloaded directly from:

[http://jimmitchell.org/files/Yasu\\_TE.dmg.gz](http://jimmitchell.org/files/Yasu_TE.dmg.gz)



### MAP



## MUGShots

August 2006

Macintosh Users Group  
 of Southern New Jersey  
 Liberal Arts Dept.  
 1400 Tanyard Road  
 Sewell, NJ 08080-9518  
[www.mugsnj.org](http://www.mugsnj.org)  
 856-468-5000, ext. 6445

MUGSNJ General Meetings are temporarily held in room 430 the Instructional Support Center Building at 7:30PM on the last Wednesday of each month, except for holidays. Executive Committee meetings are held as needed, usually at 8:00PM (date and room to be announced)

*IT IS POSSIBLE THE COLLEGE MAY BE CLOSED DUE TO AN EMERGENCY SITUATION SUCH AS A SNOW STORM.*

*IF I AM NOTIFIED IN TIME, I WILL SEND AN EMAIL ASAP*

*~ CAROLE ~*

*MUGShots is available in full color. You can download the color copy in a PDF file at [www.mugsnj.org/news](http://www.mugsnj.org/news)*