

# printout


Keystone MacCentral Macintosh Users Group ❖ 717-932-4009 ❖ <http://www.keystonemac.com>

## KeyMac Field Trip for May!

by Linda J. Cober

We're going on the road! By popular request our May meeting will be held at the WSSD Mac Lab/TV Studio, where Bill Spong and his Media 1 and 2 students use G5's to create powerful multimedia productions. Last year Bill and one of his students visited us and brought along some student projects for us to admire. This year, we are visiting Bill in what is popularly known as "Spong World." There will be more student projects to view, but you will also be able to tour the facility, check out the G5's and other techie goodies, and have a chance to be in Bill's class for an evening. Ever wish you could have the opportunities that today's students have? Well, here is your chance to experience just that. Get your hands on the same equipment Bill's students use and see a dynamic teacher in action.

This is not just a field trip, however. Our complete meeting, including Q and A, will be held, so don't miss your chance to ask the experts. We may even have refreshments!

Getting there is not difficult; here are the instructions to the WSSD administration building where Bill's studio is located. From the Camp Hill area, take I 83 South. Get off at the Fishing Creek exit and turn right on Fishing Creek Road. Since we will be entering at the back of the building where there is a large parking lot, go past the Flight Systems entrance (there is a little unoccupied guard shack there) and go to the next entrance which is right below Crossroads Middle School. Turn right. Go about 40 yards. You will see signs directing you either right to the admin building or left into extra parking behind Crossroads. Go right as there should be ample parking by 6:15 at night. Use the entrance into the glassed in small lobby, then turn left and you will be at the studio. For those of you who prefer to use mapquest.com to find your way, the address is 507 Fishing Creek Road. If you go in the first entrance, the usual public entrance, though, you will be on the wrong side of the building to enter at the open door and will have to walk around to your left as you face the building since the main lobby doors will not be open. The whole trip will take less than 20 minutes from Camp Hill, so join us on May 17 for a great KeyMac field trip! 

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Keystone MacCentral is a not-for-profit group of Macintosh enthusiasts who generally meet the third Tuesday of every month to exchange information, participate in question-and-answer sessions, view product demonstrations, and obtain resource materials that will help them get the most out of their computer systems. Meetings are free and open to the public. The *Keystone MacCentral Printout* is the official newsletter of Keystone MacCentral and an independent publication not affiliated or otherwise associated with or sponsored or sanctioned by any for-profit organization, including Apple Computer, Inc. Copyright © 2005, Keystone MacCentral, 1020 Pines Road, Etters, PA 17319.

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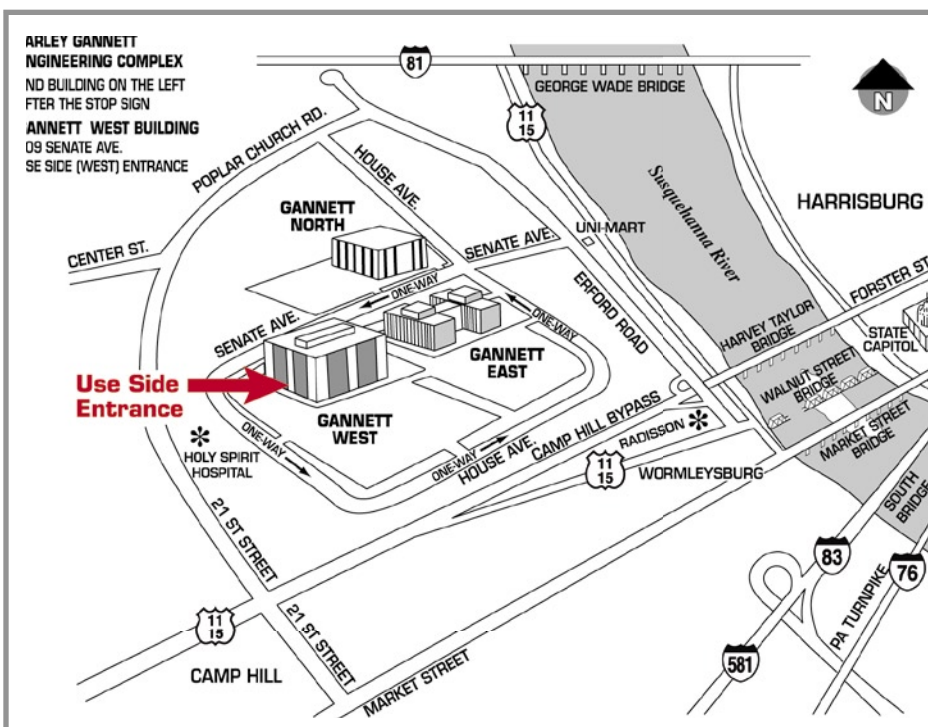
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## Keystone MacCentral Essentials

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# President's Corner

## Book Review

### *The Photoshop Elements 3 Book for Digital Photographers*

by Scott Kelby

published by New Riders/Peachpit Press

If you are a dedicated digital photographer who wants to be able to improve/tweak your photographs and possibly even get quite artistic and creative with them, this is the book for you. If you are a professional photographer you have most likely purchased Photoshop itself, not Photoshop Elements, and thus are using other learning aids. If you are an occasional photographer who only wants to take a few pictures and live with the results, you are most likely content with iPhoto, have not bought Photoshop Elements, and will not need this book. Those who already own Photoshop Elements or are planning to buy it and would like to be better able to use it should avail themselves of this well-written, interesting, understandable book.

Scott Kelby, the author, is extremely well-qualified as a photographer, author, and speaker. He is the co-founder of *Photoshop User* magazine, the author of the best selling books *Photoshop CS Down and Dirty Tricks*, *Photoshop Photo-Retouching Secrets* and others, as well as Editor-in-Chief of Nikon's *Capture User* magazine. He is also Training Director for the Adobe Photoshop Seminar Tour and is a speaker at graphics trade shows around the world. Thus, readers can rest assured that they are getting advice from someone who really knows his subject and is adept at presenting it. Kelby also has a sense of humor

and wrote a book that actually shows step by step, not just tells, users how to do things such as compensate for overexposure or for shadows, remove specks, dust and scratches, put one photo inside another, make eyes that sparkle, whiten and brighten teeth, remove "love handles," and deal with digital noise etc. Kelby has also provided some clever workarounds for those who would like the power of Photoshop but who have Photoshop Elements budgets.

Since many other digital photography books cover what a digital camera is and how to choose one, how to frame a shot, and how to print to one's printer, this book does not. Instead, Kelby teaches readers specifically how to improve their photographs by using Photoshop Elements 3 and does an excellent job of it. Although written for Windows users, this book can also be used by Mac users with the warning to skip Chapter 2 (the Organizer chapter) since the Mac version of Elements 3 does not contain this feature, to use the Option key instead of Alt., to use the Mac's Command key instead of Control and the Delete key in place of Backspace. Still, since Adobe left out some of the features in the Windows version in its Mac version of Elements 3, Mac users will sometimes find that they don't have some mentioned features or that others are in different menus. Kelby regrets this, but would have had to

leave out too many Windows features to make the book completely cross-platform. Personally, I found that the things I wanted to do were covered and that I didn't miss the features that were omitted in my Mac version of Elements 3.

Something I really appreciated was being able to turn to any chapter and use the instructions there to accomplish my task at hand rather than having to read the whole book to understand the later chapters. Kelby deliberately used this format since as a speaker he has to answer many questions from individuals who just want solutions for their specific problems, not a massive reading assignment. Great idea! In fact, it reminds me of our popular Question and Answer sessions at every Key-Mac meeting. (Shameless plug!)

I will bring this book to our May meeting in case you would like to see it for yourself and determine if it is right for you before purchasing (\$34.99 retail so remember our user group discount from Peachpit Press!) but this one is mine. Some books I am glad to donate for a raffle, but for this one I am invoking our policy of "s/he who writes the review gets the book" which should give you a good idea of how much I like and plan to use the *The Photoshop Elements 3 Book for Digital Photographers* by Scott Kelby. 🗑️

# Keystone MacCentral Minutes

## April 19, 2005

### Business Meeting

KeyMac President Linda Cober brought the April meeting to order and asked board members to report on their activities. Webmaster Linda Smith announced an updated MUG special offers page with new offers available only to user group members. She also added links to tips and tricks for iLife and some new iPod links. Membership Chair Eric Adams proposed having a membership drive at the Fredricksen Library in Camp Hill on Saturday mornings if they would allow it and we could find some volunteers.

### Q&A & Comments

The first question concerned HP fax software and its included disks. It is always a good idea to check manufacturers' web sites for the latest drivers and updates. Someone reported problems using TurboTax. After making error corrections to the initial input, some of them did not hold. Other users reported no problems. Jim Carey said he had used the online version of TurboTax with success. Abigail Schearer said that her daughter was having trouble playing tunes on a new MP3 player. Most non-iPod players come with proprietary software that could be the culprit or the problem could lie with the headphones or elsewhere. Of course, it was recommended that she invest in an iPod instead of the other brand she had. Tim Sullivan reported a problem running Safari along with Adobe Acrobat 7. When he downloads PDF files, they sometimes appear unreadable. The latest OS X 10.3.9 was said

to have some issues with Safari and with QuickTime Pro.

### Program Notes

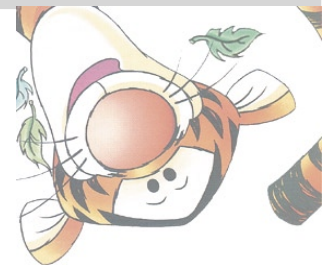
Linda Cober introduced fellow Red Land High School teacher, Doug Enders, who came in to demonstrate some techniques he uses to make memorable videos using iMovie. We watched the Dodgeball.mov he had created to promote a tourney at Red Land before Doug showed us how to create the special effects. One sequence in the movie showed a dodgeball going down a hallway and then turning a corner at a right angle to find its intended target. As this cannot happen in real life, there was a trick involved which Doug demonstrated. Using a small video camera with one hand, Doug twirled a ball with his other hand while walking and filming the spinning ball, being careful not to include his hand in the shot. The clip can be sped up after being imported into iMovie to get the desired effect.

Doug also demonstrated how to extract audio from an imported track and how to record a new audio track with iMovie. Volume of a clip can be adjusted and clips can be moved where necessary in a project. Video clips can be run forward or backward, which can allow for other effects. Doug spoke of one use of this technique in another video he had made for Red Land.

Doug suggested that the best movies come from careful planning. He mentioned using different camera angles to add interest. Effects can be applied to clips, with plug-ins available in addition to the effects supplied with iMovie. Stills from a video clip can be saved as JPEGs, which might be useful as beginning or ending transitions between clips. Effects such as the Ken Burns effect can be applied to JPEGs. Audio and video clips can be split in iMovie. Thanks to Doug's presentation, we can expect even better entries for the iContest this December. It is safe to say that everyone picked up some good ideas from this presentation. 🍵

by Adam C. Engst <ace@tidbits.com>

## Looking into the Eye of the Tiger



Well, it's done. Tiger is out, and all the speculation about its much-ballyhooed features can at long last be put to rest. To further that end, we're focusing on Tiger in several ways. For the rest of this issue, and undoubtedly a number of articles in future issues, we'll be writing about what's new, what it means,

and how well it all works. This week, for instance, you'll find articles looking at the upgrade process, Dashboard, Automator, and Spotlight.

But there's no way in TidBITS that we can go into the kind of depth that readers want and that Tiger deserves. That's where our Take Control ebooks

come in with over 350 pages of painstakingly researched and professionally edited advice about upgrading to Tiger, customizing Tiger, users and accounts in Tiger, and sharing files in Tiger (with Macs and other platforms). The ebooks are good, they're inexpensive, they aren't copy protected in any way, they come with free updates, and they're available now - weeks or months before most other books about Tiger will appear. Tonya and I, along with Joe Kissell, Matt Neuburg, Kirk McElhearn, and Glenn Fleishman, worked our tails off for the last few months to release all four ebooks simultaneously with Tiger (for overseas customers who pre-ordered, we even made the ebooks available at 6 PM on April 29th in local time zones around the world).

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

To kick off our coverage here in TidBITS, though, I'd like to reflect on a question that likely didn't even occur to the thousands of people who have bought the ebooks so far: Should you upgrade, and if so, when? If you're on the fence about when to upgrade, see if you fall into one of the following categories.

**The Hobbyist** – I suspect that most people who consider the Macintosh a hobby have already decided to upgrade, but if not, I'd recommend ordering a copy. A new version of the operating system means new toys, new features to explore, and a nearly infinite amount of raw material for discussing with friends. If you consider yourself a Macintosh hobbyist, then I'd recommend an upgrade fairly quickly, if only so you can continue to feel like one of the tribe.

<http://www.apple.com/macosx/overview/>

**The Filing-Challenged** – If you're continually losing files on your Mac, Tiger's Spotlight technology will become your new best friend. For that matter, I'm betting that Spotlight will come to the aid of anyone who has trouble figuring out where to file documents, anyone for whom a rigid hierarchical filing system never made

much sense and who just ended up storing everything on the Desktop. If you find yourself saying things like, "I put it on the thing next to that other thing," Spotlight sweeps away the artificial analogy of filing so you can think conceptually when searching: "To whom did I write that letter? When did I write it? What did it say?" My recommendation is to upgrade soon, so you can at last throw some light into the darkness of your hard disk organization.

<http://www.apple.com/macosx/features/spotlight/>

**The Scriptor** – Many people just use their Macs manually, but others understand that one of the great uses of a computer is to automate repetitive tasks. These people have long adopted macro utilities like QuickKeys, iKey, and Keyboard Maestro, and many of them have gone a step further in learning AppleScript. If you fall into this category, Automator may be the next arrow in your automation quiver, since it goes beyond scripting to give you a visual interface to automating tasks without having to make applications march about like marionettes. I suspect that the possibilities offered by Automator will encourage such people to upgrade in the relatively near future, even if the true promise of Automator takes a while to be realized fully by third-party developers.

<http://www.apple.com/macosx/features/automator/>

**Short Attention Span** – Hang on, I need to check something quickly. Right, the weather report for the Albuquerque and Santa Fe areas for my trip this week is looking OK, so I can get back to writing. If, like me, you find yourself needing to check in on things or use small utilities - just a minute, I need to convert Fahrenheit to Celsius so I can explain the current weather to a friend in Australia - Dashboard and the plethora of Widgets it will give you are a good reason to upgrade. That said, I wouldn't be surprised if most of the things that Dashboard Widgets can do in Tiger aren't also available in Panther thanks

to Konfabulator, so you don't need to upgrade instantly just for Dashboard.

<http://www.apple.com/macosx/features/dashboard/>

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

**Driven by Deadline** – Most people in this category have their noses to the grindstone to finish projects, and honestly, it's a hard sell to say that they should upgrade any time soon. The reason is simple - they're so deep in Microsoft Word, or Adobe Photoshop, or the like, that the specifics of the operating system aren't likely to make that much difference in their day-to-day work, and taking time out to install Tiger and come up to speed on the new features isn't realistic. If you're one of these workaholics, I do recommend that you upgrade, but not until Apple has had a chance to release a few minor updates to eliminate any initial problems, and then not until you have a clear opportunity in which to install Tiger and spend some time gaining familiarity with the new features.

**The Stick-in-the-Mud** – "If it ain't broke, don't fix it" is your motto, and Panther ain't particularly broke. I won't say that you should upgrade, although in the next 12 to 18 months, I expect to see new applications that take advantage of Spotlight and Automator and Dashboard in interesting ways. If you find some of those promises attractive, an upgrade may be worthwhile at that point. Plus, if you buy a new Mac in the next year or so, you'll end up with Tiger pre-installed, so you could also just put off an upgrade until then.

**Tiger Details** – To recap the details from Apple's initial announcement, Tiger costs \$130 for a single user license; the Mac OS X Tiger Family Pack offers a five-user license for \$200; and the Mac OS Up-to-Date upgrade package costs \$10 for those who bought a new Mac on or after 12-Apr-05 (this offer ends 22-Jul-05). Note that Take Control ebooks come with a coupon worth \$5 off any order, including Tiger, at TidBITS sponsor Small Dog Electronics.

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## Looking into the Eye of the Tiger

<<http://www.apple.com/macosx/uptodate/>>

<<http://db.tidbits.com/getbits.cgi?tbart=08068>>

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

Tiger requires a minimum of 256 MB of RAM (but please install at least 512 MB) and will run on any Macintosh that has both a PowerPC G3, G4, or G5 processor and built-in FireWire.

**Tiger ships only on DVD media;** if your otherwise-compatible Mac has

only a CD drive, you can either boot your Mac in FireWire Target Disk Mode and install to it from another DVD-equipped Mac, or you can pay Apple \$10 (plus your local sales tax, which you must compute) for a set of Tiger CDs. To order the CD set, download the PDF form linked below, and package it up with your payment, your proof of purchase, and your original Tiger DVD. Apple says they will ship CDs within 24 hours of receipt if they're in stock, but only via the U.S. Postal Service. So, it might take two to three weeks from when you put your order in the mail to receive your discs if Apple has them in stock.

<<http://images.apple.com/macosx/pdf/tigermediaexchange.pdf>> 

achieve a much cleaner (and slimmer) system with one of the other methods. In the past, I've recommended Archive and Install for most people, as it provides a happy medium between the simplicity of Upgrade and the robustness of Erase and Install. I assumed I'd be reiterating the same advice this time (as numerous other Mac Web sites have done). Not so: much to my surprise, I found that Erase and Install — if used in just the right way — offers a significantly faster, more effective, and safer way to get your old stuff into your new system as long as you have good backups. I urge everyone to have at least one, if not two, backups before erasing your hard disk; if you're uncertain of the best ways to make reliable backups, see my "Take Control of Mac OS Backups" ebook.

by Joe Kissell <[jk@alt.cc](mailto:jk@alt.cc)>

## Evaluating the Tiger Installation Process

The first time I installed a pre-release version of Tiger, I was worried. Unlike most people, who may be concerned about whether or not their machine will work properly afterward, I had an entirely different worry: who would need my ebook about upgrading if the process works this well? Apple clearly paid a great deal of attention to the installer, which is far better in Tiger than in any previous version of Mac OS X. As a user, I was ecstatic; as an author, not so much.

Now, some 43 installations later (and counting), both my enthusiasm and my anxiety have diminished somewhat. I've gotten to know the installer and its trusty sidekick, Setup Assistant, rather intimately. Although the Tiger installation process was full of pleasant surprises, I'm happy - I mean, sorry - to report that there are still plenty of interesting quirks and questions that may encourage you to spend \$5 for some expert guidance in the form of my new ebook, "Take Control of Upgrading to Tiger."

<<http://www.takecontrolbooks.com/tiger-upgrading.html>>

**Tiger Media** — The first surprise is, as Adam noted in his article, that Tiger ships only on DVD. To obtain a CD-based installer, you must return your Tiger DVD to Apple, along with \$10, and wait for another package in the mail. I like the simplicity of a single disc that includes the entire installer (and Xcode Tools); it makes the installation go much faster and reduces clutter and confusion. But if you have an otherwise Tiger-compatible machine without a DVD reader, you may not feel as happy about that decision.

**Installation Methods** — Assuming you're upgrading an existing installation of Mac OS X, the Installer, as usual, presents you with three installation methods: Upgrade, Archive and Install, and Erase and Install. I tried each of these methods numerous times and under a variety of conditions. Although the default choice, Upgrade, is generally reliable, you can

<<http://www.takecontrolbooks.com/backup-macosx.html>>

The key to this new way of thinking is Migration Assistant (the same tool that Apple provides to facilitate moving files from an old Mac to a new one). You don't have to run this program separately; all its capabilities are integrated into Setup Assistant under the auspices of "File Transfer." After you perform an Erase and Install and restart, Setup Assistant offers to transfer your files and settings from another Mac or partition. As long as you have a bootable backup of your old system on another partition — or, preferably, a second internal or external hard disk - Migration Assistant does a brilliant job of integrating your old files into Tiger. It does not do a perfect job - some manual copying or reinstallations will still be necessary - but the amount of extra work you'll need to do is far smaller, and less scary, than what would be required after an Archive and Install. I cover all the details of restoring files (for both methods) in "Take Control of Upgrading to Tiger."

**Optional Software** — During installation, you can select or deselect several optional software packages. I found Apple's default choices rather odd. For example, language translations, which take up over 1 GB, are


all enabled by default - yet relatively few people need to be able to use Mac OS X in more than one language, and almost no one needs to be able to use it in every available language. Overall, there are fewer options to choose among than under Panther. You cannot, for instance, deselect the BSD Subsystem, as you could in earlier versions of Mac OS X (a good thing, as many third-party applications rely on it).

**After the Installation** — After installation, Setup Assistant takes you through the usual process of selecting a user name and password (if necessary), configuring your .Mac account (if you have one), registering with Apple, and so on. This portion of the process seemed much clearer than in the past. On your next restart, however, you may discover that important startup items were disabled due to changes in file permission requirements. A more helpful approach would have been to fix these items' settings automatically, or at least indicate on the first launch of Tiger that they are unavailable and why they were disabled.

**Minor Shortcomings** — As much improved as the Tiger installer is, I could certainly wish for more-intelligent behavior. For example, both Upgrade and Erase and Install (if followed by File Transfer) leave all your login items (formerly known as startup items) enabled; some of these caused problems for me because they pointed to old applications that are incompatible with Tiger. A better tactic would be for the installer to disable those items — but provide an easy way to turn them back on, one by one. Similarly, File Transfer copies some applications and preference panes to your new system but not the kernel extensions they frequently rely on, leaving you with half-installed software that doesn't work, but no clues as to why it doesn't work. Although the installer helpfully warns you about some of these (Virex, for example), in most cases it does not. And I encountered some interface oddities, especially in the File Transfer portion of Setup Assistant. For instance, it's not clear that "partition" means "partition or external hard

disk," and the screen where you choose individual components of your old system to transfer doesn't provide enough information to make informed decisions.

**You Can Take Control** — On the whole, the Tiger installer still gives me relatively warm and fuzzy feelings, these few gripes notwithstanding. Even at its best, though, it leaves plenty of questions: What steps should I take to prepare for an upgrade? Which upgrade method is best for me? Should I partition my hard drive first, and if so, how should I do it? What files do I need to copy after Archive and Install? How do I fix the things that don't seem to work afterward? You can find the answers to these and many other questions in "Take Control of Upgrading to Tiger" - an 87-page ebook that details everything you need to know about the upgrade process, with free updates as more information becomes available.

<<http://www.takecontrolbooks.com/tiger-upgrading.html> 

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by Glenn Fleishman <[glenn@tidbits.com](mailto:glenn@tidbits.com)>

## Spotlight on Spotlight

**Much** will be written about Spotlight, one of Tiger's marquee features that takes system-wide search from a time-consuming annoyance to an efficient part of everyone's workflow. In fact, Spotlight works so well that the idea of filing email, files, and other data will eventually disappear - but not quite yet.

You'll read a lot about the general features of Spotlight: you can find any text in any file quickly, or use it to pinpoint menu items in System Preferences. I'd like to tell you quickly about how Spotlight works and then delve into areas you probably won't hear as much about elsewhere. I'll conclude with musings on how Spotlight might free us from the tedium of

forcing organization on top of what we create.

**Spotlight in a Nutshell** — Spotlight's approach is simple: everything is indexed quickly and efficiently in an ongoing manner. Install Tiger and reboot, and the first thing the operating system does is index your hard disk. In multiple test installations, I didn't even notice the indexing taking place, although some users report 50 percent of their processing power devoted to the task. You can't use Spotlight until this initial index is done, but clicking the blue Spotlight icon in the upper right of the system menu bar will reveal how long Tiger thinks it will take to be finished. A pulsating dot in the center of the magnifying

glass icon lets you know indexing is taking place.

When it's done, Tiger automatically modifies the index for every changed document and adds every new document to it. This happens quietly as well. Let me restate this in case it didn't sink in: Spotlight doesn't run a full re-index of your hard drive every night requiring you to leave your computer on or causing loud drive access noises in the wee hours. All other overlay indexing programs and previous Apple attempts required that kind of churn.

I haven't stress-tested Tiger yet by, say, using Automator to create 1,000 one-megabyte-sized files of random

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## Spotlight on Spotlight

text, but that would be a good way to see Spotlight's ongoing indexing in action.

By integrating index updates into the operating system at the filesystem level, Tiger avoids patching the system at a low level (always dangerous), the above-mentioned overnight reindexing, and subset indexing that omits potentially useful data.

Apple also seems to have pulled off a neat trick: using some kind of optimized index to produce some results right away, Spotlight searches start running as soon as you start typing. By the time you finish typing, either through predictive word finding or sheer good programming, the search is almost done.

I've found Spotlight incredibly zippy on a 1 GHz 15-inch aluminum PowerBook G4 and a dual 1.25 GHz Power Mac G4. I'll be curious to hear about how it feels on the lowest-end machines that Apple supports.

Spotlight is available at any time from the upper right by clicking its icon, or pressing Command-Space. It also appears in every Finder window by default, and, most critically, within any Open and Save dialog box. No more navigating to find files to open! No more navigating to find the right folder to save! I will still love and cherish Default Folder, but it will be much less important to my future workflow.

`<http://www.stclairsoft.com/DefaultFolder/>`

Apple has made Spotlight available from the command line, too. The `mdls` command lets you see the metadata associated with any file. The `mdfind` command is essentially a Spotlight search.

`<http://developer.apple.com/macosx/tiger/spotlight.html>`

**Narrowing Spotlight Searches —** Spotlight rewards those that need more sophisticated searches by allowing you to refine phrases that constrain date and time, file names, and other metadata. Metadata is data that describes data, like the last modified time, the F-stop of a camera, a QuickTime movie's format or length, or the photographer's name embedded into a TIFF image's header.

Most searches will start with keywords, but you will quickly want to drill into subsets if you have many results. Apple has built a nomenclature for searching that they haven't yet exposed well - the special words that you can use to restrict searches. Unfortunately, these words aren't currently documented anywhere on their site or within Spotlight Help in the release of Tiger.

You can experiment with restrictive phrases. Apple's page on Spotlight suggests that you might add "Date: yesterday" after keywords to find just files created in the last day. If you wanted to find all images created yesterday you could enter "Date: yesterday Kind:image". I expect this nomenclature will be fully documented over time. These restrictive words will be especially useful in Open and Save dialog boxes, where Spotlight could produce daunting results.

`<http://www.apple.com/macosx/features/spotlight/>`

The capability to make use of some of the increasingly rich metadata produced by digital media devices is a boon. Imagine finding all pictures you've taken on a particular Canon camera model at a specific resolution. Right now you need to use a cataloging program such as iView Media Pro and keep that catalog constantly up to date.

There's another way to use these restrictive add-ons without knowing Apple's secret narrowing words - via Smart Folders.

**Folders as Search Results —** A couple versions of Entourage ago,

Microsoft added pseudo-mailboxes that were actually search parameters presented as a mailbox. Unfortunately, for those of us with zillions of messages, a search took an unbelievably long time with the search engine Microsoft used at the time.

Spotlight has taken that concept and extended it to the Desktop in the form of Smart Folders, which are essentially the live results of a set of search parameters you define. Spotlight's performance is good enough that you don't notice the fact that a Smart Folder is populated dynamically.

Along the way, Apple removed Panther's advanced searching from the Finder; selecting Find from the Edit menu effectively creates a new Smart Folder (using the same dialog as the New Smart Folder command) that isn't yet saved. To create a search that narrows down beyond keywords, you either learn the incompletely documented nomenclature described above, or use Smart Folders.

When creating a Smart Folder, the default parameters are Kind: Any, and Last Opened: Any Date. The buttons above the search parameters list Servers, Computer, Home, and Others. If you leave it set to Home, the search is restricted to the current user's Home directory. I prefer setting it to Computer to take full advantage of Spotlight's capabilities, and because I keep documents and other files stored throughout my hard drive, not just in my Home directory as Apple would prefer. (Click Others to add or remove specific folders or hard drives.)

You can create a Smart Folder, too, in any Finder window by typing a search in the Spotlight field. That Smart Folder doesn't show the default scope of Kind and Last Opened, but you can click the plus sign at the upper right next to the Save button to add bounds.

Smart Folders let you mix the contents of the Spotlight field, in which you might enter keywords, with restricting conditions. Click the plus sign next to any condition to add more.

Select the pop-up menu that's the condition's name and you can select one of several favorite conditions, or select Other.

In Other, you will see the full range of predefined metadata that's supported in Spotlight. For instance, select URL and you can choose to find any document that contains that URL. Check the Add to Favorites box and that attribute now shows up in the condition pop-up menu.

I don't want to turn this into 10,000 words on Smart Folders, but there's more: you can show the top 5 or all results for a given document category; sort by date or kind; click the "i" button next to a file to see a summary of its information; view PDFs by a thumbnail of their first page; show images; and so forth.

**Rethinking Filing** – Filing is a tedious activity that computers were supposed to save us from, right? That's why I was so excited to see Creo's Six Degrees program a few years ago. Six Degrees integrated with certain email programs under Mac and Windows so that recipients, subject lines (discussion threads), and attachments were the three points of a triangle. You could rotate your email-world around to view it through the window of who you corresponded with, what you talked about, and what files were involved. (The product was sold to Ralston Technology Group and is now marketed as Clarity.)

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

Spotlight expands that notion far, far beyond those modest but significant goals. Six Degrees was trying to free people from ever having to decide in which mailbox an email message should be stored, and in which folder a file belonged.

I don't think Spotlight yet allows us to break down all barriers and use one giant email folder to store all messages, and one giant Finder folder to store every file we create or receive. But, it is moving us closer to what I

think people actually want from their computers: not to spend a good percentage of time categorizing.


Perhaps it will take some time yet, but I perceive the future of information to be much more amorphous. Instead of discrete information chunks, every graphic, letter, report, presentation, movie, or other project piece is just a blob in the middle of some kind of data medium that we navigate through in many different ways: by date, by content, by visual presentation, by keywords, by attributes.

That is, the interface to our data is no longer the worn-out metaphor of files and folders, but a rich interactive approach that mediates between an underlying structure we don't need to understand and our desire to find things by the way we remember them. Say goodbye to descriptive file names, for instance.

I didn't come up with this way of viewing the future of desktop information, nor did Apple. David Gelernter, a Yale University computer science professor, has been talking about this since at least 1991. Although a company he founded to implement these ideas seems to have disappeared, his ideas are well represented in a 2003 interview: read the section on Information Beams.

<[http://java.sun.com/developer/technicalArticles/Interviews/gelernter\\_qa.html](http://java.sun.com/developer/technicalArticles/Interviews/gelernter_qa.html)>

In that interview, he said, "When I acquire a new piece of 'real-life' (versus electronic) information - a new memory of (let's say) talking to Melissa on a sunny afternoon outside the Red Parrot - I don't have to give this memory a name, or stuff it in a directory. I can use anything in the memory as a retrieval key."

Spotlight is probably the first mainstream operating system or program to take a big step towards Gelernter's humanist view that maps how we think to what we have stored. 

by Tim Sullivan

## May Software Review



**BurnItAgainSam 2.0.1**  
<http://toolsonten.com/en/03TOOLS>

Requires OS X 10.3 or later.

If you are one of those people that really hate to waste space here's a program that will allow you to cram those CD's full of stuff. We're talking CDR's here folks.

There are two caveats:

- Users should note that each time you reburn a CD, another approximately 18 MB of headroom is consumed.
- This only works on CDs that have not been closed. (Either you have used BurnItAgainSam from the start or any other program that supports leaving the CDRs appendable.)

BurnItAgainSam lets you add files to your CDR multiple times easily. Instead of showing a CDR icon for each session, the CDR burnt using BurnItAgainSam shows all the files ever burnt together, as if you had burnt them at once. The format of the CDR is also windows compatible. Plus: BurnItAgainSam lets you change the name of your CDR at each burn. BurnItAgainSam performs real incremental updating if you burn a Folder twice, automatically checking what files have been added or changed and only using space for these. If you want, you can decide to start over at any time and hide the contents of previous sessions at the next burn.

BurnItAgainSam makes burning "linked" multisession CDRs really easy. You can add as little data as your want to your CDR at each burn without creating a confusing CDROM that mounts multiple icons when inserted. You will not waste space because this allows you to continue

*Continued on page 10*

## May Software Review

adding data until the CDR is completely full. Equally named files will be overwritten and the CDR will only show their most recent version. With V2.0 it even check what files have changed and reburns only the new ones. Backing up your data to a CDR has never been easier.

Furthermore, the resulting CDR is windows compatible.

More technically spoken, BurnIt-AgainSam is a tool that burns folders or files as a ISO 9660 joliet rock ridge multisession CDR, that links to previous sessions if they are available, and performs incremental updating during data preparation.

### Before Upgrading System Software

This month we have two system upgrades: OS X 10.3.9 and Tiger , OS 1.4. For the more conservative of us who would like to ease into these sort of changes, we recommend the following procedure when applying a System Update

1. Consider backing up your current system with Carbon Copy Cloner.
2. Make sure your hard drive is in good shape: Boot from the OS X Install CD and run Disk Utility's Repair Disk function (or use a third-party drive utility such as DiskWarrior or TechTool Pro). Use the latest Install CD.
3. Run Disk Utility's Repair Disk Permissions function from the OS X Install CD.
4. If you have any FireWire devices connected, turn them off and disconnect them before installing the update. This includes iPods, as the iPod is a FireWire hard drive.
4. Install the update.

5. After rebooting, again run Repair Disk Permissions.

Using this update procedure avoids many of the common problems incurred after each update to OS X.

## Apple Updates

### SuperDrive Firmware Update 04/26/05

System Requirements  
– OS X 10.3.8 and greater

The SuperDrive Firmware Update delivers updated SuperDrive firmware to improve reliability when accessing DVD and CD media.

Systems:  
- Power Mac G5 (June 2004)  
- Power Mac G5 (Late 2004)  
- eMac (USB 2.0)

### GarageBand 2.0.1 Update 04/25/05

System Requirements  
– OS X 10.3.4 or later

GarageBand 2.0.1 addresses issues with duplicating tracks, playhead snapping to grid, joining software instrument regions on adjacent tracks, making precise adjustments to volume and pan settings, and converting Software Instrument Apple Loops based on drum sounds into Real Instrument Apple Loops.

### Java Update for Mac OS X 10.3.9 04/21/05

System Requirements  
– OS X 10.3.9

This update will correct issues affecting some Java users following the installation of Mac OS X v10.3.9 Software Update.

### Garage Band Jam Pack 4 (1.0.1) 04/19/05

System Requirements  
– OS X 10.3.4 or later

This software will update your version of Jam Pack 4: Symphony Orchestra to Jam Pack 4: Symphony Orchestra 1.0.1.

This update addresses isolated issues with the sound quality of some Software Instruments when used with GarageBand 2, Logic Pro 7, or Logic Express 7.

### Security Update 2005-004 04/19/05

System Requirements  
– OS X 10.2.8 - 10.3.9  
– iSync 1.5

Delivers a number of security enhancements and is recommended for all Macintosh users.

### Mac OS X Combined Update 10.3.9 04/15/05

System Requirements  
– OS X 10.3 through 10.3.8

Delivers improved compatibility and reliability for Mac OS X v10.3 "Panther" and is recommended for all users.

Improvements include:

- network volumes are now available in the Finder sidebar and Desktop for convenient access
- file sharing and directory services reliability for Mac (AFP), UNIX (NFS), PC (SMB/CIFS), PPTP, and wireless networks
- support for NTFS formatted volumes
- reliability of user logins, mounting of home directories in a networked environment, and launch of network applications
- updated PostScript and USB printing
- updated font management
- reliable disc burning and recording functionality
- Bluetooth compatibility for Apple Wireless Keyboard and Mouse and Bluetooth phones.
- iPods connected via USB 2.0 are now recognized by iTunes and iSync
- updated Open GL technology and ATI and NVIDIA graphics drivers
- updated Address Book, Calculator, Disk Utility, DVD Player, Image Capture, Mail, Preview, Safari, Stickies, and QuickTime applications
- compatibility for third party applications and devices
- additional support for FireWire and USB devices

- FileVault, FireWire 800 and WebDAV improvements from Update 10.3.1
- previous standalone security updates and Bluetooth Update 1.5.1

### Mac OS X Update 10.3.9 04/15/05

- System Requirements
- OS X 10.3.8

Delivers improved compatibility and reliability for OS X v10.3 “Panther” and is recommended for all users.

Improvements include:

- file sharing and directory services reliability for mixed Mac and PC networks
- Mail, Safari and Stickies application reliability
- compatibility for third party applications and devices
- previous standalone security updates

### iDVD 5.0.1 Update 04/14/05

- System Requirements
- OS X 10.3.4 or later
  - 733MHz G4 or faster processor
  - 256MB of physical RAM (512MB recommended)
  - Display with at least 1024 x 768 pixel resolution
  - QuickTime 6.5.2 or later

iDVD 5.0.1 updates iDVD 5.0. This update addresses issues related to general stability and compatibility with iPhoto slideshows and iMovie

HD. This update is recommended for all iDVD 5.0 users.

### iMovie HD 5.0.2 Update 04/14/05

- System Requirements
- OS X 10.3.4 or later
  - QuickTime 6.5.2 or higher
  - 400 MHz PowerPC G3
  - 256 megabytes (MB) of RAM (512 MB of RAM required for HDV support)
  - 2 gigabytes (GB) free hard disk space
  - A display with at least 1024 x 768 pixel resolution

iMovie HD 5.0.2 update addresses issues related to video and audio synchronization for DV projects and other issues. These include:

- Audio in PAL widescreen
- Sharing (exporting) HDV to video-camera tape
- Synchronizing with HDV 720p content
- Importing video from a DV videocamera when using analog passthrough or recording live video
- Compatibility with some analog-to-digital converter boxes
- Capturing video with Hi-8 (Digital 8) devices
- Placing titles over DV content
- Playing iPhoto slideshows that include protected content
- Opening iMovie 4 projects that use speed-adjusted clips.

### iPhoto 5.0.2 Update 04/14/05

- System Requirements
- OS X 10.3.4 or later
  - iPhoto 5
  - OS X v10.3.6 or later required to work with RAW photos
  - 400MHz PowerPC G3 processor or higher
  - QuickTime 6.5.2 or higher


iPhoto 5.0.2 addresses issues with application performance on older Macs and improves the stability of book layout, slideshows, and more. Changes include:

- The book layout mode now allows resizable thumbnail photos for easier layout
- Slideshow performance is improved on G3 systems
- The exporting of slideshows to iDVD has been improved
- Photo-editing performance is dramatically enhanced on G3 systems
- The “Fit Slideshow to Music” feature more tightly synchronizes slideshows with music

### iSight Updater 04/14/05

- System Requirements
- OS X

The iSight 1.0.3 Update provides

- Improved audio performance
- Improved auto exposure
- Improved auto white balance
- Enhanced IIDC compliance
- Better overall performance 

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Dues for one person are  \$20/yr.

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To join Keystone MacCentral, mail this form with your membership dues (payable to Keystone MacCentral) to:

**Keystone MacCentral  
Membership Chair  
1020 Pines Road  
Etters, PA 17319**

Keystone MacCentral meetings are held at 6:30 p.m. on the 3rd Tuesday of the month at Gannett Fleming, 209 Senate Avenue, Camp Hill.

# Keystone MacCentral

1020 Pines Road  
Etters, PA 17319

## FIRST CLASS

Keystone MacCentral ♦ 717-932-4009 ♦ <http://www.keystonemac.com/>

## Road Trip



We're going on the road!

Our May meeting will be held at the WSSD Mac Lab/TV Studio, where Bill Spong and his Media 1 and 2 students use G5's to create powerful multimedia productions.

From the Camp Hill area, take I 83 South.  
Get off at the Fishing Creek exit and turn right.

### Gannett Fleming

Gannett West Building  
209 Senate Ave ♦ Camp Hill

**Tuesday, May 17, 2005, 6:30 p.m.**

**Attendance is free and open to all interested persons.**