

NorthWest

# PASSAGES

The Official Magazine of The NorthWest of Us

Mar/Apr 2008

*Spring into  
Spring  
with Leopard*



Upcoming events...

Photoshop Elements & Excel Workshop

Find out how much energy your computer  
is using with the Kill A Watt Meter



A CHICAGO AREA MACINTOSH USERS GROUP

**TNWoU Main Member Meeting**

**Saturday, Mar 8, 2008, 10 AM**

**Saturday, Apr 12, 2008, 10 AM**

**Hotel Indigo, 920 East Northwest Highway, Palatine, IL**



At Hotel Indigo, Chicago-Schaumburg North, we've made planning your event easy, with courteous, knowledgeable staff to assist you with all the details. There's room for events of almost every size:

- 9,000 square feet of meeting space available
- Nine meeting rooms
- Group accommodations for 250 attendees

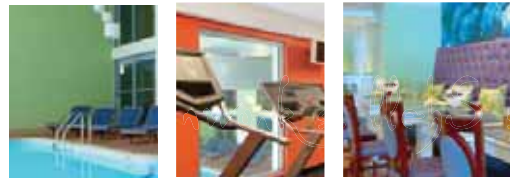
There are plenty of amenities, as well, such as fresh-brewed Starbucks beverages at the Golden Bean Restaurant, an indoor phitness center and pool, and wonderful places to grab a bite to eat and chat. Business resources are available, such as high-speed Internet access, private meeting rooms and work areas, fax and more.

Why not plan your next event at Hotel Indigo and make it a "vacation from stress?"

Invite. Intrigue. Inspire.

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Isn't It Time You Were Rewarded, Too?



After planning events, why not reward yourself with your own well-deserved getaway? Hotel Indigo Chicago-Schaumburg North offers Priority Club Meeting Rewards, an exciting program that lets you earn points towards your own vacation or other rewards.

- You earn 3 points for each \$1 spent, each time you plan a qualified meeting\*
- Points never expire and there are no blackout dates.
- Hold one qualified meeting and you'll reach Gold Elite status, giving you 10% Elite bonus points and priority check-in status. Hold your second in a calendar year to achieve Platinum status, giving you a 50% Elite point bonus, complimentary room upgrades at check-in, priority check-in status, and guaranteed room availability (72 hours in advance).

- Points can be redeemed for any of the following rewards (it's your choice!):
- 10,000 points earns you a personal stay through our Priority Club Reward Nights
- Priority Club Meeting Credits: Receive an American Express branded prepaid card ranging in value from \$250 to \$1000, redeemable for future meetings, professional or personal travel
- Points can be redeemed for airline miles, retail gift certificates, brand-name merchandise and more

The next time you plan an event, come to the hotel where it's easy to relax, refresh and be inspired. And earn yourself your own getaway. Because you deserve it.

**Hotel Indigo Chicago-Schaumburg North**  
Call (847) 359-6900 or  
visit [hotelschaumburg.com](http://hotelschaumburg.com).

\* Qualified meeting: Ten (10) reserved guest rooms for one night.

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## Regulars

- 4 Editor's Desk**  
by Annie Huss
- 5 PrezDesk**  
by Dave Lankin
- 12 Calendar/SIG Essentials**  
by Ray DuCasse
- 14 Tips and Tricks/Hunting Leopard**  
by Dan Kuehling
- 16 February Meeting Pics**  
Photography by Judy Tetzlaff
- 17 Service Directory, Meeting Dates/Workshops**  
Compiled by Annie Huss
- 18 March CD of the Month**  
by Jacquelyn Adler
- 19 April CD of the Month**  
by Jacquelyn Adler

## Reviews

- 6 Data Rescue**  
by Jennifer Shroder
- 8 PowerCost Monitor**  
by Paul Cook
- 10 Kill A Watt Meter**  
by Paul Cook

Cover by Annie Huss



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# eDesk

by Annie Huss

This winter seems to be an extra long one don't you think? Well, I guess that's what we always seem to think about this time of year. Our furry friend Punxsutawney Phil has crushed our hopes yet again promising us another 6 weeks (I'm convinced it's 6 months) of winter and mother nature will make sure we won't enjoy a day of it. On a brighter note, this issue we are trying to prepare you for the months ahead and remind you that green beautiful flourishing grass is indeed under that snow.

In recent months, even the past few years, going "green" has been the hot topic amongst politicians, media and thankfully foreign as well as domestic car companies. And now, it is important that computer owners become more conscious of how we might be able to save some energy and a couple bucks in the process. Paul Cook has written a couple of informative articles discussing what we can do to save a few pennies while using a Macintosh. This all comes at an appropriate time with 2008 Earth Day April 22nd this year.

This issue, Dan Kuehling reintroduces the main points of updating one's computer to Panther and the possible pitfalls that you will want to avoid. This is especially informative for those who missed his presentation a few months back.

So while March and April will bring us showers, lets hope it brings us a successful stock market (aahemm, Apple Stock...I'm hurting) and happy computing into warm sunny days.

See you all next meeting. 🐻

Annie Huss



by Dave Lankin

The first two meetings at our new venue, the Hotel Indigo, have gone very well. The room arrangements for the two meetings are evolving and have been different. For the February meeting, we took Pete Occipinti's suggestion (Thanks Pete!) for a room arrangement and it was well received by the members in attendance. We'll make a few "tweaks" of the room arrangement and we'll be there. Both meetings were well attended. At the January meeting, Ron Herrmann gave us a tutorial on how to get the best from your digital pictures using Photoshop, Photoshop Elements, and iPhoto. At the February meeting Tim Allison gave us the "scoop" on what went on at Macworld. Great presentations guys!

Change in Meeting Venue – As noted last month, the meetings of TNWoU will be held at the Indigo Hotel, located at the corner of Rt. 53 and Rt. 14. The hotel is located just around the corner from our "old office" and is still very easy to get to. Maps and links to the hotel will be available on TNWoU website and in Passages. All of TNWoU SIG meetings are also scheduled to meet at the Hotel Indigo and a schedule of the SIG meetings will be posted to TNWoU website. Please take note of the change in meeting location. For maps and directions to the new meeting venue, consult TNWoU website.

Bootcamps Scheduled – We have scheduled two bootcamps for the March / April timeframe. On Saturday March 29, 2008 a bootcamp on "Introduction to Excel" will be held at the Hotel Indigo beginning at 8:30 – 12:30 and will be taught by Debby Abbott. If you want to learn some of the introductory basics of Excel this may be just for you. The cost will be \$40 for members and \$70 for non-members.

The other bootcamp that has been scheduled for Saturday April 19, 2008 is on "Photoshop Elements" and will be held at the Hotel Indigo beginning at 8:30 – 4:30 and will be taught by Ron Herrmann. Interest in this bootcamp was indicated from Ron's presentation at the January meeting. The course will detail how to use Photoshop Elements for the processing and enhancement of digital photos as well as related applications of the software. The cost will be \$60 for members and \$90 for non-members.

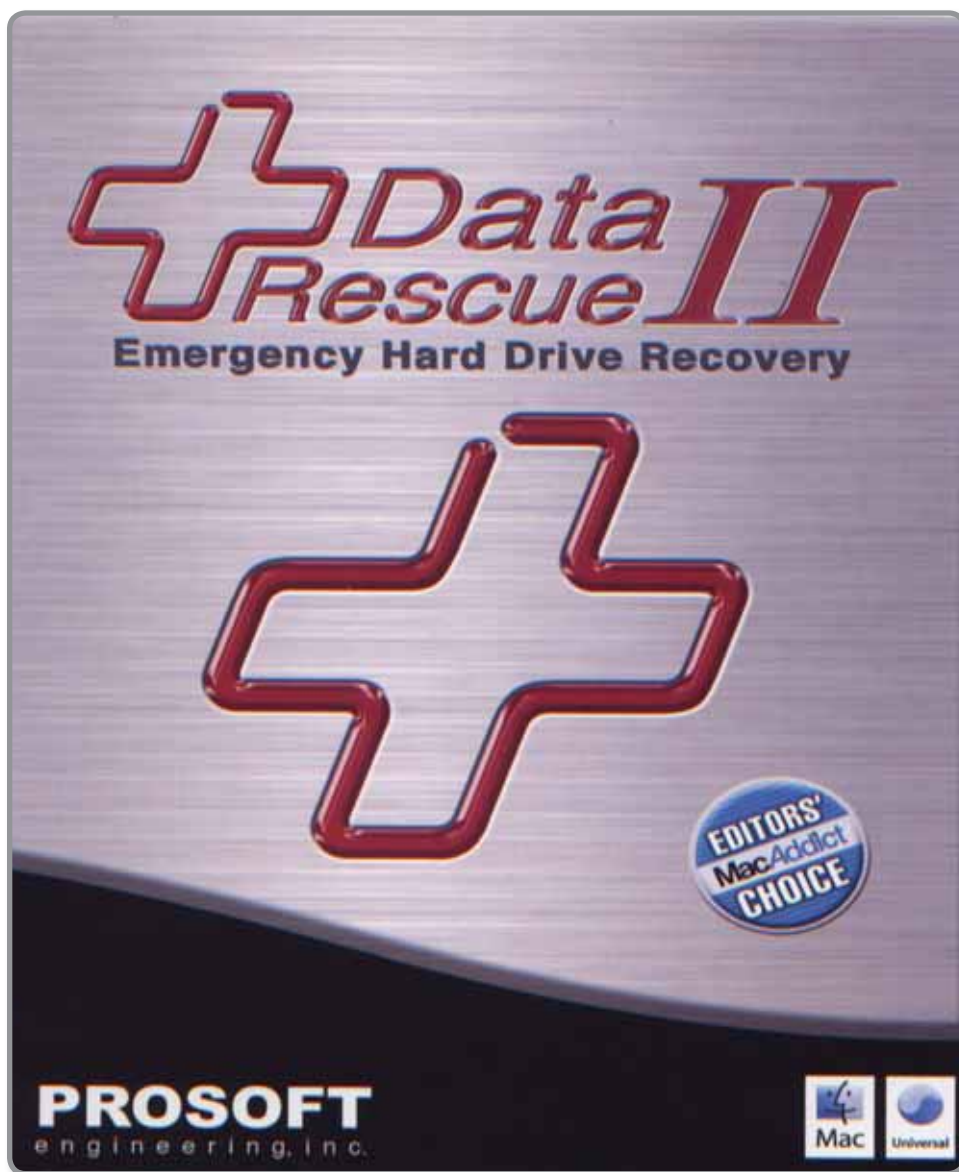
As has been the policy in the past, non-members who elect to join TNWoU within 30 days following either bootcamp, will be allowed to apply \$30 of their registration to their membership dues.

We will be also be scheduling additional bootcamps throughout the year. If there is a bootcamp that you would like to see TNWoU hold, please feel free to contact me with your suggestion.

Dave Lankin  
President  
The NorthWest of Us

# PrezDesk

by Jennifer Shroder



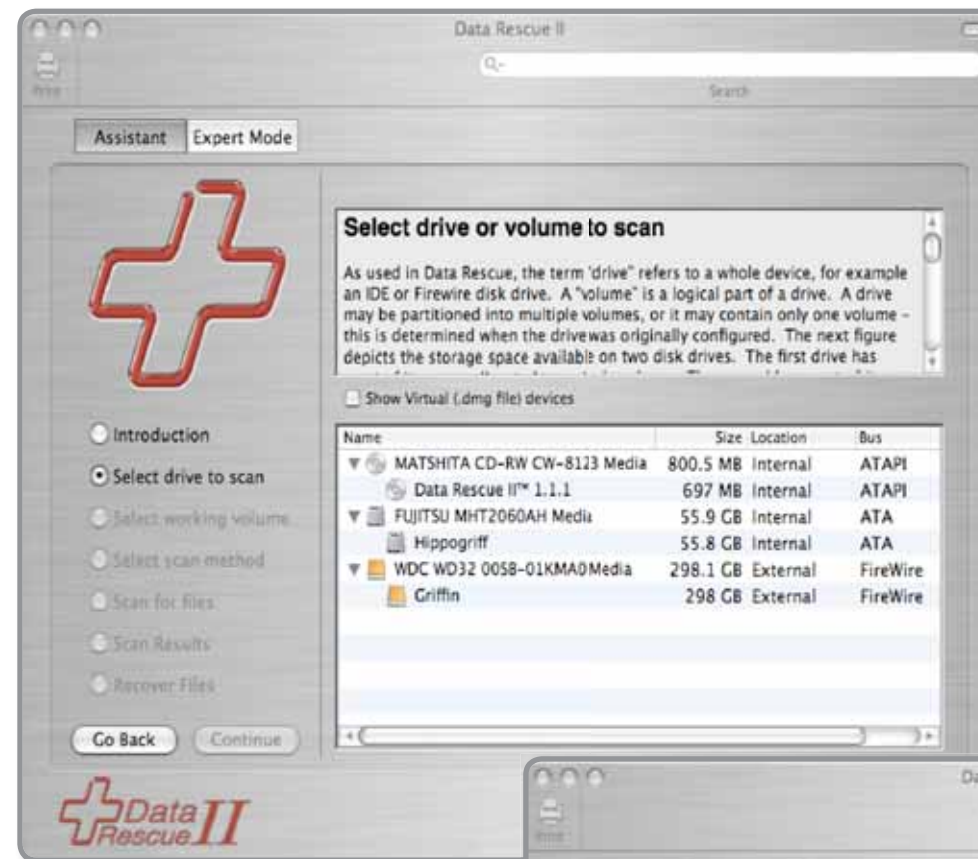
If you want to protect your data the ideal way is to back it up. But what happens when your data gets deleted accidentally? I have a 60GB hard drive on my little Powerbook. So because I had a lot of photos in my iPhoto library, I moved the files to a 120GB external hard drive. Somehow, that morphed into three copies of my iPhoto library on the external. I don't remember why I thought that was a good idea or if that was even on purpose.

But for some reason, I had three copies, and of course, none of them were identical. I figured out that I had this problem because my Backup program (from Apple) was complaining that there wasn't room for any more backups on that disk. I realized that something had to go. For some reason, I thought that the original and most complete copy of the library was on my internal hard drive, and I deleted all three. A few days later, I discov-

ered that the folder on my Powerbook was only a shell for the program, there were no photos inside. Of course the initial panic will take a few months off any person's life, but once I got past that, I remembered that there had been a demo of a product at a meeting only a few months previously. I got some good advice from the membership on how to being and what to do until I had the program (since I had not had the foresight to purchase it at the meeting...) like: "Don't touch the drive with the deleted data, anything you do will likely overwrite something you want to rescue." I had already made one backup so that was out, but I could minimize further data loss and did. I found the name of the company on the NWOU website and searched for it. I was able to download it from the company's website: <www.prosofteng.com>.

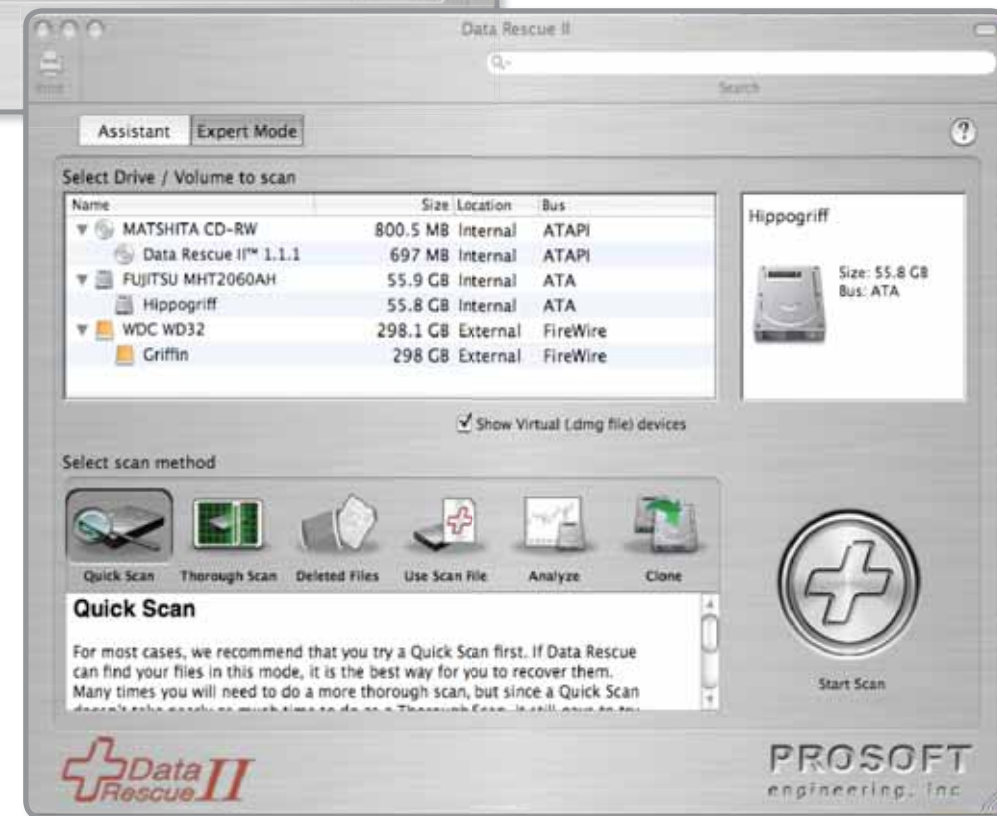
A demo version determined that the files were there and retrievable. So I paid for the disks to be sent to my house, after I downloaded a full use version. This was an easy program to use, intuitive and straightforward. I was able to recover most of my files, particularly because I had had three copies of most everything on the disk somewhere. Your recovery may differ depending on how much activity occurred before you discovered that you were missing your files.

We even tried this on a flash memory card from a digital camera, one that had been in my mother-in-law's camera. It had been deleted from the camera accidentally, and we were able to recover all the photos (over 100) on that card. This was wonderful, as the originals had been put on a hard drive that had died hard without a back up. (Yes, I have told my brother-in-law about the importance of making backups before...) If you are having problems with your internal hard drive, you insert the CD-ROM into your computer and restart your computer while holding the "c" key and it boots off the disk. From there you follow the instructions.



In Assistant mode, it walks you through the steps you need to go through to get the job done. Very straight forward, easy to do. In Expert mode, you tell it what you need, and it does what it needs to do.

We tried to recover data from that dead hard drive, but there the program seemed to falter. No level of scanning seemed to be able to recover any data. It just hung for hours and hours. I left it run over night and nothing came of it. I don't know if it was ever going to do anything eventually, but I felt that if it didn't do anything over a six hour period, it likely never would. Maybe



that was wrong but I felt at that point it was likely we would need professional help, not just a program. Professional help is usually very expensive, so we wanted to exhaust all our options. As for my photos, I still have to sort through all the multiple copies of all the photographs that the program rescued. And not only did I delete all those photos, I also deleted all the notes I made so carefully describing all the photos. There were no dates on any of the rescued files either. So I still have my work cut out for me. But I have the files and that is what is important.

*So the moral of the story is "BACK UP!" (Just in case you didn't get that message from the above narrative.)*

If you want to lose weight, you need a good scale and you need to look at it regularly. Without feedback, it is hard to see how well you are meeting (or not meeting) your objectives. Similarly, if you care about reducing your electrical power consumption of your home, you need a good way to measure that. The PowerCost™ Monitor (abbrev. PCM) from BlueLine Innovations is such a device. <www.bluelineinnovations.com>

The PowerCost Monitor will tell you how much electricity you are currently using either in terms of cents per hour or in terms of Kilowatts hours. So you can see the impact of using various lights, appliances, computers, printers, air-conditioning, etc has on your power consumption and your energy bill.

The unit also reports total consumption, temperature (at the meter) and time. But the main reason for this unit is power monitoring, so that is where this review will focus.

## Not Just For Global Warming Zealots

As a very important point, I should point out that you have good reasons to want to save energy even if you aren't a "true believer" in the Global Warming religion. Still, even if GW is false, the trend of energy rising in cost is likely to continue. And what if the Russian and other scientists, who now predict that we may be entering another mini-ice age turn out to be correct? Well then, we're going to need all the energy we can, just to keep from freezing.

Now if you are a GW true believer, you should still be happy about this product. And you should be happy

that even those who don't share your convictions want to save energy.

## Impressions

Overall, my spouse and I were quite pleased with the PowerCost Monitor. It works well, was relatively easy to install, and provides valuable feedback about how much electrical energy your household is consuming. Besides being useful for helping keep your energy costs down, it is also a cool novelty toy.

As the incandescent bulbs have burnt out, we have largely converted most of our lights to power saving florescent fixtures. Since many compact florescent bulbs are not recommended for use on circuits with a dimmer, motion detector or similar, there are a few locations that may not be converted anytime soon.

It can be fun to see just how low you can get it to go just by shutting off unnecessary things.

One can tell the difference between turning on a number of compact florescent lights and turning on a few standard incandescent. The CFs clearly do save \$\$\$\$. A glance at the Monitor, will also remind you to make sure all unnecessary power consuming devices are off.

Motors in washers, dryers, refrigerators, sump pumps, well pumps, furnace fans and all our other "conveniences" of modern life also caused the cost per hour to go up.

Of course, when high energy consumers, like the Air Conditioner goes on, the power consumption really jumps.

In the summer, when the AC is actually running, our power costs go up to over \$1 per hour. Fortunately, the AC does not run continuously. Still, it is easy to see how better insulation could help.

## How It Works

The PCM has two main parts. There is a sensor, which fastens to your utility power meter and senses the power. There is also a display unit, that reports the usage. Both units run on standard AA batteries. There is no need to run wires as the sensor contains a radio transmitter and is linked to the display unit wirelessly.

For most of us, the power meter is somewhere on the outside of the house. If you have a condo, townhouse, apartment or other shared unit, there are a few things you should check before you rush out and buy this unit.

Make sure that you have your own separate meter just for your living unit. You will need physical access to it to install the sensor. Also make sure that it is not too far from the meter to your living unit. I don't know what the wireless range is. But one might reasonably expect a problem if all of the electrical meters were all grouped together, ground-level on the east end of the building and your living unit was on the 10th floor west end of the building.

The sending unit is designed to work on many meter types from the old fashioned mechanical/magnet ones as well as the new electronic models.

On the old fashioned mechanical/magnetic units, the sensor seems to just count rotations of the spinning disk.

## Installation

The only tool needed is a standard flat blade screwdriver to tighten what is eventually a giant hose clamp, that is used to affix the sending unit to the meter.

The PCM even came with the necessary batteries. Not some off brand either,

but Duracell "coppertop" alkaline batteries are included. However, we installed Lithium AA cells in the hope of getting even longer life between battery replacements. One thing that we do wonder is what to expect for the battery life. Should we change them once a year, or more, or less?



Most of us think we know which end of a screwdriver to hold and we "don't need no stinking instructions." Installation isn't hard at all. Still, I strongly recommend watching the enclosed DVD video before installing.

There was at least one minor place where the video was correct and the printed instructions were not. The video also had the only mention that I noticed about the included rubber shims or the alignment template. It mentions them, so you now know what they are, but doesn't really tell you how to use them.

We had one of the old fashioned mechanical/magnetic units. Our glass cover was of the smaller size, so we needed to use one of the foam spacers. Still, the installation was easy. Fortunately, it was also quick as the heavy rains a few days prior had given us a bumper crop of hungry mosquitoes.

We ended up installing it. And then a few days later, it quit working, so we

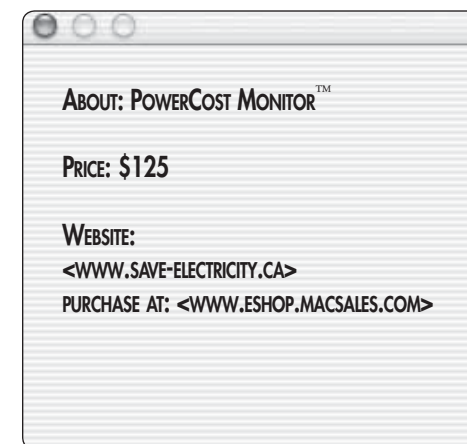
tweaked the alignment. Not sure if we got it borderline initially or if something bumped the sensor. (We do have lots of cute squirrels/tree rats. Did one of them do it? Or maybe the meter reader trying to figure out what it was?) Whatever the cause, it has now worked fine, for many months, ever since.

After you get the sending unit installed, you need to sync the display unit to the sensor and program it for your local electric rates and meter type. This is a bit like programming most alarm clocks and you may need to follow the instructions to get it right. You will probably also need to find a recent electric bill to figure out what you are paying for electric rates.

## Where To Buy

The PowerCost Monitor is available from a number of sources, including Other World Computing, with whom our computer user group has a relationship. OWC's standard price for the unit is \$125.

You can purchase it at [eshop.macsales.com](http://eshop.macsales.com). I was also able to find it at a number of other Internet suppliers. 🍎



## Don't Throw That Computer Away!

### Apple Offers Free Computer Take-Back Program

US customers who buy a new Mac through the Apple Store ([www.apple.com](http://www.apple.com)) or Apple's retail stores will receive free shipping and environmentally friendly disposal of their old computer as part of the Apple Recycling program. Equipment received by the program in the US is recycled domestically and no hazardous material is shipped overseas

<http://www.apple.com/pr/library/2006/apr/21/takeback.html>

From P3 International

by Paul Cook

There are a number of reasons why you might want a Wattmeter. If you read the companion article about the BlueLine Power Cost Monitor, then you already know of a good, whole house solution for monitoring your electricity usage. However, what if you want to find out how much power a particular device is consuming? It might be to save energy by identifying the power hogs in your home or business. Or it might be that you want to buy a UPS and you'd like to get some real world numbers on how much VA a particular device needs. These are a few of the applications where such a meter might come in handy.

The Kill A Watt™ meter (abbrev. KAW) from P3 International is such a device. < <http://www.p3international.com/> >

## What it Measures

This particular unit not only measures watts, but it also measures VA (needed for sizing UPS), Amps (current), Volts,

frequency (Hz), Power Factor and cumulative Killowatt-Hours.

P3 International claims that the accuracy has a maximum 0.2% error. This isn't laboratory accuracy, but it should be more than adequate for the purposes we suggested earlier.

## What it Costs

The basic KAW lists for \$50, but can be found on line for about \$25. P3 International actually makes two other similar products. The Kill A Watt EZ is an enhanced product that adds the ability to calculate electrical costs. It's list price is about \$60, but it can be found on line for about \$42. The Kill A Watt PS is essentially an EZ built into an 8 port power strip. I couldn't find anyone who suggested what the list price of the PS version was, but I did find it online for just under \$100.

## Impressions

Generally, I found the KAW pretty easy to use. You plug it into an outlet. You plug the device that you want to measure into it. Then you push the button for the measurement that you want to take. It updates the measurement every couple of seconds or more. Since it is a bit large to plug into many power strips, it is handy to have a short extension cord to use with it.

It would be nice to have a unit with a USB port and Mac software so that we could capture the data it sees. But then it would not be a \$25 to \$30 product. Still, I think I'd be willing to pay twice as much for a unit with that additional functionality.

But overall, I think the unit is a good value for what it is and does. And if you need an inexpensive meter with the functions that it performs, this product should be on your short list of candidates.

From P3 International

by Paul Cook

## Sample Measurements

Following are a few measurements taken with the KAW of things that a computer geek might have.

In some case, such as the printer, when it was printing, the reading would change. I think this may be due to the printer adjusting it's power consumption as necessary to heat the fusion rollers.

Notice that some of the units consume power even when off. Also notice that some of the "wall-wart" type power supplies waste an appreciable percentage of their in-use power even when the unit they are intended to power is unplugged from them. Other things besides computer equipment uses these wall-wart style power suppliers. And like the G4 Mac, even normal devices sometimes use power when you think they are off. True, each of them doesn't consume that much by itself. But, considering all of the similar electronics units that use such supplies, it is easy to see how these can add up to some real power consumption for a home, a business and the world. 🐻

## Watts vs. VAs

### Watts, VA, PF ??

Somewhere, perhaps in high school physics class you may have learned something called Watt's law.

$$P=V*I$$

Or maybe you learned that

$$\text{Watts}=\text{Volts} * \text{Amps}$$

So, you wonder, why are Uninterruptible Power Supplies rated in VA instead of Watts?

Well, without getting into Electrical Engineering 205, the simple explanation is that in high school, you got the high school version. It wasn't untrue; it's just that the real world is sometimes a bit more complicated.

Capacitors, Inductors, and other real world loads will sometimes accept power for a very brief amount of time. Then in the next fraction of a second, they will give some of that power right back. At any instant in time the power being delivered is the product of the voltage and the current. But sometimes it is flowing from the wall into the device, while other times it is flowing back out of the device into the wall.

So while the formula you learned is true for any instant in time, it doesn't help you understand the net power delivered over a cycle.

When the alternating current voltage and current are not in phase, this occurs. You may have a lot of current flowing, but because it isn't in phase with the voltage, very little power actually stays in the load.

So if you want to know the effective power delivered over a cycle, Volts\*Amps or VA using values from a typical Volt and Amp meter won't do it.

The Power Factor (PF) is the ratio of the real power that gets delivered to the load (and stays) to the apparent VA power. It can range from 0 to 1.

For a UPS the VA information is very useful. Because even though the load didn't keep, and consume, the power, the UPS has to be big enough to provide it.

It turns out that power utilities care too. They care for similar reasons. First they have to provide all that power. But additionally, resistive wire losses are a function of current flow. So when they deliver power to you, the current results in some losses and when you deliver it back, the current results in more losses.

If you are a large commercial user of power, they will charge you extra, if your PF gets out of line.

For those wanting to know more, wikipedia has a slightly more technical overview. And your public library should have lots of books with more information.

Unit Under Test	State of Unit	Watts	VA	Unit Under Test	State of Unit	Watts	VA
Black & Decker Brew N Go Single Cup Coffee Pot	Brewing	790	790	Apple 733 MHz G4	Sleep	13	28
Brother MFC 8840DN Multi-Function Laser	Idle	12	23	Netgear GS108 Gigabit Switch Power Adapter	Plugged into Switch	4	11
Brother MFC 8840DN Multi-Function Laser	Printing	890-1,000		Netgear GS108 Gigabit Switch Power Adapter	Unplugged from switch	0	
Apple iSight iMac G5	ON	85	92	Netgear MR814 Wireless Router	Plugged into Switch	4	7
Apple iSight iMac G5	Sleep	12	14	Netgear MR814 Wireless Router	Unplugged from switch	1	5
Apple 733 MHz G4	Off	6	14	Linksys BEFSX41 Router	Plugged into Switch	4	5
Apple 733 MHz G4	Running	100	145	Linksys BEFSX41 Router	Unplugged from switch	0	3



Kill A Watt Meter

MARCH 2008					
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Please note: all sig's now meet at the Indigo Hotel, Palatine, IL. Main Mtg. in DaVinci Rm. Sigs in Plato Rm.					1
3	4 7:00PM Meeting Internet & Web SIG <b>HIATUS</b>	5	6 7:00PM: Meeting Programmers SIG	7 7:30PM Meeting Office/iWorkSIG	8 8:30AM: Tech SIG 8:30AM: Novice Users 10AM: Main Meeting
10	11	12 7:00PM Meeting FileMaker Pro SIG	13	14	15
17 7:30PM: Meeting TNWoU Board	18	19	20 NO Meeting Graphics SIG <b>HIATUS</b>	21	22
24	25	26	27	28	29

CALENDAR DATES ARE SUBJECT TO CHANGE! CHECK THE WEBSITE FOR LATEST INFO!

APRIL 2008					
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3 7:00PM: Meeting Programmers SIG	4 7:30PM Meeting Office/iWorkSIG	5 10:00AM: Passages Staff Meeting
7	8 7:00PM Meeting Internet & Web SIG <b>HIATUS</b>	9 7:00PM: Meeting FileMaker Pro SIG	10	11	12 8:30AM: Tech SIG 8:30AM: Novice Users 10AM: Main Meeting
14	15	16	17	18	19
21 7:30PM: Meeting TNWoU Board	22	23 7:00PM Meeting \$ & Sense SIG verify @ nwou.org <b>HIATUS</b>	24 NO Meeting Graphics SIG	25	26 9:30 AM Meeting Genealogy SIG
28	29	30	Every effort is made to publish current information regarding SIG Meeting dates. Check with SIG leaders or the Website <www.nwou.org>		

CALENDAR DATES ARE SUBJECT TO CHANGE! CHECK THE WEBSITE FOR LATEST INFO!

## SIG Essentials

### AppleWorks

Learn basics of this powerful multifunctional program. Share in food, drink and spirited conversation on the second Saturday of each month. After the Main Meeting.

**ON HIATUS SEEKING NEW LEADER**

### FileMaker Pro

For all levels of users; meetings have general how-to discussions. Learn the importance of defining "Key" fields in creating relational files. "Show & Tell" is encouraged. Bring discs with your Filemaker databases for example or evaluation. Q & A at every meeting. Meetings: 7:00 p.m. 2nd Wednesday.

Contact: Lou Eisenberg <ironmountain@mac.com>

### F.O.O.D.

4 Fun, Obscure, Obtuse Discussion, share your retrospective of the meeting at

(place TBA @ January Main Meeting). Share in food, drink and spirited conversation on the second Saturday of each month. After the Main Meeting.

### Genealogy

Use the Mac to organize your family history and research your family tree. Supplement to traditional genealogical resources. Frequent discussions about Reunion 8 genealogical software as well as helpful websites. Occasional field trips to area libraries with genealogical collections. Meetings: 9:30 a.m. 4th Saturdays, February, April, June, August and October. Locations may vary. Check website for updates. Contact Gail Santroch, <sang546@comcast.net>

### Graphics

General graphics issues including font management, etc. Meetings: 7:00 p.m. 2nd Wednesday.

**ON HIATUS SEEKING NEW LEADER**

3rd Thursday of the month (no meetings July, August, December). Contact: , -----

### Internet & Web Site Design

Hosted by our current Webmaster. Internet and Web topics from the most basic to advanced are all fair game. Q&A session. Meetings: 7:00 p.m. 2nd Wednesday.

**ON HIATUS SEEKING NEW LEADER**

### Office / i-Works

Concentrates on the trifecta of office work: word processing, spreadsheets and presentations. Software includes products from iWork--Pages, Numbers and Keynote --Word--Excel and Power Point. Meetings: 7:15 (soft) 7:30 p.m. 1st Fridays. All levels welcome Contact: Debby Abbott (MSO)

### \$ and Sense

This is all about money management using financial applications. The mainstay app. is Quicken and its related TurboTax (form 1040). Meetings: 7:00 p.m. 2nd Wednesday.

**ON HIATUS SEEKING NEW LEADER**

### Novice Users Class

Meets 2nd Saturday of the month, 8:30 a.m. at the Holiday Inn, preceding TNWoU general meeting. For new & want-to-know-more Mac users. (Aimed at REAL beginners!) 8:30-8:50: pre-announced topic. 8:50-9:30: questions from the floor. We cover various Mac topics including how to use the basic Mac system, troubleshooting ("Whoa! How do I get this to work again?"), utilities, virus protection, all about RAM memory and disk space,

and connecting your computer to other computers and the Internet. Bring all your questions...nothing is too basic! Meetings: 9:30-9:45--an introduction to the topics presented during the main meeting. Contact: Bill Geraci, <billg35@aol.com>

### Programmers (PSIG)

PSIG aims to help programmers work through problems and understand technologies. There is a grand diversity in the group, from assembly experts to distributed object buffs. Java programmers can come here now that the separate Java SIG has disbanded. Meetings: 7 p.m. 1st Thursday. Contact: Jonathan "Wolf" Rentzsch, <jon@redshed.net>. Web site: <http://redshed.net/psig/> by notice to the TNWoU eNEWS electronic mailing list and Web site calendar. Contact: David C. Lankin, <lankindc@sbcglobal.net>

### Technical Macintosh

Delves into the more advanced topics such as AppleScript, ResEdit, and the ins and outs of Mac communication methodologies. Meetings: 8:30 am 2nd

Saturday--before TNWoU general meeting at the Rolling Meadows Holiday Inn., 3405 Algonquin Road. Contact: Tim Allison: <timallison@mac.com>. \*\* Get a 20% discount on all Intuit products here. Members & non-members. Must order through our link. Our group benefits too. Tell your friends, if they join they could attend the SIG with you and learn how to use Quicken.

### SIGS on Hiatus:

AppleScript  
Advanced Digital Imaging  
Mobile Computing  
Music/Midi  
Gaming  
Graphics

ATTENTION MEMBERS !!!!!!!  
\*\*\*\* WE NEED YOU \*\*\*\*

To help NWOu find Additional New Members  
--- Without your Help ---  
We can't help you

# Hunting Leopard and Tricks

by Dan Kuehling



## Can you install Leopard?

The first thing to consider- can you actually install Leopard at all? Time to review the system requirements for Leopard:

- Processor
  - G4- 867MHz or greater
  - G5- Any
  - Intel- Any
- RAM- 512MB or more
- Hard Drive- 9GB free
- Optical drive- capable of reading DVDs
  - DVD-ROM
  - Combo Drive
  - SuperDrive

Generally, this means any Mac made in 2003 or later. If you're not sure, ask the shiny happy people you find working at your local Apple Store. If you can give them a reasonable description of your Mac and when you bought it—or even better, if you can bring in the Mac

itself—they can tell you if your machine will make the grade.

If your Mac falls down in the RAM or hard drive areas, you can certainly contact our friends over at Other World Computing and see about an upgrade. That's macsales.com or 800-275-4576.

If your Mac fails to meet the processor requirement...well, I'm sure one of the aforementioned shiny happy people at the Apple Store will be more than happy to sell you a brand new Mac that will. And hey—it'll come with Leopard pre-installed! What convenience!

## What Leopard Doesn't Do

Make your bed. Wax your car. Do your laundry. Make you a 5-course gourmet dinner.

Oh, you wanted that other list of things it won't do. Okay.

First, if you use programs that run in Classic, you're going to have to finally put them out to pasture. Leopard does not support Classic mode anymore, even if your Mac supported Classic under

*So you're on your way to the Apple Store to pick up one of those shiny black boxes with "Leopard" printed on the side. Good for you!*

*However, if I may, allow me to press the Pause button on my Colossal Cosmic TiVo and freeze you in your tracks for a little while. This whole "major operating system upgrade" thing- this is something that does take some consideration. So, I've decided to create this little walkthrough to ensure you and your Mac are ready for Leopard. Consider this your "To-Do" check-list before you actually plunk down your cash.*



from  
– stripes →  
to spots



# Hunting Leopard continued Tricks

by Dan Kuehling

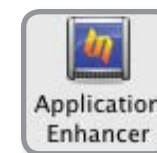
Tiger. Sorry, but that's just the way it is. Considering, though, that Apple officially "buried" Mac OS 9 (yes, there was a coffin and everything) in 2002, I don't thin it's really a huge loss. Almost every Mac application that you can imagine now has version for Mac OS X, or at least a good equivalent. Versiontracker.com is your friend, here.

Also, if you run any of Unsanity's "Haxies", things like ShapeShifter, Fruit Menu, or Xounds that allow you to modify things about the operating system that You Shouldn't, do know that they all break under Leopard. In fact, the software that underlies all of them, Application Enhancer, can actually break Leopard under certain circumstances. But that comes later in the article.

## Avoiding a Pitfall

OK, so not that much later.

Go to your Apple menu and select System Preferences. If you see an icon in the resulting window that looks like this:



...get yourself to [unsanity.com/haxies/](http://unsanity.com/haxies/) and download the Application Enhancer installer. Run the installer and click on the Uninstall button to remove Application Enhancer.

Why might you want to do this? If you have an older version of Application Enhancer installed that doesn't know how to "fail safe" under Leopard, your Mac will try to boot and hang at a light blue screen and do nothing else. It's a lovely shade of blue, but I'd imagine you wanted something more for your \$129. By the way- If you happened to click Upgrade instead of Uninstall, it's actually okay- the

version that would be installed is inert under Leopard. It won't do anything useful, but it won't do any damage either.

## Back Up

Okay, so you've determined that your Mac is Leopard ready. Now, we have to talk backups.

Aww, come on, don't whine. Backups are important.

If you've got a backup plan in place, this would be where you put it into action. Make yourself a nice backup of all of your important stuff (or, even better- your whole hard drive) so that on the very very slight chance everything goes Ka-Blooney when you upgrade, you'll have something to fall back on.

If you don't have a backup plan...well, why the heck not?!

((OK, calm down, Dan. Happy place.))

If you don't have a backup plan now, when you buy your copy of Leopard, count on buying an external hard drive at least 500GB in size. Apple has several nice models in their stores in the neighborhood of \$200. Then, go to [shirt-pocket.com](http://shirt-pocket.com) and download a copy of SuperDuper! to clone the contents of your internal drive to the external drive. The instructions that come with SuperDuper! are SuperEasy and it should only take about an hour or so. Go read a book, watch some TV, or hey— shovel some snow!

And, once you have Leopard, it's painless to set that external drive up to be used for Time Machine.

(I'd tell you to use Time Machine before you install Leopard, but that's something of a chicken-egg problem.)

## Let's Do This Thing!

OK, so you've got your machine all prepared. Now, if you've got a notebook (any Mac whose name contains "Book") plug in your power supply, so your battery doesn't run down during the install. (Which would be bad.) Insert the install DVD, and when the DVD window comes up, double click on Install Mac OS X. The installer will ask for your administrator password and then reboot, starting off the Leopard DVD.

From here, the install is really pretty easy. Select your language (English, most likely), click through some legalese, and then click Continue until you get to the screen with "Installing" and a progress bar. Your part is done for a while- now go kill some time, since this will take a while, too. When it's complete, your Mac will play a "ding" sound effect and, after a minute or so, automatically reboot.

## Post-Op

So you're in Leopard. Once you've spent a few minutes ogling all of the spiffy new visuals, go to the Apple menu (on the new translucent toolbar. Ooooooh...) and select Software Update. It will go out to the internet and get the updates that have been released since your Leopard disc was pressed. Install all of the updates, and allow the Mac to reboot. Once you've rebooted, run Software Update again, and repeat the process until Software Update reports "Your software is up to date." This ensures that you have all of the latest patches and fixes to Leopard.

And that's it! Have fun with Leopard! 🐾

# Meeting Pictures Meeting Pix

Photos by Marshia Hobson



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314 McHenry Rd.  
Buffalo Grove, IL 60089  
[www.bairdwarner.com/vicki.white](http://www.bairdwarner.com/vicki.white)



### Upcoming Workshops

**TNWoU Excel® Workshop**  
March 29, 2008 8:30–12:30 The Hotel Indigo  
[www.nwou.org](http://www.nwou.org) for additional information  
This workshop will be presented by Debby Abbott, power user of Microsoft Office since 1989/1990 and member of TNWoU for more than 10 years. Presented with lecture via Powerpoint and showing by example working in Excel, we will cover:

- Why use a spreadsheet?
- Explanation of workbook vs. sheets
- Entering data and formatting text
- Rows and columns, resizing three ways
- Auto and custom formatting
- Basic formulas and functions, subtotals
- Inserting comments and objects
- Different views and freeze pane
- Filtering, sorting, and securing your data
- Printing with header/footer; print area
- Templates

Bring your own laptop for the best experience.  
Workshop participants are encouraged to attend the May Office SIG meeting six days later to share what they've made and ask questions after having worked with a project.

**TNWoU Photoshop® Elements Workshop**  
April 19, 2008 8:30–4:30 The Hotel Indigo  
[www.nwou.org](http://www.nwou.org) for additional information  
Covering version 4 (with a possible "Sneak Peak" at Version 6)  
Come prepared to take LOTS of notes! Instructed by Adobe Certified Expert Ron Herrmann. Get better results while using Photoshop Elements with a minimum of 1 day's experience. Participants will be polled for specific questions and interests during the introductory segment. They will also be asked to submit a specific task-related question. That survey will determine the depth to which particular topics are covered. We will cover:

- Palette & Window Basics
- Bridge Basics
- Preferences Basics
- Image Size Basics
- Pixel Basics
- Painting Basics
- Selection Basics
- Layer Basics
- More Advanced Selections
- Choosing Colors
- Photo-Fixing tools
- Photo-Modifiers

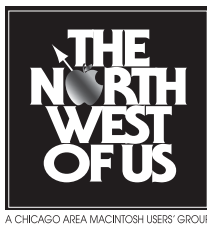
**New for 2008! Please take note of our new meeting venue.**

#### 2008 NorthWest of Us Meeting Dates — Hotel Indigo, Palatine, IL

Novice SIG meets from 8:30 am - 9:45 am, Technical SIG meets from 8:30 am - 9:45 am, Main Meeting meets from 10:00 am - 1:30 pm

Date	MAIN MEETING / NOVICE SIG	TECHNICAL SIG
Mar 08	Da Vinci B- Leonardo Room	Plato Room
Apr 12	Da Vinci B- Leonardo Room	Plato Room
May 10	Da Vinci B- Leonardo Room	Plato Room
June 14	Da Vinci B- Leonardo Room	Plato Room

**Please check our website, <[www.nwou.org](http://www.nwou.org)>, regularly for directions to Hotel Indigo, 920 East Northwest Highway, Palatine, IL 60074**



# CD-of-the-Month #03/08 March, 2008

The CD-of-the-Month includes a **SEARCHABLE PDF** of **PASSAGES!**

By Jacquelyn Adler\*

**TNWoU DiskCatalog '05-'07.pdf** - Every CD of the Month includes this **SEARCHABLE PDF catalog** of every Disk of the Month from January 2005 to the present. Looking for a particular shareware game or font? A special shareware utility? Just open the file in **Acrobat Reader (Required)** and use the "Find..." command in the "Edit" menu. **Over 25 pages** (updated every 3-4 months)

**MARCHing along together!** Let's see what we have for you this month. Just as I was putting the finishing touches on this disc, a new version of CleanApp was released. This is an uninstaller that is compatible with Leopard. We have not one, but two games this month, one for those of you (and you know who you are) who just love to shoot and kill everything! The second one is a bit more cerebral and kills only germs. We have an unusual app for those of you who might have trouble catching those few minutes of nap-time. There's also a widget for all of the major sports, an app to change the appearance of your dock, and much more. Give yourself a great present this month and **BUY THE DISC!**

\*If you have suggestions or donations of items you would like to see included on a future CD of the Month, please e-mail me at: [Jacquelyn\\_Adler@mac.com](mailto:Jacquelyn_Adler@mac.com)

## APPLICATIONS

### pizz v.2.5

© 2007 Brainwave Enterprises. All Rights Reserved.; Shareware \$29.95; Requires OS X, 10.4 or higher (Universal); Version Tracker Rating \*\*\*\*

pizz... Seldom do we see new software that is totally unique and original, but the launch of pizz software gives Mac OS X users exactly this; pizz software achieves things that have never been seen in the genre of personal development. The pizz Energizer program is designed to give you a powerful nap, relaxing you, de-stressing you and bringing you back revitalized and raring to go! The incredible thing about pizz nap technology is that it works around a complex algorithm that allows users to choose any length of nap between 10 and 60 minutes and the software creates a different nap each and every time they use it! pizz nap technology can create billions of combinations of naps!

### ScreenSteps v.2.0.2r28

© Blue Mango Learning Systems; Shareware \$39.95; Requires OS X, 10.3 or higher; Version Tracker Rating \*\*\*\*

Everyone loves visual documentation. It is so much easier to see a picture of what you need to do as opposed to reading lengthy instructions. ScreenSteps makes creating visual training almost effortless:

- Capture each step of the process you are trying to teach. The images are automatically sequenced in the order you took them. Crop images and add highlights to focus on the pertinent areas of the screen
  - Go back and add text describing each step. You shouldn't have to write too much since the pictures will show each step of the process.
  - Export your lesson to PDF or HTML. You can even create your own HTML and XML templates.
- That's it! You can literally create visual, detailed lessons in 5 to 10 minutes.

## UTILITIES

### CleanApp v.3.0b1

© 2005-2007 Synium Software; Shareware \$10; Requires OS X, 10.4 or higher (Universal); VersionTracker Rating \*\*\*\*

Why do I need an uninstaller in Mac OS X?



Programs in Mac OS X create lots of files and folders during their installation (like user preferences, temporary

files, log-files, ...). If you are going to delete a program from within the Finder, all these data items will remain on your hard drive, and waste precious space. So far, CleanApp has found associated files and folders by an identifier-key, and offered them for deletion. Indeed, corresponding files could not be found without this identifier-key. Up to now! Version 2.0 of CleanApp now offers a revolutionary new journaling-tool, that makes it possible to track and remove all associated files of programs, without any exceptions. This makes CleanApp the best solution to completely remove applications from your Mac OS X, or to archive it for later use. Just drag and drop the program you no longer need onto the CleanApp window, or the CleanApp widget in Dashboard. After a few seconds, you will see a list of files and folders, that have been created by that program. Now choose, whether to delete, or to archive the program including all its associated files and folders. That's it! Version 3.0 offers many improvements under its shiny new user interface and is now fully compatible with Leopard.

### Resizelt v.2.1

© Nobuatsu Sekine; Freeware; Requires OS X, 10.3.9 or higher (Universal); Version Tracker Rating \*\*\*\*



Resizelt allows you to change the size of multiple images simultaneously. It can also convert file formats at the same time.

### Concierge v.1.4.12

© 1995-1998, Borrowed Time, Inc.; Shareware \$10; Requires OS X, 10.3.9 or higher (Universal), Safari 1.3 or higher; Version Tracker Rating \*\*\*\*

Concierge is a bookmark assistant for Safari, Apple's web browser. Web bookmarks, e-mail links, Address Book cards and groups, and Finder file/folder links are stored and managed in a drawer attached to either side of Safari's browser

window. Concierge is not a separate application. It integrates with Safari, much like a plug-in.

## SYSTEM ENHANCERS

### DockChanger v.1.3.7.4

© 2007 Whimsically Plucky Software; Shareware \$10; Requires OS X, Leopard (Universal); Version Tracker Rating \*\*\*\*



Change the appearance of your Mac OS X 10.5 dock from 3D to 2D and back again. Plus change the

dock to any theme to customize your Mac OS X experience. DockChanger ships with over 90 different backgrounds and themes, plus mix and match the separator image and the application indicator image to your own liking. Take control of your OS X Dock, and make it look pretty. Plus you can add your own themes by dragging their respective files to the Themes folder contained in the application. Every month a new set of themes can be downloaded and installed.

## GAMES/NOVELTIES

### Germ v.1.3

© 2003-2008 Factor Software and Mike Weyandt; Shareware \$19.95; Requires OS X/OS 9.x, QuickTime 5 or higher; Version Tracker Rating \*\*\*\*



Germ is a game that combines quick thinking with even quicker reflexes as players manipulate

scads of colorful, killer pathogens in order to neutralize a biological threat and save humanity. The gameplay is quite simple, relying at its core on the "pick pieces up and place them on the gameboard" model used in several games such as MacPipes. In Germ, the player picks up germ sprites from a "culture dish" and arranges them on the gameboard in patterns of the same color to make them disappear.

### Kill Monty v.1.1

© 1994-2008 Freeverse. All Rights Reserved.; Shareware \$19.95; Requires OS X, 10.2.8 or higher (Universal); Version Tracker Rating \*\*\*\*



**KILL EVERYTHING!** In the tradition of such extinction-level events as Asteroid Impacts, Super-Novas, and Ashlee Simpson Christmas Albums, Freeverse proudly announces Kill

Monty, the game that spans your adrenal gland and makes you call it "Papi". With multiple levels of non-stop shooting and bucket after bucket of red food-coloring, (we have our family-friendly image to maintain after all), Kill Monty is the perfect quick gaming fix. After you've tried the demo and purchased the game, you'll get access to the Flamethrower which throws flames and the Railgun which guns rails... or something. Anyway, it's supercool and its only for the Mac!

## WIDGETS

### Sports Fan Widget v.1.1.1

© 2006-2008 Andreas Amann; Freeware (Donations welcome!); Requires OS X, 10.4.3 or higher (Universal); Version Tracker Rating \*\*\*\*



Keep an eye on your favorite sports teams - all the information you need in one single and small widget. Show the current scoreboard, full results from previous days, the upcoming schedule (game times are displayed in your local time), or current division and standings. The widget supports Baseball (MLB and minor leagues down to Class A), Basketball (NBA and NCAA College), Football (NFL and NCAA College), and Hockey (NHL). You can open multiple instances of the widget to track different sports or teams - each instance of the widget will remember your selections.

### WORLDview Widget v.1.7.2

© Longfingers in Motion; Freeware; Requires OS X10.4 or higher (Universal); Version Tracker Rating \*\*\*\*

WORLDview Widget shows you maps of all countries in the world. It gives you also the continent, capital, coordinates and the national flag. You can get a country by random. Switch between a clean and a detailed map view.



# CD-of-the-Month #04/08 April, 2008

The CD-of-the-Month includes a **SEARCHABLE PDF** of **PASSAGES!**

By Jacquelyn Adler\*

**TNWoU DiskCatalog '05-'07.pdf** - Every CD of the Month includes this **SEARCHABLE PDF catalog** of every Disk of the Month from January 2005 to the present. Looking for a particular shareware game or font? A special shareware utility? Just open the file in **Acrobat Reader (Required)** and use the "Find..." command in the "Edit" menu. **Over 25 pages** (updated every 3-4 months)

**April Showers bring MAC flowers, and this month we bring you a four-star lineup of freeware, shareware and donationware. All of the software on this CD has received a four-star rating from discerning Mac-users like you! So...try out a new browser, manage your money, organize your files, create beautiful fractal images, play a new game, and know that other Mac lovers have done the groundwork for you. These apps rule!**

\*If you have suggestions or donations of items you would like to see included on a future CD of the Month, please email me at: [Jacquelyn\\_Adler@mac.com](mailto:Jacquelyn_Adler@mac.com)

## APPLICATIONS

### Album Cover Finder v.6.4

© 2005-2008 Amphonic Designs; Lite: Free/Full version \$11; Requires OS X, 10.2 or higher (Universal); VersionTracker Rating \*\*\*\*



Album artwork, reviews, track listings, artist info and more for your music collection. Add artwork to your entire iTunes music library in one step! Sync with iTunes to automatically find artwork and more for the currently playing song as the Artist's Catalog page finds up to 36 other album covers from the same artist. Remote view adds a floating window to the desktop that displays artwork, information for the song currently playing, and simple remote controls for iTunes. Regional Searching for USA, UK, Japan, Germany, France, and Canada helps find more Album Covers. And much more...

### Fractal Domains v.2.0.5

© 1998-2008 Fractal Domains All Rights Reserved.; Shareware \$20; Requires OS X, 10.2 or higher (Universal); VersionTracker Rating \*\*\*\*



Fractal Domains is a shareware program that generates fractal images. Fractal Domains generates color images of the most popular fractal, the Mandelbrot set, and many other varieties based on expressions entered by the user, and also generates images of the associated Julia sets. Fractal

Domains has several options for producing striking variations of fractal images, and includes advanced features for producing high-quality images.

### Flock v.1.0.8

© Flock, Inc.; Freeware; Requires OS X, 10.3 or higher (Universal); VersionTracker Rating \*\*\*\*

Flock is actually built on the Firefox core, but aside from a familiar menu structure the similarities end there. Exhibiting their mantra of building a better tool for the web, Flock has social bookmarking, blogging and even Flickr tools built right in. The first time you star (bookmark) a site, Flock asks if you'd like to enter your del.icio.us account information, in which case it will integrate with your del.icio.us bookmarks for any sites you star and tag from here on out.

Important: If you have an earlier version of Flock, your must throw away your Flock profile folder.

### SimpleImage v.5.0.2

© SimpleImage.com; Shareware \$24.95; Requires OS X10.4 or higher (Universal); VersionTracker Rating \*\*\*\*

SimpleImage is a simple but powerful application for Mac that lets you view both images and movies with an intuitive and highly customizable interface, run slideshows with soundtracks and transition effects, browse thumbnails of your media files, take snapshots of working sets of windows for easy reopening, export files in a variety of formats, create Internet photo albums, and more: • Movies can be displayed in slideshows • File ratings now be viewed and set in the Finder from the SimpleImage Menu • Browser items can be relinked after their original files have been moved to another volume • You can choose to open animated GIFs as movies or multipage images • The controls panel displays the slideshow soundtrack's artist and title • The Quick Peek panel displays file icons for items while waiting for thumbnail images to become available

### TrailRunner v.1.6v209

© 2005-2007 Berbie Software; Donationware; Requires OS X, 10.4 or higher (Universal); VersionTracker Rating \*\*\*\*



If you ever asked yourself how long your workout routes are and what route you should choose for this evening - then TrailRunner should be your training-partner.

- Geographic display of your workout area
- Plan routes interactively
- Collect routes
- Route description and direction signs at crossings
- Timed-checkpoints according to your pace
- Rate your favorite tracks
- Plan routes automatically with target distance and as many favorite tracks as possible
- Export route

descriptions onto your iPod as Notes-Text or NanoMap-Photos • Collect your workout data in a Diary • Send to and exchange routes with friends and workout partners • Import GPX-Tracklists from GPS-units.

### MoneyWell v.1.2.9

© 2007, No Thirst Software LLC; Shareware \$39.99; Requires OS X, 10.4 or higher (Universal); VersionTracker Rating \*\*\*\*



Most financial packages focus on historic information. By the time users see what has been spent, it's too late to fix the problem. MoneyWell shows what's happening right now with innovative Spending Buckets and a Money Flow Graph all presenting real-time feedback. The user knows immediately when spending is getting out of hand by just glancing at the single-window interface.

## SYSTEM ENHANCERS

### Cover Stream v.1.3

© 200207 SNARB.TK All rights reserved.; Shareware \$14.95; Requires Leopard (Universal); VersionTracker Rating \*\*\*\*



Put Cover Flow on your Desktop! Cover Stream presents you with iTunes Cover Flow view in a floating, stylish window right on your Desktop, for quick and easy access from any application. As a bonus, Cover Stream adds Flip-Browsing, the killer feature iTunes forgot to implement. Pick an album, flip it over, pick a track and you're off!

## UTILITIES

### TheTimer v.2.0b2

© 2005-2008 Blogsystem; Freeware; Requires OS X, 10.1 or higher (Universal); VersionTracker Rating \*\*\*\*



Did you miss your favorite TV series just because you wanted to do something "quick" at your computer? With TheTimer, you can remind yourself to get back to having a life! This little alarm clock beeps and displays a message after "x" number of minutes and also can open other applications or

files or set your Mac to sleep, shut down, restart or disconnect from the internet after a given number of minutes.

### Together v.2.0.6

© 2004-2008 Reinvented Software; Shareware \$39, Upgrade \$14.95; Requires Leopard (Universal); VersionTracker Rating \*\*\*\*

Together (formerly KIT - Keep It Together) is an application for storing, organizing, editing, finding, and quickly previewing all kinds of files on your Mac. Just about anything can be dragged to Together's main window or Shelf. The Shelf is a system-wide window where anything can be dragged and stored in Together's library; it can also be used to browse and search the library and make quick notes.

Together can create notes, bookmarks and web archives, can edit or preview a number of different file formats, including text documents, PDF files, bookmarks and web archives, and can show previews for even more using Quick Look technology built into Leopard. Items can be edited directly in the main window, in their own tabs or opened in their original applications.

Items can also be organized into groups and folders. Folders work just like in the Finder, while groups can collect files from different places, much like iTunes playlists. Items can be color-coded with labels and tagged. Smart Groups that will do the work of staying organized for you. Together uses Spotlight to search the contents of all kinds of files as you type. Together can also encrypt documents, import files in the background (to ensure the library is always available) and it supports multiple libraries.

## GAMES/NOVELTIES

### Detox v.3.1u

© 1998-2005 The Daily Grind Network; Freeware; Requires OS X, 10.3 or higher (Universal); VersionTracker Rating \*\*\*\*

Detox is simply the most cynical drug policy simulation available for OS X. Examining this contentious issue through the lens of evolved 4-sided shufflepong, this vibrant yet jaded arcade game will blow your tiny mind and leave you stoked and craving more. Control the medical, mental health, law-enforcement and social services. Score interdepartmental brownie points by bouncing addicts/users/patients/units/customers/brothers/traitors (whatever your ideology) between



services until the system collapses and you get to present the taxpayer with the bill!

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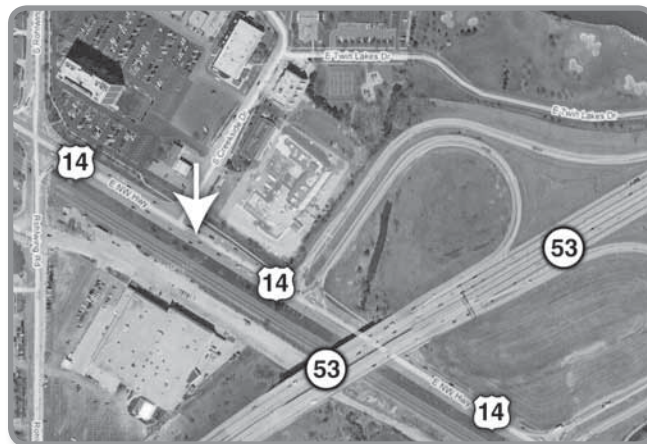
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From the West, take I-88 east to I-290 west (Rockford) to Rt.-53 north.  
From Rt.-53, take the Northwest Highway (Rt. 14) exit, keep right at fork to go on E. Northwest Hwy.



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