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LIMac was established in 1984, when the Mac was introduced.

Annual dues
for membership are $36.
(The first meeting is free.)
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June Meeting *Scott Randell*

June always brings our annual visit from Dave Marra. For those of you who are new to LIMac, Dave is a Senior Systems Engineer for Apple. He always does an incredible presentation, and this year was no exception. Dave started by showing a video called "Classroom Rock" (you can view it here: *http://www.youtube.com/ProjectRnL*. It showed several musicians, and a vocalist making a recording using the iPad, and the *GarageBand* iPad app. This year's presentation was in two parts. Part 1 was music on the iPad, and Part 2 was photography on the iPad.

First up was the music portion. The video showed some amazing things that musicians, and even non-musicians can do with some of the music apps available for the iPad. There are about 30,000 music apps and, this is the third fastest growing category. He showed apps that simulate: piano, organ, guitar, and drums. He also talked about an iPhone/iPad app called *iBone*, that can emulate a trombone sound by either blowing into the microphone, or sliding your fingers. The other apps he showed were as follows:

Piano	*Pro Piano*	$1.99
Organ	*Pocket Organ C3B3*	$2.99
Drums	*Pocket Drums*	$0.99
Guitar	*Air Guitar™ HD*	Free

These all sound amazing considering they are simulated sound. He also showed apps that help in practicing and playing real instruments. There are many metronome apps for the iPhone, iPod Touch and iPad. Dave mentioned one in particular called *Metronome HD*, which is a mere $0.99. There are also apps to put your sheet music on the iPad. He talked about *Tonara*, which is a free app that will automatically turn to the next page when you get to

July Meeting *Rick Matteson*

JULY
13
MEETING

Were you ever curious about what it takes to design an app for iOS? Wonder no more, because this month Justin Esgar, CEO/President of Autriv Software Development will enlighten us. (A footnote: Justin was a LIMac member in 1996, when he was a teenager!) Without going into the actual coding, Justin will discuss the development from idea through layout and design of the user interface to the initial testing and submission to Apple for approval and placement in the App Store.

Autriv is a software development company that writes apps for iOS and Mac OS X devices. Launched in June 2010 by Justin Esgar, Autriv launched it's first app: *SignMyPad*. *SignMyPad* is a PDF annotation/signature tool for the iPad. In April 2011, Autriv released *SignMyPad Pro* - an upgraded version of *SignMyPad* that allows for geotagging of signed PDFs. Autriv's other apps are: *BlackBook* and *HomeBase*.

Autriv
SOFTWARE DEVELOPMENT

As is our custom, the meeting will begin with the two Q&A sessions followed by announcements. Then the main presentation by Autriv will be the focus of the general meeting. Following that, the meeting will close with our raffle. (There will be no SIG meetings this month or in August.) Your curiosity will surely be satisfied by this meeting, so come on down and learn something new. See you there!

the appropriate spot. It actually listens to you play, and will know when you arrive at the final measure displayed on the screen, it then turns to the next page. Although the app is free you must purchase the sheet music (except for a few samples they include) for it from within the app. They are partnered with Hal Leonard Music, which is the publisher you must buy the sheet music from to use the app.

Next, Dave showed what you can do just using the *GarageBand* app which is $4.99. It includes many virtual instruments, which you can play via the touch screen. You can use Multi-Touch gestures to play pianos, organs, guitars, drums, and basses. The drum kit was really interesting. You can play, and create beats using each part of the drum kit; like the bass drum, snare drum, and cymbals. What is really cool, is that the harder you tap, the louder the sound will be. You can also use "Smart Instruments" to help you play some of the parts. They will play rhythms, guitar picking, and piano (keyboard) backgrounds that are built in. You can do these with any chord you choose. You can also do many other things which are too numerous to list in this article. After you are done creating your parts, you can make, save, and export your recording. If you want to record real instruments you can do so using the various interfaces that are available such as; the iRig, from IK multimedia *http://www.ikmultimedia.com/products/irig/* , or the Jam, from Apogee Electronics *http://www.apogeedigital.com/*

Dave then went on to discuss and demo the photography apps. First he demonstrated various apps that allow you to add effects to your photos. Among these were :

SnapSeed - $4.99   **Filterstorm** - $3.99   **FX Photo Studio** - $1.99

iDarkroom HD - $1.99   **Photo Toaster** - $1.99

Dave showed a few of the things these apps can do. A few of the things you can do with each, are listed below.

SnapSeed: Adjust white balance, saturation, contrast, etc. Straighten & rotate image, crop images, create effects such as: black & white, vintage film, and organic frames.

Filterstorm: Edit masks, brightness/contrast, shadows/highlights, color balance etc.

FX Photo Studio HD: Sketch, art, 3-D, vintage, color strokes, and more.

iDarkroom HD: 20 color filters, 10 film paper effects, 8 noise effects, adjust saturation, contrast, brightness, gamma, color temperature of image, and a lot more.

Photo Toaster: 80 one-click settings in lighting, 24 live slider controls that allow for exacting control of all image adjustments, Non-destructive editing, crop, rotate, flip and straighten.

All of these apps have many more features than the ones listed. For a complete description of any one of these, go to the iTunes Store, click on apps and type the name of the app into the search bar. You could also type the name into your favorite search engine, and you will see many entries for these. For the best description, click on the one that takes you to the developers site, or to Apple's description page. These apps are all real bargains. For these prices, any photography buff can have them all.

As always, it was a real treat to have Dave Marra do one of his great presentations for us. This article can not do justice to seeing him do this in person. From all of LIMac, Thanks Dave. Next time Dave visits LIMac be sure to make it to the meeting, you will definitely be glad you did.

Correction:
In the May issue the April meeting article was written by Scott Randell not by David Ross.
Sorry! Editor

Bradley's Tech Session

Bradley Dichter
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▶ **I rescued the SATA hard drives from my dead Power Mac G5 and put them in a dual drive case and connected that to my Mac Pro. They show up fine on the Desktop, but I want to put *Lion* on the former boot partition with my Lion DVD and it won't let me. Why and how can I get around this problem?**

■ The problem is *Lion* and any *Mac OS X* version compatible with your Mac Pro wants the drive it's intalled onto to have the GUID Partition Table. Apple doesn't officially support even booting your Intel Mac from the Apple Partition Table formatted drive. It certainly won't allow you to install *Lion* onto that drive because of it. Your old Power Mac G5 used the Apple Partition Table as that was required to boot up that PPC class machine. While obviously Apple Partition Table drives are compatible with Intel based Macs, that extends to mounting and using, but not booting. In order to convert the partition type, you need to use Apple's *Disk Utility*. This procedure will wipe out all the data on all the partitions on the drive, so it must be backed up. If there were multiple boot partitions, the backup drive would also have to have the same number so you can use the free *Carbon Copy Cloner* to preserve each. You can use a *Finder* drag to copy any non-boot partition's contents. When finished you can start up *Disk Utility* while connected to a Intel based Mac (in order

to get the proper options) to select the drive, not a indented partition (volume) and select the Partition tab and switch from the Current Volume Scheme to one or more partitions. That will enable the Options... button where, in this new dialog box, you can switch to GUID Partition Table (which is the default for this type of Mac) and then click the OK button. Confirm that the volume format for the new partition(s) is(are) Mac OS Extended (Journaled). You can then click the Apply button to repartition the drive. It should only take a few seconds. You can quit *Disk Utility*. You should be able to then use *Carbon Copy Cloner* to restore the data to the drive. Then finally you can then install *Lion* on the drive. I would boot the Mac Pro with the c key held down to boot off the *Lion* disc to proceed with the *Lion* install. I should note to the readers that *Lion* doesn't normally come on a DVD. It's usually a purchased download from *Snow Leopard's* Mac *App Store*. Apple does sell it on a USB flash drive. They could sell it on DVD, but the MacBook Air and Mac mini don't have optical drives and if rumors are to be believed, fewer Apple products will have them in the very near future.

On further examination of this scenario, I found *iPartition* v3.4.1 from Coriolis Systems, that at first I thought it just might do what you need. It's main feature is it can resize partition sizes at will without having to delete a partition and it's data like Apple's *Disk Utility* forces you to do. It can also keep your data intact while it converts a disk from Windows Master Book Record style partition table to a

President's Message

Bill Medlow
President
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Last month I talked about using AirPlay with your iPad and Apple TV. That brought us to a new level were we used the iPad with your large screen HDTV. Now we hear that the upcoming operating system, OS X 10.8 Mountain Lion will allow you to do the same thing using your Macintosh computer, wirelessly at up to 1080P full HD! Aside from this, there are over 200 new features including dictation, where all you have to do is to tap the function key (assuming you have one on your keyboard) twice to start and twice to stop. This is awesome and at the same time it brings the Mac operating system closer to the iOS operating system. But, notice that the Mac operating system no longer has the name Mac in the title. (Lion also has no "Mac" in the name.) We will have a great upcoming presentation on Mountain Lion where we can see these things happen. Stay tuned.

See you soon.
Bill

DAN DANGLO

"You can read my book report on my blog."
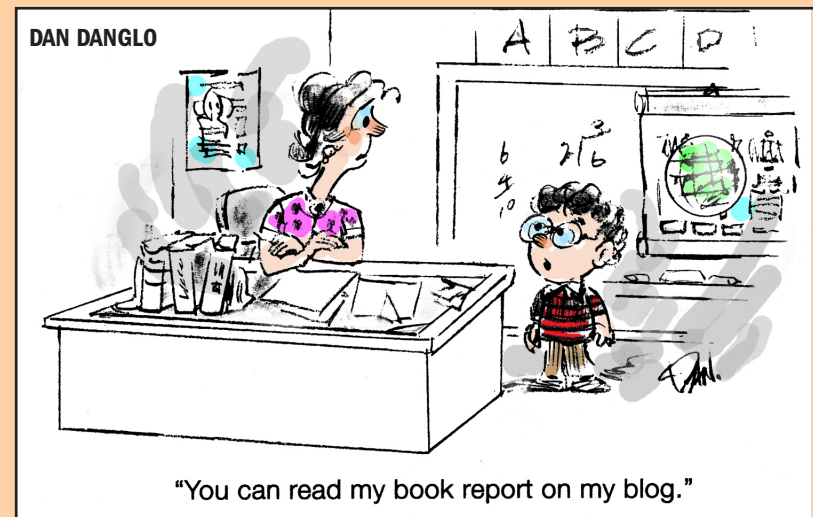
GUID Partition table so your Intel based Mac can boot from it. The volume formats won't be changed, but in this case, we wouldn't want them to. If it can do that, I would guess it can convert from Apple Partition Table to GUID Partition Table. You can download a demo version that lacks the go button to actually perform the task, but if you get that far, you can save a lot of time by spending the $46.95 purchase price. Anyway, I installed it and tried it myself. While it can change partition scheme from APT to GUID, it would delete the partition with a system on it. That would not apply in my case but it would in yours. So it won't help and you have to do it the hard way. But good to know that *iPartition* could be a big time saver for just the right circumstances.

▶ **I went to Apple's web site to find out more about *OS X 10.8*. I'm running *Mac OS X 10.6.8*. The specs page, *http://www.apple.com/osx/specs/* shows supported models by date, and I don't recall exactly when I bought my Mac. Can you point me in the right direction?**

■ You can look up your model identifier by going to a website like *http://www.everymac.com/systems/by_capability/mac-specs-by-machine-model-machine-id.html* and using the info in your generation Mac OS About This Mac window, you should be able to look up the page which shows your model by date like early, mid or late whatever year. You could also go to your About This Mac window, click the More Info... button and then copy the serial number shown in the *System Profiler* and paste that into *http://appleserialnumber-info.com/Desktop/index.php* to get your

Mac's details including build date. *OS X 10.7 Lion's* About This Mac Overview page makes things easy in this matter as it shows your vintage model right there on the right side. Clearly, some older Intel based Mac's that could run *Lion* cannot run *Mountain Lion*. That would dead end these models at *Lion*:

2006 iMacs (Early and Late white models)
Mid 2007 Mac mini
2006 and 2007 Mac Pro
2008 (original) MacBook Air
Early 2008 and earlier MacBook
2006 (15-inch and 17-inch) MacBook Pro
2006 and 2008 Xserve

The reason is that *Mountain Lion* doesn't support the integrated Intel GMA 950 and X3100 graphics chipsets these models have. That also kills anything with the ATI Radeon X1600 like those 2006 iMacs and 2006 MacBook Pros. Mountain Lion requires the Mac to boot into OS X 64-bit kernel, so that is why the early Mac Pro's are out, because of the EFI 32 bit hardware, as they could accept decent video cards in the PCI express slot. In fact, a Early 2008 Mac Pro user with the standard ATI Radeon HD 2600 XT video card should consider a upgrade as Mountain Lion will task the video card harder than before. Apple sells the ATI Radeon HD 5770 Graphics Upgrade kit. Supposedly only for the Mid 2010 Mac Pro, in fact it works with older models. With the right adapters, it can drive three displays. See *http://support.apple.com/kb/HT4279?viewlocale=en_US*. Why all this new emphasis on the graphics chip? Take a look at the track the iPad 3rd generation is going, with emphasis on the quad-core graphics subsystem in the A5X system on

a chip to drive the Retina display. iOS and *Mountain Lion's* use of graphics requires more power than *Snow Leopard* ever did. OpenCL is a system framework, introduced in *Mac OS X 10.6*, which leverages the processing power of the graphics chip. By the way, that Radeon HD 5770 has 800 stream processing cores, which is a lot better than 4 in the new iPad. I had been looking into video card upgrades to keep up with this increasing OpenCL and OpenGL utilization in the OS X and *Photoshop*. My 2009 Mac Pro has the optional ATI Radeon 4870 which is about as fast, but the newer 5870 HD is much faster but more money, like $420. Would be nice, but putting that money towards a SSD boot drive would be better. It used
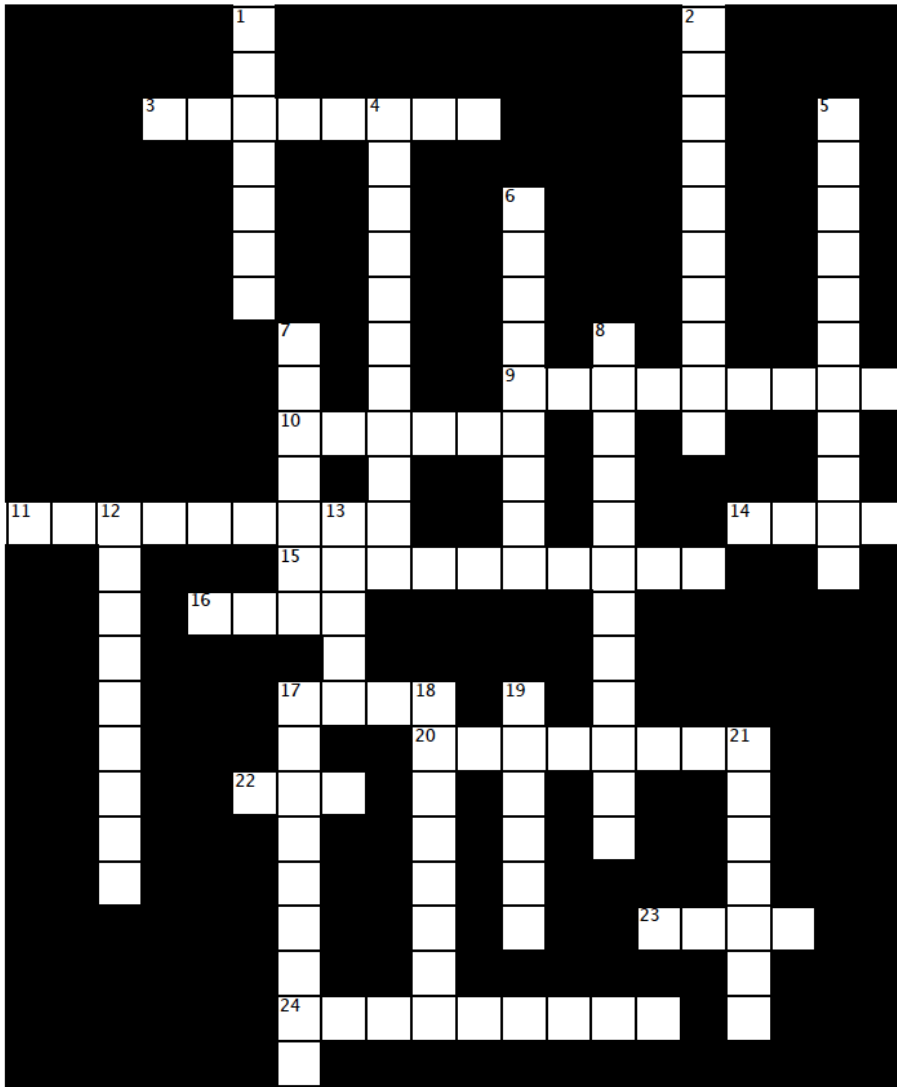
to be only 3D gamers cared about the graphics processor, but now everyday users should pay the GPU upgrade options some time and money when custom ordering a new Mac. Even virtualization solutions like *Parallels Desktop* wants 256 MB VRAM allocated, so having more in the Mac to support the Mac's display itself can make a big difference. For this reason, the Mac mini with 288 MB of shared SDRAM or 256 MB of GDDR5 RAM makes a poor virtual machine host. The iMacs come with 512 MB or more of GDDR5 video RAM.

Look for my demo of *Mountain Lion* in September. Luckily the user group's Mid 2010 17˝MacBook Pro has a SSD so the performance should be OK. ▸

Across

3. Surname for LIMac founder and first Chairman Donald. Now Treasurer & Membership chairperson.

9. Published in 1984 by this company, DB Master was the first database for the Mac that allowed a database to span more than one microfloppy diskette.

10. What Apple calls it's better built-in camera in the iPad and iPhone 4 and iPhone 4S, but not the iMac nor MacBook Pro. This used to be the name for Apple's FireWire connected camera.

11. Apple's digital camera, circa 1994 - 1997. The first two generations were made by Kodak for Apple with a RS-232C serial cable connection. Cost $750 and it weighed 1 pound.

14. Month in 2002 when the Apple Store in Roosevelt Field opened, the first on Long Island. Reopened at it's present location on the ground floor Dec 10, 2009.

15. Part of the iLife bundle of Apple applications. Originally for Mac OS X and now for iOS as well. Used for creating or recording music.

16. Panthera leo is the latin name for this big cat, the mascot for OS X 10.7.x

17. Acronym for Apple's modern internal hard drives connect using this standard bus interface.

20. Appearance Manager theme for Mac OS 8 and 9 and also the color of Apple's plastic cases from the 1989 Macintosh SE to the 1997 Power Mac G3

22. Previously known as America Online. Has it's headquarters in NYC. A subscription to their service was rated the "Worst Tech Product of All Time" by PC World in 2006 who stated that it had the "stigma of being the online service for people who don't know any better"

23. Verizon's bundle of internet access, telephone service and television featuring fiber optic cable to the premises.

24. Apple's ground breaking hypermedia database / programming system introduced in 1987, three years before Tim Berners-Lee published his proposal for the WorldWideWeb. By the way, he used a NeXT computer as the host for the first web server.

Down

1. Used in iOS, optional under Leopard and Snow Leopard and Lion, under Mountain Lion it is required. This security feature required of all new Mac App Store programs, prevents the application from doing anything it doesn't actually need to do. This is in order to prevent malware take overs from having any effect beyond the app.

2. Under OS X 10.8, this prevents you from installing malware.

4. 1991 to 1993, Apple's original Canon based monochrome inkjet printer

5. Apple's new input/output technology with two 10-Gbps channels disguised as the Mini DisplayPort connection, which it supercedes.

6. Apple's live performance application. Centralizes virtual intruments. Was part of the Logic Studio. Now available only on the Mac App Store for just $29.99

7. Name of sans-serif font used in menu bar of Mac OS from 1984 to 1997, named after the "Windy City"

8. Puma concolor is the latin name for this largest of the small cats. Can be found in the western United States. There are several subspecies like North American Cougar or Southern South American puma or Florida panther. Apple is using this two-word name for Mac OS X 10.8. Curious that Mac OS X 10.2 was called Puma and 10.3 Panther.

12. Conjunction of the two word codename for the 22 nm die shrunk version of the Sandy Bridge microarchitecture

13. Codename for the first generation bronze keyboard PowerBook G4 from November 1997. The name is also a colorful wrap style dress woman in East African countries have worn for centuries.

17. First seen on Mac OS X 10.4, the mdworker daemon is the Metadata Server, the back-end for this advanced search function. Look for a magnifying glass at the extreme right of the menu bar.

18. Basically the professional version of iPhoto from Apple. $79.99

19. Codename for Mac OS X 10.2. This big cat is Panthera onca. Not to be confused with the Tata Motors division based in the UK.

21. Intercapped family name for Apple's portable computers. They no longer actually sell a computer by this name alone.

Answers on p. 8

User Group Offers

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Performance Designed Products is the same company who has designed and manufactured peripherals for all your favorite major gaming platforms which now offers you accessories for your mobile devices. By combining protection with practicality, PDP Mobile provides popular designs from some of the biggest brands in the world including Disney, Marvel, Blizzard, and NERF. These products are distributed widely including Apple stores, Game-Stop, Wal*Mart, Toys 'R' Us, and Verizon outlets in the USA, Mexico, Canada, Europe, Asia, and Australia. For a limited time, Apple user group members get a 20% discount off all PDP products, plus free shipping. ███████████████ ████ Great mobile accessories. *http:// www.pdp.com/*m-10-mobile.aspx This offer is valid through July 31, 2012.

You can take your presentation to the next level and save time with *Slidevana*. This is a *Keynote* or *PowerPoint* theme and template designed for Mac, iPad, and iPhone which contains over 130 slides based on the same techniques used by professional presenters and top management experts. Visit *www.slidevana.com* for more information. Regularly $139, this Apple user group offer is $59 and includes both the "dark" and "light" backgrounds. Plus, you'll receive free updates and a money-back guarantee, if not 100% satisfied. ██████████████████████ ███████████████████████ This offer is valid through July 31, 2012.

The Rugged Portable hard drive from io-Safe is the choice of Mac users who value their data. Built to military specifications and designed to withstand the most extreme environments on the planet, it will keep your data safe. The Rugged Portable is crush-protected to 5000 pounds, drop-protected to 20 feet, immersion-protected to 30 feet for 3 days, and protected from sand, hydraulic and diesel fluids, blowing dust and more. It is available in FireWire 800 or USB 3.0 with a no-hassle warranty and 1-year Data Recovery Service. Apple user group members receive 30% off any Rugged Portable hard drive. ████ █████████████████ Get your protection: *http://www.iosafe.com/products-rugged-portable-buy* This offer is valid through July 31, 2012.

LIQUID-ARMOR a remarkable Nano coating technology that shines and protects your portable device screen like nothing else. One simple application of LIQUID-ARMOR with unique anti-static and weather-resistant formula will repel dust and stains up to 6 months. This product creates a scratch-resistant surface for normal wear and tear, and preserves touch screen sensitivity sharpness and vividness of screen display. It will protect any glasses of smartphone, tablet, LCD/LED (camera, laptop, TV) screen without size boundary. It comes complete with microfiber polishing cloth and pouch. The Apple user group discount price for the Invisible Screen Protector for Tablet + E-Reader or Smartphone is $19.95, or for the Convenience Kit is $12.95. ████ ███████████ Buy your tablet, smartphone, or convenience kit: *http://www.welovemacs.com/la100tb.html* *http://www.welovemacs.com/la100sp.html* *http://www.welovemacs.com/la1004sc.html* This offer is valid through August 31, 2012.

SEIntelligence is an all-in-one search engine optimization solution. Users load their websites into *SEIntelligence*, and the software performs a aggressive analysis of the website's top ten ranking competitors. It will then provide feedback, suggestions and recommendations to help their websites to better compete. Users can even make the recommended changes right from within *SEIntelligence* which also Includes a built-in back-link checker that allows users to analyze the quality of the links pointing to any website. More information available at *http://www.ragesw. com/products/seintelligence.html* Compared to a regular price of $199.95, the Apple user group discount price is half off at $99.95. A demo version is available at *http://www.ragesw.com/products/ seintelligence/download/* Optimize your website today: ████████████████ █████████████████████ This offer is valid through August 31, 2012.

The WaveCradle is designed to improve the sound output from certain Apple devices, including the iPhones 3 and 4, and iPod touches 3 and 4. Without using batteries or electricity, the WaveCradle's smooth curvature takes the sound from these devices' bottom speakers and transitions it 90 degrees from the original direction. The result is up to an 8 decibel sharper sound level for the listener. For the Classic, the list price is $28.50, reduced to $21.37 with the Apple user group member discount; the Low Profile list price is $19.85 discounted to $14.89 with this special. ████████████████ Amplify your sound at: *www.avidlabs.com* This offer is valid through August 31, 2012.

RUNNUR's patented design is bringing the concept of the "fanny pack" into the 21st Century. Think messenger bag, but without the bag . . . it's great for people on the go, or anyone who enjoys active lifestyles like hiking, travel, cycling, sporting events, fitness, dog walking, music festivals, beach goers, and the urban dweller alike (an iPad holder is in the development, and will simply attach to the current RUNNUR). The Apple user group discount is 20% off the regular price of $39, plus shipping. For a more complete description, go to runnur-body-strap. ███████████████████████ Get your mini backpack at: *http:// www.gorunnur.com* This offer is valid through September 1, 2012.

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to create engaging images and videos. You can snag any image and enhance it with effects or create a quick video of your computer screen. *Camtasia* gives you all the tools you need to create engaging, high-quality videos with ease. Capture your onscreen activity, add professional polish, and communicate your message visually, then share your creations instantly with anyone. Apple user group members get all the benefits of *Snagit* for Mac, regularly $49.95, and *Camtasia* for Mac, regularly $99.00, for 30% off during this special offer. ████████████████ ██████████ Capture your visions: *http://www.techsmith.com* This offer is valid through September 30, 2012.

SlideShark from BrainShark, Inc. is a free app that converts *PowerPoint* presentations to view on your iPad. It is easy to use and designed with professionals, educators, and students in mind. It preserves animations, fonts, graphics and colors, and allows you to tap or swipe to advance animations and slides. With *SlideShark* you can view and present your slideshow on the iPad the way it was meant to be seen (and show on your TV with the iPad 2). See a demo at *https://www.slideshark.com/* Members of Apple user groups are invited to download the app for free. Additionally, you'll also get 25% additional storage for free with this offer. ████ ████████████████████████ ████████

Too many passwords to remember? *1Password 3 for Mac* is a password manager that goes beyond simple password storage by integrating directly with your web browser to automatically log you into websites, enter credit card information, fill registration forms, and easily generate strong passwords. As an Apple user group member, you are entitled to get the single user *1Password* on the Mac for $29.99, well below the normal retail price of $39.99 ($52.49 for the 5-user family version, which is usually $69.99). You also get a 25% discount on everything in the Agile store. *1Password* is separately available for the iPhone or iPad ($9.99) and iPad/iPhone combo ($14.99) from the Apple iTunes Store. Get yours today: ████████████ ████████

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PowerMax.com, the engine behind The Apple MUG Store, is pleased to announce a new process for Apple user group members. Instead of going to the Apple MUG Store website to view a limited selection of items, members can now go directly to the PowerMax website to peruse and purchase almost 50,000 products. By identifying the user group you belong to (either on an online order or over the phone), PowerMax will continue to accumulate points for LIMac to use. In addition to great deals, free UPS shipping is offered on any order over $50. Be sure to take advantage of this win/win deal: *http://PowerMax.com*

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Apple user group members receive a 35% discount when they shop at peachpit.com. Just enter the user group discount coupon code at checkout. Ground shipping is free! (This discount cannot be used in conjunction with any other coupon codes such as the Peachpit Club.) *http://www.peachpit.com* ████████████████

No matter what Apple devices you're using, there's a *Take Control* ebook that will help you polish your skills, work more efficiently, and increase your productivity. Check out our highly practical, tightly focused ebooks covering Mac OS X, Macintosh applications, the iPad and iPhone, 802.11n networking, and more! Written by the most-trusted names in the Mac world and published by Adam and Tonya Engst of *TidBITS*, *Take Control* ebooks provide the technical help you need now. *Take Control* ebooks are available for immediate download in PDF format (for Macs and iPads), and with EPUB (for iPhone and iPod touch) and Mobipocket (for Kindle) versions available after purchase. An exclusive 30% off their already low prices is offered to Apple user group members on all Take Control ebooks. ████████████ ████████████████ ████ █ ██ █ ████████████ TidBITS: *http://www.tidbits.com*
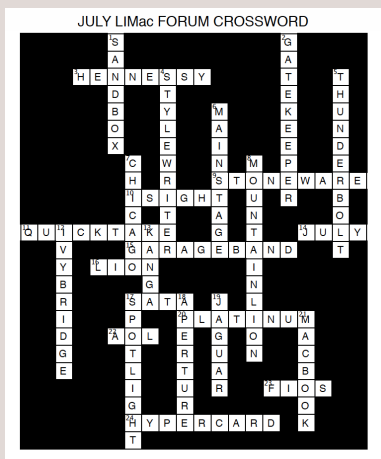
Do you own or work in a Mac-based small business that has grown out of it's computerized checkbook? Have you grown tired of creating invoices using *InDesign* or *Word*? If you think you are ready

to move beyond your shoebox, MYOB has the right tool for you at a great MUG discount. MYOB, Inc., the leader in Mac small business management, has just released *MYOB FirstEdge*, a new Mac only product that will help you run your business quickly and easily. MUG members get $25 off the regular price of $99 on *FirstEdge* or $100 off *AccountEdge*. http://www.myob.com/us/
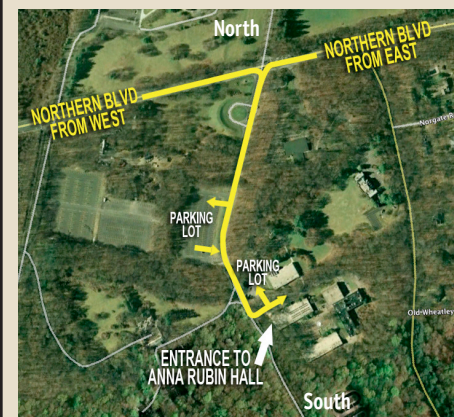
You don't have to put up with unwanted junk email. *Spamfire* from Matterform Media removes unwanted commercial and pornographic email from your in-box. It works with any POP3 email account and any email program (support for IMAP, Hotmail and AOL is still in development). *Spamfire* uses intelligent, fuzzy-logic filtering to identify spam and protect messages you want to keep. Automatic internet updates ensure you always have the most advanced spam protection available. *Spamfire* works in *OS 9* and *OS X* and is a Mac-only product. Mac

User Group members can purchase *Spamfire* for just $23, more than 20% off the regular price. Box & CD version's regular price is $39, user group price is $31. Downloaded version's regular price is $29, user group price $23. ███████████████████████

Macworld offers MUG members a special subscription offer. *Macworld* magazine is the ultimate Mac resource! Each issue is packed with industry news, future trends, practical how-tos, in-depth features, tips and tricks, and more; *Macworld* provides the tools Mac professionals and enthusiasts need. Best of all, you can depend on their unbiased, thorough product reviews and buying advice. Stay informed about what's new, exciting, important. Become a *Macworld* reader. Normal Price: $27.97 UG Price: $15.00 for 12 issues ████████████████████

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3. HENNESSY
9. STONEWARE
10. ISIGHT
11. QUICKTAKE
14. JULY
15. GARAGEBAND
16. LION
17. SATA
20. PLATINUM
22. AOL
23. FIOS
24. HYPERCARD

Down
1. SANDBOX
2. GATEKEEPER
4. STYLEWRITER
5. THUNDERBOLT
6. MAINSTAGE
7. CHICAGO
8. MOUNTAINLION
12. IVYBRIDGE
13. KANGA
17. [SPOTLIGHT
18. APERTURE
19. JAGUAR
21. MACBOOK

General meeting time schedule:
Meetings are held at
The **New York Institute of Technology**,
Building 300 (Anna Rubin Hall),
Old Westbury, Long Island.
For more detailed information about this location go to
limac.org

Meetings start promptly at **7:00 P.M.**
Bradley's Q&A: 7:00 – 7:30 P.M.
MacBasics Q&A: 7:00 – 7:30 P.M.
Featured Presentation: 7:30 – 8:20 P.M.
followed by announcements and raffle drawings.

After general meeting
iOS SIG: None this month.

Mac Basics SIG: Just Q&A session this month.

▶ In bad weather, call (516) 686-7789.

▶ The next LIMac board meeting will be at the Plainedge Library, (516) 735-4133, on Wednsesday, July 18th, at 7:30 P.M. For more detailed information about this location go to **limac.org**

Renewal

Membership renewal for 2012 takes place from October onwards. A bonus discount was passed by the Board of Directors a few years ago: Bring in a new dues-paying member and get a **$12** discount off your membership renewal. Bring in three new members and your renewal is free!

Bringing in a new member also includes getting a past member back into the group.

Make your **$36** check out to LIMac and bring it to the next meeting, or mail to LIMac, Post Office Box 2048, Seaford NY 11783-0180

How to better visually enjoy the *Forum*: Your Editor prefers you to use *Adobe Reader 9* as long as your Mac meets the requirement of Mac OS 10.4.11 or newer. *PostView* 1.8 ($22) works from Mac OS 10.2 all the way up to 10.5 for PowerPC and Intel based Macs.

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