The *GAB'er*

The Newsletter of the Greater Albany Apple Byters

Apple Unveils iPod Touch

The new iPod touch introduced today features built-in Wi-Fi networking and a revolutionary multi-touch user interface—first introduced on iPhone—that makes it easy to find all of your music, video, and other digital content and enjoy it on the gorgeous widescreen display on iPod touch. The multi-touch interface uses pioneering new software to present the perfect user interface for Safari, Apple's YouTube application, and the new iTunes Wi-Fi Music Store—all of which come with iPod touch. An unbelievable 8mm thin, iPod touch features up to 22 hours of audio playback and up to five hours of video playback. Available later this month, iPod touch comes in 8GB and 16GB models for $299 and $399, respectively.

Coordinator's Corner

by John Buckley

It is that time again. The beginning of the school year is also the beginning of the year for GAAB. We will be starting our new year at Troy High School in room 212. If you want to see what's happening, this is the place to be.

At the September meeting we will set the schedule for the remaining demonstrations and then take a look at what is now available from Apple and .Mac. In addition, we will take a closer look at Search Engines. See which Search Engines do what and how to best use them in finding information.

To find out what's happening, GAAB is the place to be. So be sure to be at our September meeting and every meeting to find out the best information about the Mac.

The September meeting will be held at Troy High School in room 212 on Wednesday, September 12, 2007. The meeting will begin at 7 p.m. Troy High School is located at 1950 Burdett Avenue two blocks south of Samaritan Hospital. From the Northway, take exit 7 to Alternate Route 7. Follow Alternate Route 7 to Troy. Route 7 becomes Hoosick Street in Troy. Travel east on Hoosick Street to the first light past the old closed Dunkin Donuts. This is Burdett Avenue. Turn right and travel past Samaritan Hospital for about two blocks. Troy High School will be the second school on your left. The name is on the front of the building. You can park in the front lot. Come in the main entrance, go up the main stairway to the second floor, turn left and go to room 212.

Next GAAB Meeting
September 12, 2007

Web Search Engines
7:00 p.m.

Troy High School
1950 Burdett Avenue, Troy

Featured in this Issue

Serving the Apple Computer User Community Since May 1984

Officers & Special Interest Group Leaders

Program Coordinator
John Buckley
272-7128

Membership Director
Cecilia MacDonald
872-0823

Treasurer
Cecilia MacDonald
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Public Domain Librarian
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Internet SIG
Lou Wozniak
465-2873

Apple Ambassador

With Mac OS X version 10.5 (Leopard) coming out next month, I thought it would be interested to see what the latest take on the pre-release versions is. The following article gives you an idea of what to expect.

Mac OS X Leopard vs Microsoft Windows Vista
by Chris Pirillo

(http://chris.pirillo.com/2007/08/30/mac-os-x-leopard-vs-microsoft-windows-vista/#commentary)

There are a few Mac fanatics who aren't very impressed with what's coming in Leopard - much like Windows fanatics (and former Windows fanatics) weren't impressed with Vista. Each camp argues that these OS revisions don't go far enough - the argument is universal.

However, I can tell you that - with my limited exposure to the latest Leopard beta - OS X 10.5 is a far more user friendly, home network happy, 64-bit operating system for consumers than Windows Vista (even with SP1) could ever hope to be. This isn't a classic "Apple vs Microsoft" argument so much as it's a "Windows vs Users" one.

1. I was amazed to discover that VNC functionality was baked into the Finder - no muss, no fuss. I've been using VNC for years, largely because it's a cross-platform service that's simple to set up, access, and (ultimately) use. Leopard doesn't bury the ability to share screens. I simply can't believe it's this simple.

2. Time Machine is backup the way data backup and restoration should be - to a home network, with the right equipment attached. It's beyond comparison. You shouldn't need to hire a geek or network admin to get it to work, it's not buried, and you don't need to install any third-party software (arguments which throw out any kind of "Windows can do the same thing" argument). In this case, it's not the actual feature - it's the finish that's ultimately important.

3. Spotlight indexes and searches, with a fair amount of elegance and invisibility, across open machines

Internet SIG

Earn Money at Home Via the Internet
by Kim Komando

Search the Internet for work-at-home opportunities and the results are pages deep. It's true that you can use the Internet to increase your income and do it from home. But proceed with caution. There are plenty of scammers who make their money by taking yours.

There's no way to quick overnight Internet riches. To earn money, you need to provide some sort of service in return for pay. Like real life jobs, you may need to pass a test or a background check before getting hired. How much you can make depends on your skill and experience. But where possible, I've listed average pay rates.

Freelancing

If you have special talents, consider freelance work. Freelancing isn't just for writers. Designers, programmers, business professionals, engineers and even administrative assistants will find opportunities. Many small sites list freelance opportunities. Some let you bid on projects for free. For more opportunities, try elance.com, Guru.com or sologig.com. Expect to pay $100 or more for an annual membership. As a freelancer, you won't have the security of a full-time job. Projects could be sporadic. You may spend more time finding work than working when you start out. But you set your own hourly or per-project rates.

Customer service

If you're experienced in customer service, you can do this virtually. In addition to your own computer and a landline, you need a quiet environment. You can pick your own hours. You'll earn between $6 and $30 per hour. Try Arise.com, LiveOps.com or WorkingSol.com.

Virtual concierge

Virtual concierges handle errands and inquiries. You may be assigned mundane tasks like scheduling appointments. Or, you may get wacky requests, like locating clothing donned by a movie star. You need strong customer service skills. Try VIPdesk.com. Or, if you can sell yourself, start your own service. Compensation starts at $14 an hour.

Transcription

Have strong typing skills and a good command of the English language? Consider transcription work. Experience is required, and you must type 75 words per minute. Visit Tigerfish.com and ProductionTranscripts.com.

Direct sales

If you're good at selling, consider direct sales. Many companies have programs. And it isn't just Tupperware or Avon. You can sell in person or via the Internet. The Direct Selling Association will match companies to your interests. It also offers advice. Visit the individual companies' sites for information on their programs.

Tutoring

If teaching is your passion, become an online tutor. You connect with students via online chat. Be prepared to take a rigorous test. Teaching experience may be required. Start by visiting Smarthinking.com or Tutor.com. Expect to make $10 per hour.

Help for the disabled

Telecommuting is particularly beneficial for some disabled people. The National Telecommuting Institute helps individuals with disabilities find work-from-home opportunities. You'll find job listings and advice.

Watch out for scams

You'll find plenty of scam artists when you look for work-at-home opportunities. Be wary of companies that promise extraordinary sums of money for little work. Be wary of opportunities that require a substantial investment. In most cases, there shouldn't be up-front fees for getting started. With direct sales, you may need to buy products. Don't pay more than $500. And make sure the company will take back unsold stock.

Before you get involved with a company, do an online search. Type the company name, along with "scam" into a search engine. You'll see if others have had bad experiences with a company. Also, check with the Better Business Bureau for complaints.

Education SIG

State-run Virtual Schools Gather Steam

The following article demonstrates new directions for education as the internet becomes a greater part of our lives. Educators should look at this as an opportunity to explore new ways of teaching and learning in the 21st Century.

New SREB report points to growing interest among government officials in expanding online education

by Robert L. Jacobson
Senior Editor, eSchool News

Don't look now, but online learning—though still in its infancy—is well on its way to becoming a major part of state-sponsored education across the country. That's the impression left by a new report from the Southern Regional Education Board (SREB), whose member states have long been in the forefront of developing government initiatives in virtual schooling.

The 112-page report, which is being released today in advance of next week's annual meeting of the SREB's Educational Technology Cooperative, provides state-by-state details on the scope, financing, enrollment, curriculum, teacher preparation, and other aspects of government-supported virtual schools throughout the South.

A copy of the *Report on SREB State Virtual Schools*, which is based on an online survey conducted last spring, will be available at the SREB's web site (www.sreb.org). With 14 of the SREB's 16 member states overseeing online schools and the remaining two members preparing to follow suit soon, the southern region can point to having more statewide or state-led virtual-school programs than all other regions of the country combined. In addition to SREB members, 13 states have established online schools, according to the North American Council for Online Learning (NACOL), a foundation-backed group that was founded four years ago to expand and enhance K-12 online learning.

One relatively new program reported by the SREB is Alabama's ACCESS Distance Learning, which began delivering online classes throughout the state in June 2006. With total revenue of $11.3 million for the past school year, the program had about 174 participating high schools and three support centers that recruited teachers, monitored courses, and otherwise helped schools and students.

In another recent launch, South Carolina's state education department has been developing a virtual-school pilot project since May 2006 in collaboration with 11 school districts that already had experience with online courses. Funds for the first year came to $380,000. About 1,900 students participated in 2006-07. In response to a survey question about why students were taking online courses, the department cited factors that are fairly common among other states: no equivalent courses in the students' schools, for example, as well as scheduling conflicts, remedial needs, and graduation requirements.

Meanwhile, the statewide Florida Virtual School, a national leader in online learning, had state appropriations this past school year of about $50 million and some 54,000 participating students. (For more information about Florida's program, see this story: http://www.eschoolnews.com/news/showStory.cfm?ArticleID=7315.)

Bill Thomas, the SREB's ed-tech director, notes that online school enrollments in the South have grown every year since the Educational Technology Cooperative was established about seven years ago. One reason, he says, is that state legislators and governors have come to "understand the potential of online learning." He says they know that it offers opportunities to "do what hasn't been done in any other way."

Thomas adds that virtual-school enrollments in SREB states this past year totaled nearly 200,000, an increase of at least 25 percent. But even more important than the numbers, he says, is growing interest in the quality and accountability of online programs. He also cites SREB survey results indicating that some of the online programs already under way are offering such an "incredible" range of courses that they fairly rival the curriculum typically offered by a large urban high school. The SREB report lists the online courses offered in each state during the past school year. They include everything from core courses in English, math, science, and social studies to Advanced Placement courses, foreign languages, technical studies, remedial courses, music, art, journalism, and health—and that's just scratching the surface.

NACOL's president and CEO, Susan Patrick, says it's only a matter of time—and not much time, at that—before virtually all American students are participating in online offerings "as a normal part of their curriculum."

"It's going to go mainstream in 10 years," Patrick says, explaining that students who have grown up with the internet have been demanding more and more choices in their education, including online programs, and have been seeking increasingly rigorous courses as well. Patrick, who sees her organization as a kind of national counterpart to the SREB, acknowledges that education officials and political leaders face at least two big hurdles— a need for more funds and a shortage of teachers who are well qualified to provide online instruction—but she's confident that the challenges will be overcome. Referring to recent conversations she has had with members of the Council of Chief State School Officers (CCSSO), Patrick says officials whose jurisdictions have yet to join the online bandwagon are eager to do so. "They're coming on quickly," she says. "The states are ramping up." In some states, Patrick says, the motivation is partly to "keep up with the Joneses." But she says many state school leaders are also interested in learning what other states, such as those belonging to the SREB, are doing—so they don't have to "re-create the wheel."

Besides Alabama, Florida, and South Carolina, SREB states that have already established online schools— mainly, at this point, for students in the middle grades and in high school—are Arkansas, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, Tennessee, Virginia, and West Virginia. In addition, officials in Delaware are planning to start a state virtual school in about a year, while legislators in Texas have passed a law to establish a virtual school network.

Elsewhere in the country, state online schools have been established in California, Colorado, Idaho, Illinois, Indiana, Iowa, Massachusetts, Michigan, Missouri, Nevada, North Dakota, Utah, and Wisconsin.

Apple Ambassador
Continued from page 2.

connected on the network. Windows Desktop Search, last I tried, makes local searching (alone) a pain in the ass. Moreover, I find Spotlight to be a better implementation of Vista's Start menu - but that may be a personal preference.

4. Packages and preferences are far easier to manage than Windows programs and klutzy installation routines. There's a great comment thread on Coding Horror about this very problem. Windows is starting to show its age, and it's going to have to make major backwards software compatibility sacrifices if it intends on surviving as a desktop OS for much longer.

5. To my surprise, the Dictionary now has a direct gateway to Wikipedia. While I don't find Wikipedia to be the ultimate source for information, I do value its community-driven structure. With true identity tied into page edits, it could quickly become the Hitchhiker's Guide to the Galaxy. Contrast this to… well, I guess Windows Vista doesn't have a built-in equivalent to crowdsourced information. I just thought that was an amazing "little touch" that would come in handy at some point (especially after seeing that if Spotlight doesn't have results for a keyword search, it'll spit back a dictionary definition if available for the term).

6. I appreciate how Apple has handled platform transitions. PowerPC to Intel, 32-bit to 64-bit - there have been a few hiccups along the way, but I'd say that it's been a much better experience for Mac users than it has for those of us in the Windows world. Certainly, progess can be painful - but how painful should it be for you? Apple can change the rules at any given moment, and the onus is on the dev to make sure compatibility exists (or doesn't, for whatever reason). The user doesn't necessarily, and shouldn't have to, break a sweat.

7. Personal information management is far more seamless on OS X than it is in Windows. Fundamentally, iCal and Vista's Windows Calendar do the SAME thing - but iCal's "To Do" list is linked with Apple Mail. Moreover, .Mac provides a simple gateway for calendar publishing. Apple Mail handles RSS feeds well enough (like Windows Live Mail - which is a different, better client than Windows Mail that doesn't ship with Vista). Moreover, Apple's Mail supports Exchange - if only in a limited capacity. I certainly hope the next version of Entourage doesn't vista itself out of usability.

8. Help isn't just documentation, it's largely directional. I needed to find where to change the network Workgroup for my system. I typed "workgroup" in the System Preferences search box - and OS X macro'ed its way to the proper Preference Pane, tab, and precise field where I could change the setting directly. OMG! The Windows Help system, in stark contrast, feels like an "RTFM" experience (mildly ironic, though far from suprising).

9. Expose is a far better task switcher than the laughable Flip 3D. Expose isn't new in Leopard, but Apple has extended desktop usability by adding Spaces. While virtual desktop software has been available for years, Spaces is quite intuitive and clean. It's no Beryl / Compiz Fusion, but it's certainly better than giving the user nothing OOTB. It's all about encouraging users to get out of the "I can only have one program open at a time" mindset.

10. Despite some Mac advocates discussing "the Coming Leopard Letdown," it's not quite like "the Existing Vista Letdown." Consider comments made by hmurchison:

11. Networking - the Finder doesn't choke when volumes are unmounted. The finder doesn't seem to choke when a lot of small files are copied.

12. Calendar - Not only are Data Dectors back but they're infused nicely in mail and iCal data can now be written to from 3rd party apps. To Dos are accessible from 3rd parties. If you're a Productivity hound this is Heaven.

13. UI - The GPU now has a dedicated thread for rendering UI. Resolution Independence is included. OpenGL 2.1 is there with enhanced shading support.

14. The whole OS is Unix 03 compliant and undergoing certification. The Help menu is vastly better the whole OS is 64-bit yet still runs 32-bit apps natively. QuickTime 32-bit has been deprecated for QTkit 64-bit. QuickTime encodes faster and has alpha support.

15. I simply don't see anything in Leopard as a letdown, just like some Windows fans didn't see Vista as a letdown. It's a matter of perspective, needs, and expectations. There's no UAC, no WGA to contend with. More to the point, there's only one version of OS X for consumers to purchase.

In short, Leopard is a more user-friendly OS than Windows Vista.

Before you get your panties in a bunch, remember that I can't stand iTunes - it's an unwieldy way of managing media (even on OS X). Moreover, I don't like the way iPhoto manages metadata; I dream of the day Picasa gets ported to the Mac. Not everything that Apple does is pure genius. However, as far as a desktop platform and experience is concerned for the average user, Leopard is an absolute winner. It has 100 more "Wow"s than Windows Vista, and you don't have to look very far to find 'em.
Windows and OS X can peacefully co-exist, I believe - so long as Windows is running on either a Boot Camp partition or inside a virtual machine. The power of the PC is that it can support a billion different configurations, but some of us are at the point in our lives where we only need one config to work. I've come to this realization, and I don't find it sad at all - I find it uplifting.

I'll get attacked by the apologists, and I'm sure I'll be opening myself up to a whole new wave of attacks. I'd be equally as vocal about user interface inconsistencies on OS X as a I am with Windows (and believe me, there are still plenty of 'em - as Gruber has attested)!

To switch or not to switch… is becoming less of a question. Yesterday's arguments simply DO NOT APPLY.

An Open Letter to All iPhone Owners from Steve Jobs

To all iPhone customers:

I have received hundreds of emails from iPhone customers who are upset about Apple dropping the price of iPhone by $200 two months after it went on sale. After reading every one of these emails, I have some observations and conclusions.

First, I am sure that we are making the correct decision to lower the price of the 8GB iPhone from $599 to $399, and that now is the right time to do it. iPhone is a breakthrough product, and we have the chance to 'go for it' this holiday season. iPhone is so far ahead of the competition, and now it will be affordable by even more customers. It benefits both Apple and every iPhone user to get as many new customers as possible in the iPhone 'tent'. We strongly believe the $399 price will help us do just that this holiday season.

Second, being in technology for 30+ years I can attest to the fact that the technology road is bumpy. There is always change and improvement, and there is always someone who bought a product before a particular cutoff date and misses the new price or the new operating system or the new whatever. This is life in the technology lane. If you always wait for the next price cut or to buy the new improved model, you'll never buy any technology product because there is always something better and less expensive on the horizon. The good news is that if you buy products from companies that support them well, like Apple tries to do, you will receive years of useful and satisfying service from them even as newer models are introduced.

Third, even though we are making the right decision to lower the price of iPhone, and even though the technology road is bumpy, we need to do a better job taking care of our early iPhone customers as we aggressively go after new ones with a lower price. Our early customers trusted us, and we must live up to that trust with our actions in moments like these.

Therefore, we have decided to offer every iPhone customer who purchased an iPhone from either Apple or AT&T, and who is not receiving a rebate or any other consideration, a $100 store credit towards the purchase of any product at an Apple Retail Store or the Apple Online Store. Details are still being worked out and will be posted on Apple's website next week. Stay tuned.

We want to do the right thing for our valued iPhone customers. We apologize for disappointing some of you, and we are doing our best to live up to your high expectations of Apple.

Steve Jobs
Apple CEO

iTunes Wi-Fi Music Store Coming Soon to Starbucks

Sip. Buy. Repeat.

Walk into a participating Starbucks with your laptop, iPhone, or iPod touch and buy whatever's playing — along with millions of songs on iTunes — while your latte cools.

"What's that song?"
iTunes Wi-Fi Music Store Interface

Say you're in line at Starbucks. You hear this amazing song wafting from the speakers. You gotta have it. Now. Tap the iTunes button on your iPhone or iPod touch, tap the Starbucks button, and voilà: You see the current song, the last 10 songs played, and featured Starbucks Collections. Preview, buy, and download whatever you like, right then and there. Or, if you're sipping away with your laptop, buy what's playing — exclusively on iTunes.

Connect for free.

As long as you have an iPod touch, an iPhone, or a computer with the latest version of iTunes, you get free Wi-Fi access to the iTunes Store and to Starbucks Now Playing content. Stroll into a participating Starbucks and you're connected automatically. Browse and search the entire iTunes Store from your laptop or millions of songs on the iTunes Wi-Fi Music Store from iPod touch or iPhone. All at the same prices as the regular iTunes Store.

Bring it home.

Every song you buy on your iPhone or iPod touch at Starbucks syncs back to your Mac or PC the next time you connect. And if you've only partially downloaded a song on your iPhone or iPod touch, your computer completes the download automatically.

Latest Rumor Update

Rumors has been predicting it for nearly two years, since the beginning of the efforts to develop truly OS X-based, touch-widescreen handheld iDevices.....and Steve Jobs gave an exciting speech at the press Event which introduced a whole new iPod lineup with a flagship iPod Touch product which is basically an iPhone with the cellular-specific hardware and software removed — $299 for 8GB and $399 for 16GB which is extremely exciting.

Remarkably, removing all that cellular hardware has saved quite a bit of space — the iPod Touch is a mere 8mm thick versus the iPhone's 11.6 millimeters! The weight gap is smaller but not insignificant: 120 grams (4.2 ounces) versus the iPhone's 135 grams (4.8oz). Held vertically, the iPod Touch is also slightly shorter: 110mm tall versus the iPhone's 115mm; the difference being the lack of components such as the earphone element of the iPhone's upper segment and the microphone in the lower segment. All in all, quite a remarkable iDevice and sure to further solidify the iPod's domination of the hand-held computing world.

iPod Touch will ship on or before September 28th and sport up to 22 hours of battery life, 5 hours of video playback time and upwards of 12 hours of constant high-traffic wi-fi web browsing. Stay tuned for our early-adopter reviews, more hands-on reports with the latest "web apps," customization tools and other fun stuff for both iPhone & iPod Touch!

Our general-interest technology focused sister web sites in the Xerces network will be bringing us links with all the latest on using Apple's hot new technology so that MOSR can remain focused on what's in the future for the Mac community and of course dishing the latest dirt on what the Grapevine has to say!

Stay tuned....the next few months leading up to the Holiday season are going to be very exciting to say the least. The new iPods are just getting us started!

September Highlights

As our contributors and writing staff have had the chance to use Apple's new Keyboards in both Wired and Wireless forms, it's remarkable how much they match the prototypes we've been talking about for months....but also striking how different they are from anything that has come from Apple or anyone else in the past. We'll be talking much more about our experiences with these keyboards soon — suffice to say that if you want a guide to the look and feel of Macs and iDevices to come in the next year or so, look no further.

As a matter of fact, several of our sources have been repeatedly pointing out since the very first leaked pictures of the new Apple Keyboards appeared that prototypes of a next-generation Mac Mini (due in about 3-5 months, a possible Macworld SF announcement in January), the Macbook Thin/Macbook Nano that we've been talking about since before the first Macbooks even shipped, and even the next generation Mac Pro & Xserve....will all include industrial design changes inspired by similar ideas to what we have seen in the iPhone and the new Keyboards.

The Macbook Thin, a product line that has been simmering at Infinite Loop since the beginning of the Intel Era and the End-of-Life (EOL)'ing of the mid-range Powerbook G4 12-Inch....has been waiting for several advancements to arrive. Now that these are all in place, the final prototypes for the new mid-range Apple ultraportable laptop are not so different from Intel's recent reference designs for such machines based around its 2.2 and 2.4GHz Santa Rosa "Core 2 Duo Mobile" chipsets.

Meet the all new iPod nano

Apple today announced the all new iPod nano, which now brings video playback, an enhanced user interface featuring Cover Flow, and an incredible new design to the world's most popular music player. Featuring a larger two-inch display with 204 pixels per inch, the new iPod nano lets you watch your favorite movies, TV shows, and music videos in the same resolution available on the current video iPod. iPod nano comes with three enjoyable games (iQuiz, Vortex, and Klondike), and you can purchase and download other games from the iTunes Store. Encased in a beautiful new all-metal design, iPod nano comes in five new colors—silver, black, blue, green and a (PRODUCT) RED special edition. Available today, iPod nano comes in 4GB and 8GB models, selling for just $149 and $199, respectively.

Mac Tips

Passwords: Safety in Numbers

Picking good passwords is an important element of keeping your system safe and your information private. Good passwords are impossible to guess and difficult to crack, but they can also be hard to think up. Let OS X Tiger take the pain out of the process.

The Mac OS X password assistant can help you come up with a secure password instantly. It's available whenever you create a new user account or change the password for an existing account in your System Preferences.
Password key

When you're prompted to create a password, just click the key icon to the right of the "New Password:" field.

The password assistant gives you ten dynamically-generated passwords to choose from right away, based on your choice of several password types:

- Memorable (a mix of words, punctuation and numbers)
- Letters & Numbers (randomly selected, no punctuation)
- Numbers Only
- Random (letters, numbers, and punctuation)
- FIPS-181 compliant (following the U.S. Department of Commerce Standard for automated password generation)

Using the assistant couldn't be simpler. Select the length of the password you want — from 8 characters all the way up to 31 — then pick the type of password from the Type: list and the password assistant will go from there. If you don't care for the first ten choices, just click "More suggestions" to get ten more.
Password fields

The password assistant can also evaluate the strength of passwords that you create yourself. Select "Manual" from the Type: list and enter your suggestion. The password's strength is rated using a color coded scheme: red is weak, yellow means medium strength, and green represents a strong, secure password.
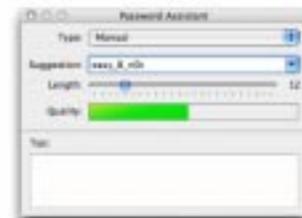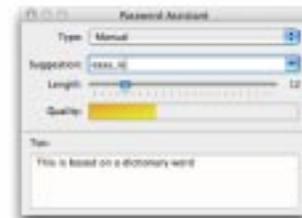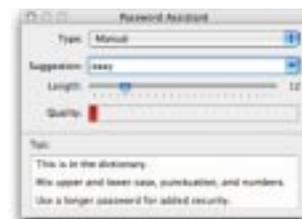
Castle Computer Changes Operation

A long time member of the Apple and Mac Community has changed its location and the services that they will provide.

They are now called CASTLE MAC SERVICE and offer Mac services only (Applecare, warranty, out of warranty, training, support, parts, etc.) They no longer offer sales of computers, accessories, software or peripherals.

The Apple Store, largely in part to its Store Manager and staff, has proved to be a significant asset to Castle over the years. They have referred countless clients to Castle and continue to send service referrals from them on a daily basis.

Castle Mac Service is now owned and operated by Mark Bogossian, former President & CEO of Castle Computers, Inc. who has been working at and managing Castle Computers since January 1983.

How can you get in touch with Castle Mac Service? You can call 518-783-9405 or email mark@castlecomp.com or come in by appointment. The website for Castle Mac Service is http://www.castlecomp.com/ and the new shop is at 892 Troy-Schenectady Road in Latham, west of the old store at 836 Troy-Schenectady Road.

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To start or renew your GAAB membership, see Cecilia MacDonald or send your fees payable to her at the following address:

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Visit GAAB on the Internet at http://homepage.mac.com/applebyters