

MayProgram

May Meeting

Using Pages, Numbers & Keynote
 Avi Learner will be here to highlight
 Apple's suite of office products formerly
 known as iWorks and contrast those with
 similar Microsoft Office apps. Avi is a
 former Certified Apple Technical Consultant,
 and former board director of the Gold Coast
 Mac User Group in Miami FL.



Upcoming Meetings



Main Meetings
 May 7th

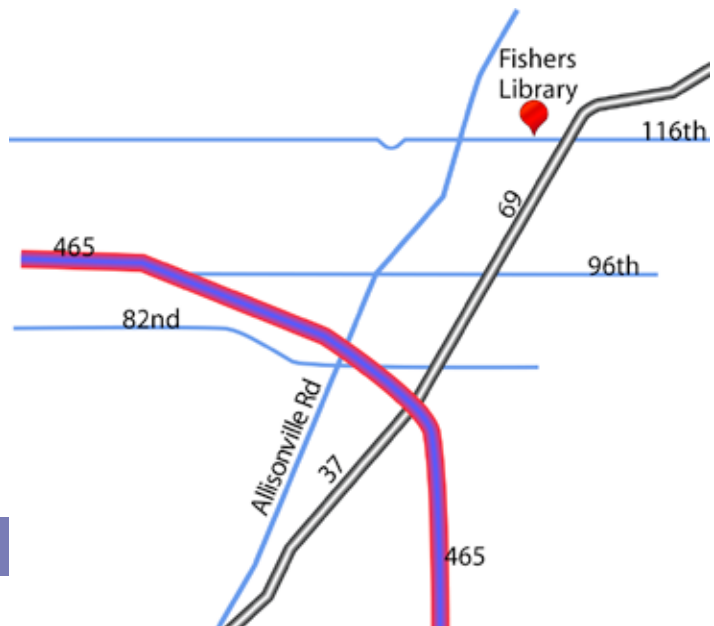
**Business Meetings are now
 Virtual (See Website Forums)**

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ApplePickers Main Meeting

We meet the first Wednesday of each month, 6:30-7:00 p.m. social time, main meeting 7:00-8:45 p.m. at the [Fishers Library](#), 5 Municipal Dr. just north of 116th St. in Fishers. Visitors are always welcome to come and join us.



ApplePicker's Business Meeting

The business meeting is held via the ApplePickers "Virtual Business Meeting" forum topic. Any member is welcome to post in that topic stating their opinions on what the club should be doing.

Mac ProSIG

The third Monday of each month, Apple Representative Greg Willmore hosts the Mac Programmer's SIG. You should email Greg for specific information. willmore@apple.com Location varies.

Final Cut Pro User Group

The INDYFCPUG meets the fourth Tuesday of each month from 7:00-9:30 p.m. Since the location may vary, please be sure to check their [website](#).

ApplePickers Officers

President	Bob van Lier	president@applepickers.org
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Editor next month	Bob van Lier	bobv@applepickers.org
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About the ApplePickers

ApplePickers is a not-for-profit educational organization. We are made up of volunteers who donate their time for the community advancement of computing. We are in the business of giving away information. All are welcome to join and we encourage you to get involved. Contact anyone mentioned above or write to: ApplePickers, P.O.Box 20136, Indianapolis, IN., 46220

Remember that ApplePickers is here to help you. This help comes from our many members who give of their time and talents to the group. Please help us to help you by giving something in return.

Opinions expressed herein are those of the authors and may not be construed as the official views of the ApplePickers MUG.

Newsletter Information

We welcome members' contributions to the newsletter. Submission deadline is the 20th of the month. Please send articles to the editor for that month. Bob is the editor next month. ApplePickers accepts a member's classified ad free of charge once every 6 months. Business ads are also accepted.

Email pr@applepickers.org for more information, or visit our website: www.applepickers.org
Advertisement rates are as follows:
Business card size - 3" x 2.5" \$60 per 6 months
Quarter page size - 3.75" x 5" \$100 per 6 months

All advertisement requests must be approved by the board prior to inclusion in the newsletter. Full color or grayscale ads have the same price. We request that your ad be "camera ready" art. 300dpi is preferred. Email ads to either newsletter editor

ApplePickers Message Boards

Come and join us at the ApplePickers' new Message Boards! Ask questions, read other ApplePickers member's postings. See gossip and news and special announcements. The ApplePickers Message Boards are a valuable and useful member benefit! Free subscriptions for ApplePickers members. To join point your browser of choice to www.applepickers.org, and click on the Forum tab on the top of the website. If you need an account or lost your password, please E-mail Bob van Lier at bobv@applepickers.org.

New Information

As a new benefit to members, we offer the ability to have your own @applepickers.org e-mail address. If you are interested in setting up an ApplePickers e-mail address for yourself, please send an e-mail request to Bob van Lier and give us the address you wish to have and whether you just want a forwarding account or a regular e-mail account.



The Normal Person's Guide to the Heartbleed Vulnerability

By Adam C. Engst & Rich Mogull

By now, it's likely you've heard about the Heartbleed Internet security vulnerability, which has made headlines around the Web, albeit often with a level of hyperbole and technical detail that makes it difficult to evaluate. Let's assume you're not a system administrator, or in charge of a bank or ecommerce Web site (if you are, go read Troy Hunt's write-up). What do you, as a normal user of the Internet, need to know, and more importantly, need to do? Thanks to our security editor, Rich Mogull of Securosis, for the bulk of this information.

What is the Heartbleed bug? -- It's a security vulnerability that was introduced to OpenSSL about two years ago. OpenSSL is one of the most common software applications for implementing encrypted (SSL/TLS) connections to Internet servers; these are the secure https connections that we all rely on to protect our communications when shopping, banking, and working with confidential information. SSL/TLS is used by more than just Web browsers too; lots of Mac and iOS apps rely on it behind the scenes as well.

The Heartbleed bug enables an attacker to read parts of the memory of a server directly, assuming it's running a vulnerable version of OpenSSL and is configured in a certain way. Security researchers have shown that the bug can be exploited to reveal usernames and passwords, encryption keys, and anything else that's transmitted or stored in the server's memory.

How bad is Heartbleed? -- We won't lie — it's extremely bad, and among the worst security bugs we've seen in recent history. It enables attackers to break encryption and potentially access other sensitive information from the server. Worse, it does so invisibly, so Web site administrators can't go back and check logs to see if the site has been attacked in the past.

Security expert Bruce Schneier calls Heartbleed catastrophic, saying "On the scale of 1 to 10, this is an 11." Half a million sites may be vulnerable to the bug, according to Netcraft, although some later discussion suggests that the number may be smaller than initially believed. With this tool from Filippo Valsorda, you can test sites you use regularly, although nega-

tive results may not mean anything, since conscientious system administrators are installing a new version of OpenSSL that patches the bug quickly. For a more complete testing tool, check out the SSL Server Test from Qualys SSL Labs.

On the plus side, our Web sites for both TidBITS and Take Control are unaffected by the bug, and eSell-erate, which runs our Take Control cart, tells us that their servers have never been vulnerable to Heartbleed.

Do the bad guys (or the NSA) now have my passwords? -- Maybe. Bloomberg reported that the NSA has been exploiting the Heartbleed bug for several years, although the White House denied any prior knowledge of the bug.

We don't yet — and may never — know if anyone else has been exploiting the Heartbleed bug to harvest information before it became public on 7 April 2014. But because the bug is now public, you should assume that any vulnerable Web site is under active attack, and if you have logged in since the bug was exposed, it's best to assume that someone may have your password and potentially any other data you transmitted in that session.

We realize that's incredibly paranoid, but we have no way to know which sites attackers are watching. And don't get the impression that Heartbleed requires a person to do the watching; any online criminal or intelligence agency worth its salt would be automatically Hoovering up as much information as possible.

Should I change my password at every major site I use? -- No. Only change your password if both of the following are true:

- You know a site was vulnerable.
- You know it is now patched.

Heartbleed is a live exploit, which means changing your password on an unpatched site is more likely to expose it than doing nothing. Avoid vulnerable sites until you know they are fixed, and then go back and

change your password. We expect responsible sites will notify their users once they are no longer vulnerable and will make all users change their passwords. That's the other reason not to change your password now; if the site is vulnerable, you'll just have to change it again once they patch their servers. Mashable has a list of major sites and whether or not they were affected.

What if I logged in the day before Heartbleed was public? -- There are two ways your password on a particular site could have been exposed before Heartbleed was revealed to the public:

One or more bad guys knew about the vulnerability within the past two years and have been collecting sensitive information during that time. That's a worst case scenario, and again, we have no way of knowing if any criminals or intelligence agencies have been exploiting the Heartbleed bug all along. Criminals probably would have used the information quickly, while it was still relevant; governments would likely just sit on it.

A bad guy previously recorded encrypted traffic for the site, but couldn't do much with it. Then, when Heartbleed became public, he used it to steal the private key of the site's server before it was patched, after which he can use the private key to decrypt the previously recorded traffic. This is likely something only a government could or would do.

Are my passwords stored in 1Password or LastPass safe? -- Yes, stored passwords are safe. In the case of the 1Password application from AgileBits, there's no need to worry at all, since 1Password isn't built on SSL/TLS in general, nor upon OpenSSL in particular.

LastPass requires more explanation, since the service is Web-based and the company's servers do rely in part on OpenSSL. In fact, until LastPass patched its servers (shortly after learning about Heartbleed), Filippo Valsorda's tool would have shown lastpass.com as vulnerable. But that's deceiving, because the LastPass browser extensions actually encrypt all your sensitive data with a key that LastPass's servers never see, so your data is never transmitted using SSL without first being encrypted with this additional key. So even if a bad guy was eavesdropping on LastPass's servers, breaking the SSL encryption would reveal only more

encrypted data. So, no need to worry about that. As an aside, LastPass has incorporated a Heartbleed vulnerability check into the service's Security Challenge feature.

There are many other password management tools out there, and if you use something other than 1Password or LastPass, check your utility's site and see what the company is saying on its blog or support pages. And if the company isn't sufficiently transparent to comment on the issue, we recommend looking for a different tool.

What should I do? -- Right now, unless you are a server administrator, there isn't much you can do. Test important sites you are worried about, and don't log into those that are vulnerable until they are patched. Keep an eye on your email inbox, and as you get notifications from affected sites telling you to reset your password, do so. As always, if you're concerned about the possibility of phishing, enter the site's URL directly into your browser rather than clicking a password reset link. Yell at any vulnerable site that doesn't patch in the next few days.

If you are a server administrator of a vulnerable site, install the OpenSSL patch, revoke old SSL certificates, and generate new certificates and private keys. Do it yesterday.

There is a lot of hyperbole out there right now. Yes, Heartbleed is as bad as it gets for those of us who manage servers or are in the security industry, but the practical risk to most people isn't the worst thing we've seen on the Internet. That said, we're not complaining about the hyperbole, because it helps us pressure the people that do manage the servers to fix them as soon as possible.

In short, the Internet isn't melting down, but the people who manage vulnerable systems probably won't be sleeping for a while. If you have other questions, feel free to ask them in the comments, and we'll do our best to answer them and update this article as appropriate. - Safe Computing 4/9/14 & TidBITS.

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Who Will Own the Internet?

By UGN Info Group

Who will own the Internet if America gives it away? OR, is this the end of the Internet as we know it?

As many, including UGN, predicted in 1998, the rule of ICANN has now come to the brink of turning the management of the internet over to entities outside the U.S. who may not be friendly to the ideals of the Internet. InerNIC should never have been taken out of U.S. government control — and should have never changed the accountability structure of the internet, DNS and domain ownership. You are now witnessing historic moments that will provide proof that the Clinton administration made among others, one of the worst decisions in the history of modern mankind. Now, the Democrats, partnering with foreign pressure, want to erase the last vestiges of accountability.

Call your congressman and let them know NOT to turn the internet over to the United Nations.

Read more:

- * Republicans urge administration to hit pause on Internet control transfer, push new bill
- * Obama Administration Denies 'Abandoning the Internet'
- * House GOP leery of bid to end domain authority
- * GOP Moves to Block U.S. Domain Name Shift
- * GOP bill keeps US Internet control and more ...

[The End of the Internet as we know it](#)

The Obama administration now follows grave Clinton decisions continuing down that same slippery slope which may change the connected world forever. Obviously, through misinformation or ignorance, the nightmare set in motion in 1998 may complete itself.

Americans who care to keep some degree of accountability in the Internet need to ask themselves why the Obama administration and ICANN think that decisions about who would take the current U.S. oversight role would be better off in the hands of foreign governments. This is completely in opposition to the original intent and goals of the Internet. They openly attest that it's the same way many decisions about In-

ternet policy are currently made — which is untrue. In spite of all of the efforts by pro-internet supporters, including Knujon, CAUCE, UGNN and Safenetting, congress and the administration appear to be completely ignorant to what's really going on with ICANN and the Internet.

House Judiciary Committee Chairman Bob Goodlatte, R-Va., is one who actually understands. He said Thursday ...

"Many Americans are past the point of being satisfied with vague assurances when hard answers, evidence and sober judgment are needed..."

In recent months, some countries including Russia, China and Iran have proposed giving a United Nations agency more influence over the Internet, which many view as a backdoor way of increasing online censorship by repressive regimes. Democrats seem to be content with giving these countries what they want. Russia and China continue to be among the most prolific cybercrime generators in the world. Does it really make sense for the U.S. to turn management of the internet over to them?

ICANN's president and CEO, Fadi Chehade, is aware of an seemingly tolerant of rogue registrars and internet cybercrime cartels. Under his leadership ICANN has allowed domain "tasting" to continue — permitting a billion phishing and malware spams to be sent each day. Under Chehade's leadership, the reporting facilities for identifying, tracking and blocking cybercrime and cyberterrorism IP blocks no longer functions. His staff no longer even makes excuses, but simply reports : "that's the way it works." ICANN's own bylaws are openly violated and scoffed each day. They are incapable (I believe unwilling) to enforce their own rules, or manage the task they already have — including the integrity of the WhoIS system. But Chehade keeps a smug, straight face while telling the Judiciary panel:

"Everyone is at the table with equal voice ... The model works, and it works very well." Continued on [Page 12](#)

REVIEW: HTC One (M8) Smartphone

By Irv Haas - The Review Guru

Since Apple released its first iPhone in 2007, the competition has been hectic for phone manufacturers.



Phone makers are adding more features making smartphones even smarter. Just this short year Samsung has increased its popularity with the Galaxy S[®]5 phone. With a larger display, quad-core processor, fingerprint sensor and waterproof body just to name a few, what is the competition to do?

Add to that mix HTC, a Taiwanese company that has produced many smartphones over the years. To keep up with the competition, HTC introduced the HTC One last year. Based on its success and to compete in the marketplace, HTC has now introduced the updated **HTC One (M8)**. Technically last year's model was the M7!

HTC has made several improvements over last year's One model. Its size has been increased from 4.7" to 5.0". It is rumored that Apple will announce a larger iPhone later this year as well

Its processor has been bumped up to a 2.3 GHz quad-core. Memory is still 32 GB, but you also have a micro SD card slot if you need even more memory. Such a slot was not available on the original One.

With a larger battery (2600 mAh Lithium Ion) you get up to 22 hours of talk time.

The larger screen has also increased its size and weight accordingly. It is now 5.76" x 2.78" x .37" with a slightly bulkier weight of 5.6 oz. Its size still makes it easy to carry in your pocket or purse.

This striking phone features an aluminum back much like Apple's iPhone and has a solid feel. It comes in 3 colors: gunmetal grey, glacial silver and amber gold. Not all carriers carry all 3 colors.

Let's check out some of the unique features of the HTC One:

BlinkFeed™

For effect HTC is changed the home screen to offer BlinkFeed™. This lets you place news photos of interest to you on your home page. This page cannot be deleted. It will automatically come up as your home page.

You can opt for whatever news source you prefer as well as topics of interest. The news feeds automatically appear. You can accept the default settings or customize your preferences.





HTC BoomSound™

The problem with most smartphones is that their audio system is usually poor unless connected to a headphone. HTC has improved this problem by placing dual frontal speakers with built-in amplifiers to provide rich powerful audio usually never found in a smartphone.

This technology delivers bigger sound with less distortion and more detail.

Larger Battery

Due to HTC One's larger size, it features a battery that lasts 40% longer than before. Its Extreme Power Save mode gives you up to 2 weeks of standby time.

Motion Launch

This app uses built-in motion sensors to detect when you pick up the phone and with a single swipe or double-tap you can unlock your screen or launch an app without even hitting the power button.

Camera

HTC offers what they call an *UltraPixel Camera* that automatically captures up to 20 photos and a 3-second video. This makes your still pictures look more like videos.

This smartphone offers an extra lens for focusing. If you want to change the focus from the foreground to

the background, this extra lens will do the trick.

The camera offers an *Always Smile* feature that lets you select the best shot if one of your group is not smiling. It looks at all the similar shots and automatically makes the adjustment.

While most smartphones have higher resolution, HTC decided to opt for a 4MP resolution, but with a sensor pixel size larger than most smartphones. This lets in more light making for crisp pictures compared to 8 MP or higher.

Universal Remote

HTC allows you to use the One as a universal remote. The power button doubles as an infrared transmitter by letting it connect with your TV, cable box or home theater system.



Pricing

This phone is available for \$199.99 from all carriers with a 24-month contract. If you want to avoid a contract, you can buy the phone outright from \$599.99 to \$699.99, depending on carrier.

Evaluation

The phone worked as advertised with the many features offered. The sound was just amazing for such small speakers. Construction of the phone was solid with its aluminum backside.

I did have some minor negatives with this phone. The battery is sealed inside the phone and so replacement is not user-friendly much like Apple's iPhone.

The power button, now located in the upper right corner, is too close to the volume buttons so you could change volume when pressing *power*.

As mentioned previously, the addition of a micro SD card slot is a welcome addition for those who want to add more memory than what is offered in the phone itself.



What's Included

- 1) HTC One smartphone
- 2) AC charger and cable
- 3) SIM tool
- 4) Quick Instruction Guide

Setup

In the past you needed to set up your smartphone manually by selecting apps and other settings. If you were an iPhone user, this could be difficult.

HTC has made an effort to make the setup as easy as possible. When you turn on the phone for the first time, you are instructed to perform the setup. HTC now has a simple software solution to this problem much like Apple's *Migration Assistant*. They ask the user to

select between their previous Android phone or an iPhone to import data.

This simplifies setup for Apple users making the transition from an iPhone to an HTC One a considerably simpler task.

Conclusion

If you are looking for a smartphone loaded with features, you do not need to settle on the iPhone. HTC and Samsung have upped the ante with more features in a solid phone. As a result it will be interesting to see what Apple will come up with next!

Microsoft Office for iPad Apps

By [UGN Info Group](#)

A couple of weeks ago, Microsoft released Microsoft Office Apps for iPad.

The apps, Word, Excel and PowerPoint can be downloaded for free. However, in order to do more than view documents, you must subscribe to Microsoft Office 365, the online service.

These apps are also available at that point via a browser as well. This subscription also provides OneNote and Outlook for Macs and PCs. Publisher and Access

are available for PCs too. The Premium subscription provides 20 GB of OneDrive storage per user (up to 5 users). Also 60 Skype minutes per month at no extra charge.

Normally MS Office 365 Home subscription is \$9.99 per month or \$99.99 per year. This allows access for up to 5 computers, (Macs or PCs) and 5 tablets plus access from smartphones.

If you only need it for one computer and one tablet,

then the MS Office 365 Personal edition is only \$6.99 per month or \$69.99 per year. It provides the same access as the Home version, but it is limited to only 1 user.

Office 365 University is available for university students or educators for \$79.99 for a 4 year subscription also for 1 user.

Microsoft Office is still available as individual purchases as well as via the subscription. And individual apps can still be purchased for the computers as well.

Microsoft Office for Mac Home and Student edition is \$139.99

Microsoft Office Home and Business for PC or Mac is \$219.99 (PC version is 2013, Mac version is 2011)

Microsoft Office Professional for PC is \$399.99 and includes Access and Publisher

The individual apps for computers are:

Outlook 2013 – \$109.99

Publisher 2013 – \$109.99

Word 2013 – \$109.00 (Non-Commercial version is \$79.99)

Access 2013 – \$109.99

Excel 2013 – \$109.99 (Non-Commercial version is \$79.99)

PowerPoint 2013 – \$109.99 (Non-Commercial version is \$79.99)

OneNote 2013 – \$69.99 (Non-Commercial version is \$49.99)

Make Your iPhone's Battery Last

By [UGN Info Group](#)

Business Insider has this article by Lisa Eadicico and it covers several ideas on how to lengthen battery life on your iPhone.

The list includes:

- ✕ Disable auto app updates
- ✕ Turn off Background App Refresh
- ✕ Turn off settings like Wi-Fi, Bluetooth and AirDrop when not in use
- ✕ Make sure idle apps aren't draining your battery
 - Such as GPS symbol showing up at top of screen when you aren't using GPS
- ✕ Be smart about how often you charge your phone
 - The less often you charge your phone the longer its life
- ✕ Use Apple's native apps when you can
- ✕ Try using a third party battery saver app (Such as Battery Doctor or Battery Life Magic)
- ✕ Buy a battery pack for your iPhone

See the full story, including why these items help, here: <http://read.bi/1hnnUlm>



**BUSINESS
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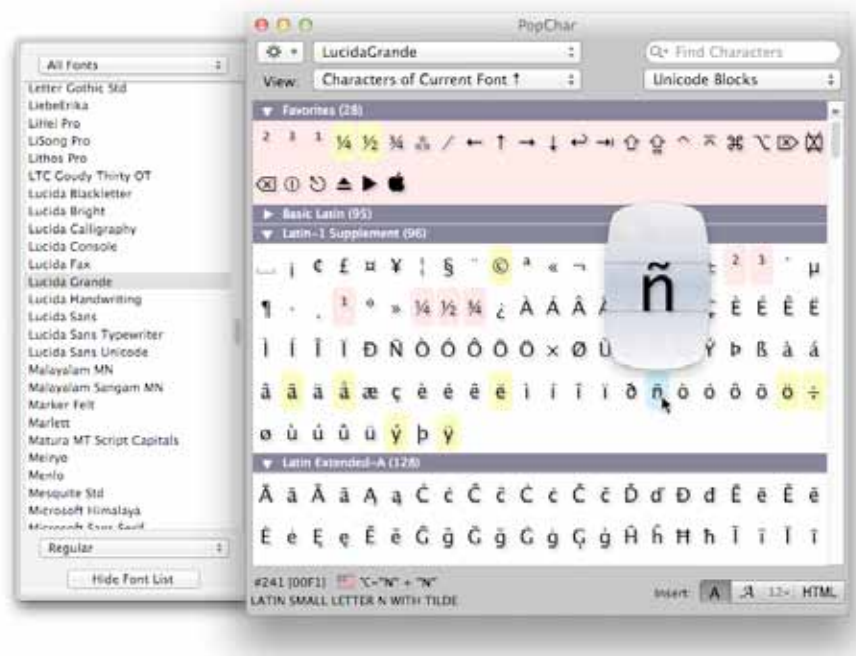
PopChar X 6.5

By UGN Info Group

Hagenberg, Austria – Ergonis Software has announced PopChar X 6.5, a new release of the company's award-winning tool for efficiently exploring fonts as well as finding and inserting special characters. PopChar X 6.5 comes with a new custom insertion technique, which leads to faster character insertion for many applications. Among the improvements is also a work-around for a problem on Mavericks that caused the search field to be cleared while entering a search text. The new version furthermore solves a problem on non-English systems, where PopChar did not remember the previously selected layout.

Visit Ergonis Software's website to view the list of improvements and enhancements contained in this release and to download a trial copy.

PopChar solves a problem faced by every technologist and multi-lingual worker. Inserting special characters into application documents can be frustrating and results in a steady loss of productivity. With PopChar, thousands of special characters are only a few clicks away. Just pop up the PopChar window, click the desired character, and the character appears in your current document right away. Starting with PopChar 6, you can even take a new look at fonts from a designer's perspective – see a font preview, check out what a given text fragment looks like in a certain font, and print beautiful font sheets.



System Requirements:

PopChar X 6.5 requires Mac OS X 10.5.8 or newer and is fully compatible with OS X Mavericks (10.9).

Availability and Ordering:

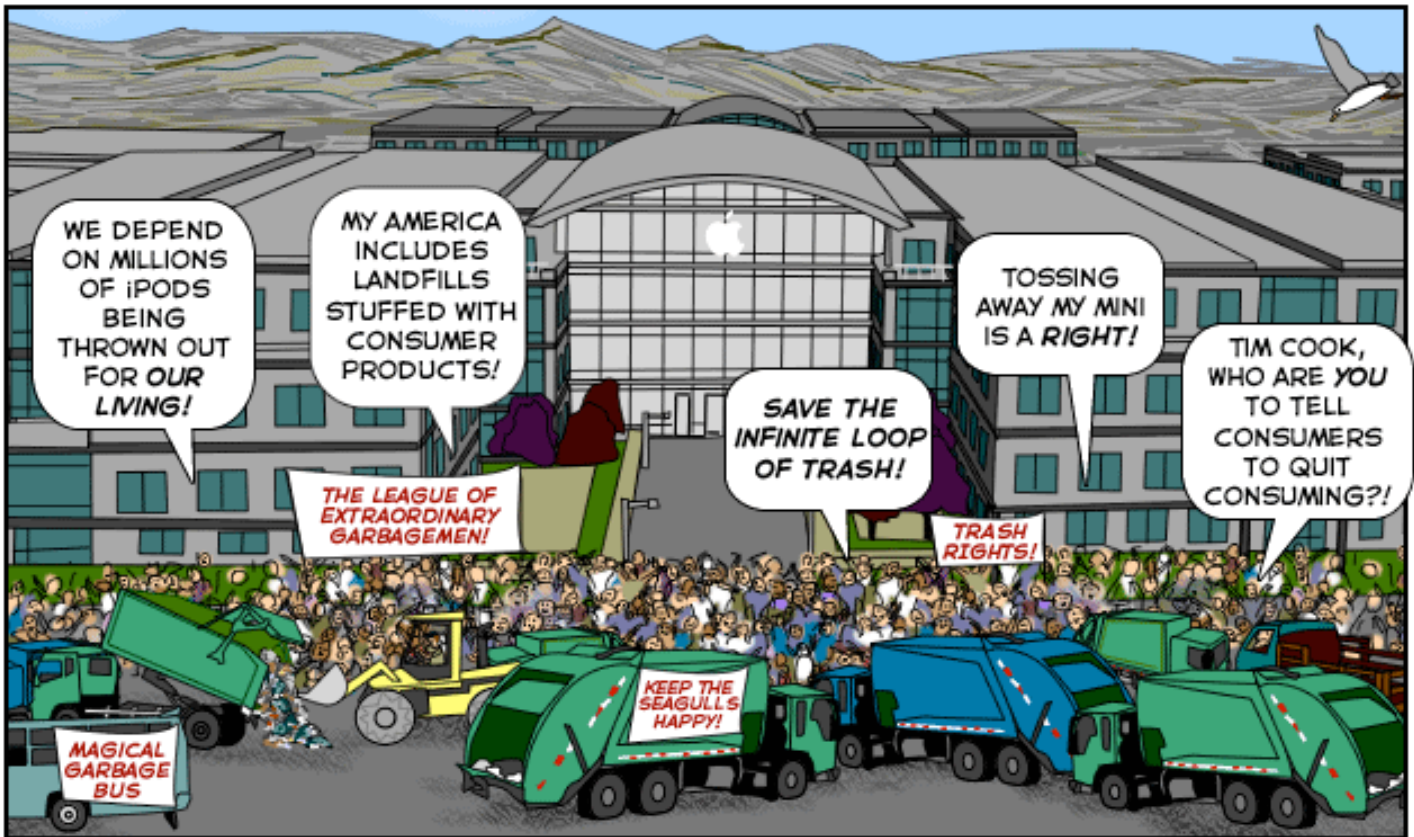
PopChar X can be purchased securely on the Ergonis Software website. The upgrade to PopChar 6.5 is free for anyone who owns a valid license for PopChar X 6. Upgrade paths are available for owners of older licenses. See the company's web site for information about purchases, including enterprise licenses, volume discounts, and upgrade pricing offers. Instead of purchasing PopChar separately, customers can save money by ordering the Ergonis Productivity Bundle, which also includes the text expander Typinator and the keyboard shortcut helper KeyCue.

Ergonis Software: <http://www.ergonis.com/>

PopChar X 6.5: <http://www.ergonis.com/products/popcharx>

Download PopChar X: <http://www.ergonis.com/downloads/popcharx-install.dmg>

Purchase: <https://store.ergonis.com/products/popcharx>



Application for Membership

Membership has its benefits.

An ApplePickers membership offers the following benefits, plus many more:

- The ability to view and post on our message boards.
- The ability to have your own email address - ___@applepickers.org
- The ability to place a free ad every 6 months.
- The ability to participate in all club raffles and auctions

Name _____
Additional Family Members _____
Address _____
City _____ State _____ Zip _____
Phone _____
Email (Required) _____
<input type="checkbox"/> New Member (Single/Family \$25)
<input type="checkbox"/> Renewal (\$25)
I prefer to receive my newsletter:
<input type="checkbox"/> via email notice (download via web)
<input type="checkbox"/> As an email attachment
Mail your application along with a check for \$25 made payable to ApplePickers to: ApplePickers PO Box 20136 Indianapolis, IN 46220

Internet from [Page 5](#)

This is not just a lie. It's a lie told repeatedly — but the panel believes him. We've watched and tracked this issue since the late 1990s. It does not work and needs to be overhauled. China walks in a million delegates, while ICANN blocks U.S. watchdog organizations from their meetings. ICANN allows the Russian government to weild their outlaw botnets to completely disable Georgia before mounting an invasion! But the Obama administration seems to want to continue ignoring history.

The clearest evidence that the Democrats are incompetent of making sane decisions about the internet is their fear of making it appear that the U.S. runs the Internet. Now, go back and read that point again. Is there something wrong with that statement? The Department of Defense originated today's internet in the 1960s. Now, the Dems want it to appear that the U.S. doesn't own the internet?

Why are the Democrats "worried" that it "appears" the U.S. runs the Internet? Did they miss history class? Somebody should check. Are they Americans? Somebody should check. Will they eventually destroy the internet if Americans allow them to? Somebody better check.

GOP Moves to Block U.S. Domain Name Shift

Republicans are not giving up control of the Web without a fight. A House subcommittee on Thursday approved a bill that would require the Government Accountability Office to study the impact of the U.S. giving up its oversight role of the Domain Name System (DNS) before it becomes official. The GOP is concerned that the U.S. will hand over control of the DNS to an entity that might manipulate it for political purposes. The administration has said that won't happen.

In March, the National Telecommunications and Information Administration (NTIA) within the Commerce Department asked the Internet Corporation for Assigned Names and Number (ICANN) to start the process of transitioning oversight of Internet's domain name system (DNS) from Commerce to a non-governmental entity by 2015.

Full story : [Stephanie Mlot writing for PC Magazine](#)