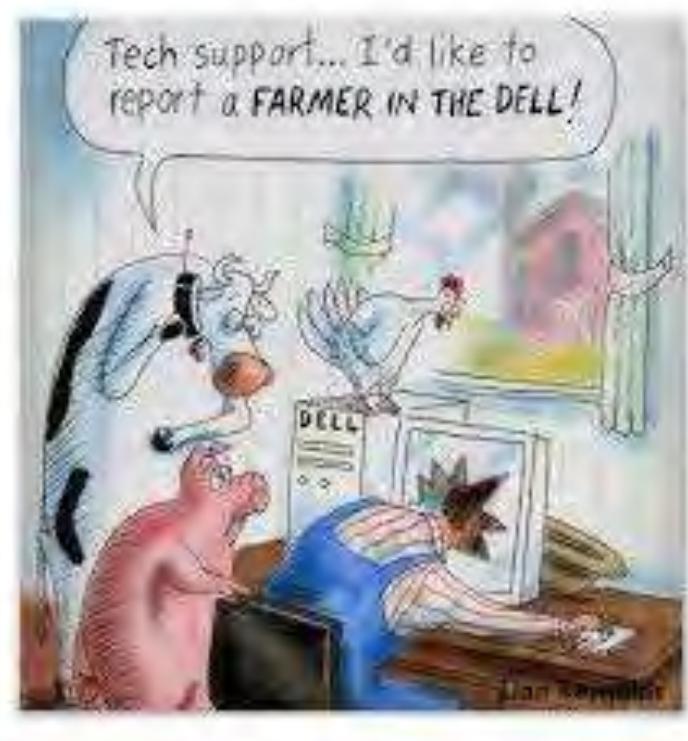




Windows 10 & PC Security Workshop



Presented by
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Cover Your Eyes and Ears (whatever ☺)

Unless you are Skyping, cover your camera. A simple piece of paper taped over it or a Post-it note is fine. This prevents your image (and what you are doing at that time) from being accidentally spread around the Internet.

It is also a good idea to disable voice recognition devices such as Siri, Cortana or Google so that no one can accidentally or intentionally listen in on your conversations.

WGN Channel 9 still has a regular feature where they 'surf' camera feeds and randomly talk to the people they encounter. Many are very surprised.



Anti-Virus Software

- Unless you are never connected to the Internet, you will be the target of many and varied attacks.
- These attacks range from simply looking at the contents of your hard drive to completely taking over your computer.
- There are malicious people that write programs called ‘worms’ that search for connected computers and then report back allowing some other program to try to exploit what was found.
- The best examples of ‘good’ worms are the search engines, especially Google and Yahoo. How do you think they come up with the lists they provide as the result of a search?

A good anti-virus program will block most, if not all, types of intrusions into your computer. There are many good anti-virus programs available. Some of them are free. I prefer either AVG or BitDefender but I have used both McAfee and Nortons.



Microsoft Automatic Updates

Windows 10 may be a great new operating system BUT the automatic updates can drive you whacko!

- Always install updates from Microsoft as these are usually designed to fix vulnerabilities that have just been discovered.
- By default, your computer is set to automatically download (and install) all important Microsoft updates. HOWEVER, they can become an annoyance. You can, however, reset the option to allow you to install the updates at your convenience. (See ‘Settings-Update & Security’ on the yellow handout.) If you do change this option, it is vital that you set a date each month where you will manually search for and install the updates. In general, Microsoft makes updates available the third Thursday of each month.
- Even computers running Windows XP receive periodic updates for installed Microsoft Office software along with a ‘Malicious Software Removal Tool’.

Updates For Other Programs

You should also install updates for your other programs as they are offered, especially for your browser.

HOWEVER, beware of any 'additional software' offers. (See below for an Adobe Update Offer.)

The screenshot shows a web browser window with the URL <https://get3.adobe.com/flashplayer/update/plugin/>. The page is titled "Adobe Flash Player" and displays the "Step: 1 of 3" update process. On the left, there's a large "f" logo for Flash Player. Below it, the text "Version 17.0.0.134" and "System requirements" are listed. Under "Your system:", it says "Windows, English". A question "Are you an IT manager or OEM?" is present. In the center, there's an "Optional offer:" section with a checked checkbox for "Yes, install the free **McAfee Security Scan Plus** utility to check the status of my PC security. It will not modify existing antivirus program or PC settings." Below this is a "McAfee® Security Scan Plus" button. To the right, under "Terms & conditions:", it states: "By clicking the "Update now" button, you acknowledge that you have read and agree to the [Adobe Software Licensing Agreement](#) and the [McAfee Security Scan Plus License Agreement](#)." At the bottom right, there's a yellow "Update now" button and the text "Total size: 18.18 MB".

Toolbars, Toolbars, Toolbars (argh!!)

Too many toolbars on your browser can make it unstable and very slow. Unless you have a very specialized toolbar for your work, you should have, at most, one.



A screenshot of a Windows Internet Explorer window displaying the homepage of the Retired Teachers Association of Chicago (RTAC). The title bar reads "Retired Teachers Association of Chicago - Windows Internet Explorer". The toolbar is heavily populated with various icons, including Bing, AVG, Facebook, and several others related to search engines and social media. The main content area features the RTAC logo on the left and a teal-colored central section containing the association's name, address, and contact information. The right side of the page lists the names and titles of the President and Executive Director.

Retired Teachers Association of Chicago - Windows Internet Explorer

File Edit View Favorites Tools Help

bing AVG rtac.org Search Safe Do Not Track Facebook

Favorites Retired Teachers Association of Chicago

The
RETIRED TEACHERS ASSOCIATION
of Chicago
111 N. Wabash Ave. Suite 2010
Chicago IL 60602-2949
Phone 312-750-1522 Fax 312-750-1502

To contact the Webmaster: Click [here](#).

David Peterson, President

Arlene Crandall, Executive Director

You have Cash waiting for you!

(OOPS – I mean cache not \$\$\$)

Have you ever gone back to a website that you visited a day or even a week before and found the same content even though you know it has been updated?

Unfortunately, if the content has changed, you may not get the new content because your browser is saving a copy of that website in memory (called cache) so it will load faster.

The solution is to clear your cache.
(But, keep me in mind if you want to clear your cash!)

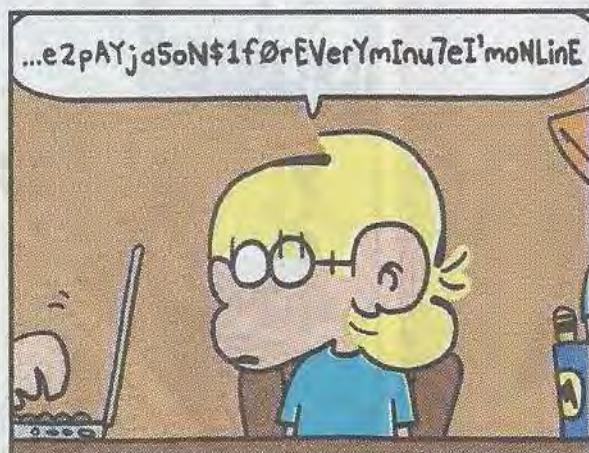
CLEARING YOUR CACHE

To clear your cache, go to a DIFFERENT web page and then tap
CTRL-SHIFT-DELETE (all at the same time)

This should get you a menu which will allow you to clear your cache and, optionally, your browsing history, download history and cookies.

Use a ‘strange’ password

FoxTrot By Bill Amend



For more password suggestions, see my article on page 8 of the March 2014 RTAC News Bulletin (at rtac.org/nb.html).

Yahoo Phishing

The screenshot shows an email client interface with several folders on the left: Rallye, Rtac.Email, Rtacalert, SFRoy, and IIT-R Coleman. The IIT-R Coleman folder is expanded, showing sub-folders like [Gmail] and All Mail (57). A red arrow points from the 'All Mail (57)' folder to the URL in the browser bar at the bottom.

The main window displays an email from 'E-mail service <sbedore14@apu.edu>' with the subject 'New Yahoo Update @ 2015'. The message body contains:

- 'Access Your Account'
- 'Our system detected an error in your account, we strongly advise you update your account to avoid account Suspension or De-activation.'
- 'Click [Here](#) to Sign in to resolve the error.'
- 'Thanks for your co-operation.'
- 'Account Operator.'

Red annotations are present in the email body:

- A red line starts from the word 'From' in the header and points to the text 'First hint - did it come from Yahoo? If not BEWARE!'
- A red line starts from the word 'Here' in the message body and points to the text 'Place your cursor here but DO NOT click!'
- A red line starts from the bottom of the 'Click Here' link and points to the text 'Look down here - is it a Yahoo address?'

The browser bar at the bottom shows the URL <http://bit.ly/1yjOWNf>.

Note that this target is NOT Yahoo.

Amazon Phishing

ACCOUNT ACTIVATION — WE NEED A SMALL BILL: WE HAVE A NEW SURVEY: — SOCIAL SECURITY FAIRNESS

From Amazon.Rewards@amasone.rewards.com

Reply Forward

Subject Your Rewards Certificate is Available

Look CAREFULLY
at the spelling!

To Office@rtac.org



Rewards Certificate for \$50

Dear Amazon customer, your \$50 rewards certificate is now available

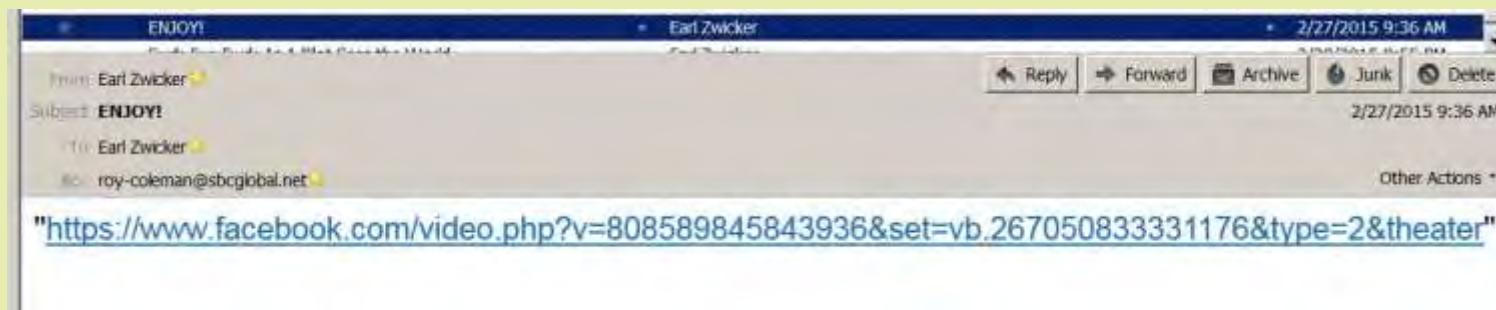
Please sign in using the following link to claim your rewards.

Get Your Rewards

Placing your
cursor here
gets you this

Protecting Yourself When Opening E-mails

Be very cautious when opening e-mails, especially if they do not have anything in the ‘Subject’ line and/or only have a single line that is a link.



Protecting Friends When You Send Multiperson E-mails

Whenever you send an e-mail to multiple people PLEASE follow these guidelines:

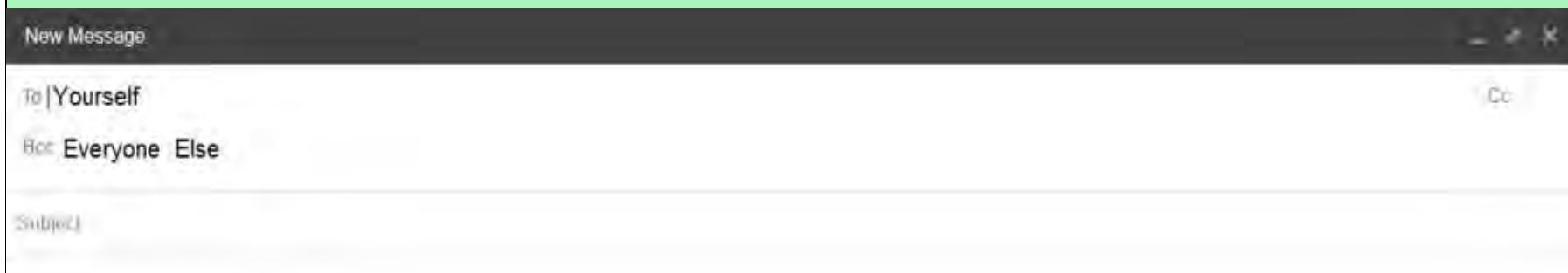
- Put YOUR OWN name in the TO: field.
- Add everyone else's e-mail in the BCC: field.
- If you are sending someone a link, clearly explain what the link is taking them to and what they should see there.

There are two reason for this:

1. If ANY of the people in the TO: field has an infected e-mail system, the infection could send itself to ALL of the names on the list. Using BCC: hides the e-mail addresses from the recipients and from any malware or infections that may be hiding on one or more of their computers.
2. You will receive your message back indicating that it has been sent successfully.

Protecting Friends When You Send Multiperson E-mails

In Gmail



In Thunderbird



How to Avoid Disaster

(like a data loss or disk crash)

BACKUP YOUR DATA!

BACKUP

BACKUP

BACKUP

BACKUP

and set a restore point-

See the 'How To' (blue) handout

How to Avoid Disaster

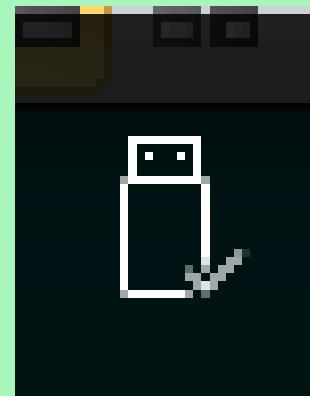
(like a data loss or corrupt flash drive)

ALWAYS eject a flash drive and wait for the computer to tell you it is ok to remove!

For Windows 7 or 8 it looks like this



Windows 10 looks like this



Windows 10 makes it easier to find and change many of your security settings.

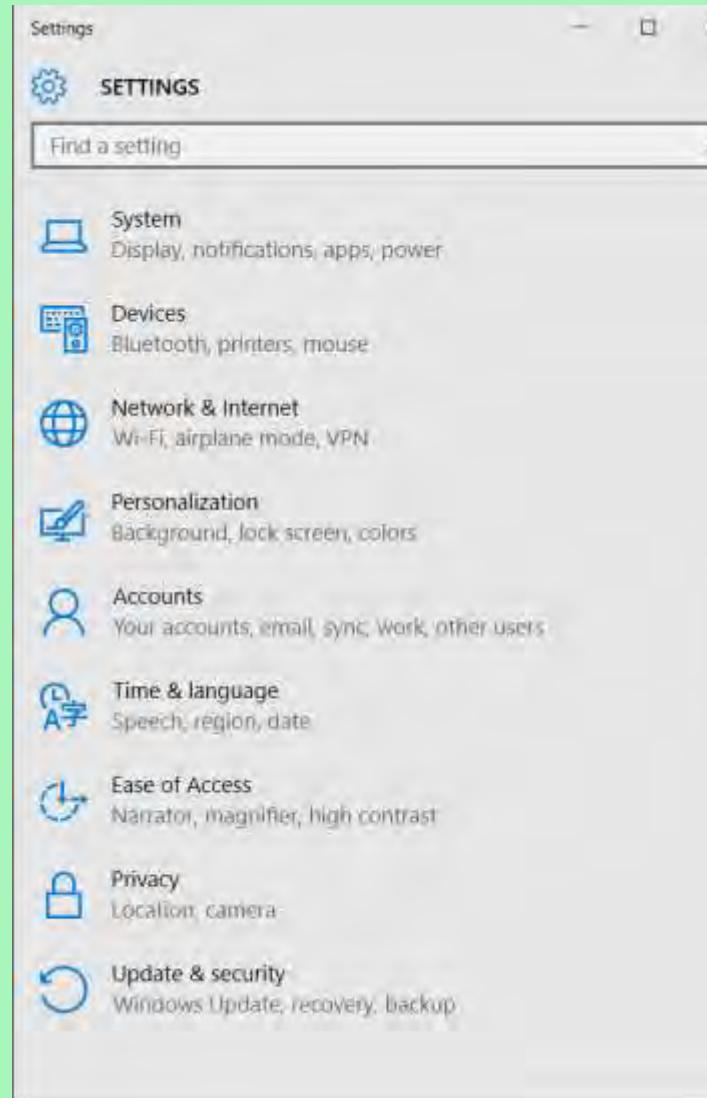
Clicking on the ‘Start Window’ in the lower left



will get you a list that includes ‘Settings’.

When you click on ‘Settings’ you should get a popup that looks like the one to the right.

For my personal choice of settings, see page 1 of the yellow handout.



More ways to make Windows 10 friendlier

(See page 2 of the yellow handout)

Cortana

Do you really want your computer listening to you all the time?

You and your browser



Microsoft's new Edge



Microsoft's Internet Explorer



Mozilla's Firefox



Google's Chrome

You and your e-mail



Microsoft's Outlook



Google's Gmail



Aol



Mozilla's Thunderbird

What's Next?

- Cell phone tracking
- Smart phone hacking (Android, Windows and IOS-Apple)

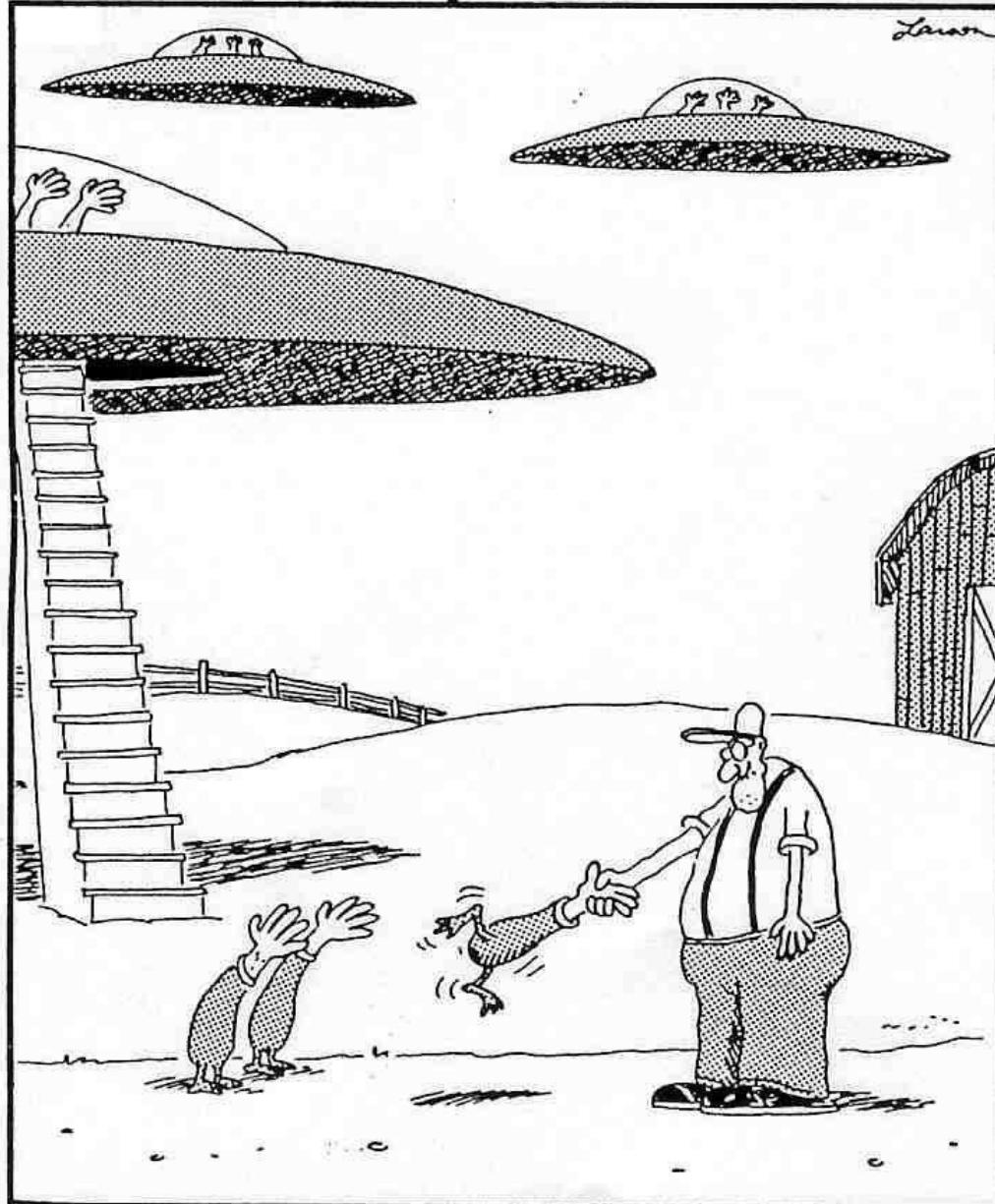
(<http://www.cbsnews.com/news/60-minutes-hacking-your-phone/> - originally broadcast 4/17/16)

- Smart card piracy
- Automobile hacking
- Apple Mac's and Linux

If that didn't scare you ---

The next slide might!

My claim to fame in
FarSide



Inadvertently, Roy dooms the entire earth to annihilation when, in an attempt to be friendly, he seizes their leader by the head and shakes vigorously.



I hope your future computing is safe and enjoyable.
Thank you for being here.