



Windows 10 & PC Security Workshop



Presented by
Roy Coleman
April 20, 2016

Cover Your (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.

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.



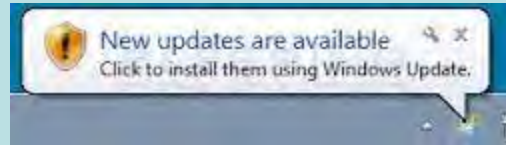
Anti-Virus Software

- 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

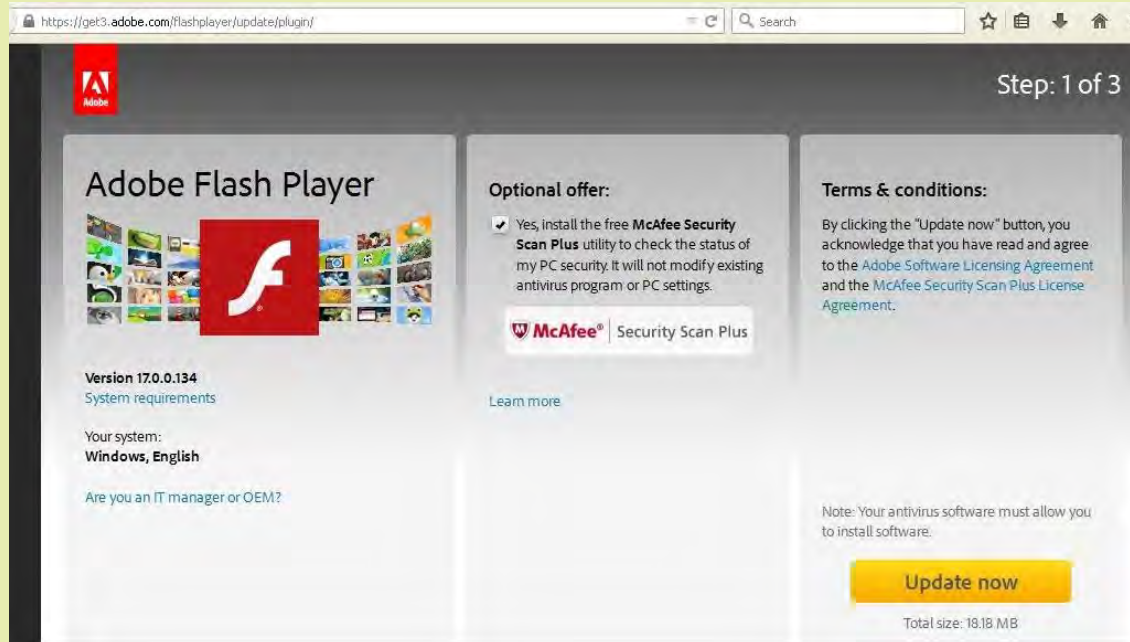


- Always install updates from Microsoft as these are usually designed to fix vulnerabilities that have just been discovered.
- Your computer should be set to automatically download (and install) all important Microsoft updates. (The handout gives you a couple of ways to determine if your computer is set to receive automatic updates.)
- 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.)

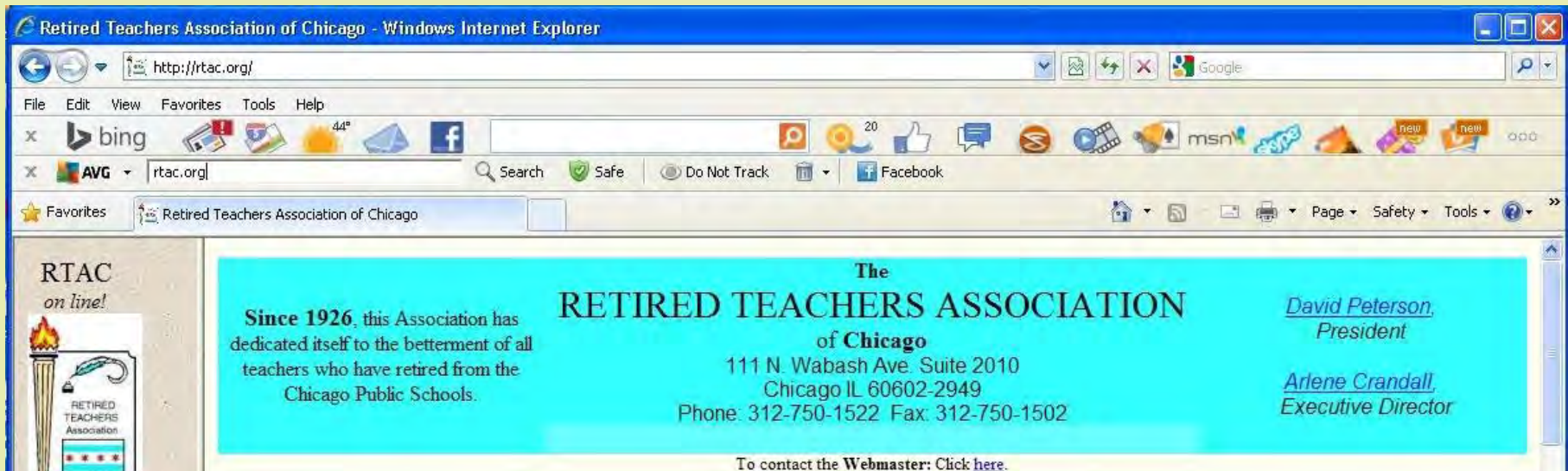


The screenshot shows a web browser window with the URL <https://get3.adobe.com/flashplayer/update/plugin/>. The page is titled "Step: 1 of 3" and features the Adobe logo in the top left corner. The main content is divided into three columns:

- Adobe Flash Player:** Displays the Adobe Flash Player logo and version information: "Version 17.0.0.134" and "System requirements". Below this, it states "Your system: Windows, English" and includes a link "Are you an IT manager or OEM?".
- Optional offer:** Contains a checkbox that is checked, with the text: "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 the McAfee Security Scan Plus logo and a "Learn more" link.
- Terms & conditions:** 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." Below this is a note: "Note: Your antivirus software must allow you to install software." At the bottom of this column is 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.



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!)

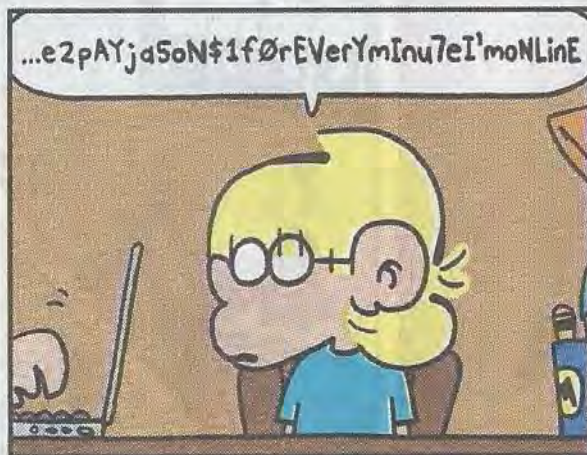
CLEARING YOUR CACHE

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

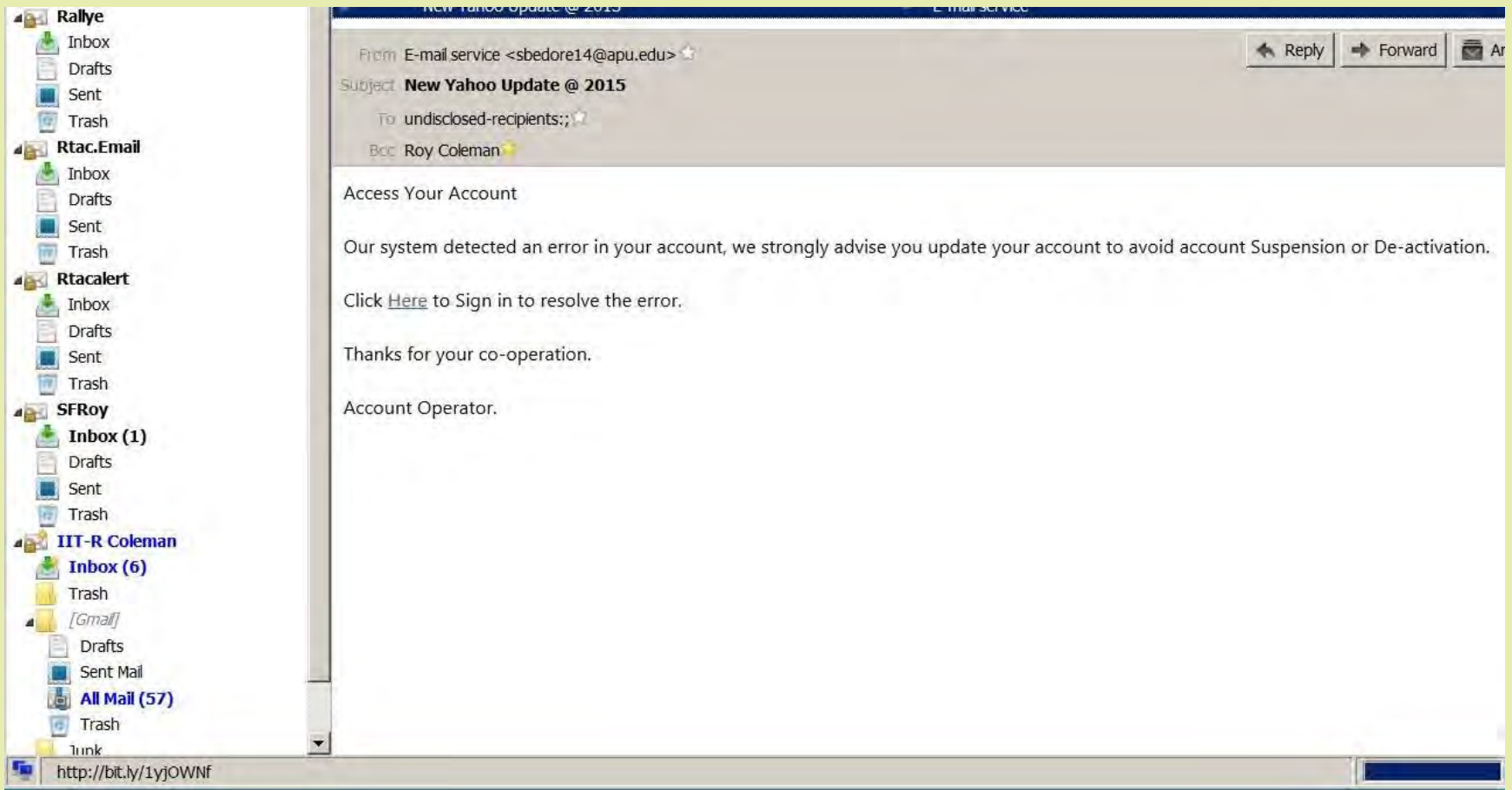


www.foxtrot.com twitter: @billamend

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

Yahoo Phishing



Note that this target is NOT Yahoo.

Chase Phishing

Rallye
Inbox
Drafts
Sent
Trash

Rtac.Email
Inbox
Drafts
Sent
Trash

Rtacalert
Inbox
Drafts
Sent
Trash

SFRoy
Inbox
Drafts
Sent
Trash

IIT-R Coleman
Inbox (20)
[Gmail]
Drafts
Sent Mail
All Mail (64)
Trash
Junk
Trash

From: Chase Online <vaterry@uncg.edu>
Subject: **Security Alert: Online Access Restricted**
To: undisclosed-recipients;;
Bcc: Roy Coleman

To protect your privacy, Thunderbird has blocked remote content in this message.

Your Chase Bank Account is under review

Chase Bank is reviewing some costumers account for possible Fraudulent & unpaid bills. The balance for your checking & saving account has reached reviewable level (uncharged & un-deducted billing). Your account should be verify today.

This information is accurate as of 10/03//2015 03:44:12 CST. You are required to, [sign on](#) and verify your account informations.

[Continue To Chase Bank Online Verify Form](#)

If you have questions, Chase Online Customer Service is available 24 hours a day, 7 days a week.

[chase.com](#) | [Fraud Information Center](#)

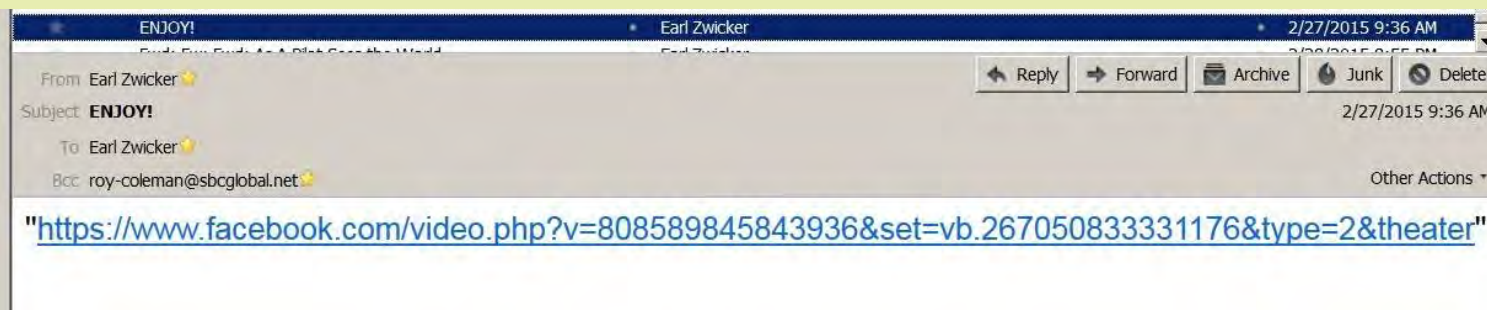
Thank you,
Chase Bank , Billing Department.

<http://beautifyams.theimagestore.biz//wp-content/plugins/Chase/New folder/index.htm>

Note the start of the URL target is NOT Chase.com.

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:

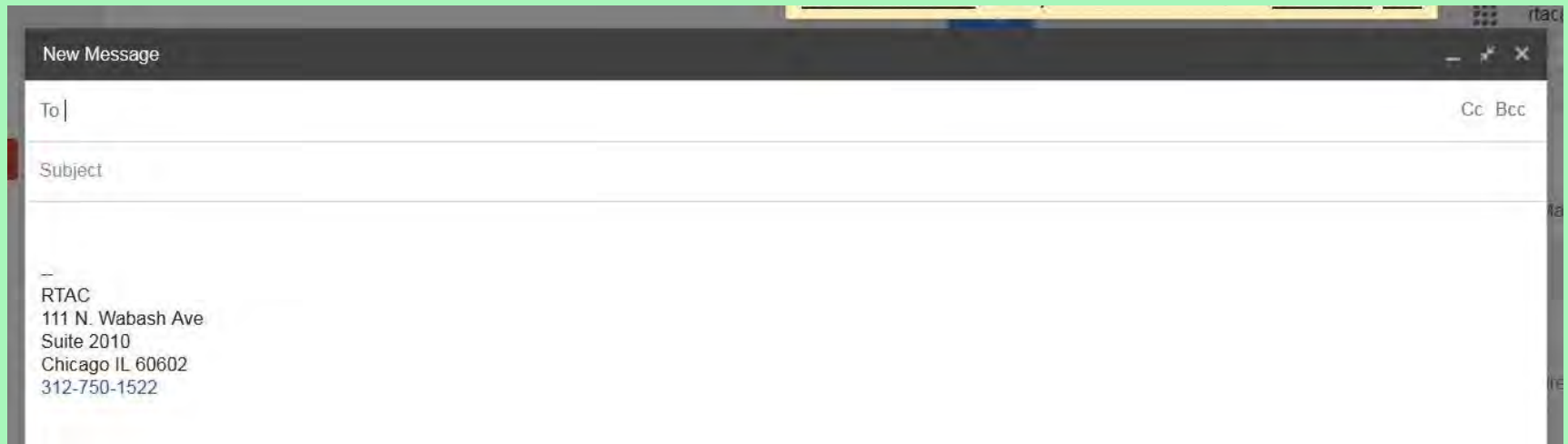
- Put YOUR OWN name in the TO: field.
- Add everyone else's e-mail in the BCC: field.
- If you are sending a link to something, clearly explain what the link is taking them to and what they should see there.

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)

How to Avoid Disaster

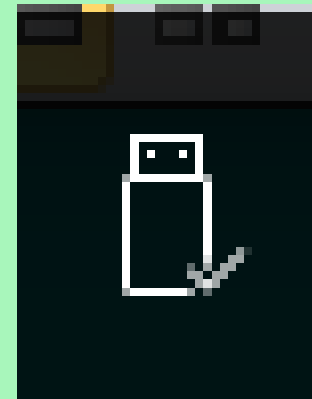
(like a data loss or corrupt flash drive)

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

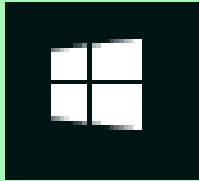


Windows 10 looks like this



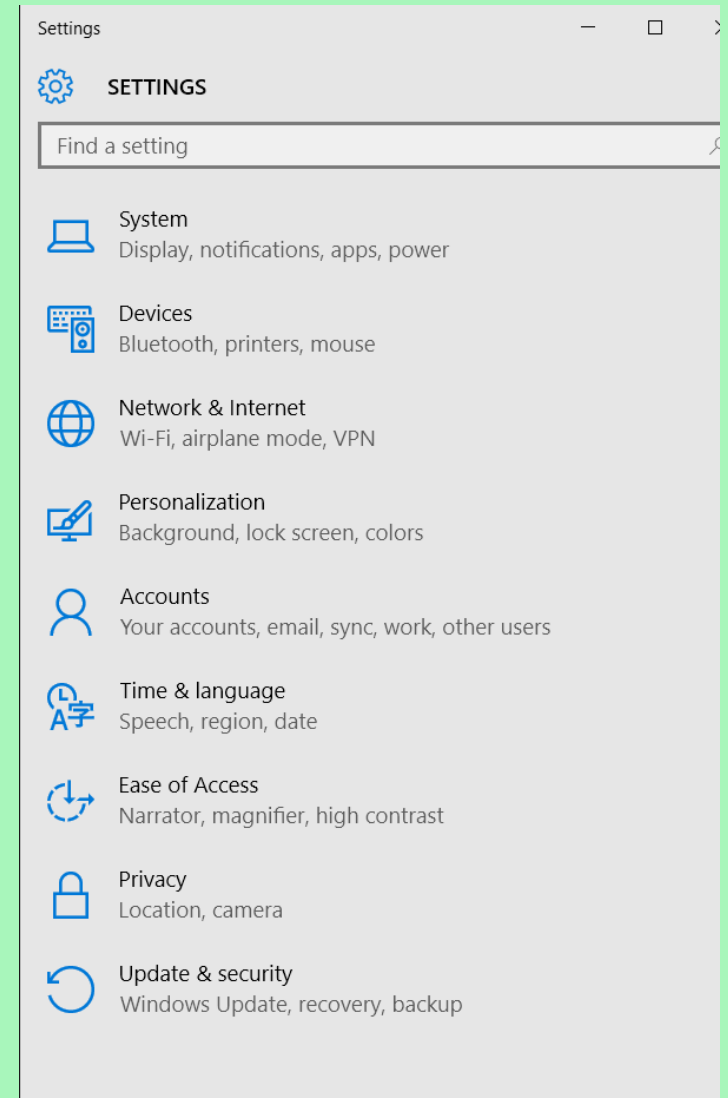
Windows 10 makes it easier to find and change many of your security settings.

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.



More ways to make Windows 10 friendlier

(See page 2 of the handout)

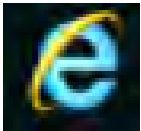
Cortana

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

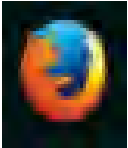
You and your browser



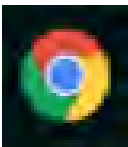
Microsoft's new Edge



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)

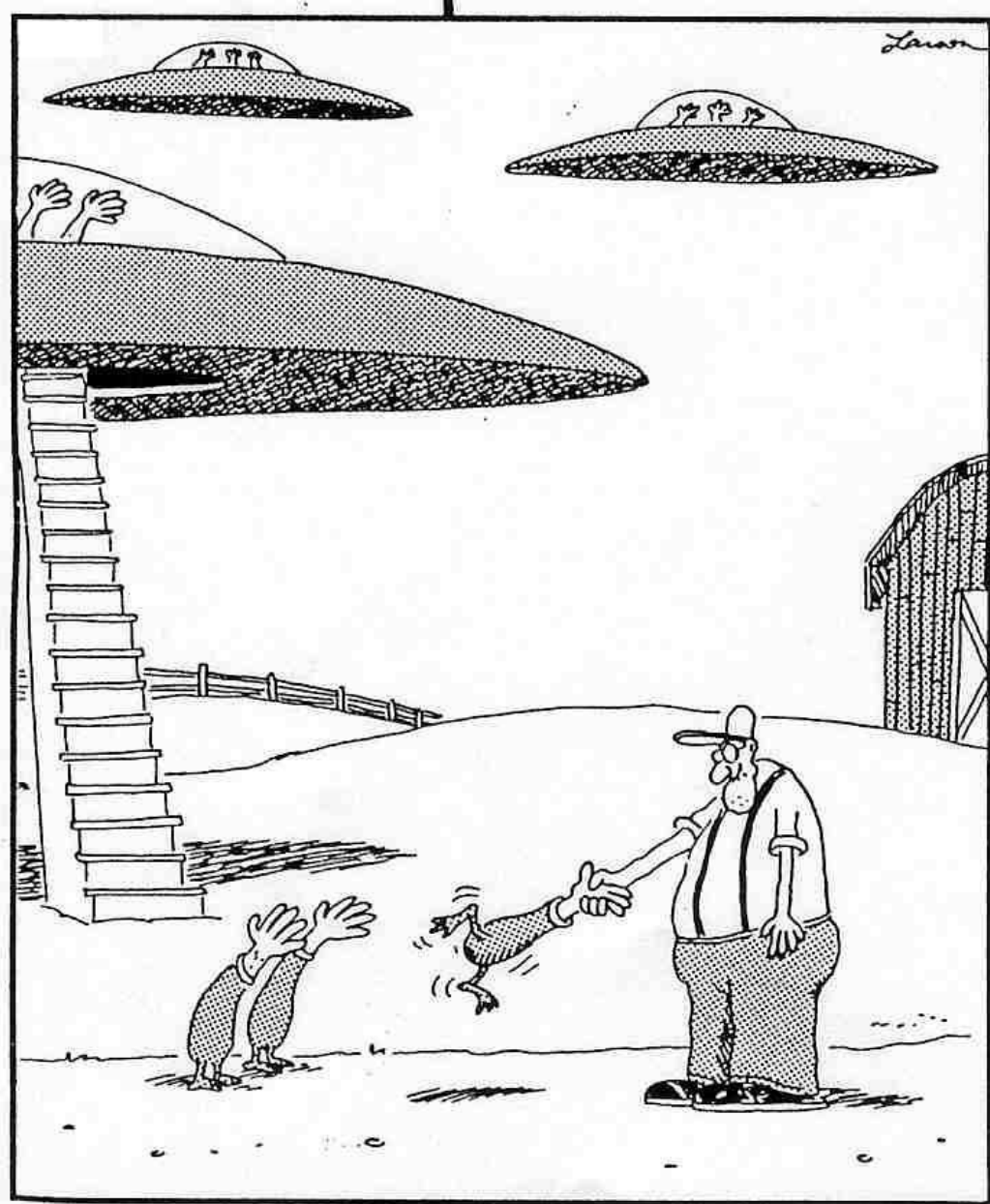
(<http://www.cbsnews.com/news/60-minutes-hacking-your-phone/> - originally broadcast 4/17/16)

- 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.



That's all Folks!

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