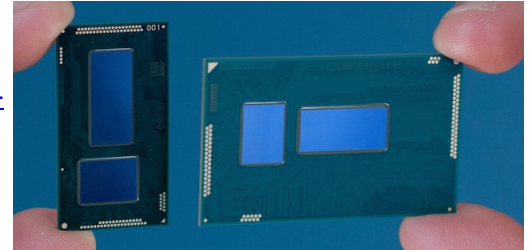




## Intel Core M: What's So Special?

The Intel Core M was unveiled in September 2014. It was targeted specifically at ultra-mobile devices, including laptops and the burgeoning 2-in-1 sector of products that [combine laptop and tablet functionality](#).



Core M is the first processor from Intel based on its [14nm Broadwell architecture](#).

The new 14 nanometer processor (compared to the old 22nm) produces transistors that are considerably smaller than in other chips. The smaller transistor size enables the entire processor to be physically smaller, which in turn reduces the amount of power needed to activate each transistor. The lower power usage means less heat is generated. These three points make up the essential parts of the Core M processor.

It is 50 percent smaller than a fourth generation Intel Core processor, and has a TDP (Thermal Design Power, or the [amount of power a CPU dissipates to prevent overheating](#)) 60 percent lower. Intel says that Core M offers [double the battery life](#) of a typical four-year old laptop, and 1.7 hours more than a system based on a previous generation i5.

However, that's not to say that a Core M system is set to replace an i7 powerhouse. Core M rests in between the high-end Core Series of processor that incorporates the [Haswell](#)-based i3, i5 and i7, and the low-end Atom range that features mostly in [budget tablets](#).s. This is a big deal because there are *1.3 billion* transistors in a dual-core Core M processor.

Subsequent generations of the Core Series processors will also be based on the Broadwell architecture, which should bring the performance benefits to high-end systems.

### Key Points

- Designed for laptops and mobile devices
- Low power usage enables it to be used in fanless products which, in turn, can be much thinner — less than 9mm
- Part of the Broadwell family of processors, but performance is not comparable to i3, i5 or i7 equivalents  
Available in dual-core versions, with Intel HD 5300 graphics

### Which Devices Use Core M?

As expected from such a major new product the Core M has already been adopted by many manufacturers including Apple, HP, ASUS and Lenovo.

Read much more about the 'M' processor at: <http://www.makeuseof.com/tag/intel-core-m-whats-great-processor/>

**If the world was a logical place, men would be the ones who ride horses  
sidesaddle.**

\*\*\*\*\*

**They told me I was gullible ...and I believed them.**



# Minutes of June 16th 2015 Meeting

President, Joe Cavallaro opened the meeting at 7 P.M. at Godfather's Pizza on 30th & West Broadway with 15 members present. Secretary, Lynn Fehr read the minutes of the past meeting followed by Treasurer, Mary Alice Fehr reading the latest Treasury Report. Both accepted as read with no comment or correction.

## Ten Dollar Gift Card

Mary Alice Fehr was the lucky winner of the \$10.00 Godfather's gift card.

## Several members / Health Problems

We got notice at the last minute from Bruce that he was in the hospital with a sudden health problem and unable to attend the meeting or offer the Demo.

Dee Hindman fell in her home and injured her spine and was unable to attend.

David Lee has been hospitalized and just recently released and was able to attend this meeting. We pray for complete recovery for all involved.

## Summer Picnic & Auction

Joe announced that the summer picnic and auction was scheduled to be held at the Patio of the Manawa Fish & Game location on Saturday, August 22. That area is a 'first come—first served' spot and Mary Alice and Lynn have volunteered to 'homestead' it from early morning for the Club. Nice gesture folks... much appreciated! Since all the shelters were already spoken for, the club decided it might be wise for us to reserve Shelter #6 (if available) for NEXT Summer, during August. Joe was to look into that.

## Christmas Party

The Christmas Party is scheduled to be held at New Horizon Church on Valley View on December 12th from 1-5 p.m. Details will be worked-out at following meetings.

## Windows 10

Much discussion took place about Microsoft's new operating system, Windows 10. With no demo for the evening, we entertained a fruitful open discussion period about '10', and other topics of interest. A good old fashioned 'bull session' ensued and was enjoyed by all.

## July 21st Demo

Bruce will (hopefully) be offering the demo at the July meeting, covering his experiences with the very popular hobby, 'Geo Caching'.

## Stick-Around Drawing

The Stick-Around drawing was for \$13.00 and was split between our Treasury and lucky Lynn Fehr, \$6.50 each.

## Adjourned

With no further business to conduct or additional discussion, the meeting was officially adjourned at 8:04 P.M.

*Minutes recorded by Secretary, Lynn Fehr 6/16/2015*

# HELPFUL EXPLANATIONS

Editor's Note: There are many 'live links' on this page, and elsewhere in this newsletter. Take advantage of them while online and 'travel the net' for additional information with a single click!

## [File Storage Encryption](#)

File storage encryption is just the encryption of stored data, usually for the purpose of protecting sensitive information from being viewed by people who shouldn't have access to it.

Encryption puts files into a password protected and scrambled format called *ciphertext* that's not human-readable, and therefore can't be understood without first decrypting them back into a normal readable state called *plaintext*, or *cleartext*.

[More on File Storage Encryption](#)

## [Mirror Image Backups](#)

A [backup program](#) or [online backup service](#) that creates a mirror image backup is one that backs up *everything* on the computer, without reservation - including the installed software, personal files, [registry](#), etc. - and consolidates it to just a few files.

Because of the size of mirror image backups, they are generally stored on external hard drives, network drives, or other internal [drives](#), but sometimes DVD or BD discs are used.

[More on Mirror Image Backups](#)

## [File Transfer Encryption](#)

Encrypting data as it moves from one device to another is called file transfer encryption.

File transfer encryption helps prevent someone, who may be listening or gathering information during a data transfer, from being able to read and understand what's being transferred.

This kind of encryption is accomplished by scrambling the data into a non-human readable format, and then decrypting it back to a readable form once it has reached its destination.

[More on File Transfer Encryption](#)

## [Offline Restore](#)

Some [online backup services](#) offer a feature called offline restore which is an option where the backup company *physically* sends your previously backed up files to you on a storage device.

Offline restore is almost always an added cost, charged only if and when you might need to use the feature.

[More on Offline Restore](#)

## [How To Recover Deleted Files](#)

# Apple is Catching-up with Windows



## ‘SNAP’ feature being added to El Capitan

Apple’s recent announcement that the upcoming OS X release (El Capitan or 10.11) will finally, at long last, come with the ability to snap windows to your screen edges. A feature [Windows users have enjoyed since 2009](#).

If you’re a Mac user who has no idea what we’re talking about, then let’s review. When Microsoft released Windows 7, it introduced its Snap feature, which lets users simply grab and drag a window to a screen edge and “snap” it there.

So for example, if you drag a window to the right edge, it will snap there and resize to half the screen’s width. If you drag it to the top, it will snap there and expand to maximum.

Apple has resisted adding this feature, which may not matter much to Mac users who really don’t know what they’re missing, but may feel curiously absent for switchers and people who use both systems. This is set to change with the aforementioned El Capitan release, but for OS X users who can’t upgrade to 10.11, or simply want to have snap powers right now, we want to suggest a solution: Window Tidy.

### Super Charged Snapping

[Window Tidy is an app available for download in the Mac App Store](#). It’s \$7.99, which might seem like a lot for something that will be free in the next release but we think that the extra features really make the price a secondary consideration. Especially again, if you’re not on track or not planning on upgrading to El Capitan.

### Customer Review

Incredibly useful app

by Zac Sponge

I use this app every day. It is incredibly useful in resizing any window.

It is invaluable when trying to compare two windows side by side, or maximizing one window to full screen.

This should be built into every Mac, but until then Windows Tidy is the only way to go.

## Is Windows 10 Backwards Compatible With Your Existing Software?



Microsoft's Windows 10 seems like a big change. The version number alone is a big leap from Windows 7, and most of the default apps are new-style "universal apps," not traditional desktop apps.

But, if you depend on traditional Windows desktop applications, you shouldn't worry. Don't let Windows 10's new look fool you — if an application ran on Windows 7, it should also run on Windows 10.

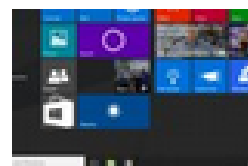
### Under the Hood, It's Similar to Windows 7 and 8

Yes, [Windows 10](#) can run traditional Windows desktop applications. Windows 10 is very similar to Windows 8 under the hood, and Windows 8 was very similar to Windows 7. There are no huge application security model or driver architecture changes, as there were when moving from Windows XP to Windows Vista, or Windows XP to Windows 7.

In other words, if it runs on Windows 7 or 8, it's almost guaranteed to run on Windows 10.

Yes, Windows 10 includes a whole new application model, but traditional Windows desktop applications run side-by-side with those new applications.

#### RELATED ARTICLE



**Windows 10 Is Almost Here: Here's What You Need to Know**  
Windows 10 will be released on July 29, 2015. Microsoft is already advertising it to Windows 7 and 8.1 users... [\[Read Article\]](#)

**“A pessimist sees the difficulty in every opportunity; an optimist sees the opportunity in every difficulty.”  
.....Winston Churchill**

# What Exactly is this Thing Called Malware?

*You've probably heard the term malware before, but what exactly is it? Is malware the same as a virus or is that different? How do you remove, or better yet protect yourself from, this thing called malware?*

## Malware 101



Tim Fisher  
PC Support Expert

Malware, a shortened combination of the words **malicious** and **software**, is a catch-all term for any sort of software designed with malicious intent.

That *malicious intent* is often theft of your private information or the creation of a back-door to your computer so someone can gain access to it without your permission. However, software that does *anything* that it didn't tell you it was going to do could be considered malware.

Malware is sometimes called *badware* and is often used synonymously with many of the common types of malware, like viruses, spyware, worms, rootkits, etc.

See [What is Malware?](#) for *lots* more, including more on those types of malware, how malware infections occur, the best way to remove them, and how to protect yourself from malware infections.

Remember too that my [About.com PC Support](#) site is full of self-help troubleshooting guides, resources, tips, and other helpful information. You can also keep up with the latest computer and tech information by following me on [Facebook](#), [Twitter](#), and [Google+](#)!

### [20 U.S. Government Websites You Need to Know About](#)

- [Find More Games Like Temple Run](#)
- [Range](#)
- [Bitcoins: What's the Big Deal?](#)
- [Will a Data Recovery Program Undelete Anything Ever Deleted?](#)
- [Use The Menu Bar to Select Audio In and Out Sources for Your Mac](#)
- [Install OS X El Capitan Using A Bootable USB Flash Drive You Create](#)
- [Top 10 iPad Racing Games for Virtual Speed Demons](#)

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[jcavallaro@cox.net](mailto:jcavallaro@cox.net)

For more details or other information call: 402 915 3182