

2013 Technology Update

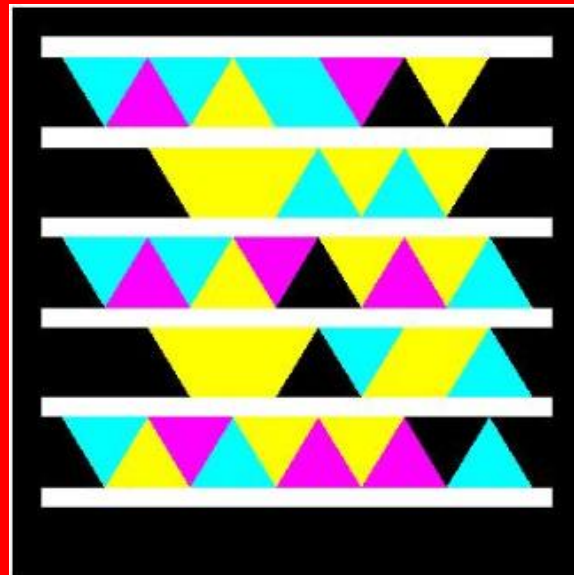
J. Carlton Collins



Objectives

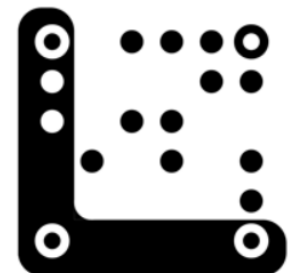
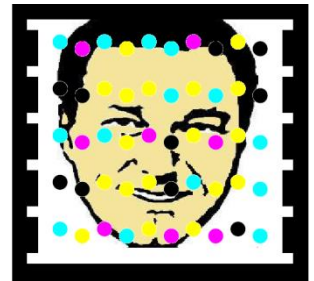
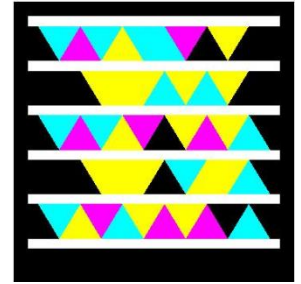
1. Microsoft Tag
2. Smartphone Apps
3. Solid State Drives
- 4. UltraBooks**
- 5. Windows 8**
6. Google Glasses
- 7. Privacy**
8. Latitude
- 9. Office 2013**
10. NFC & Tap and Do
- 11. Bit Coin**
12. 3D Printing
13. Saw Stop
- 14. Cloud**
15. Speech Recognition
16. YouTube
17. Ted talks & Distance Learning
18. 500 Pages of Tips

Microsoft Tags



Microsoft Tags/QR Codes

1. Everyone has a barcode scanner in their pocket
2. Works like a bar code using free Smartphone tag scanning app
3. Demo - Make your own Tag(s) for free (tag.microsoft.com)
4. Links to your web site, text, phone number, vCard, or app download
5. Option allows you to set tags to expire
6. Make custom tags from any design
7. You can later edit a Tag, but not a QR code
8. Reports show you tag traffic
9. See a tag in action
10. [Tag success stories](#)
11. JagTags send text message - a smartphone is not required...



Smartphones Tablets & Apps



Smartphones

Detailed Comparison of Smartphones by features:

http://en.wikipedia.org/wiki/Comparison_of_smartphones

Smartphone Apps Demonstration

1. Tag Reader
2. Text Message (Using Voice)
3. Navigation (Using Voice), with Turn-by-Turn Directions
4. Traffic
5. Wells Fargo App
6. CVS App
9. Gas Buddy
15. PriceCheck
4. Camera, Pictures to FB or EverNote
8. DropBox
10. Open Table
11. Maps
12. TripIt
13. YouTube
14. Google Search
16. Drudge Report
17. Exit
18. EverNote
19. Mobile Hotspot
20. Flashlight
21. SkyMap
22. Compass
23. Decision Making Tools
24. Piano
25. E-Mail
26. Docs, Calendar, More
27. Apps Store
28. Radar Now
29. Connect Wi-Fi
30. GolfShot

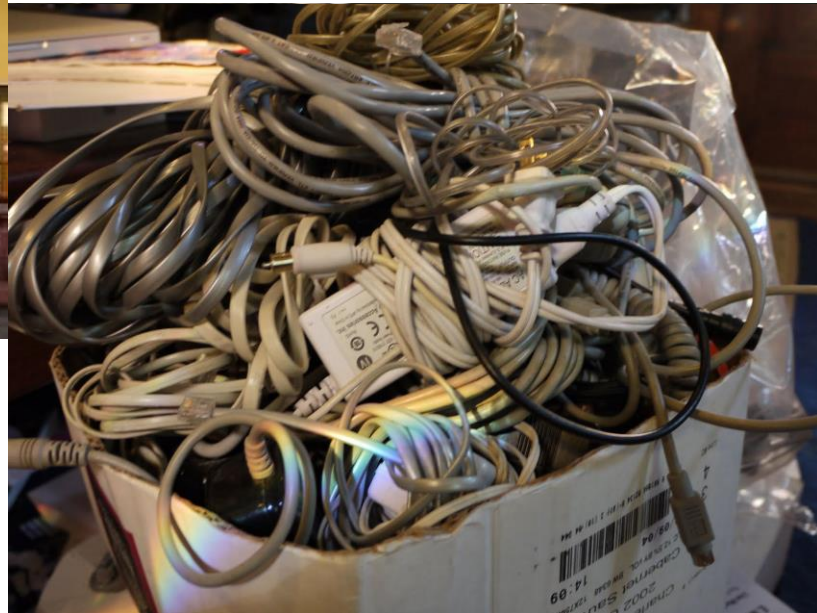
Smartphone - Recommended Accessories

1. Recharger – Office
2. Recharger – Home
3. Recharger – Car
4. Recharger – Luggage
5. Ear Piece (Bluetooth)
6. Headphones for Office use
7. Boom Microphone
8. Speakers
9. Protective Case – Otter Box
10. Cigarette Converter
11. Docking Station
12. Dash mount
13. Motorcycle Headphones





Any Hotel Lost and Found



Choosing A Smartphone

1. Start with best provider in Your Locality.

- Verizon Wireless (111.3 million)^[1]
- AT&T Mobility (105.2 million)^[2]
- Sprint Nextel (56 million)^[3]
- T-Mobile USA (33.168 million)^[4]
- TracFone Wireless (21.3 million)^[5]
- MetroPCS (9.3 million)^[6]
- Cricket Wireless (5.9 million)^[7]
- U.S. Cellular (5.8 million)^[8]

2. Chose a 4G option

Usually \$0 to \$200 with contract.

Solid State Drives



Solid State Drives (SSD)

1. No Moving Parts, Much Faster, Less Susceptible to Damage
2. No spin up time – so almost immediate results
3. Uses far less energy
4. Fragmenting not an issue
5. 10 times more expensive (\$1-\$2 /GB vs \$10-\$20/GB)
6. HDD 5600, 7200, 10,000, 15,000 RPM
7. Performance degrades over time.
8. Limited life span???

(Only 2 Million hours)

9. [SSD Video](#)

9. Hybrid drives



SAMSUNG
★★★★★ (33)
 Compare

SAMSUNG 840 Pro Series MZ-7PD128BW 2.5" 128GB SATA III MLC Internal Solid State Drive

- 2.5"
- 128GB
- SATA III

~~\$199.99~~
\$142.99
Save: 29%



SanDisk
★★★★★ (10)
 Compare

SanDisk Extreme SDSSDX-480G-G25 2.5" 480GB SATA III Internal Solid State Drive (SSD)

- 2.5"
- 480GB
- SATA III

from **\$369.99**

Touchscreen UltraBooks



Touchscreen Ultrabooks

- Touchscreen Ultrabooks (TUs) offer both touchscreen and keyboard/mouse interfaces.
- Touchscreen Ultrabooks are thin, lightweight, fast booting, and usually larger than tablet PCs.
- Some TUs can be split, so the monitor portion can be used as a tablet.
- Windows 8 supports both application interfaces.

Examples of Touchscreen Ultrabooks

As of November 10, 2012



Lenovo - Yoga IdeaPad Ultrabook 13.3"...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$999.99



HP ENVY 4 Touch-Screen Ultrabook 14"...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$749.99



Acer - Ultrabook 14" Touch Screen Laptop ~...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$729.99 ↘



Acer Aspire S7-391-9886 13.3-Inch...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$1,649.99 ↗



Samsung - Ultrabook 13.3" Touch-Screen...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$849.99



Samsung - Touch-Screen Ultrabook 13.3"...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$849.99



Sony VAIO SVD112190X Standard Black 11.6"...

☆☆☆☆☆ | [Write a review](#)



See All-Time Ratings

As low as
\$1,099.99 ↗



Toshiba Portege Z935-ST3N01 Silver 13.3"...

☆☆☆☆☆ | [Write a review](#)



Fewer Than 10 Reviews

As low as
\$829.99 ↗



Asus ZENBOOK UX31A-DH51 13.3" Ultrabook ~...

☆☆☆☆☆ | [Write a review](#)

Sold by 17 Merchants

As low as
\$1,034.99 ↘



Toshiba Satellite U945-S4380 14" LED...

☆☆☆☆☆ | [Write a review](#)

Sold by 13 Merchants

As low as
\$649.99 ↘



Asus ZENBOOK UX31A-DH71 13.3" Ultrabook ~...

☆☆☆☆☆ | [Write a review](#)

Sold by 15 Merchants

As low as
\$1,399.00 ↘



Acer Aspire S7-391-53314G1... 13.3" LED...

☆☆☆☆☆ | [Write a review](#)

Sold by 6 Merchants

As low as
\$1,329.99 ↗

Windows 8



Examples of Windows 8 Screens

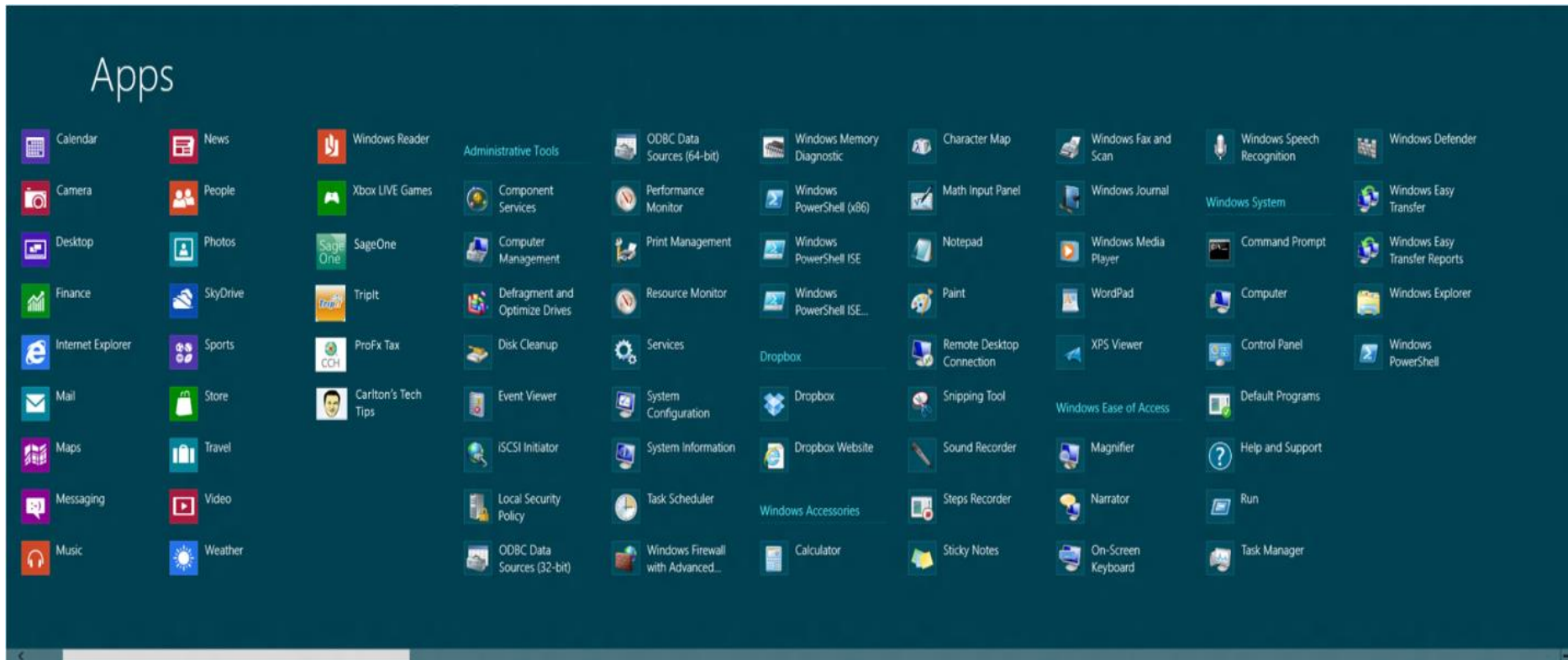


Windows 7 Style Desktop



Touchscreen (Modern U/I)

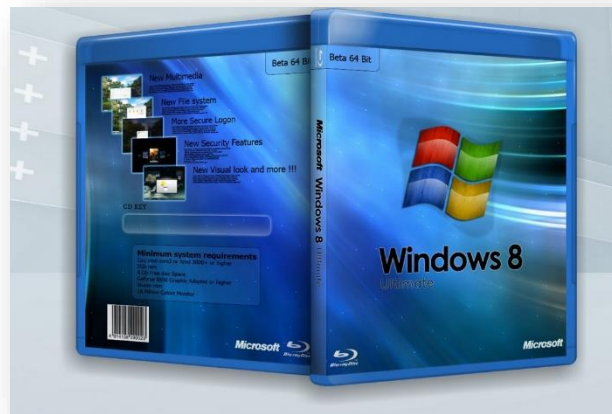
Examples of Windows 8 Screens



Installed Apps Screen

Key Windows 8 Enhancements

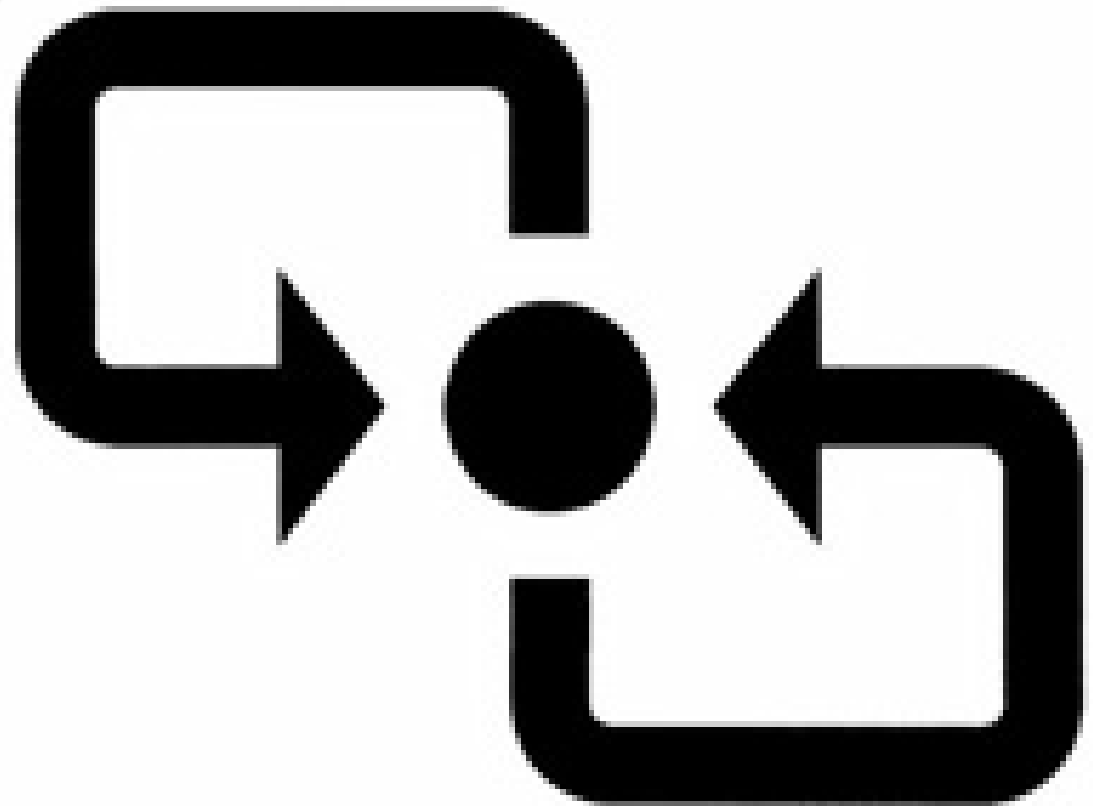
1. New touchscreen user interface
2. Faster boot-up
3. Tap and Do
4. Windows To Go
5. USB 3.0
6. Installed apps include
 - a. Microsoft Mail
 - b. Calendar
 - c. SkyDrive
 - d. Photos
 - e. People
 - f. Messaging
 - g. Video
 - h. Music.
7. SkyDrive
8. Wireless sensing
9. Longer battery life
10. Improved Wi-Fi
11. Windows Store, similar to Apple's App Store
12. File History
13. Picture password



Faster boot-up



Tap and do



Windows To Go




















Improved WiFi





New releases 72 apps

Windows Store

 Pirates Love Daisies ★★★★★ Games Free	 Elements Weather Forecast ★★★★★ News & weather Free	 msnbc.com ★★★★★ Free
 CookBook ★★★★★ Food & dining Free	 PhotoVault ★★★★★ Photos Free	 Pinball FX ★★★★★ Free
 USA TODAY ★★★★★ News & weather Free	 PuzzleTouch ★★★★★ Games Free	 Finance ★★★★★ Free
 Wordament ★★★★★ Games Free	 Hive Mind ★★★★★ Games Free	 SigFig Por ★★★★★ Free
 News Republic ★★★★★ News & weather Free	 Endomondo ★★★★★ Health & fitness Free	 Biological ★★★★★ Free
	 YouCam ★★★★★ Tools Free	 SlapDash ★★★★★ Free

Picture Password

Welcome to picture password

Picture password is a new way to help you protect your touchscreen PC. You choose the picture -- and the gestures you use with it -- to create a password that's uniquely yours.

When you've chosen a picture, you "draw" directly on the touchscreen to create a combination of taps, straight lines, or circles. The size, position, and direction of your gestures become part of your picture password.

Choose picture



Windows Key

Pressing the Windows key toggles between the Modern Start screen, the last-run Modern app, and the classic Windows 7 Desktop view.

Windows + C

Displays the Charm Bar .

Windows + D

Launches the classic Windows 7-style Desktop view.

Windows + E

Launches a Windows 7-style Explorer window.

Windows + F

Opens the File Search pane.

Windows + H

Opens the Share pane.

Windows + I

Opens the Settings pane (tiles, volume, brightness, power off, etc.).

Windows + K

Opens the Devices pane.

Windows + L

Locks your computer or device.

Windows + P

Displays Windows 8 on a second screen (when available).

Windows + Q

Opens the global search utility.

Windows + R

Displays the Run box.

Windows + U

Displays the Ease of Use utilities (Narrator, Magnifier, and more).

Windows + W

Instantly searches for settings.

Windows + X

Displays the Power Users menu.

Windows + Z

Displays the App Bar in the Modern view.

Windows + 1, Windows + 2, and Windows + 3

Opens the first, second, and third (and so on) open apps in the classic Windows Desktop, respectively.

Windows + F1

Displays Windows Help and Support.

Windows 8 Shortcuts

Google Glasses



Google Glasses

Fantastic or Really Creepy?

In 2013, Google announced **Google Glasses** (\$1,500), a set of eye glasses you wear on your face like regular glasses that use a built-in smartphone, video camera and microphone to capture everything you see and do. It's like wearing a miniature running camcorder on your face continuously. You could use these to create a **Video Journal** much like **GoPro** does.

<https://www.youtube.com/watch?v=V3SAS1xpQw0>

Google Glasses also have a voice active smartphone built in so you can make phone calls or search the web, and the results are displayed on the glass for one eye to see.

With this announcement, at the same time, Google has introduced amazing break-through technology with many possible benefits, and at the same time really creepy technology invasion of privacy technology.

The Bad

1. You could watch the football game in your right eye while pretending to listen to your wife talk.
2. You could cheat on a test in school by displaying answers in your glasses.
3. You could boot leg a movie at the movie theater.
4. You could secretly record your first date with an unsuspecting participant.
5. If a friend shouts "Glass" followed by an obscenity - your Google Glasses might display the disgusting picture instantly.
6. Someone can record themselves slaughtering dozens of people
7. App that undresses the person you are viewing

The Good

1. TV Enhancement
2. Bio Feedback
3. Face recognition
4. Instruction – baking, assembly, matrix style training
5. Navigation

http://www.youtube.com/watch?feature=player_embedded&v=8UjcgCx1Bvg



Privacy Concerns



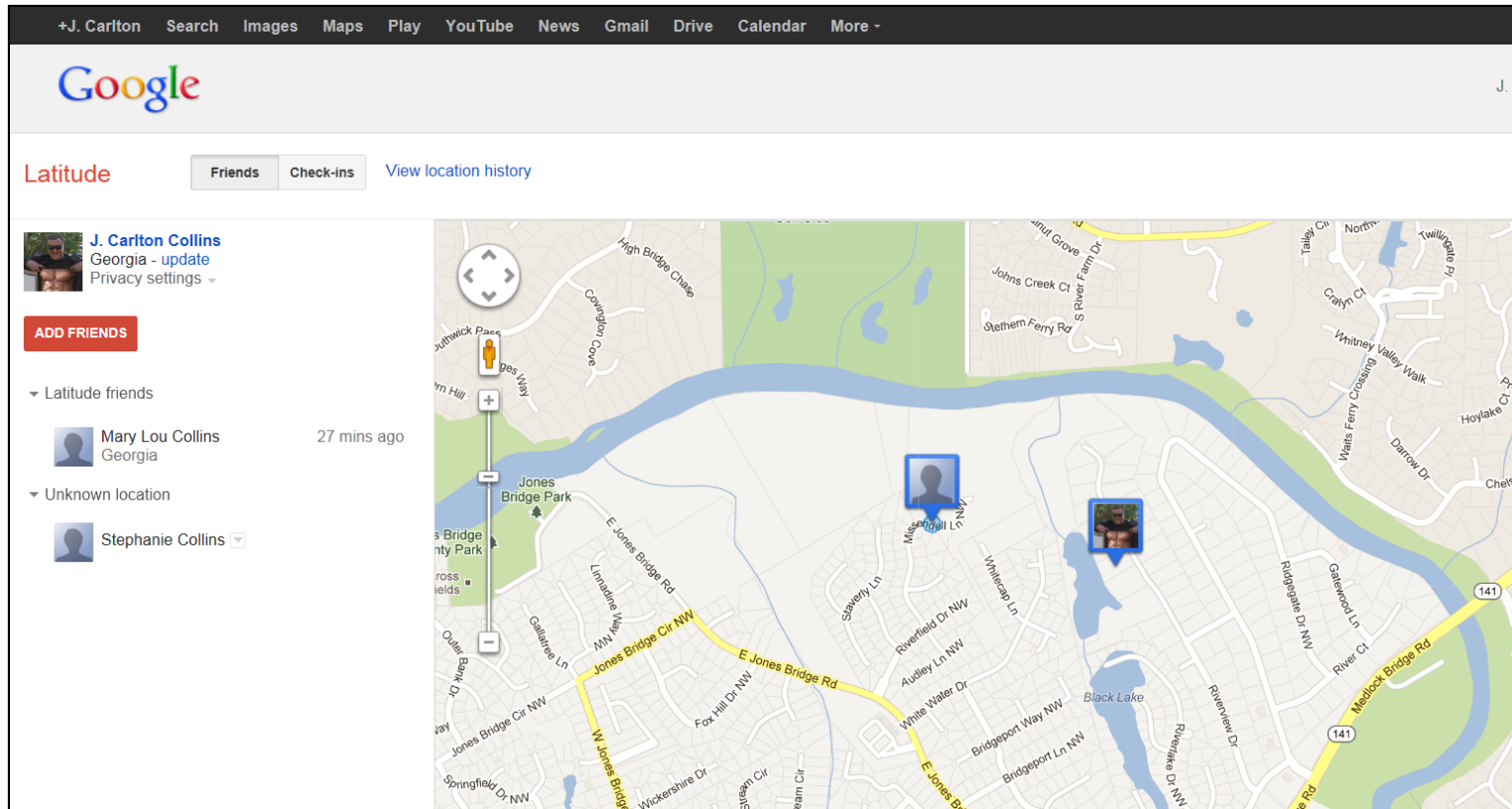
Privacy Concerns

1. [Cloud monitoring](#)
2. [Echelon](#)
3. Copy machine and printer [hard drives](#)
4. Google search [history](#)
5. Comcast web page [history](#) ([case](#))
6. Traffic [cameras](#), store cameras, [beach](#), [Old Faithful](#), Gorillas, [SB](#), [beach](#), [Aruba](#), [Bees](#)
7. [Drones](#) in the sky, [small drones](#)
8. [GPS Tracking](#), [Google Latitude](#)
9. Social media data mining & profiling
10. RFIDs
11. [Arrest Records](#)
12. [Carlton's Top 25 Security Measures](#)

Google Latitude

Google Latitude

Track a person via their smartphone



Microsoft Office 2013



Selected New Features in Office – At a Glance

New Global Features in Office 2013

1. Touch-Screen Enabled
2. Windows 8 Style Tiles
3. Cloud-Enabled
4. Office 2013 Web Apps
5. Subscription Pricing

New Features in Excel 2013

6. Quick Analysis
7. Flash Fill
8. PowerView
9. New PivotTable Tools
10. Fifty New Functions
11. Recommended Pivot Tables & Charts
12. New Chart Controls
13. Get A Link
14. Publish Excel Data to Social Media

New Features in Word 2013

15. Open and Edit PDF Files in Word
16. Threaded Review Comments
17. Read Mode with Page Turning
18. Alignment Guides
19. Placeholder

New Features in Outlook 2013

20. Improved Menu Design
21. Navigation Bar
22. Hotmail and Gmail Support
23. Reading Pane Utility
24. Shared Mailboxes
25. Improved Calendar Sharing
26. Calendar-Based Weather Reports
27. Social Media Integration

New Features in PowerPoint 2013

28. Improved Presenter View
29. New Presenter Tools
30. New Touch-Screen Gestures
31. New Review Tools
32. Present Slideshows Online for Free
33. New Themes
34. More Templates
35. New Transition Effects
36. Smart Guides
37. Merge Shapes
38. Auto-Detect Projector
39. Motion Path Ghosts
40. Eyedropper

Subscription Pricing

Office Edition	Users/PCs	Price	Included
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Purchase Options:

Office Home & Business	1 user/3 PCs	\$279.99	Word, Excel, PowerPoint, OneNote, Outlook
Office Professional	1 user/2 PCs	\$499.99	Word, Excel, PowerPoint, OneNote, Outlook, Access, Publisher

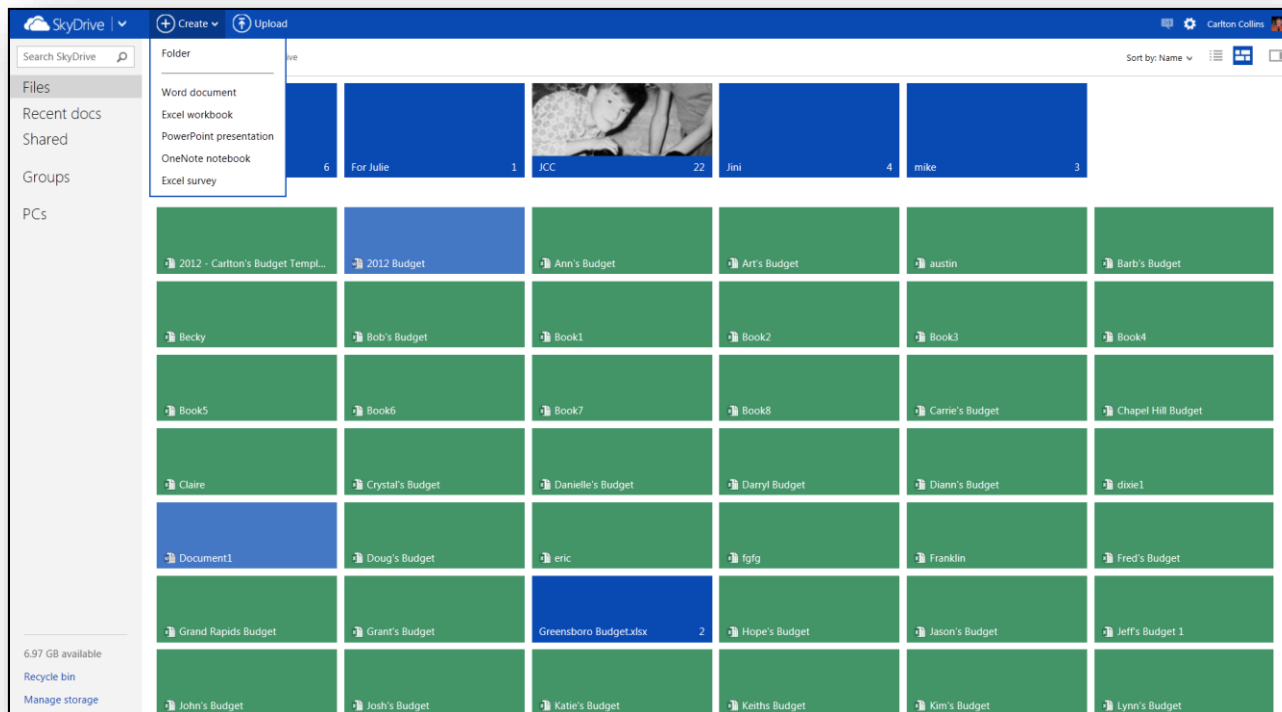
Subscription Options:

Office 365 Professional Plus
Office 365 E3 Plan

- 1. Installs on more PCs**
- 2. Never upgrade again**
- 3. Superior iMap email**
- 4. Better security**
- 5. File Sharing**
- 6. Eliminate upfront capital costs**
- 7. Eliminate balance sheet liabilities**

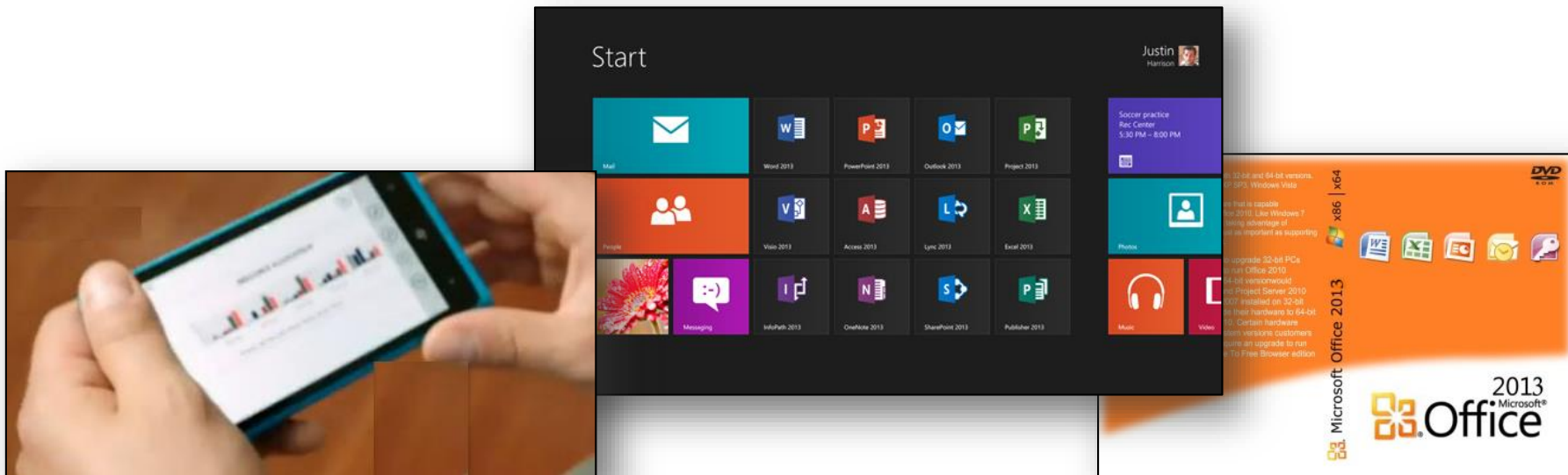
A free limited version of Office 2013 is available at home.live.com, Outlook.com or Skydrive.com

(See cloud slide for more details)



Office 2013

- Touchscreen ready
- Smartphone enabled
- Windows 8 Look & Feel with Modern Tiles
- Cloud-friendly
- Runs on Win7 & Win8, not on XP or Vista
- Buy or Rent (Rent on premise)



NFC

NFC – Near Field Communication

6 Inch Range

<http://www.tubechop.com/watch/732835>



BitCoin



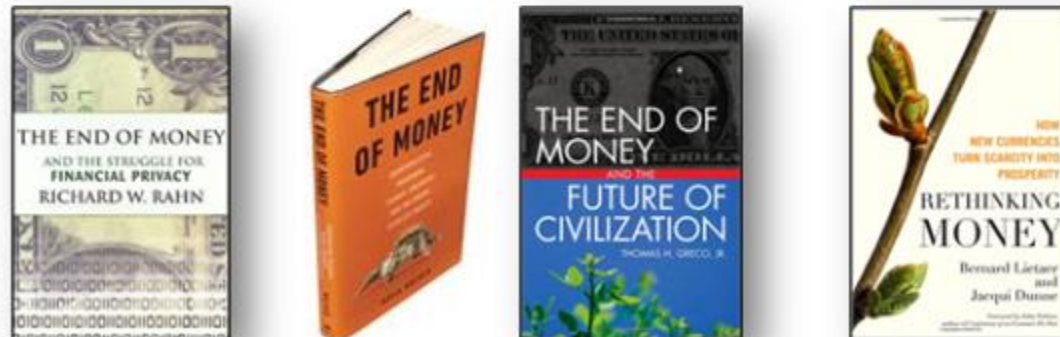
Digital Money

By J. Carlton Collins

In 800 AD, the Chinese Yuan Dynasty first replaced coins with paper money. In 1971 Richard Nixon took us off the gold standard. The value of paper money is easily manipulated by countries and people such as JD Rockefeller and George Soros. 68 times in the [past 100 years hyperinflation has devalued the monies of 68 countries. Today we think of money as something tangible and real, but it is not. What is the real difference between these 3 pieces of paper?



1. Richard Rahn's *the End of Money* (1996); David Wolman's *The End of Money* (2012); Thomas Greco's *the End of Money* (2009), Lietai & Dunne's *Rethinking Money* (2013).



2. Examples of Digital Money:

- Credit Cards
- Debit cards
- Prepaid Gift Cards
- Metro Coronet Tickets (Paris France)
- The [Square](#) (50 seconds)
- NFC



- i. Google Wallet in Action - <http://www.youtube.com/watch?v=HEj2elwImqg> (5:06)
- ii. Kim Komando on Mobile Payments - <http://www.youtube.com/watch?v=aEurC8AUB2Y> (3:25)

3. 2013 Cyprus Banks seize billions. ([Article](#))



4. Imagine:

- Making a person-to-person cash transfers with your phone...
- ...with no transaction fees.
- Your phone replaces your wallet ([3 second video](#)) ([Google Wallet](#))
- The end of counterfeit money.
- The end of inflation.
- Your money kept where governments could not touch it (ie: a Cyprus Bank).
- Your money kept where governments could not watch it.
- Transactions that are truly private – no more “Know Your Neighbor” programs.



5. [How Bitcoin Works](#)

6. Bitcoin was introduced in 2009 by an unknown person using the alias Satoshi Nakamoto as the world's first "global neutral" currency.

7. Bitcoin is an electronic form of currency which does not rely on a central government authority.

8. You can use Bitcoins to avoid currency exchange fees.

9. You can use Bitcoins to avoid transaction fees.

10. Key Points:

- Bitcoins are transferred electronically via [mobile payments](#).
- Transactions are irreversible.
- Transactions are not anonymous, all are available for the public to see.
- Recommended that you create a new address for each transaction.
- Double spending is prevented by using a block chain.
- Transactions are broadcast within seconds and verified within 10 to 60 minutes.
- Transactions can be received at any time even when your computer is turned off.
- Currently \$300million in circulation, 40,000 transactions a day.

3-D Printing



<http://www.tubechop.com/watch/1134223>



[Starting at \\$1,469](#)

How Long Would It Take to 3D Print Your Dream House?

By Hazel Chua on 06/21/13 • Leave a comment!



27,735 Bricks
\$332,820

And it would take 220 years,
4 months, and 11 days to print

Reprint

3D printing is all the rage these days. The technology has been used to print a wide range of objects, from shoes and handguns to custom splints for medical applications. What they haven't managed to 3D print yet are houses. Don't expect that to happen anytime soon, though, because it'll probably take a whole new kind of plastic to actually print a house that'll last. Aside from the material, it's also going to take an infinitesimally long amount of time given the size and capacities of current 3D printers.

If you're curious, real estate blog Movoto has come up with a calculator that'll let you compute how long it'll take to 3D print the house of your dreams. It will also provide you with a rough estimate of the cost of your 3D-printed home, along with the number of bricks your house will need. You can check out the [3D Print your House calculator](#) online.

Saw Stop



Saw Stop

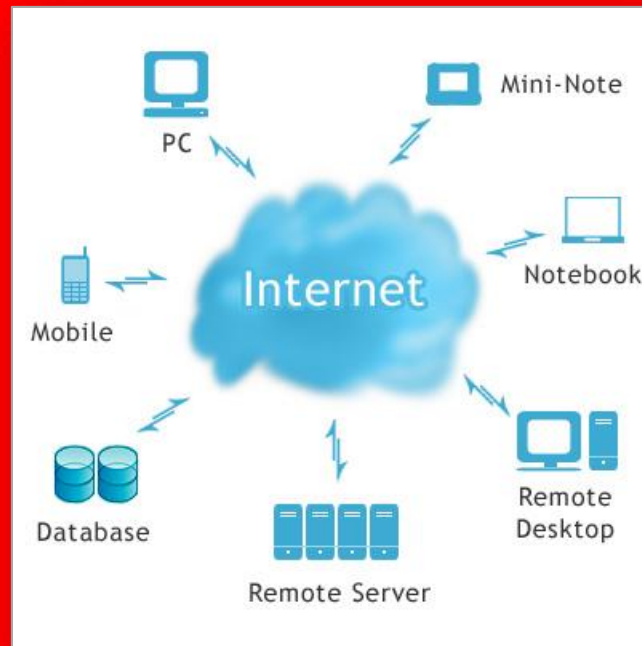
60,000 table saw accidents a year, 10 fingers a day

<http://www.wimp.com/amazingtechnology/>



Chain saw - <http://www.youtube.com/watch?v=Ah-FmYnaIWw&feature=fvwp>

Cloud Computing



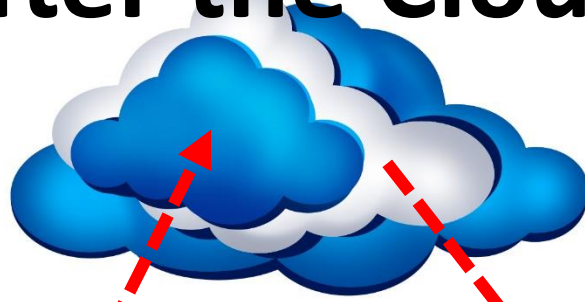
Shhhhh!

Cloud computing is really just another word for the Internet

Before the Cloud



After the Cloud



SYNC

SYNC



After the Cloud

Weather Conditions

Gate Changes

Flight Delays

Friend Alerts

Airport Info

Driving Directions



SYNC

SYNC

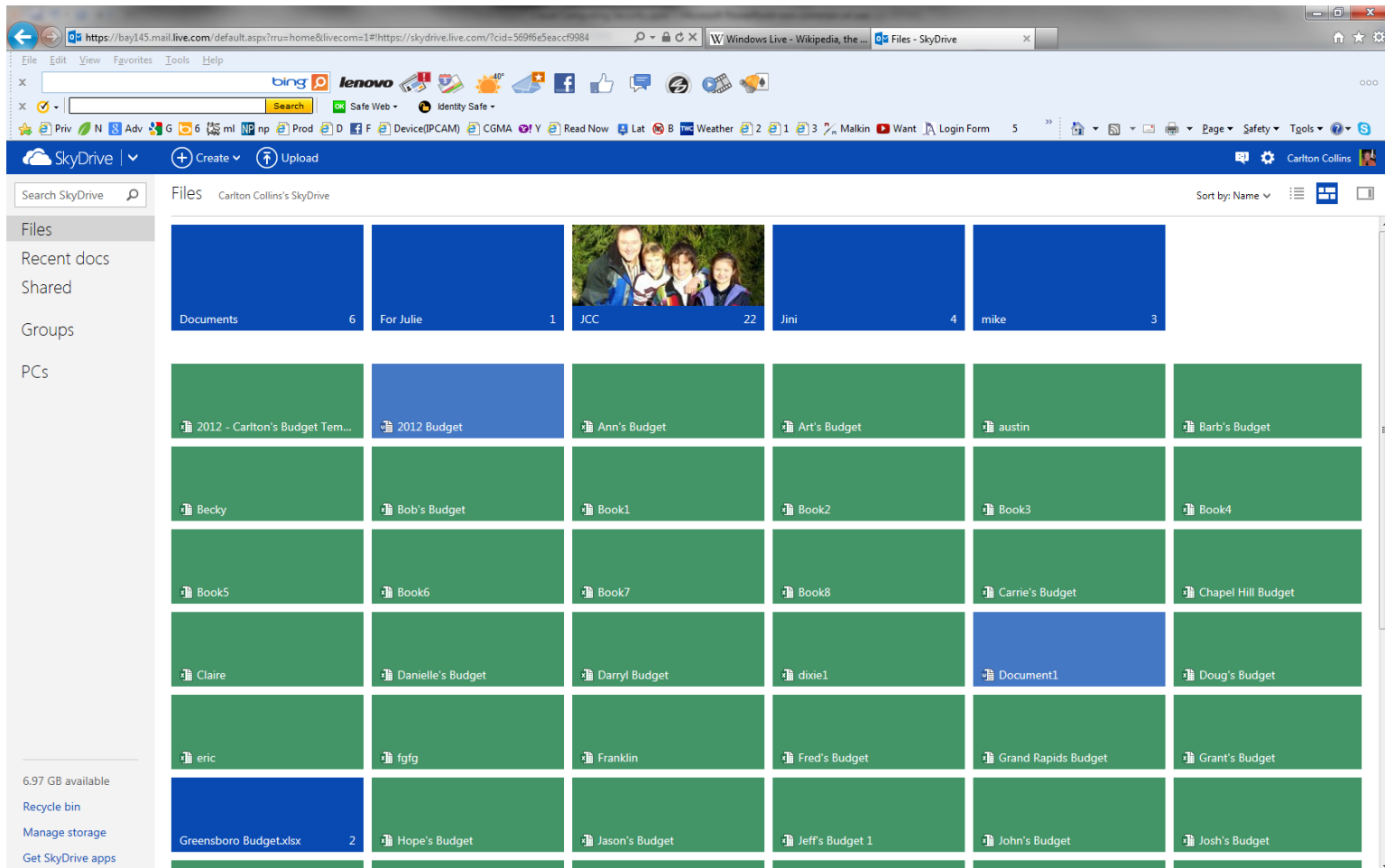


Eight Ways in which Cloud Computing is Transforming the Way We Work

1. **Merging Real Time Data with Your Information** – Your TripIt itinerary doesn't just show you your hotel and car rental information, it shows you real time weather reports, airplane arrivals and delays, airport gates. GasBuddy shows you the gasoline prices all around you. Your maps show you the speed of the traffic ahead of you.
2. **Easier Access** - Cloud computing means that you will be able to access information from a number of devices that are connected to the Internet. All you will need to have are the login credentials in order to get to your particular area on the cloud.
3. **Easier Storage** - There is going to be much more room for information storage in a cloud. This means that there is going to be more information that can be stored on the cloud.
4. **Back Ups For Business** - Businesses are going to need backups for the information that they are holding. This is going to mean taking a good look at your systems and find out how you can restore all of that information quickly. With cloud systems, this becomes much easier.
5. **Security** - All cloud systems are becoming more and more secure. Even if you are just looking for your own personal online form of storage, then you will be happy to know that your information is going to be protected.
6. **Convenience** - Easier access is going to make for more convenience. You do not have to carry around a hard drive with you all the time if you are on the go. This is good for individuals as well as businesses.
7. **Pricing** - The price of cloud storage actually doesn't cost that much. For businesses in particular, it ends up becoming a very cost-effective form of backup. All you will need to do is rent a certain amount of space.
8. **Flexible** - Flexibility is one of the main reasons that a lot of businesses enjoy using cloud services. If they have a certain amount of space, then they can use that to store information. If more space is needed, then all you need to do is increase it and pay the increased fees. This means that you do not have to buy more space than you need. You can always get more data storage and pay for it as you need it. Again, this ties in with the overall cost-effectiveness of using a cloud system.

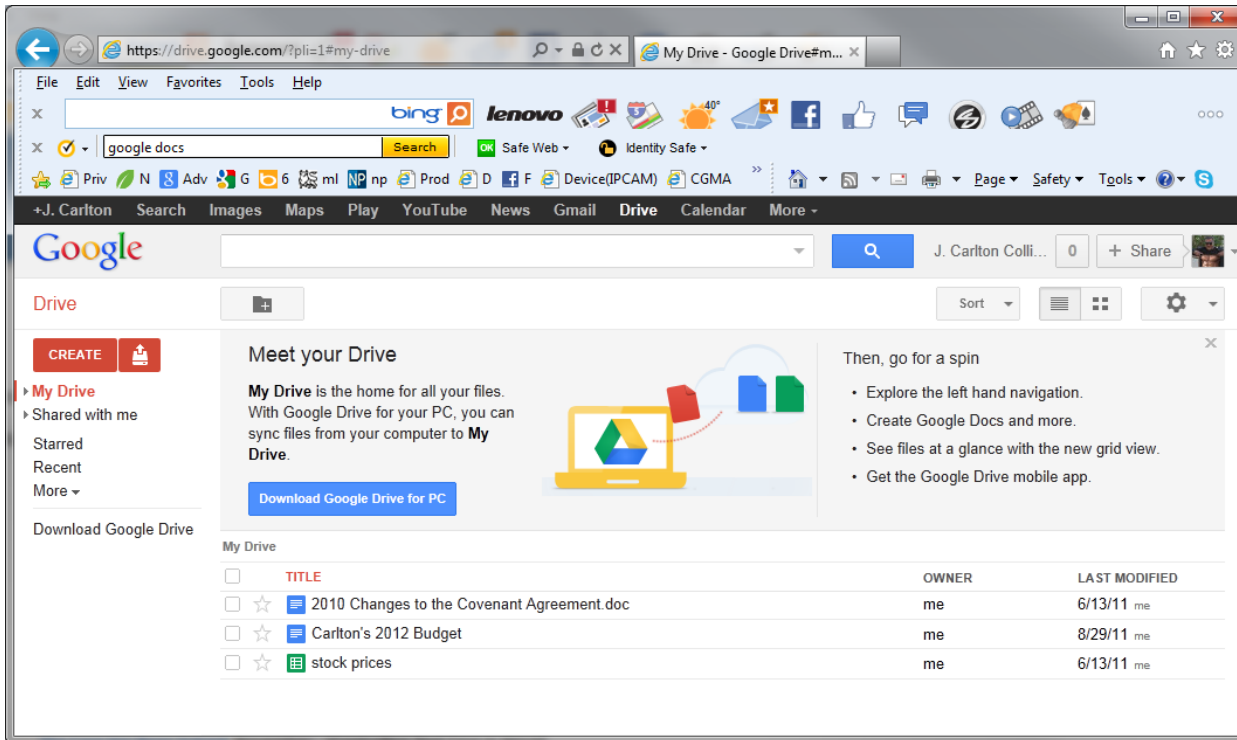
Microsoft's Mail & SkyDrive (Formerly) Windows Live

Windows Live is a set of services and software products from Microsoft; consisting of selected Office applications, a 7 Gigabit SkyDrive, HotMail, and a services platform.



Google Docs

Like Windows SkyDrive, Google Docs is a free, Web-based office suite and data storage service offered by Google within its Google Drive service. It allows users to create and edit documents online while collaborating in real-time with other users. Google Docs combines the features of Writely and Spreadsheets with a presentation program incorporating technology designed by Tonic Systems. Data storage of files up to 1 GB total in size was introduced on January 13, 2010, but has since been increased to 10 GB, documents using Google Docs native formats do not count towards this quota. The largely anticipated cloud storage feature by Google is said to be replacing most of Docs' features in 2012. This extension or replacement of Google Docs called Google Drive was opened to the public on April 24, 2012.

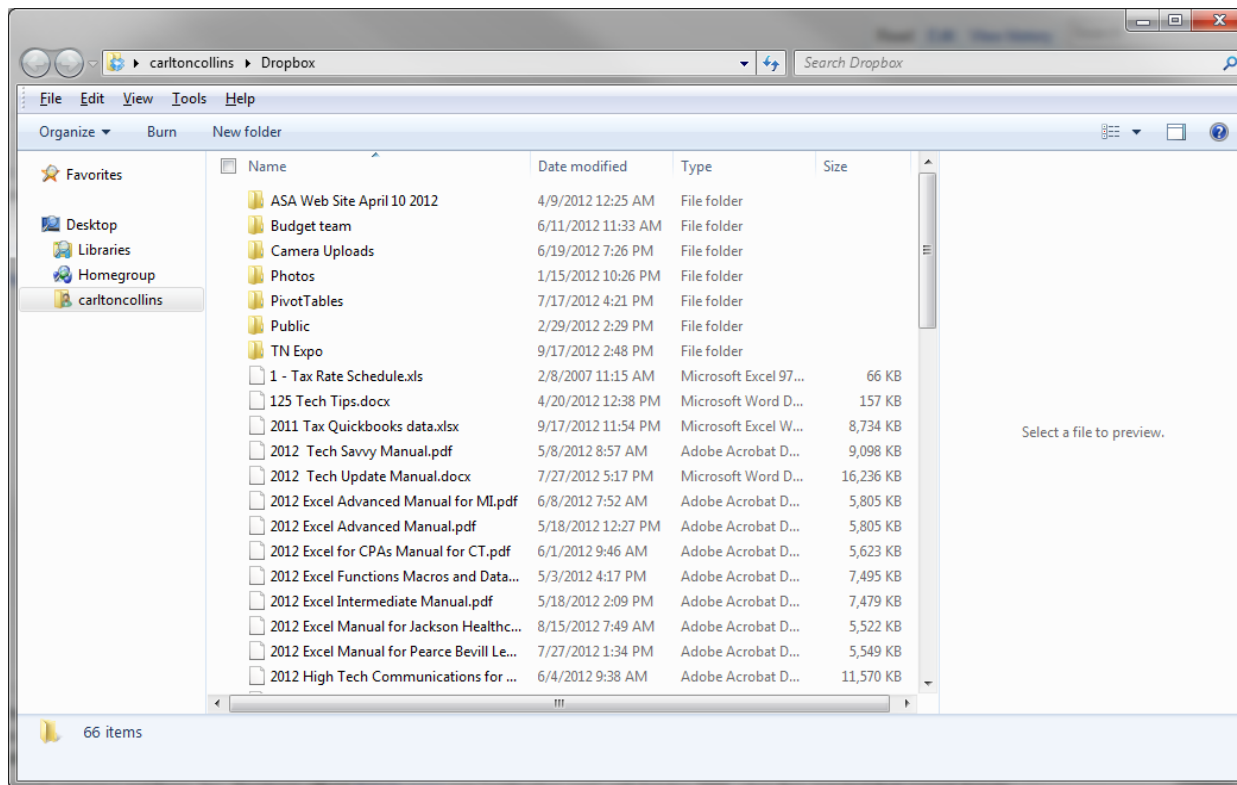


The screenshot shows a browser window displaying the Google Drive homepage. The address bar shows the URL <https://drive.google.com/?pli=1#my-drive>. The page features a navigation menu on the left with options like 'My Drive', 'Shared with me', 'Starred', 'Recent', and 'More'. The main content area includes a 'Meet your Drive' section with a 'Download Google Drive for PC' button and a 'Then, go for a spin' section with a list of tips. Below these sections is a table listing files in the user's 'My Drive'.

<input type="checkbox"/>	TITLE	OWNER	LAST MODIFIED
<input type="checkbox"/>	★ 2010 Changes to the Covenant Agreement.doc	me	6/13/11 me
<input type="checkbox"/>	★ Carlton's 2012 Budget	me	8/29/11 me
<input type="checkbox"/>	★ stock prices	me	6/13/11 me

DropBox

Dropbox is a file hosting service operated by Dropbox, Inc. that offers cloud storage, file synchronization, and client software. Dropbox allows users to create a special folder on each of their computers, which Dropbox then synchronizes so that it appears to be the same folder (with the same contents) regardless of the computer it is viewed on. Files placed in this folder are also accessible through a web site and mobile phone applications.



	GOOGLE DRIVE	DROPBOX	iCLOUD	SKYDRIVE	SYNCPLECTICITY	WUALA	MOZY	SPIDEROAK BOX	SUGARSYNC	CUBBY	LIVEKIVE	INSYNC
Free storage	5GB	2GB	5GB	7GB	2GB	5GB	2GB	2GB	5GB	5GB	5GB	5GB
Version tracking	●	●		●	●	●	●	●	●	●	●	●
Versions saved	30 days	30 days		25	30 days	10	30 days		11	5		
Multiple folder syncing				●	●	●		●		●	●	●
Download to mobile	●	●	●	●		●	●	●	●	●	●	●
Media streaming		●	●	●		●	●		●	●		●
Bandwidth throttling					●						●	
Unlimited P2P sharing										●		
Password protected files								●	●	●		●
File size limit	10GB			2GB		100GB			25MB			10GB
File encryption	●	●	●	●	●	●	●	●	●	●	●	●
Public file share	●	●		●	●	●			●	●	●	●
File / folder collaboration	●	●		●	●	●		●	●	●	●	●
Public API	●	●	●	●	●			●	●	●		
Windows client	●	●	●	●	●	●	●	●	●	●	●	●
OS X client	●	●	●	●	●	●	●	●	●	●		●
Linux client		●				●		●				●
Android client	●	●			●	●	●	●	●	●	●	●
iOS client		●	●	●	●	●	●	●	●	●	●	●
Windows Phone client				●					●			●

Importing to GoogleDocs & SkyDrive - <http://www.youtube.com/watch?v=txCK3d90GcY>

SkyDrive/Office Video - http://www.youtube.com/watch?v=D6O9J_EzmqE&feature=relmfu

Intro to SkyDrive - <http://www.youtube.com/watch?v=hoTBilpz8DI&feature=related>

Intermediate SkyDrive - <http://www.youtube.com/watch?v=YdhB2u2mOLM&feature=relmfu>

GoogleDrive versus DropBox - www.youtube.com/watch?v=0FbjsNsfEmE&feature=related

EverNote – <http://www.bing.com/videos/search?q=evernote&view=detail&mid=FC081D4B847324B6E926FC081D4B847324B6E926&first=0>

Speech Recognition



Microsoft Speech Recognition Demo

Works better with 1 to 2 hours of training

Works best with 3 to 6 months of corrections

YouTube



Broadcast Yourself™

YouTube

More content than CBS, NBC & ABC every 60 days

Upload Demo

Editing Tools

Embed Code Demo

Lila Ann Rose - https://www.youtube.com/watch?v=nwn6_qtQMN8

Maisy & Lennon, Butter - https://www.youtube.com/watch?v=7_aJHJdCHAo

Maisy & Lennon Headlock - https://www.youtube.com/watch?v=uxdUuk_l2Lk

Rachel Price - <http://www.youtube.com/watch?v=sAIVIOvsMuM>

Maisy & Lennon, Nashville.....



Example YouTube Clips

RFIDS - <https://www.youtube.com/watch?v=xNhL39uD7I>

RFID Forklift - <http://www.tubechop.com/watch/734446>

ATM Scam - https://www.youtube.com/watch?v=m3qK46L2b_c

Installing Electrical Wiring - <http://www.tubechop.com/watch/734456>

Installing Bee Hive - <http://www.tubechop.com/watch/734467>

Learn the Guitar - http://www.youtube.com/watch?v=6Obf278F_00

YouTube:

More content published to YouTube in a 60 day period than the three major U.S. television networks created in the past 60 years. 490 million unique users worldwide per month, who rack up an estimated 92 billion page views each month.

YouTube is a phenomenal learning center. ***Carlton's Prediction – YouTube University will be the world's largest learning center within 5 to 10 years.***

www.tubechop.com – Crop a portion from any YouTube video

www.mixpod.com – Combine cropped portions of YouTube clips

www.vixey.com – Convert YouTube clips to self-running MP4s on your computer

Uploading to YouTube is Easy (quick demonstration)

Embedding Code (Bandwidth and Codecs come from YouTube web site)

Ted Talks



Ted Talks



Who is Ted and why does he talk so much?

TED = Technology, Entertainment & Design

Average 6 to 12 minutes, not professional speakers

Creativity - <http://www.tubechop.com/watch/733384>

Best Thing - <http://www.tubechop.com/watch/733396>

Sugata Mitra shows how kids teach themselves -

http://www.ted.com/talks/sugata_mitra_shows_how_kids_teach_themselves.html

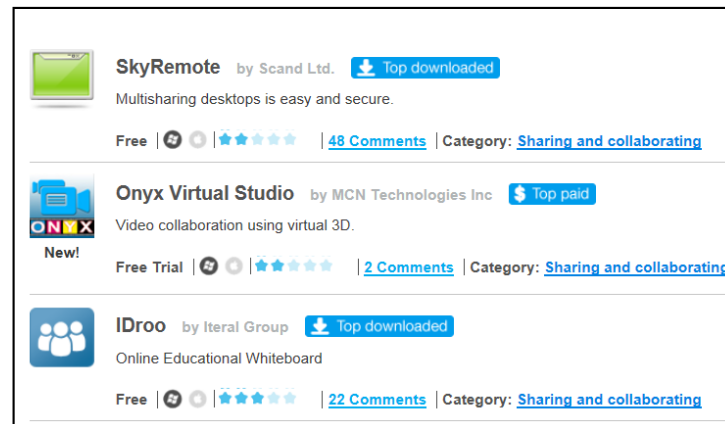
Start at 7:45, or 9:37

Distance Learning



Distance Learning

- No admission, No Credits (Certificate)
- [Harvard](#) & MIT (EdX) 150,000 from 160 countries in 2011
- [Fathom](#) (2000 Columbia & Michigan); All Learn (2003 Yale, Princeton and Stanford)
- Remote Access Tools for Remote Training
 - Skype



The screenshot displays a list of three software products from a marketplace:

- SkyRemote** by Scand Ltd. (Top downloaded): Multisharing desktops is easy and secure. Free | 48 Comments | Category: Sharing and collaborating
- Onyx Virtual Studio** by MCN Technologies Inc (Top paid): Video collaboration using virtual 3D. New! Free Trial | 2 Comments | Category: Sharing and collaborating
- IDroo** by Iternal Group (Top downloaded): Online Educational Whiteboard. Free | 22 Comments | Category: Sharing and collaborating

500 Pages of Tips



Carlton's JofA Articles

- www.CarltonCollins.com

Articles Published by J. Carlton Collins, CPA
[View Biography for J. Carlton Collins, CPA](#)



2012 - Technology Q&A Column - December, *Journal of Accountancy*

- [Sum Highlights for You](#), December - (Creating Sum formulas in Excel by highlighting data)
- [Small Keys Create Big Problems](#), December - (Beware the half-height keys on a laptop keyboard)
- [Run a Tab for this Table](#), December - (Controlling indents in a Word table)
- [I've Got You Pegged](#), December - (Using Google Latitude to track a person's smartphone)
- [Table Rows are a Drag](#), December - (Rearranging rows in a Word table by dragging)
- [The Games People Play](#), December - (Comments about playing social media games)
- [Five Tips Using Excel's Fill Handle](#), December - (Five tips using Excel's Fill handle)

2012 - [Windows 8 - Jump or Wait?](#) - November, *Journal of Accountancy* (Feature Article About Windows 8, Microsoft's New Operating System)

2012 - Technology Q&A Column - November, *Journal of Accountancy*

- [QuickBooks Job Costing](#), November - (8 Preference Settings to Get the most out of QuickBooks Job Costing)
- [Custom Calendar](#), November - (Custom Calendars in Word Document)
- [Lost Excel File](#), November - (Recover an Excel File You Forgot to Save)
- [The Incredible Shrinking Font](#), November - (Controlling Font Sizes in Excel)



www.carltoncollins.com

Google Fiber-Optics



Google Fiber

Google Fiber is a project to build an experimental broadband internet network using fiber-optics, 100 times faster than today's broadband.

Austin, Texas; Kansas City, Kansas; Kansas City, Missouri; North Kansas City, Missouri and Provo, Utah.

Three pricing options:

1. Free – 5 Mbps speed
2. \$70 per month 1 Gbps (1,000 Mbps) speed, Includes 1 terabyte of Google Drive.
3. \$120 per month also includes television with 2 terabyte DVR recording up to eight live television shows simultaneously. Nexus 7 tablet acts as a remote control for the system.

Transparent Glass



Samsung's Transparent Smart Window



Example Uses - <http://www.tubechop.com/watch/732846>

Smart Mirror

<http://www.wimp.com/screentechnology/>

The Square



Square, Sage Credit Card Reader

\$20 device that plugs into any computer, tablet, or smartphone audio jack) in order to accept credit card payments on the go.

3,500 Girl Scout troops in Ohio used Sage credit card readers (connected to the scout's smartphones) to accept electronic payments, boosting sales of Girl Scout cookies by 30% because the scouts were able to take orders and accept payments from cashless customers who were only able to pay using their credit card.

[Video](#)

(Cost versus transaction fee and percentage fee should be considered)



Sage's Credit Card Reader

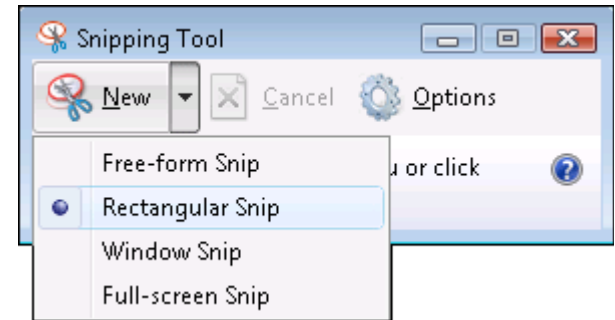
Snipping Tool



Snipping Tool



- **Start Button, Program Files, Accessories**
- **Higher resolution than Print Screen**
- **Save to Different Formats**
- **Highlighter, Eraser**
- **Add to your Quick Launch Tool Bar**
- **PrintScreen (resolution not as high)**
- **Shift + PrintScreen (to capture active window/box only)**



Tablets

1. *Soon to be obsolete due to ultrabooks?*

2. 2001 - Microsoft introduced first tablet

Laptop with touchscreen

Still had to boot up

3. Jan 2010 – Apple iPad

Basically a big iPhone, without the phone

Easier to read

No monthly subscriptions cost *

Tablets

<http://www.tabletpccomparison.net/>

Brands

- Acer (10)
- Amazon (4)
- Apple (5)
- Asus (11)
- Barnes&Noble (4)
- Coby Kyros (11)
- Lenovo (10)
- Samsung (13)
- Toshiba (6)

Tablet PC	US\$ ▾	OS	Display
Lenovo IdeaTab S2110	514.31	Android 4.0	10.1
Asus Vivo Tab RT	519.99	Win8 RT	10.1
Motorola Droid XYboard	530.00	Android 3.2	10.1
Acer Iconia Tab W500	549.00	Win7 Home	10.1
MSI WindPad 110W	557.97	Win7 Home	10.0
Samsung Galaxy Tab 8.9	569.99	Android 3.1	8.9
Asus Eee Pad Slider	599.99	Android 3.1	10.1
Acer Iconia W510	599.99	Win8	10.1
Samsung Ativ Smart PC	649.99	Win8	11.6
Toshiba Excite 13	650.00	Android 4.0	13.3
Fujitsu Stylistic Q550	729.00	Win7 Pro	10.1
Acer Iconia W700	775.14	Win8	11.6
HP Slate 500	899.00	Win7 Pro	8.9
Netbook Navigator NAV 9	1174.00	Win7 Home	8.9
Samsung Ativ Smart PC Pro	1199.99	Win8	11.6
Asus Eee Slate EP121	1299.99	Win7 Home	12.0
Samsung Series 7	1599.99	Win7	11.6

Tablet Demonstration

1. Safari Browser
2. Keyboard
3. Camera
4. Pictures (pinch, tap)
5. Photobooth
6. Video
7. Notebook
8. Maps (Peek behind)
9. YouTube
10. GoToMyPC
11. iBooks
12. Skype
13. Angry Birds
14. Fruit Ninja
15. Apps

High-End Computers



Rain Computers of Ringwood, NJ (raincomputers.com) produces a liquid-cooled desktop computer equipped with up to sixteen i7 core processors (two i7 cores with 8 processors each), 20 MB of core cache, Tesla companion processor, up to 96 GBs of RAM, up to six 480 GB solid state hard drives (SSD), hyper-threading, Turbo Boost, running Windows 8 64-bit, with prices starting at \$2,499.

Rain also produces a laptop computer equipped with an i7 quad core processor, up to 32 GBs of RAM, dual 480 GB solid state hard drives (SSD), hyper-threading, turbo boost, running Windows 8 64-bit, priced starting at \$1,299.

Rain computers are primarily targeted towards the high-end audio-visual industry, but are well suited as high-end business computers. Other high performance desktop computer manufacturers include Alienware (www.alienware.com), targeted primarily towards the gaming industry; and Maingear (www.maingear.com), targeted primarily for business professionals.

Gestures



Gestures

In this video, asks questions about using gestures “Why can’t we do the following?”

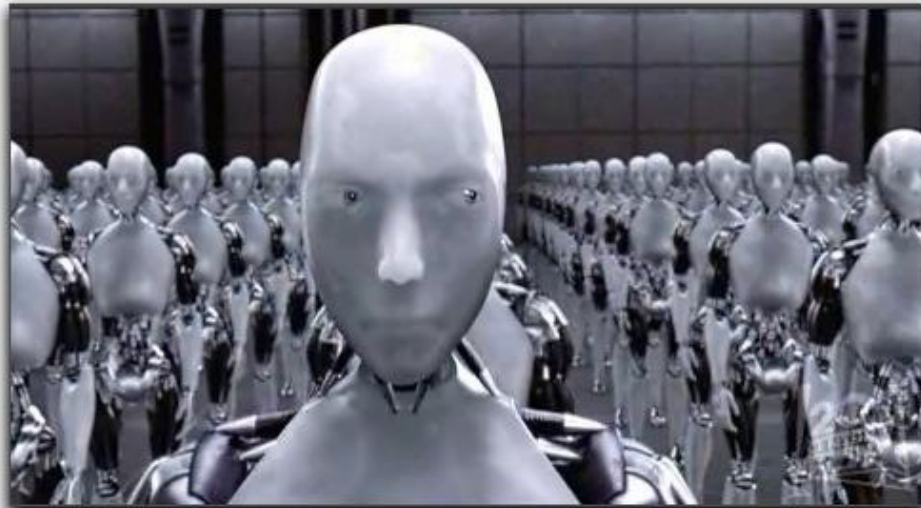
Control TV - <https://www.youtube.com/watch?v=lt60r3AwuV8>

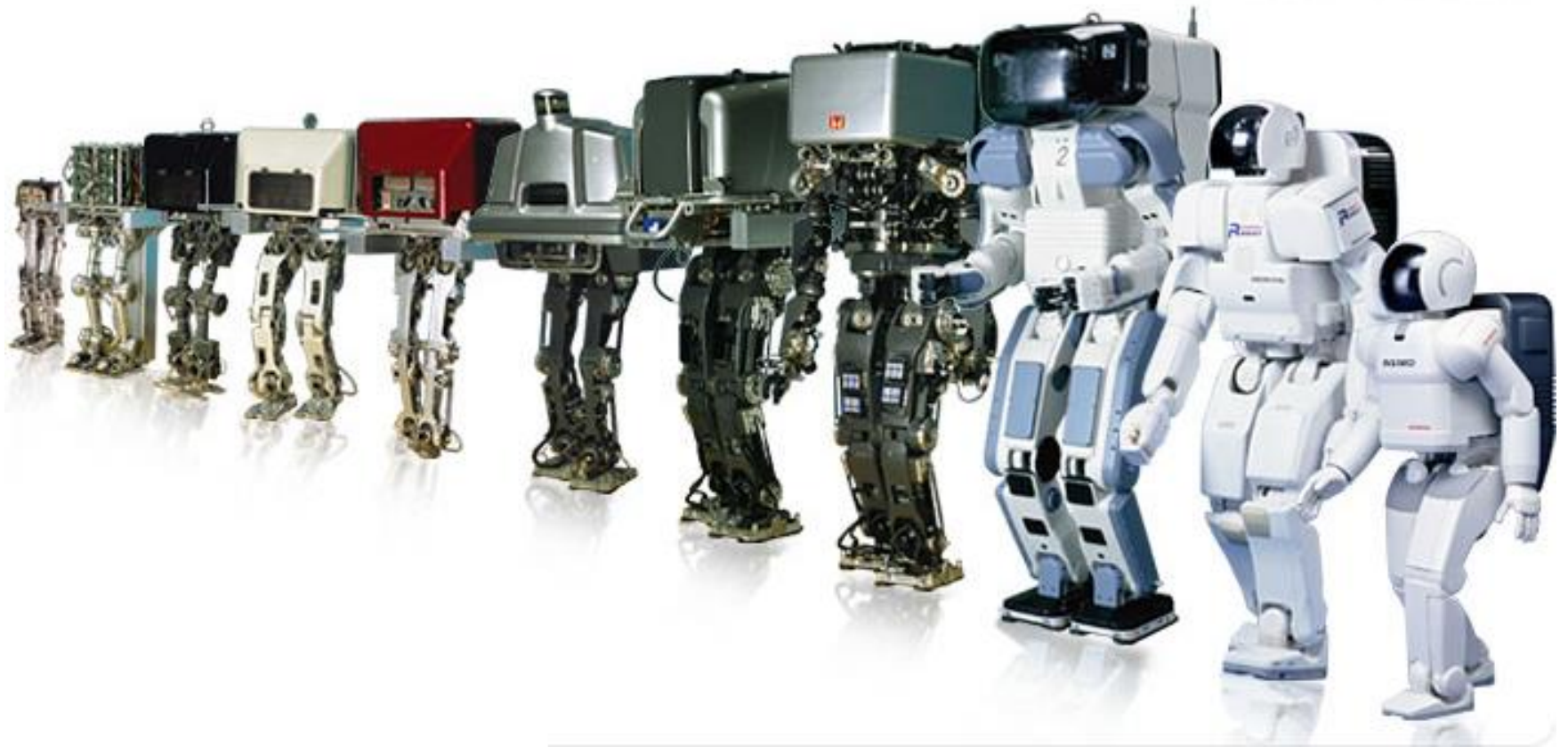
Wii Bowling - <https://www.youtube.com/watch?v=zwXX27U6Wnl>

Example of Gestures with a Smart Window:

Minority Report - <http://www.tubechop.com/watch/734400>

Robotics





<http://www.tubechop.com/watch/1134209>

Tiny URL

TinyURL.com

Making over a billion long URLs usable! Serving billions of redirects per month.

Tiny URL

Make a shorter URL

Avoid extra long URLs that might break in email

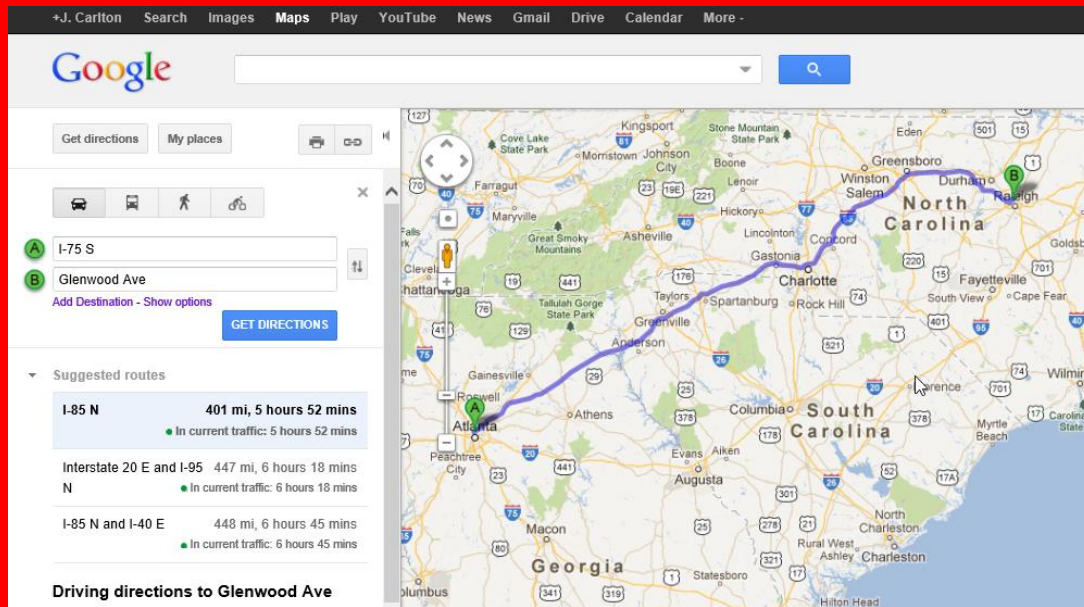
Hide URLs (so the reader does not know where the content is coming from)

Make a TinyURL Tool Bar Button

Bit.ly does the same thing



Google Map Tips



Google Maps

Driving Directions

Add Destinations

Add destinations by right clicking the map

Rerouting by dragging the route

Printing Directions

Satellite or Map View

Traffic View

Field Monitor Pro



Field Monitor Pro

- \$275
- Uses USB Port
- Gives you 2 USB Ports
- Daisy Chain up to 7
- Number Pad



Google Alerts



Google Alerts

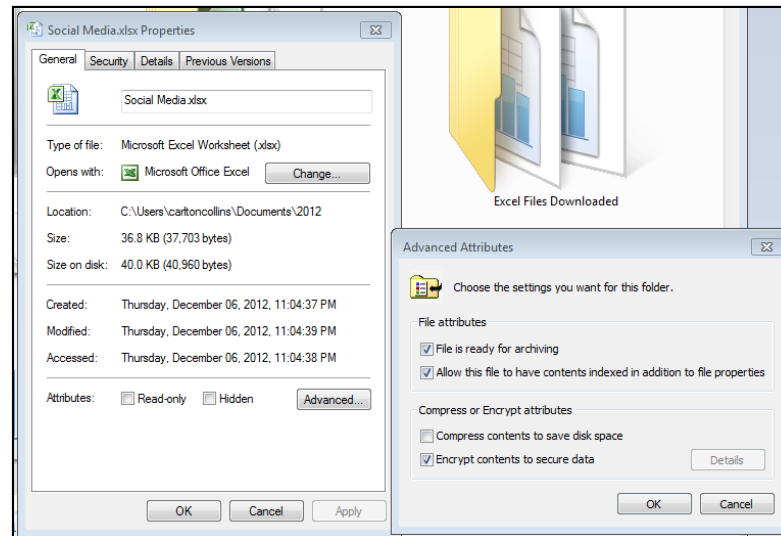
The screenshot displays the Google Alerts web interface. On the left, there are several configuration options: 'Search query' is set to '"estate tax planning"', 'Result type' is 'Everything', 'How often' is 'Once a day', 'How many' is 'Only the best results', and 'Deliver to' is 'carlton.joatech@gmail.com'. Below these are two buttons: 'CREATE ALERT' and 'Manage your alerts'. On the right, a sample alert is shown with the title 'Google Alert for today'. The sender is 'Google Alerts <googlealerts-noreply@google.com>'. The alert indicates '2 new results for "estate tax planning"'. Two results are listed: 'Income Tax Estate Taxes GST Gift Tax Estate Planning GRAT' with a link to www.eisneramper.com/2013-tax-planning-guide-1113.aspx, and 'Year-End Tax Planning In 2012 - Jensen Law Office, PLLC' with a link to www.jensenstatelaw.com/.../289-year-end-tax-planning-in-20.... At the bottom of the interface, there is a footer with links: 'Manage your alerts - Google Alerts Help - Terms of Use - Privacy Policy - Google Home - © 2012 Google'.

Encryption File System (EFS)



EFS – Encryption File System

- Takes just 5 Seconds
- In Pro versions of XP, Vista, 7 & 8
- Not in Home versions
- Encrypt a file, folder, or drive



Paperless



Paperless

- Few CPAs have regrets
- Large Scanner versus desktop scanners
- Sheet Feeder
- OCR File naming & Keyword creation



Wireless Technology



Wireless Technology

	802.11a	802.11b	802.11g	802.11n	802.11ac	802.11ad	WiMax (4G)
Year Adopted	1999	1999	2003	2009	Pending	Pending	2005 (802.16)
Radio Frequency	5GHz	2.4GHz	2.4GHz	2.4 or 2.5GHz	5GHz	60Hz	5.8 & 2.5 GHz (US), 3.5 (Int'l), 2.3 Korea
Band	20MHz	20MHz	20MHz	20 or 40MHz	80 or 160MHz	7GHz	700 MHz
MIMO Streams	No	No	No	Up to 4 streams	Up to 8 streams	> 10	Yes
Maximum Data Rate	54Mbps	11Mbps	54Mbps	600Mbps	1Gbps	7Gbps	45 MBs
Approximate Indoor/ Outdoor Range	115/390 feet	125/460 feet	125/460 feet	230/820 feet	90 feet/NA	<15 feet/NA	25 Miles (18.6 miles at ground level)

**Is WiMax
Dead for
Router
Use?**

[Frequency Allocation Chart](#)

FCC reserves many frequencies and auctions off others

Higher frequencies provide greater bandwidth, lower frequencies provide greater range

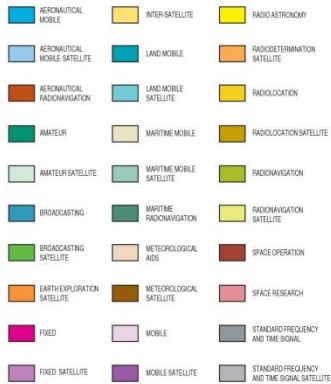
[License-free spectrums](#) (amateur)

FCC restricts power output among license-fee frequencies

[More WiMax info](#)

UNITED STATES FREQUENCY ALLOCATIONS THE RADIO SPECTRUM

RADIO SERVICES COLOR LEGEND



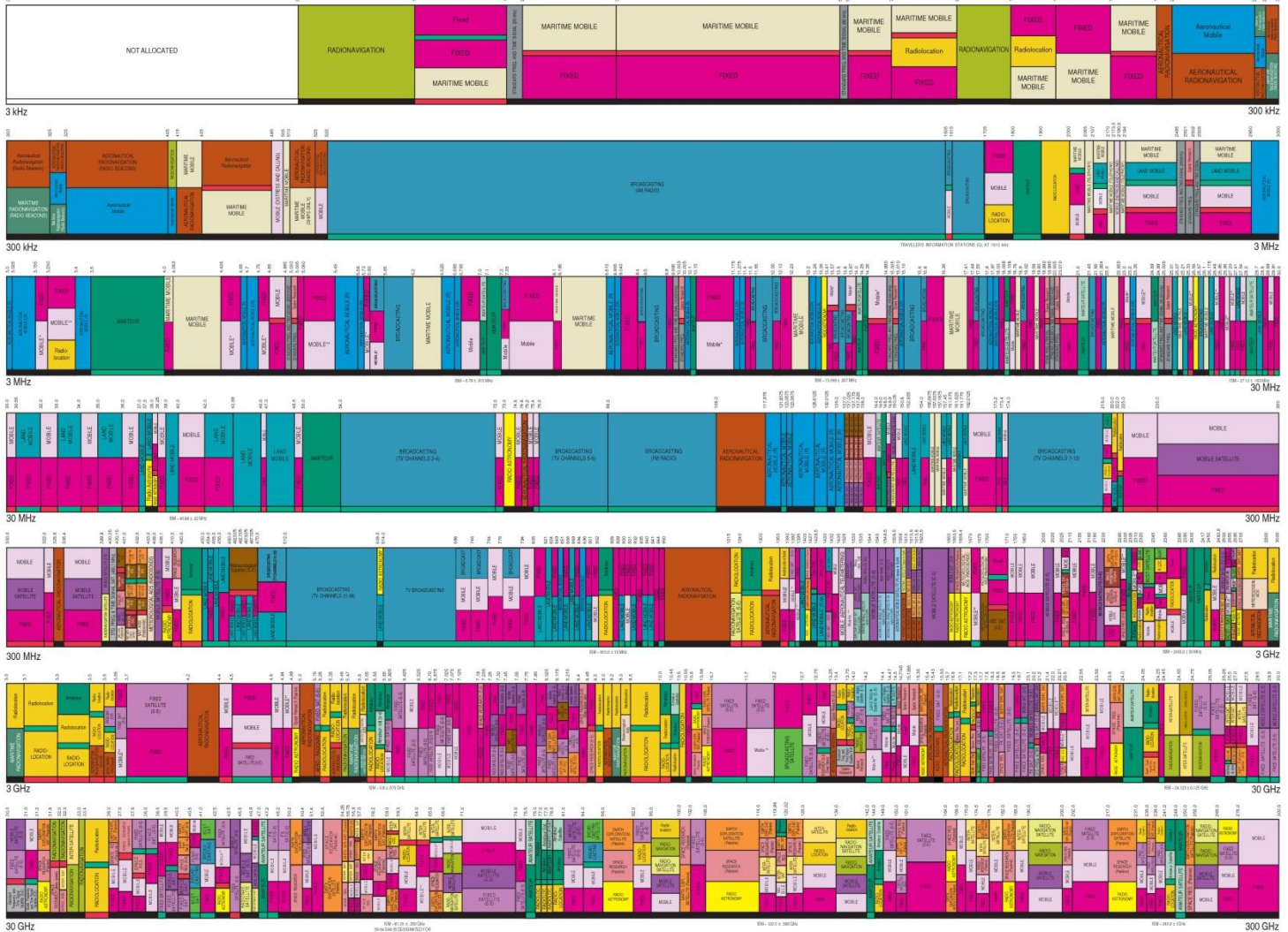
ACTIVITY CODE



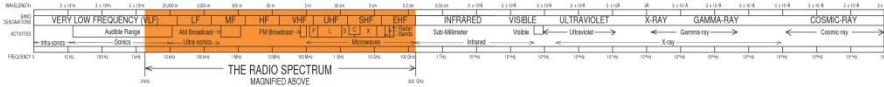
ALLOCATION USAGE DESIGNATION

SERVICE	EXAMPLE	DESCRIPTION
Primary	FIXED	Capital Letters
Secondary	MOBILE	1st Capital with lower case letters

This chart is a graphic, single-point-in-time portrayal of the Table of Frequency Allocations used by the FCC and NRTA. As such, it does not completely reflect all activity. For purposes and subject to changes made to the Table of Frequency Allocations. Therefore, for complete information, users should consult the Table to determine the current status of U.S. allocations.



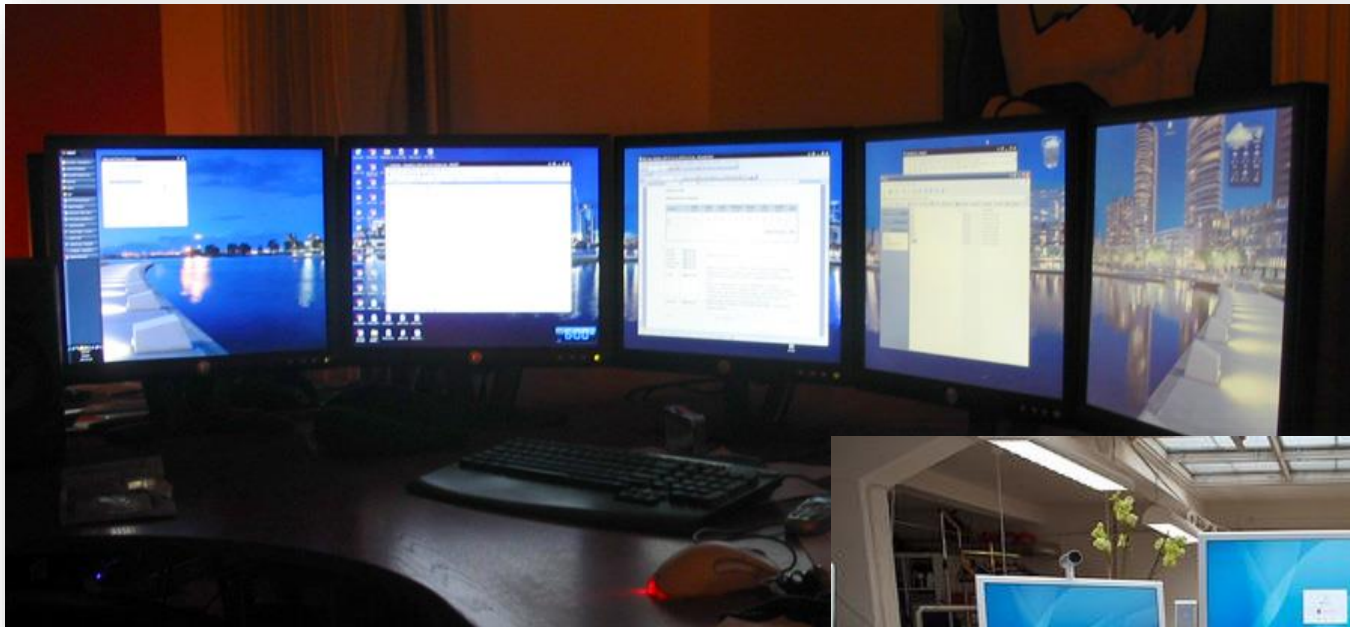
* EXCEPT AERIAL MOBILE (R)
** EXCEPT AERIAL MOBILE (R)



PLEASE NOTE: THE SPACING ALLOTTED THE SERVICES IN THE SPECIFIC BANDS IS FOR ILLUSTRATION PURPOSES ONLY. THE ACTUAL BANDWIDTH OF SPECTRA IS UNLIMITED.

Multiple Monitors





My Old Computer System

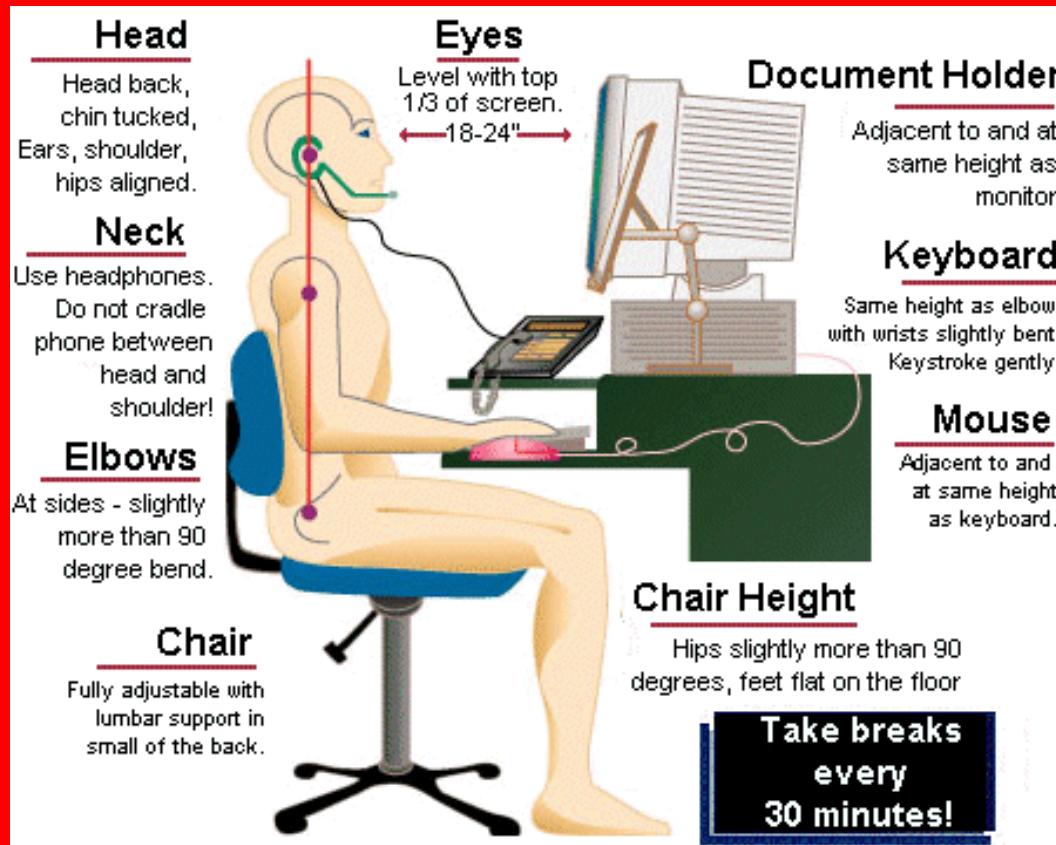


My New Computer System

The screens are so bright, the camera won't take a decent picture of them
Though it does not look like it, the lights are fully on in my office



Ergonomics



Laptops are not Ergonomically Sound



Well Organized Computer System

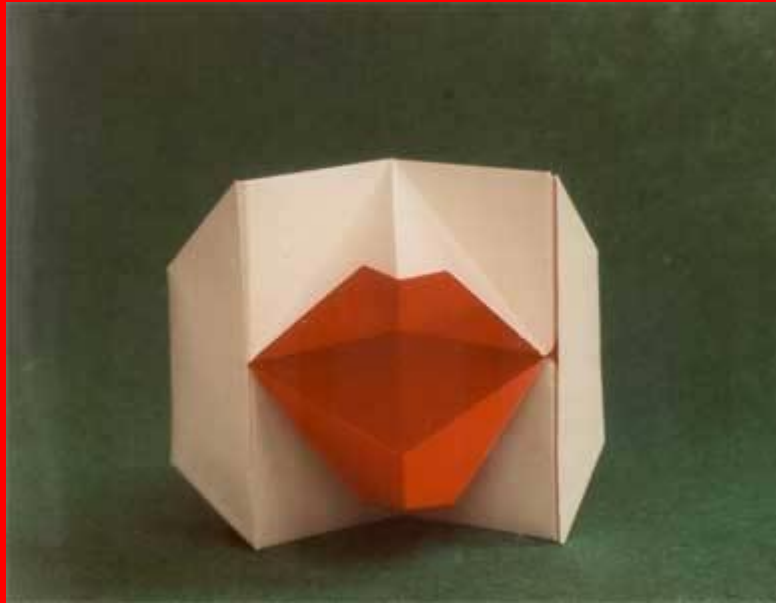








Interactive Paper

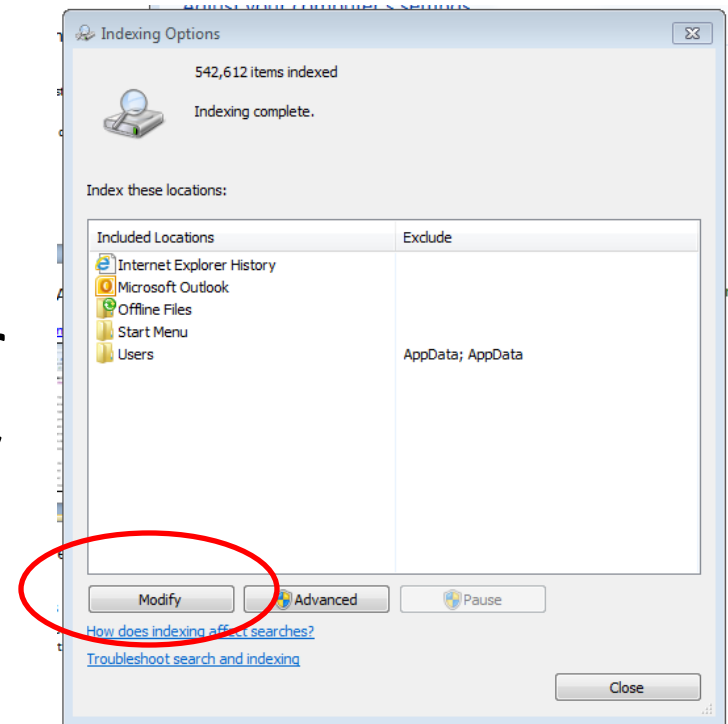


Instant Search



Instant Search (Indexed Searching)

- Windows 8, 7 & Vista
- Improved in Windows 8
- Stacking Results
- Must modify through control panel to index your data folders other than My Documents



Learning Thermostat



http://reviews.cnet.com/appliances/nest-learning-thermostat/4505-17889_7-35179222.html#reviewPage1



The Nest Learning Thermostat might be the thermostat of the future

Technology Steam Rolls Along

Revenue per employee today is 5 to 50 times higher per employee today than 30 years ago

Woolworths, JC Penny's, Sears, Wal-Mart

Stage Coaches, Train Industry, Typewriters, Retail Strip Malls, Digital Cameras

Out-sourcing, In-sourcing

Keep up or get left behind???



A Few Short Tech Hits

Anti-NSA Typeface Makes Your Messages Hard to Decrypt

By Hazel Chua on 06/25/13 • 4 Comments



If you thought that some people were just being paranoid when they said that there was always someone listening in on conversations or reading every message being sent, then I guess the whole NSA debacle proved you wrong. Since the news broke, anti-NSA programs and software have been floating around on the interwebs, although I think most of these don't really work.

Sang Mun, a graduate of the Rhode Island School of Design, decided to express what he felt about the whole situation by creating ZXX, a "disruptive typeface" that's named after the Library of Congress's "no linguistic content" labeling code.

Sense+ iPhone Dock With Built-In Smoke Detector Might Just Save Your Life

By Hazel Chua on 06/27/13 • [Leave a comment!](#)



People have really begun giving more thought to how they make smartphone accessories. For example, the conceptual iPhone case with a built-in carbon monoxide detector could especially come in handy if you're wary about carbon monoxide poisoning. Then there's the Sense+ iPhone dock that does a one up on the case, because not only does it come with a gas detector, but it also has a built-in smoke detector and alarm.

iPhone Carbon Monoxide Detector Case: This Case Could Save Your Life

By Hazel Chua on 06/24/13 • [Leave a comment!](#)



Carbon monoxide kills. You won't know you're being exposed to it though, because the gas is odorless, tasteless, and colorless, unless you have a detector that will alert you to its presence. It could happen at home, at your office, and even in your car, but most people don't have detectors installed in all of these places.

Dressy Shirt Features Microfiber Patch To Clean Your Gadgets With

By David Ponce on 06/25/13 • [Leave a comment!](#)



Smudges here, smudges there... no matter how oleophobic your gadgets claim to be, they'll always smudge to some degree. You can live with it, or obsessively wipe them every chance you get. If you happen to be wearing this Oxford Shirt from VoyVoy, you can just tuck out one of your front shirt tails and wipe your device with the patch of microsuede sewn on the inside. Because everyone knows that microfiber cleans better than regular fiber, right? That's gotta be worth the \$98 asking price for this shirt... Right?!

The Modern Day Technophile Does Not Play Fetch With His Dog Like Regular People

By David Ponce on 06/24/13 • [Leave a comment!](#)



The iFetch device pictured above will throw a ball 10ft, 20ft, or 30ft., so that you don't have to. It's meant to be used entirely by your dog, without your intervention. It features a large funnel shaped opening that your pup will hopefully learn how to use, and is activated by the introduction of a ball. Take your pooch to a park, set this on the floor and watch as your canine amuses himself with minimal intervention on your part. If the animal was any smarter, it would resent you for not "spending quality time with it". Or maybe it'll do that anyway. I don't own a dog and never have; will they even notice?

Both You And Your Kid Will Get A Kick Out Of The Longboard Stroller

By David Ponce on 06/24/13 • [Leave a comment!](#)



Are you going to be the boring parent that shuttles his child around in an old fashioned stroller? Four wheels and two handle bars cutting it for you? Yeah, we didn't think so. That's why we're digging the Longboard Stroller. It's pretty self-explanatory. It's still under development, so the features and construction isn't finalized, but it's pretty clear that once it's completed (or if), it'll be one badass mode of transportation/baby carrier. How legal it'll be, how much it'll cost and whether it'll even ever see light of day are questions we're not able to answer at the moment. Feel free to follow the link below to find out more about the project.

Hairy Leg Stockings To Keep Creepos From Hitting On You de 133

By David Ponce on 06/20/13 • [Leave a comment!](#)



Loopwheels Move The Bicycle's Suspension Directly Into The Wheel

By David Ponce on 05/06/13 • [Leave a comment!](#)



People are fond of saying that you can't reinvent the wheel, but if you take a look at the LoopWheel, you realize that's not entirely true. The device uses a regular, off the shelf tire, rim and hub, but it replaces the common spokes with a flexible carbon-composite system that gives suspension *directly to the wheel*. By making the new loopy "spokes" flexible, the LoopWheel's hub is able to go off-center by as much as 45mm (1.7 in.), effectively giving it a suspension with 1.7in of travel. Granted, that's not mountain bike material, but the LoopWheel isn't intended as such. Currently only being produced in a 20in. size (a small bicycle wheel size), they're intended to be used in folding bikes or any other compact bikes that wouldn't normally be able to fit a regular suspension system.

NDūR Survival Straw Lets You Drink Filthy Water In Case Of Emergency. Or For Fun

By David Ponce on 05/06/13 • [Leave a comment!](#)



If you're going to venture out into the wilderness, it's always a good idea to have backup plans in case your infallible sense of direction ends up failing miserably. What do you do if you're stuck out there for a few days with nothing but muddy water all around to keep you hydrated? The NDūR Survival Straw is an inexpensive product that can go a long way to keep you alive. Featuring a fairly sophisticated water filtration technology from Seychelle, the straw claims to "eliminate up to 99.9 percent of micro-organisms, up to 99.99 percent of all chemicals and heavy metals, and up to 99.9999 percent of viruses and bacteria." All you have to do is dip the straw in the stream, and drink away. It's able to treat up to 25 gallons (95 l) of water before needing replacement. Best of all, it's only \$30. That's a perfect pricepoint for anyone to consider making this a permanent member of their outdoors survival kits.

Paytouch Lets You Buy Stuff Using Your Fingerprints

By Hazel Chua on 05/01/13 • [Leave a comment!](#)



Paying for stuff just got easier with Paytouch. Of course, it'll depend on the number of establishments that will choose to roll out the system in their stores, but the premise of the technology is simple: you pay with your touch. Basically, Paytouch links your credit card information with your fingerprint so all you have to do is have the machine scan your fingerprint whenever you want to make a purchase.

It completely eliminates the need to carry cards anymore. Heck, you could even do without carrying a wallet when you go out anymore, since all you'll need are your fingers (which happen to be conveniently attached to your body).

You Can Allegedly Wear This Shirt Non-Stop For 100 Days

By David Ponce on 04/29/13 • 1 Comment



RC Car With Raspberry Pi As Brain Can Be Controlled From Anywhere In The World

By David Ponce on 04/29/13 • Leave a comment!



RC cars are fun to play with, but they're usually limited by the range of the controller's antenna. The small size of the Raspberry Pi make it an ideal component with which to play around and try to extend that range from a few hundred feet to *anywhere on the planet*. On IBM's WebSphere Application Server development community site, some engineers have posted a home-made RC car with the Pi in charge of steering, and accelerating, all done through WiFi. The setup is fully self-contained, with the battery powering the diminutive computer as well as the car itself. As long as the Pi is receiving a strong Wi-Fi signal from somewhere and you know how to configure port forwarding, you can drive this thing from anywhere on the planet. Heck, you could possibly even drive it from the International Space Station.

It's About Time: Holder for French Fries That Fits Your Car's Cup Holder

By Hazel Chua on 04/23/13 • 1 Comment



One rule prevails when it comes to French fries: Eat it while it's hot. It gets soggy fairly quickly, especially if you keep it inside the take-out bag. Unfortunately, you can't eat while driving, because you'd have to hold the fries in one hand and drive with the other—and that's just a very unsafe thing to do.

Predator Helmet Could Help You Get Some Respect On The Road ide 140

By David Ponce on 04/23/13 • [Leave a comment!](#)



This is one badass looking helmet. Based on a regular helmet structure (and thus, safe), Russian-based NLO Moto sculpts with fiberglass, carbon fiber and polycarbonate a crazy looking helmet reminiscent of the Predator. It's complete with a dreadlock mullet and a tri-laser LED light, which can be upgraded to become a (possibly illegal) actual tri-laser. Other upgrades include carbon spearheads that attach at the tip of the dreadlocks, and "top level airbrushing". Keep in mind that this is all on top of the base price, which stands at a hefty \$780. That's a lot of money to spend on a motorcycle helmet, so here's hoping your ride is equally impressive.



You're Enabling Them: iPad Attachment Brings 12X Zoom To Its Camera

By David Ponce on 04/23/13 • [Leave a comment!](#)



Going to a concert and holding your iPhone up in the air the whole time is bad enough for the people behind you that are trying to see. But it's not half as bad as those that think it's ok to whip out an iPad to do the same. Fellas: it looks stupid, and is inconsiderate to those behind you. We're going to stop the sermon here, however, because we imagine there might be times where taking a shot with an iPad isn't ridiculously inappropriate, and someone somewhere might be interested in an attachment that can confer some serious zooming abilities. The The iPad Telephoto Lens gives the iPad 3 & 4 a 10X zoom, and the iPad Mini a 12X factor. The lens also adds some vignetting and "a lo-fi look", which we imagine will be appealing to hipsters worldwide. Better yet for thrift-store-chic, budget-minded hipsters, is the price: \$25.

Feeling Smug With Google's 1Gbps Internet? Japan Laughs With Its 2Gbps Service

By David Ponce on 04/19/13 • 3 Comments



It's easy to see Google Fiber's burgeoning gigabit Internet service as a harbinger of a new era in the US. Certainly, with average speeds of 7.2Mbps, 1Gbps is in a completely different league. But Japan doesn't waste any time in reminding the world just how much better they have it. Nuro, a service backed by Sony, has announced the availability of 2Gbps Internet down, with 1Gbps up. This would allow you to download pictures of cats in a fraction of time so small there's likely no word for it.

And how much are the Japanese to pay for this otherworldly service? A price so high only the rich can afford? You know it's cheap: "Nuro charges ¥4,980 (US\$51) a month on a two-year contract, but there's a steep ¥52,500 (US\$535) installation fee that is currently waived for those who apply online."

These Are Fancy Corn On The Cob Holders

By David Ponce on 04/17/13 • [Leave a comment!](#)



Lana Filippone designed the above T-Rex corn of the cob holders. She actually designed a bunch of them as part of a design competition for Imm-Living, which she won. That means that not only are they really cool to look at, they're going to be made available for you to purchase soon. We're not sure when, or for how much. But you can hit the jump for more pictures and links.

This Sweater Instantly Gives You a Chest Full of Hair

By Hazel Chua on 04/11/13 • Leave a comment!



Some guys have it in their genes to have a full chest of hair while others don't. If you're trying to prove something or just want to wear something ridiculous or funny (or both), then you might want to grab this 70s Hairy Chest Sweater. It's the only sweater you'll find that packs on loads of body hair along with some choice bling to give you the hair-rific body that you've always dreamed of having (or not having.)

DropStop Plugs The Black Hole On Either Side Of Your Car Seats

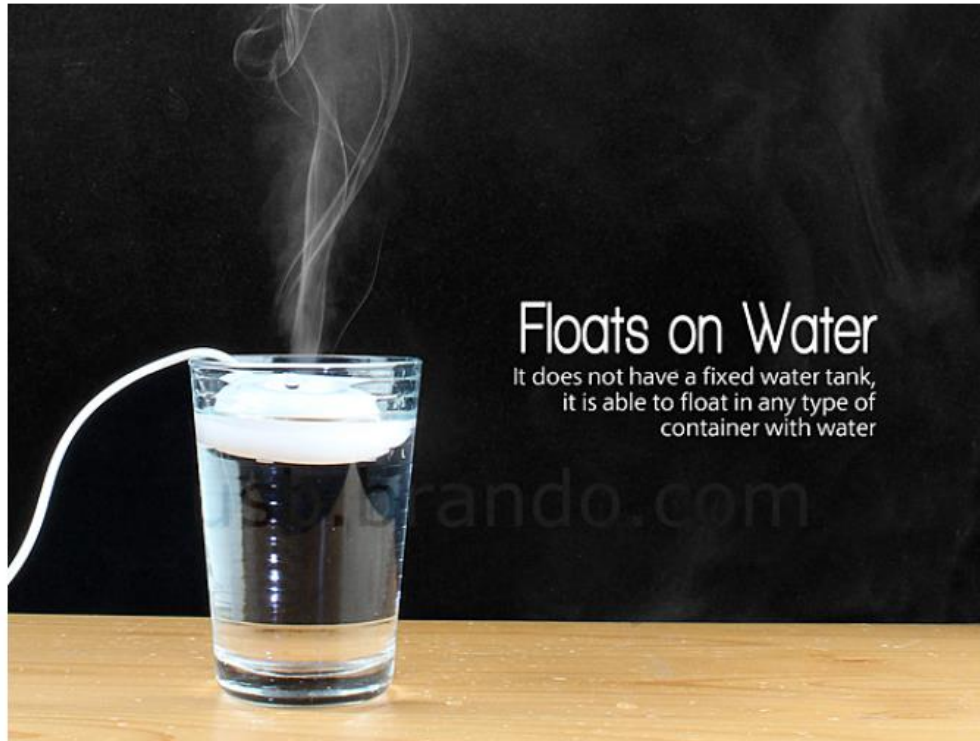
By David Ponce on 04/03/13 • 1 Comment



If you've driven for any period of time, you know that the best way to lose any personal item is to drop it in the deep, dark canyon on either side of your seat. It's an annoying "feature" of pretty much every vehicle on the road, but luckily, Marc Newburger and Jeffrey Simon may have found a solution. It's called the DropStop and is essentially just a foam tube with a reinforced opening through which the seatbelt fits. Stuff it into the opening and watch in awe as pennies, phones, keys, important receipts and anything else falls within easy reach, instead of what the company calls "The Carmuda Triangle." It'll work with almost and make and model, and \$20 will get you a set, along with a credit-card sized LED flashlight.

Tiny USB Humidifier Uses Whatever Liquid It Floats On

By David Ponce on 03/28/13 • [Leave a comment!](#)



Sometimes you're working in an office so dry, your throat feels like parchment. If management refuses to do anything about it, why not take it into your own hands and bring a humidifier to work. Most of these are large-ish devices, but the USB Doughnut Humidifier isn't. It's shaped like Homer Simpson's favorite snack, is much smaller than a standard donut, and is powered through USB. But the real innovation is in that it requires no separate water tank, instead using whatever liquid you decide to place it on. Glass of water on your desk? Check. Bowl of water that you keep for the resident cat? Check.

It comes in three colors, has a timer feature and costs all of \$16. Hit the jump for a few more pictures of the device, plus links.

Rice Krispy Treats Zombie Wants You to.. Eat Its Jello Brains?

By Hazel Chua on 03/27/13 • Leave a comment!



Do zombies have brains? I used to think that they didn't, considering the fact that they move like unthinking beings. At least, that's what they do on *The Walking Dead* anyway. Note that I said I 'used to', because if this edible bust of a zombie is to be believed, then it means that the undead are walking around with a brain in their not-so-thick-skulls—a brain made of Jello.

Obviously, I only mean this extremely awesome-but-gruesome zombie cake that was made by the Artisan Cake Company using Rice Krispy Treats, fondant, petal dust, and a whole lot of food coloring.

Tongue2Teeth Mouth Accessory Lets You Clean Your Teeth With Your Tongue

By David Ponce on 03/25/13 • Leave a comment!



Ever run your tongue over your teeth after not brushing them for a day? It's pretty gross. But what if instead of grossing yourself out, you could clean them, discreetly, while doing just that? The Tongue2Teeth hygiene product is a tooth cleaning product that slips over part of your tongue, and allows you to get at least somewhat clean while on the go. The product has a coating that kills bacteria, as well as freshens your breath and whitens your teeth. The bristles presumably do a little mechanical abrasion

Face Stealer App: Letting People Steal Other People's Faces, One Face At a Time

By Hazel Chua on 03/19/13 • [Leave a comment!](#)



Eyes too small? Nose a little bit crooked? Cheekbones too high for your taste? Everyone has something to complain about how they look. Perhaps it wasn't the intention of the Face Stealer app to make people feel better about their looks, but I think that's what most people will end up feeling after they 'steal' a couple of faces and try them on for size using this app.

So it's not the most sophisticated face merging app there is, but it does the job fairly well and it's for free.

Walhub: Functional Switch Plates that Turn Your Wall Into a Hub

By Hazel Chua on 03/14/13 • 1 Comment



Light switch plates take a decent amount of space on your wall, but they don't really serve any other purpose except to encase your light switches. On the other hand, there seems to be an eternal shortage of hooks and shelves for all your stuff like keys, umbrellas, and even your phone. Taking both into consideration and finding an appropriate solution to address it is the Walhub.

The Post-It Table For The Creative Types

By David Ponce on 03/14/13 • 1 Comment



The Post-It Table from Italian design firm SoupStudio surfaced last year, but when has the fact that something isn't brand new stopped us from reporting on it before? We think the design is creative and would certainly appeal to anyone who likes to doodle, draw, take notes or otherwise set ink or color on dead tree paper. Unlike simply setting a large slab of papers on a table, we imagine that once you've filled one sheet, you can detach it and stick it on another surface. That's what's cool about this table. What isn't cool however is the fact that it doesn't look like you can buy it. It appears to be one of those one-off prototypes, meant to showcase a firm's creative talent, rather than a consumer product. Which is sad because we suspect there'd be a decent market for this thing.

Eau de Zombie: Now You Can Smell Like the Living Dead

By Hazel Chua on 03/13/13 • [Leave a comment!](#)



Slot Sofa Should Have Been Called Tetris Sofa

By David Ponce on 03/13/13 • [Leave a comment!](#)



With someone with a hammer, everything looks like a nail, so we suppose it's normal that having spent the best part of our lives gaming, Tetris was the first thing we thought of when we set eyes on the Slot Sofa. A handmade creation by Matthew Pawk, pictures of its existence first surfaced a year ago. But the Internet being what it is, they're going viral again lately, and we've just noticed the item.

Mycestro is a Computer Mouse That You Put On Your Finger

By Hazel Chua on 03/06/13 • [Leave a comment!](#)



For years, people have been creating mock-ups of a computer mouse ring concept that'll let users replace their current computer mice with something they can wear on their fingers. Now people can stop imagining because Nick Mastandrea has taken that idea and turned it into a reality with the Mycestro.

The Mycestro is a 3D mouse that allows its wearer to control his or her computer with hand gestures, and of course, the basic mouse functions. The handy device is fitted with a touch-sensitive panel that you're supposed to touch to initiate cursor movement. It connects to your computer via Bluetooth and has a range of up to thirty feet. Pretty impressive and extra useful, especially when you're making presentations.

Mounting A Smartphone Onto A Tripod Doesn't Get Much Easier Than This

By David Ponce on 03/06/13 • 1 Comment



The camera on many of today's phones is decent enough that some people feel the need to prop them up on a tripod and use them as semi-serious video/photography tools. There is, obviously, no tripod mount on phones, so the marketplace is dotted with an array of devices meant to remedy this. By far the simplest we've seen is the JackPod pictured above. One side screws on to a standard tripod, the other simply plugs into the audio jack present in pretty much any phone out there. Depending on the model of mobile you've got however, this may cause orientation issues, as would be the case with any iPhone before the 5. Still, if you have \$10 to spare and the device you own has its jack in a place that doesn't force it upside down when shooting, then head on over to the Kickstarter link for a pledge. If all goes well, it'll ship by May.

myIDKey: Your Passwords and Sensitive Account Information At the Tip of Your Finger

By Hazel Chua on 03/05/13 • 1 Comment



You'll notice that life gets progressively harder when you have more email address, bank accounts, or social network profiles than the average person. Because while you might be more social or have more money, and thus, more cards to maintain, you'll pretty much have the same memory capacity as anyone else. In other words, you'll have a much harder time keeping track of all your passwords, PINs, and account numbers.

Then along came myIDkey.

Lasso Slippers Pack Flat, Assemble In Seconds



Don't Go To The Mirror, Let The Mirror Come To You

By David Ponce on 02/27/13 • [Leave a comment!](#)



You gotta love first world problems. Oh, you're annoyed you have to lean over the sink to get close enough to the mirror and pop that pimple? Cool story, bro. Here, have a solution you absolutely don't need for the problem you just invented, you lazy bastard, you! But hey, if there's money to be made, someone somewhere will try to sell it. The Miior is a bathroom mirror that's mounted on an extending scissor arm, much like the smaller side mirrors some restroom mirrors have, only this time the whole thing moves forward. Pull on it, and it's pressed up against your face, right where you want it so you can examine the pores on your forehead with greater efficiency.

Attaching A Scooter To A Carry-On Bag? If That's Not Genius, What Is?

By David Ponce on 02/27/13 • 2 Comments



It's been out for a bit, so bear with us. But having seen the Micro Luggage Scootcase for the first time only recently, we were duly impressed and decided to write about it anyway. It's a hard-shell, cabin-sized luggage with a built-in kickboard scooter! Running late to catch your next flight? Deploy the scooter, roll past everyone and arrive at your gate on time without even breaking a sweat. It's genius.

It was developed by Micro, a Dutch scooter company, in conjunction with Samsonite over a period of 3 years (no word on why it would take 3 years to develop something like this), so you know you're not getting some cheap piece of garbage. The scooter is non-detachable so if some overzealous TSA agent takes a power-trippy objection to it, you may have some problem. But we don't think there's any regulation against scooters in airports, is there? Better be sure, because as cool as this is, it's not cheap: €299, or about \$390.

Control Your Computer With The Electricity In Your Arm

By David Ponce on 02/27/13 • [Leave a comment!](#) 

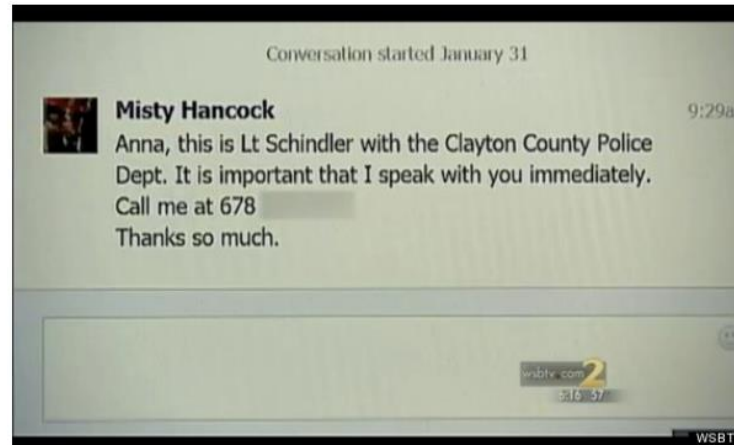


The MYO Armband is yet another entrant in the gesture control field. Crowded by the likes of Microsoft's Kinect, or the vastly more promising [Leap Motion Controller](#), the MYO uses innovative new technology to interface with you. It's kind of interesting and could actually give it an advantage over the other ones. Instead of using image recognition, the MYO has a sensor to detect the electrical impulses in the muscles of your forearm. This, alongside a motion detector, allows the armband to resolve your hand and arm movements with extreme precision, down to the individual fingers. It may even seem at times that your finger twitch is detected even before you've actually done so: this is because the muscles are activated slightly before your fingers actually start moving, and the MYO picks the signal up first.

So what can you do with it? That's still in development. There's going to be an API, and it will work with PCs and Macs, but the specific kinds of things you can do is up in the air. We're thinking mouse replacement, but of course it's much more than that. 3D model manipulation, gaming... If done right, the possibilities are, as they always say, endless. The best part is the price: \$149, to be released late this year. And yes, you can pre-order now.

Atlanta Police Use Facebook To Inform Mother Of Her Son's Passing

By David Ponce on 02/21/13 • Leave a comment!



On January 24 at around 11pm, Rickie Lamb of Clayton County, Atlanta, was fatally hit by a car as he was crossing the street. It then took the family almost a month to find out about it because of the police department's bizarre use of Facebook. The department first allegedly tried to contact his next of kin through "conventional methods" but were unsuccessful. So they sent Rickie's mother and sister a message on Facebook, telling them to call back urgently. The problem was that the police was using an account under the name "Misty Hancock" with rapper T.I. as the profile picture, and since they weren't friends with the mother of the deceased, their message ended up in the "Other" folder of Facebook's messaging system. Which is where it sat for a few days, until Anna Lamb-Createy (the mother) thought of checking there. But even then, she didn't call the number provided because of the strange name and profile picture. It took a full 20 days until Rickie's sister, in desperation, decided to try the number just to see. Sure enough, that's when the officers gave them the bad news.

Samsung Refrigerator Now Dispenses Soda Water

By David Ponce on 02/20/13 • Leave a comment!



Add An Electric Propeller To Any Home Made Paper Airplane, And Control It With Your iPhone

By David Ponce on 02/13/13 • [Leave a comment!](#)



TaylorToys have been making the PowerUp systems for quite some time now, but their new 3.0 version has iPhone control. That's awesome, but let's start at the beginning, because we'd never even heard of the 1.0 or 2.0. The PowerUp devices are little electric propellers that clip onto the tip of your paper airplane, and give it some thrust. This way, gravity, aerodynamics and paper airplane engineering aren't the limiting factors; battery life is. And yes, this works with just about any paper airplane, from the shitty to the elegant. The 3.0 version seems to have added iPhone control, though we don't have any details on just how well the plane is controlled with this scheme. It would appear that the new device doesn't just give the plane forward thrust, but would allow you to steer as well. Considering the toy just won Popular Science's Best of Toyfair award, we're going to go ahead and assume it's pretty well done.

They should be available later this year for an unspecified price. Considering previous generation models are going for around \$17, we can't imagine it'll be that expensive.

Boarder Kontrol Is A Braking System For Snowboards

By David Ponce on 02/13/13 • 1 Comment



Snowboarding isn't hard, but it also isn't the most intuitive sport to pick up. That's why a company called Streetboardz has developed the Boarder Kontrol system you see above. It's a braking system that gives novice snowboarders the one thing they always wish they had: instant manual braking. It's not meant to stay there forever, but like the training wheels on a bicycle, the Boarder Kontrol can give a beginner that extra bit of confidence needed to get started carving snow.

preserving data for millions of years

By **Chris Welch** on September 27, 2012 01:03 pm [Email](#) [@chriswelch](#)

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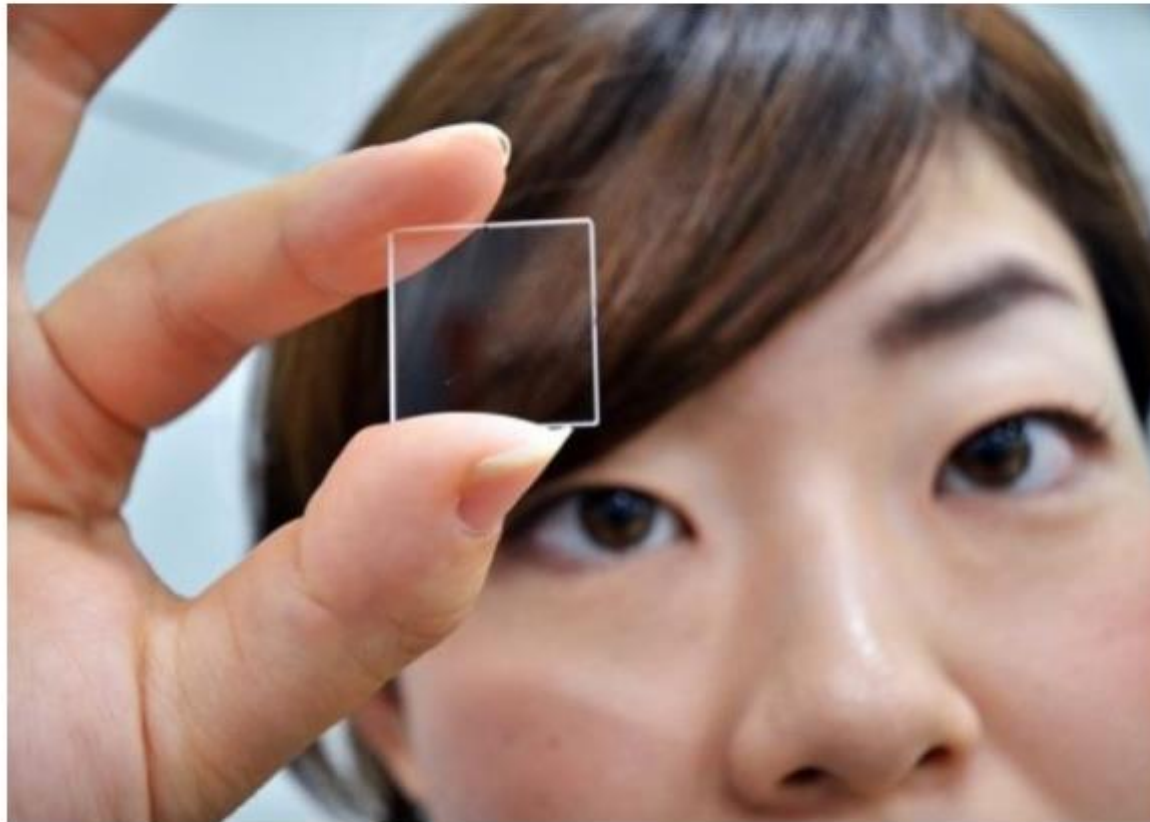


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Hitachi has managed to develop a long-term data storage solution it claims can preserve information for hundreds of millions of years. The technology, announced earlier this week in Tokyo, utilizes a high-precision laser to embed dots of binary code across a tiny piece of quartz glass. From there, an optical microscope (paired with a computer capable of deciphering the imprint) can be used to recover the original data. Hitachi's solution would be able to survive nearly any doomsday scenario you can imagine: the 2-centimeter square of quartz glass is essentially fireproof — the company heated one sample at 1,000





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Tesla to join the Nasdaq 100 as Oracle departs for the NYSE

By **Melissa Grey** posted Jul 9th 2013 6:19PM

13 



As of Monday, July 15th, [Tesla Motors](#) will be included in the Nasdaq 100, a list of the largest non-financial stocks on Nasdaq's index. A spot in that elite group opened up when [Oracle](#) announced that it would be moving to the New York Stock Exchange, making it ineligible for inclusion on Nasdaq. The news seemed to please shareholders, and at the time of this writing, Tesla's stock had surged ahead nearly 2 percent. The company's entry into the Nasdaq 100 is a sure sign that its forward trajectory is nigh unstoppable -- at least for now. With an overall stock gain of nearly 260 percent in 2013, Tesla Motors just keeps on truckin'.

JVC's upgraded GC-XA2 ADIXXION action camera is really, really hard to put down

By **Darren Murph** posted Jul 9th 2013 5:47PM

23 



Look, we all know someone suffering from an insatiable appetite for [\[insert vice here\]](#). But if you've ever met someone who picked up the OG [ADIXXION](#), you probably understand just how fixated on a [single product](#) one can become. Keeping the fix going is JVC, who has introduced the latest -- and perhaps *most* addicting -- ADIXXION yet. The GC-XA2 is obviously designed to rival anything in the space that GoPro presently owns, boasting a water-, shock-, dust- and freeze-proof enclosure and mounting options galore. [on-camera-rugged/](#) |

Satellite startup Kymeta announces \$50 million in funding from Bill Gates and other backers

By Sarah Silbert posted Jul 9th 2013 5:25PM

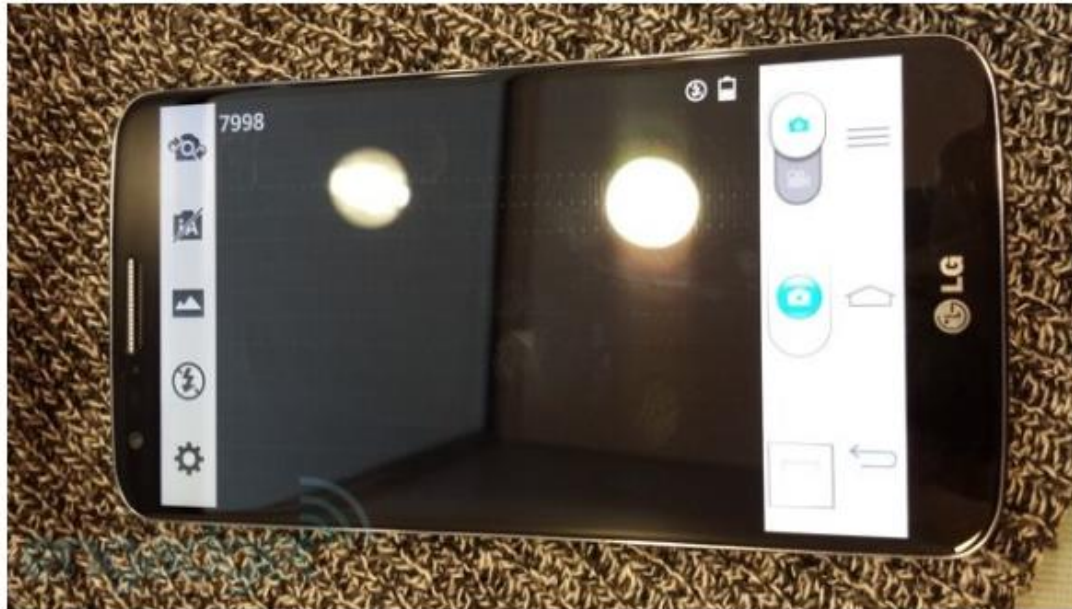


It's been nearly a year since Intellectual Ventures [announced](#) its satellite communications spinoff Kymeta, but a recent round of funding from heavyweight backers is about to give the company some serious momentum. In a press release today, Kymeta announced \$50 million in Series C financing from Bill Gates, Liberty Global and Lux Capital, among other high-profile investors. The company, which is developing a portable satellite broadband receiver under the mTenna brand, currently counts Gates among its board members. Though its products have yet to hit the market, Kymeta's A-list backing has generated significant interest in its tech, which utilizes metamaterials to deliver stronger broadband signals in a more affordable, energy-efficient package. The company is already in talks with several service providers, and this latest influx of cash should only help expedite development agreements and a commercial launch.

A clear look at LG's upcoming Optimus G2 (update 2: video)

By **Joseph Volpe** posted Jul 9th 2013 5:05PM

114 



There's still one month to go before [LG officially unveils its Optimus G successor](#), but thanks to an anonymous tipster, we have a pretty clear idea of what it'll look like. Similar to the [G2 leaks](#) we've seen in the past, this upcoming Android flagship falls more in line with the (LG-made) Nexus 4's rounded-edge design than the blockiness of the original Optimus G. As you can see in the image above, the purported G2's 5.2-inch, 1080p display is surrounded by very little bezel, making it appear near edge-to-edge. LG's also foregoing the three capacitive Android navigation buttons featured on the original G in favor of an onscreen (stock Android-like) arrangement. On back, we can clearly see LG is indeed going forward with that [quirky volume rocker placement](#), which puts the controls just below the camera -- rumored to be a 13-megapixel module.

Rumor Mill: Apple iPad 5 Might Be Launching In September

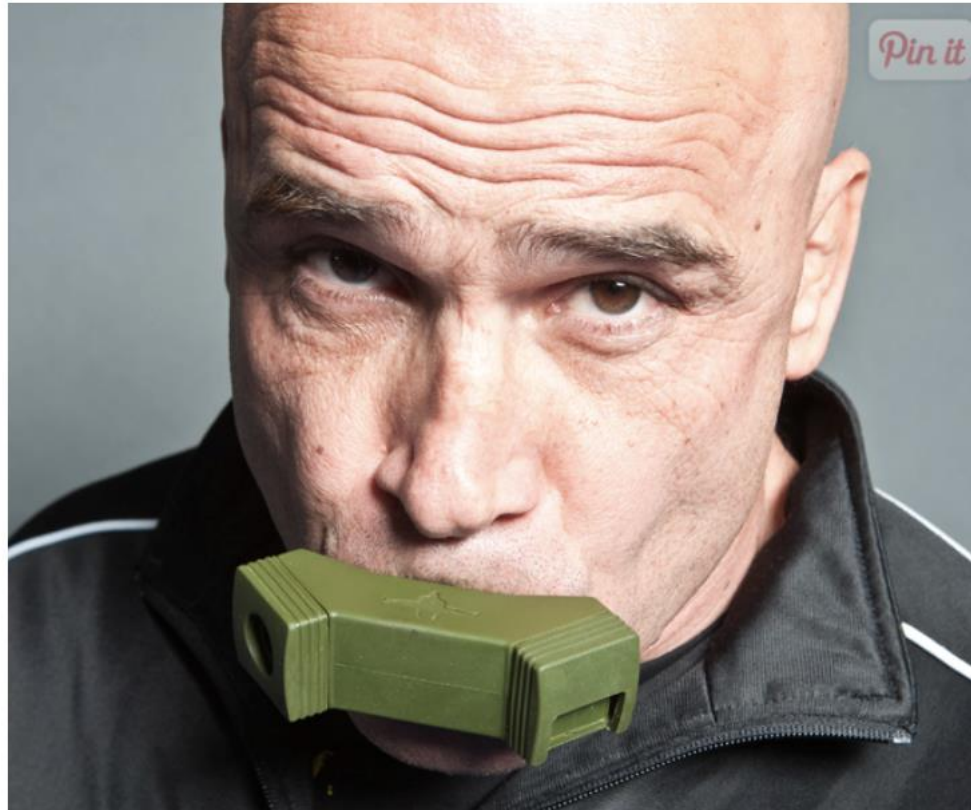
By Hazel Chua on 07/09/13 • [Leave a comment!](#)



So everything looks good for Apple's iOS 7. Some of the features aren't really as novel (especially for Apple users who also happen to own Android devices) but hey, at least Apple's listening to their users. It's expected to be released this September, along with the rumored iPad 5. It's the much-awaited follow-up to the existing iPad, and staying true to Apple's style, you can expect the latest and the yet-to-be-released version to look the same.

O2 Trainer Is Resistance Training For Your Lungs

By David Ponce on 07/09/13 • Leave a comment!



If you're pretty serious about your fitness, you'll know that resistance based training is essential in getting bigger muscles, which is often synonymous with better performance. But the lungs are almost always overlooked in a resistance training regimen, which is where the Bas Rutten O2 Trainer comes in. It's a silicon/polymer device that fits in your mouth like a snorkel mouthpiece and features a variable diameter intake, and an exhaust on the side. The intake is covered by interchangeable adaptors of varying sizes, which get progressively smaller as you increase the resistance exerted to take a breath in.

SolePower Charges Your Smartphone One Step At A Time

By Hazel Chua on 07/08/13 • [Leave a comment!](#)



SolePower is another contraption that lets you charge your smartphone through a very basic action that everyone does at some point during the day: walk. Similar concepts have been proposed before, but a group is finally taking action and their proposed device is called SolePower. It's dubbed as a "power-generating shoe" that allows the wearer to charge portable electronics like smartphones, MP3 players, and tablets as they walk.

Instead of being embedded into the actual shoe, SolePower is a separate, removable insole that you can swap and insert into whatever pair you've chosen to wear.

Barbie Gets Real: Artist Creates Barbie Doll With a 'Realistic' Body

By Hazel Chua on 07/05/13 • Leave a comment!



Nubrella is a Funny-Looking Hands-Free Umbrella

By Hazel Chua on 07/05/13 • Leave a comment!



Would You Wear Man Hair? Check Out These ‘Fur’ Coats Made From Men’s Chest Hair

By Hazel Chua on 07/04/13 • [Leave a comment!](#)



This fur coat is definitely unusual. In fact, some might find it downright disgusting, as it's definitely not what it might appear to be. What you think is the fur is actually hair—hair from the chests of living, breathing men. If you're wondering why someone would create ~~an abomination~~ a coat like this, then wonder no more: it's part of an ad campaign by dairy company Arla.

DUO Camera Splits Into Two So You Can Shoot Two Perspectives For a Single Scene

By Hazel Chua on 07/03/13 • [Leave a comment!](#)



Sometimes, one camera just isn't enough. Whether you want to shoot another perspective simultaneously or have a subject that's too big for a single frame, neither is a problem when you've got the DUO camera. It's basically a binary camera concept by [Chin-Wei Liao](#), where one camera is actually two.

Visor Glasses Prevent Facial Detection to Protect Your Privacy

By Hazel Chua on 07/02/13 • [Leave a comment!](#)



If you value your privacy, then you're probably wary about surveillance or security systems that use facial recognition programs or snap pictures of passersby. They're widely used these days, and you might've already resorted to wearing sunglasses to protect your privacy. However, sunglasses alone won't be enough to prevent detection on facial recognition systems.

For that, you'd probably need something like these privacy visors that were developed by Japan's National Institute of Informatics.

This Crowdfunded Project Hopes To Have A Working Hoverboard By 2015

By David Ponce on 07/02/13 • 2 Comments

HOVERBOARD FRAME CONCEPT

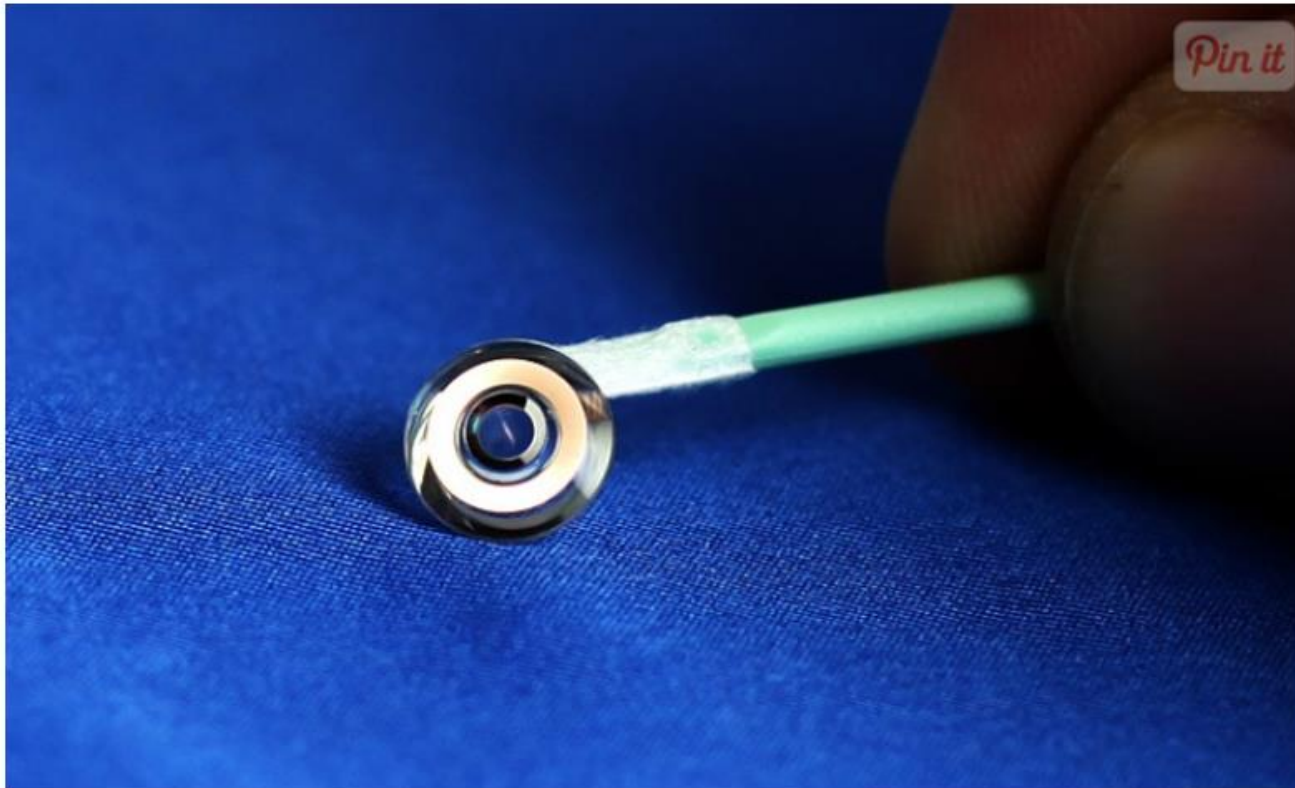


Let's call this one a really long shot. One Robert Haleluk has launched an IndieGogo campaign, hoping to raise \$1 million, with the aim of developing a working hoverboard by 2015. Yes, that's the same year that Marty McFly hops on the device in the movie. And no, it doesn't plan to use some form of magnetic levitation (or whatever it is in the flick), but good ole propellers:

The boards would be constructed from a honeycomb carbon fiber to keep weight to a minimum. In terms of power source, Haleluk is looking at two promising new lightweight battery technologies – a Lithium-Air battery in development by IBM with the goal of powering a car for up to 500 miles on a single charge or a unique energy device being researched by Stanford which can store power in a sheet of paper with special ink infused with carbon nanotubes and silver nanowires. Of course, neither of these technologies is in production yet, so that certainly creates a risk factor for the Hoverboard project. Current off-the-shelf battery technologies would likely be

Telephoto Contact Lenses May Be Right Around The Corner

By David Ponce on 07/02/13 • [Leave a comment!](#)



Imagine putting your contact lenses on, flicking a switch, and suddenly getting magnified vision. If the project by a team of researchers from the US and Switzerland (led by University of California San Diego Professor Joseph Ford) ever becomes a commercial product, you may be able to do just that. Initially developed for patients with macular degenerative disease, the lenses feature a telescoping area in the center, which can provide 2.8X magnification:

www.california.com

3D Printed Cast Lets You Scratch And Wash

By David Ponce on 07/01/13 • [Leave a comment!](#)



The Cortex Exoskeletal cast shown fitted snugly on the patient's arm giving lightweight but super strong support exactly where needed for this particular wrist fracture. No more heavy weight, malodorous bulk for this lucky patient.

Discreet and thin there is no problem wearing a shirt and suit jacket over the

Fully washable and shower friendly and eco friendly too

The 2013 MKZ. In showrooms now.

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The only good thing about being in a cast is that you get to have all your friends draw stuff all over them. Once you're out of high school however, that starts getting old pretty quick. Instead, you're left unable to scratch or wash your limb for weeks, which sucks. Luckily, advances in 3D printing may change all that. Called the Cortex, the 3D printed cast pictured above is a concept and prototype from Victoria University of Wellington graduate Jake Evill that could one day replace the casts of today. Made from a complex honeycomb structure, it allows for air and water to circulate, as well as making it possible to scratch and clean your skin. Sounds wonderful.

Poppy Turns Your iPhone Into a 3D Camera

By Hazel Chua on 06/27/13 • [Leave a comment!](#)



3D is all the rage these days, and if the people behind the Poppy are successful, then you might just be able to transform your iPhone into a 3D camera. If you take a closer look at it, the Poppy sort of looks like a Viewmaster, doesn't it? That's because its creators were actually inspired by these stereoscopes that were so popular in the eighties.

The Poppy has a slot in the middle where you're supposed to insert your iPhone or iPod Touch. Only the iPhone 4, 4S, iPhone 5 and the fifth generation iPod Touch are compatible with the device. There are mirrors in the Poppy which allow your iPhone camera to capture two stereographic images.

Thank You