

The  
WHEREEVER  
is missing?

**WATCH  
WHATEVER  
WHENEVER.**

With Sony's Betamax SL-8600 video recorder, you can see any TV show you want to see anytime you want to see it. Because Betamax, which plugs into any TV set and is easy to operate, can videotape a show up to three-hours long (with the L-750 videocassette) while you're doing something else—even while you're out of the house, by setting the electronic timer.

It can also videotape something off one channel while you're watching another channel.

And remember, Sony has more experience in videorecorders than anyone (over 20 years!). In fact, we've sold more videorecorders to broadcasters and industry than any other consumer manufacturer. We even make our own tape.

For years you've watched TV shows at the times you've had to. Now you can watch them at the times you want to.



**SONY BETAMAX**  
THE LEADER IN VIDEO RECORDING

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# CUTTING THE CORD

How to use the Internet to replace traditional Phone, TV and Internet service providers



# OUTLINE

- **Part 1 :**
  - Traditional & Non-Traditional Service Providers
  - Requirements
  - Replacing Phone Provider
  - Replacing your Internet Provider
  - Replacing your TV Content Provider
- **Part 2 :**
  - Benefits of '*Living la vida Mobile*'
  - Downsides to '*Living la vida Mobile*'

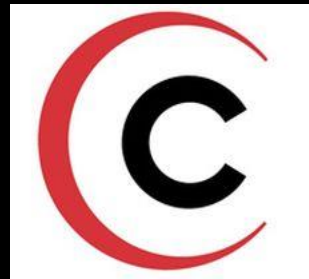
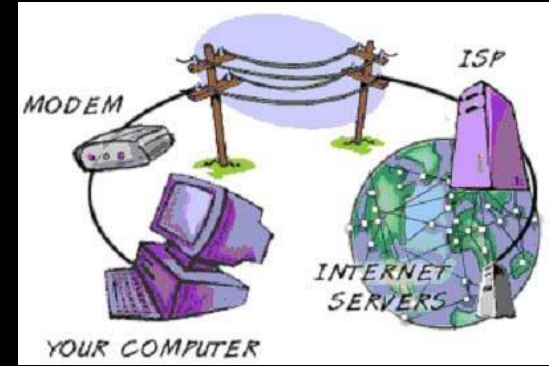
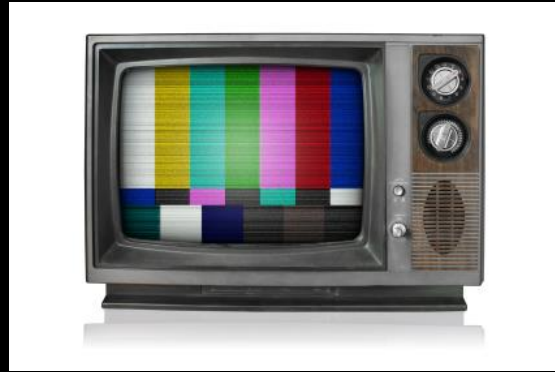


# THE INTERNET PROVIDES EVERYTHING

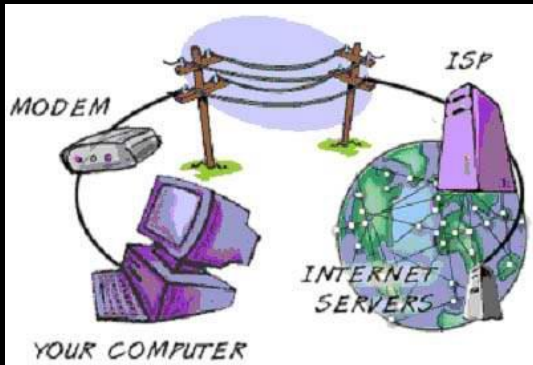


*By using the Internet, you can replace your traditional providers*

# TRADITIONAL SERVICE PROVIDERS

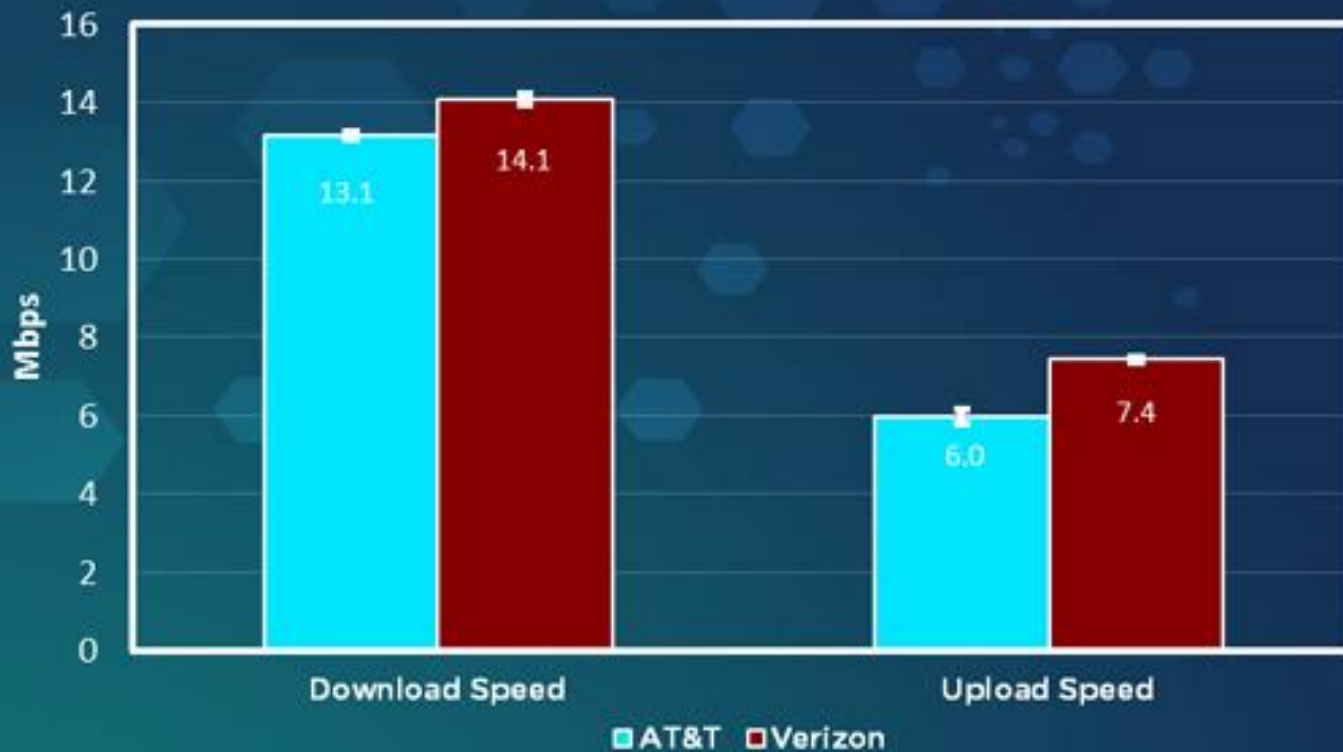


# MORE CHOICES



# 4G LTE AVERAGE SPEEDS

Average Download and Upload Speeds  
(15 Markets)



Average LTE

13-14 Mbps

T-Mobile4G

5-10 Mbps

ADLS2+

Up to 24Mbps

Comcast

Up to 105Mbps

# BANDWIDTH STREAMING REQUIREMENTS

## Voice and Music

Under 1.0 Mbps for Music and Talk

## Video

1.0 - 2.3 Mbps for SD video

2.3 - 4.5 Mbps for 720p video

4.5 - 9.0 Mbps for HDX 1080p video

Over 9 Mbps for 3D HD movies





# CUTTING YOUR HOME PHONE CORD



Cell Phone

# CUTTING YOUR HOME INTERNET



\$29<sup>99</sup>

Unlimited data

# CUTTING YOUR TV CORD



Clear as mud

# WHAT IS TV?



Content



Hardware



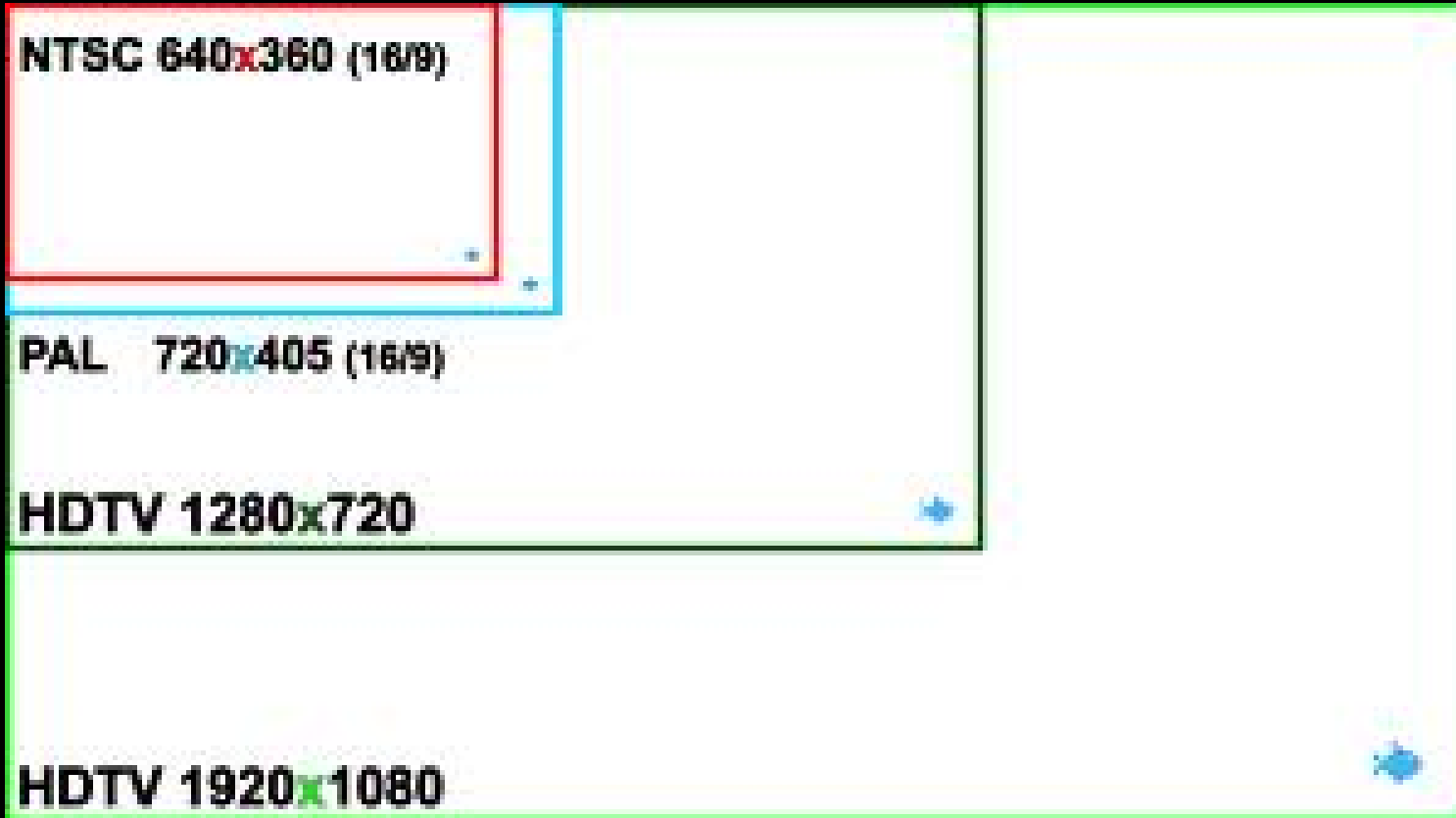
Service

# CUTTING THE SERVICE PROVIDER CORD



# BANDWIDTH STREAMING REQUIREMENTS

*Per Device*



## Video

- 1.0 - 2.3 Mbps for SD
- 2.3 - 4.5 Mbps for 720p
- 4.5 - 9.0 Mbps for 1080p

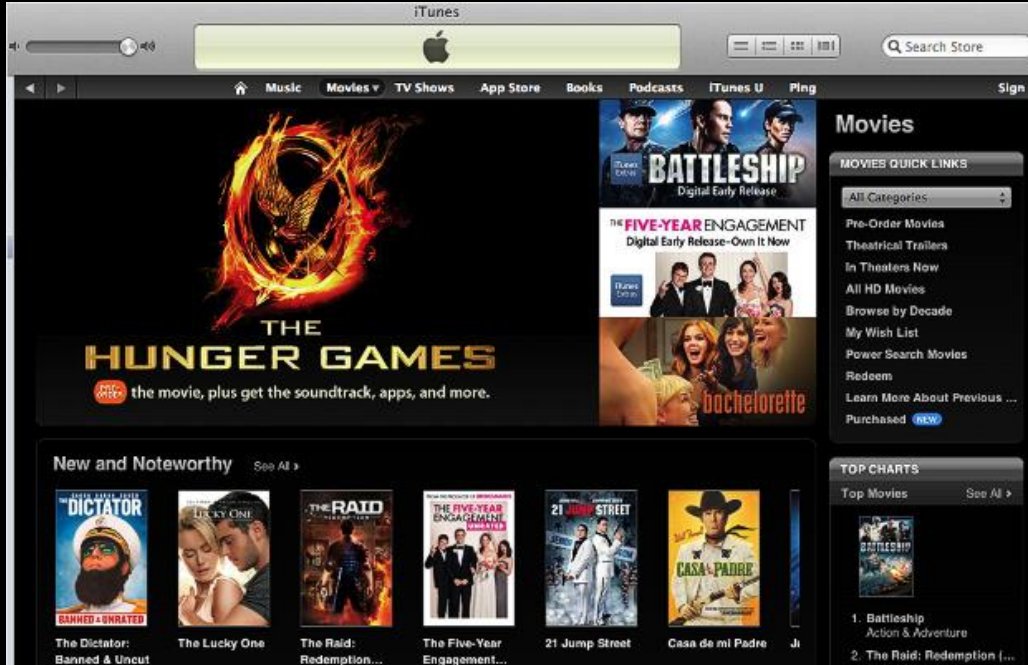
# CUTTING THE HARDWARE CORD



Any device is now  
your TV

# CUTTING THE TV CONTENT CORD

Download



iTunes

Streaming



Apple TV

VS.



# CONTENT STREAMING DEVICES



# WWW.STREAMINGMEDIADVICES.COM

## Broadband-Enabled Streaming Devices



	Apple TV 3rd Gen	Boxee Box By D-Link	Roku 2 XS	D-Link MovieNito Plus	TiVo Premiere	Microsoft Xbox 360	Sony PlayStation 3	Nintendo Wii	Sony SLP-N200	VIZIO Vizio Stream Player	WD TV Live Hub	WD TV Live Hub	NETGEAR Netgear NeoTV Pro
Name	Apple TV 3rd Gen	Boxee Box By D-Link	Roku 2 XS	D-Link MovieNito Plus	TiVo Premiere	Microsoft Xbox 360	Sony PlayStation 3	Nintendo Wii	Sony SLP-N200	VIZIO Vizio Stream Player	WD TV Live Hub	WD TV Live Hub	NETGEAR Netgear NeoTV Pro
Retail Price	\$99	\$179	\$99	\$79	\$149	\$199	\$249	\$149	\$99	\$99	\$99	\$179	\$99
Dimensions	0.9" x 3.9" x 3.9"	4.5" x 4.5" x 4.6"	0.9" x 3.7" x 3.3"	1.1" x 4.6" x 4.6"	2.4" x 16.5" x 9.7"	2.9" x 10.8" x 10.8"							
Weight	0.6 lbs	1.54 lbs	0.18 lbs	0.4 lbs	6.8 lbs	6.5 lbs							
Max Resolution	1080p	1080p	1080p	1080p	1080p	1080p							
Video/Audio out HDMI	Yes	Yes	-	Yes	Yes	Yes							
Component Video	-	-	-	-	Yes	Yes							
Composite Video	-	-	Yes	Yes	Yes	Yes							
Audio Out Optical	Yes	Yes	-	-	Yes	Yes							
Audio Out Analog	-	Yes	Yes	Yes	Yes	Yes							
Built-in Wi-Fi	802.11a/b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n	-	802.11b/g/n							
Ethernet	10/100	10/100	10/100	10/100	-	10/100							
USB Port	-	Yes (2x)	Yes (1x)	-	Yes (2x)	Yes (3x)							
USB Content Playback	-	Yes	-	-	-	Yes							
Internal Hard Drive	-	-	-	-	500GB	4GB							
Card Slot	-	SD Card	microSD	-	Cable/USB	-							
Web Browser	-	Yes	-	-	-	-							
DLNA Support	-	-	-	-	-	-							
Video Formats/Supported Codecs	MKV, MPG/MPEG, H.264, Motion JPEG, DivX	MKV, AVI, MPG/MPEG, RV, Windows Media, MP4/AVC, MTS/MTS/TS, MKV, WMV9, M4V, xVID	MKV/MKV, MKV	H.264, RV (Real 10)	DivX	MKV, AVI, MPG/MPEG, Windows Media, H.264, VC-1, DivX							
Audio Formats	AAC, MP3/A, AIF, WAV, Dolby Digital, Apple Lossless	MP3/A, WAV/PCM/LPCM, WMA, AAC, FLAC, AIF/AIFF, OGG, Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS Master Audio	AAC, MP3/A	AAC, Dolby Digital, Dolby Digital Plus, MP3, WMA	AAC, WMA, Dolby Digital	AAC, MP3/A, WAV, Dolby Digital, Dolby Digital Plus							
Netflix	Yes	Yes	Yes	Yes	Yes	Yes							
Hulu Plus	Yes	-	Yes	Yes	Yes	Yes							
Amazon	-	-	Yes	-	Yes	Yes							
HBO GO	-	Yes	Yes	-	-	Yes							
Epix	-	-	Yes	-	-	Yes							
VUDU	-	Yes	-	Yes	-	Yes							
YouTube	Yes	Yes	-	Yes	Yes	Yes							
ESPN	-	-	-	-	-	-							
MLB.TV	Yes	Yes	Yes	-	-	Yes							
NHL	Yes	Yes	Yes	-	-	Yes							
NBA	Yes	-	Yes	-	-	-							
NFL	-	-	-	-	-	-							
UFC TV	-	-	Yes	-	-	Yes							
Google TV	-	-	-	-	-	-							
Apple iTunes	Yes	-	-	-	-	-							

INTERFACES AUDIO VIDEO

CONTENT PLATFORMS

- Microsoft's Xbox 360 and Sony's PS3 are available in multiple configurations.
- Roku currently has four different boxes that range from \$49-\$99.
- Additional movies and TV shows are available via the Xbox Live platform and the PlayStation Network.

Nintendo is expected to start selling its new Wii U console during the 2012 holiday season. Beedee is an alternate logo used to promote the air (CP).

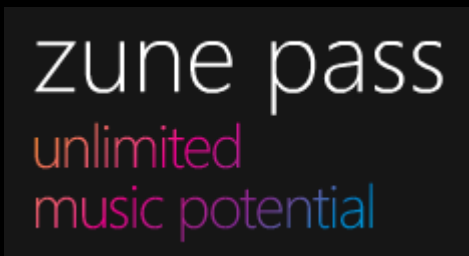


WHAT ON TV TONIGHT?

INFINITE CHOICES  
INFINITE DEVICES



# STREAMING MUSIC SERVICES



# FREE VIDEO STREAMING



# PAID VIDEO SERVICES



NETFLIX



amazon instant video



HBO GO



Aereo



You Tube



PAY·PER·VIEW



MLB.TV

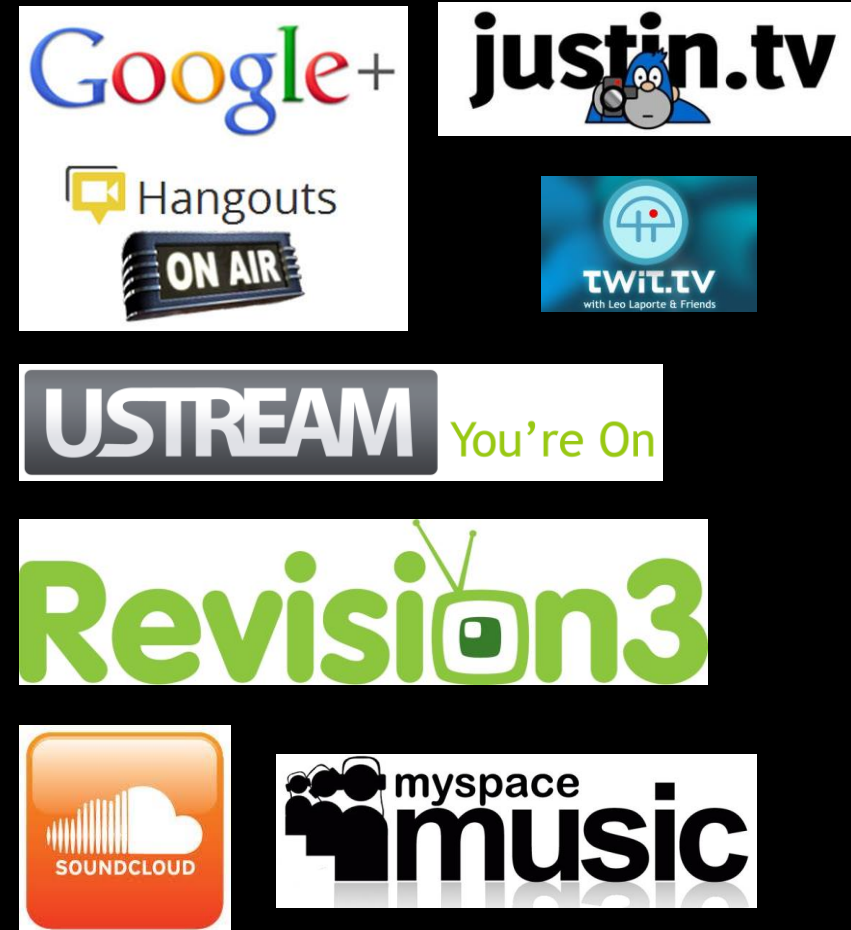


BASEBALL EVERYWHERE



huluPLUS  
More wherever. More whenever. Than ever.

# RISE OF THE NICHE CHANNELS



# WHERE IS THE GOOD STUFF?



1. Rating: 3.4/5 (14 votes cast)



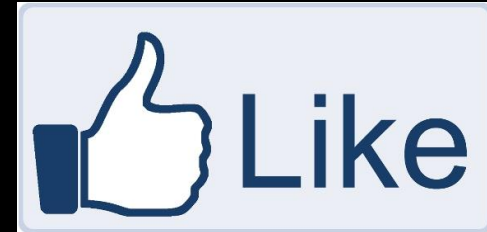
2. Rating: 3.2/5 (15 votes cast) Thanks for voting!



3. Rating: 4.3/6 (15 votes cast)



4. Rating: 5.1/8 (12 votes cast)





# TAKE AND BREAK AND GO CORDLESS



Ask Me about  
FreedomPop.



New company offering FREE Internet service using 4G

## *PART 2: 'LIVING LA VIDA MOBILE'*



***FREEDOM !***

# 3 EVOLUTION OF THE LAST 30 YEARS



Personal Computer



Internet



Personal Mobile Computer

# MOBILE EVOLUTION 1.0

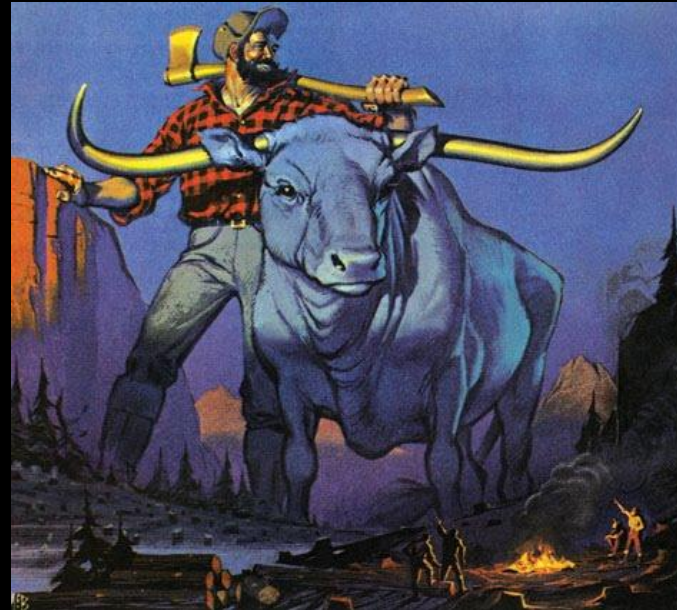
Redesign the World – Redesign our Lifestyle



# MAN VS. MACHINE



John Henry



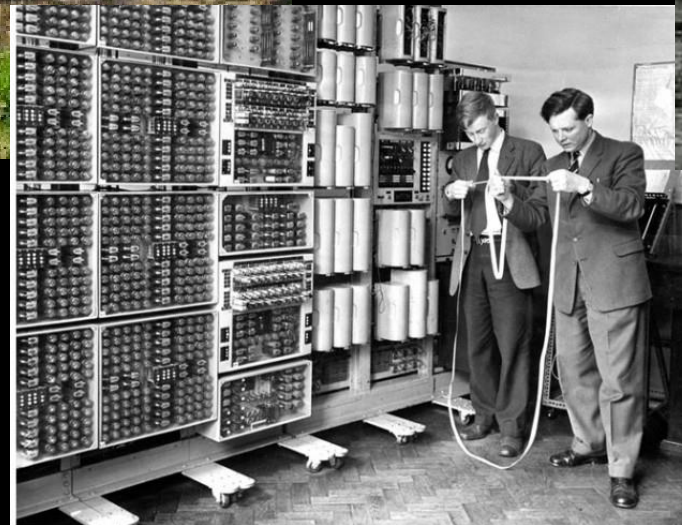
Paul Bunyan



May 11, 1997

Garry Kasparov  
Vs.  
Deep Blue

# MAN + HIS MACHINE



FACTORY WORKERS  
SOURCE: [HTTP://WWW.LEARNINGCURVE.GOV.UK](http://www.learningcurve.gov.uk)

# MAN + CONNECTED MACHINE

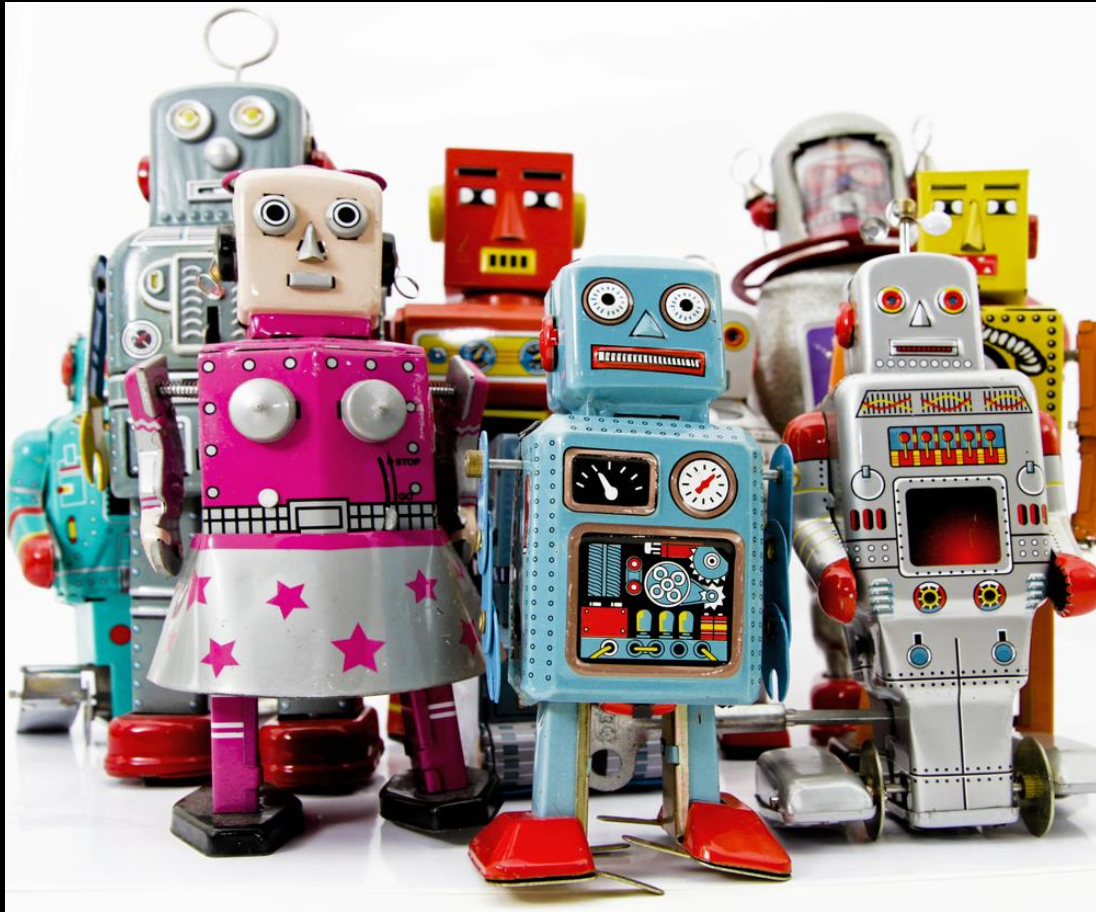


CALL YOU WITH MY VOIP  
PERSONALIZED INTERFACE BEAM LIGHT!

i-M

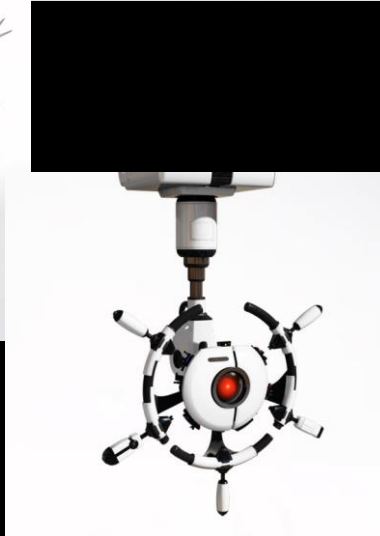
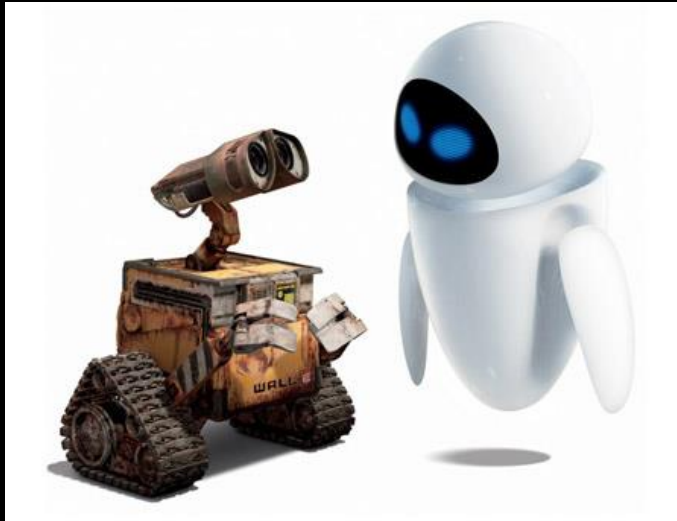


# AUTOMATION / ROBOTIC SERVANTS





# MOBILE EVOLUTION 2.0

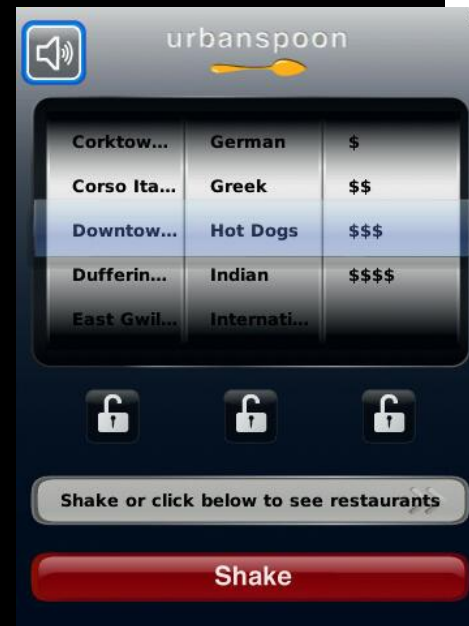
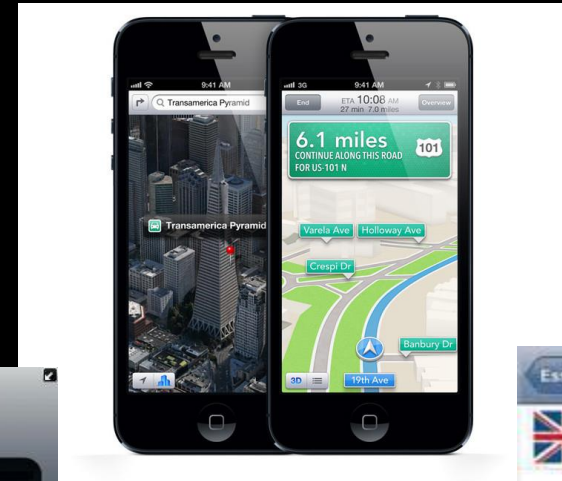


# MOBILE SECRETARY



# MOBILE CONCIERGE

- Locations
- Directions
- Recommendations
- Translate



# ROBOTIC REPORTER

Here's an excerpt from a *Forbes* earnings preview story about Barnes & Noble, written by the computer program:



*“While company shares have dropped 17.2% over the last three months to close at \$13.72 on February 15, 2012, **Barnes & Noble (BKS)** is hoping it can break the slide with solid third quarter results when it releases its earnings on Tuesday, February 21, 2012.*

*What to Expect: The Wall Street consensus is \$1.01 per share, up 1% from a year ago when Barnes & Noble reported earnings of \$1 per share.*

*The consensus estimate is down from three months ago when it was \$1.42, but is unchanged over the past month. Analysts are projecting a loss of \$1.09 per share for the fiscal year.”*

# AUTONOMOUS TAXI & DELIVERY



# HOME AUTOMATION





# CHANGE IS NOT EASY

*Imagine that 7 out of 10 working Americans jobs were replaced by robots (or over the past 6 years).*



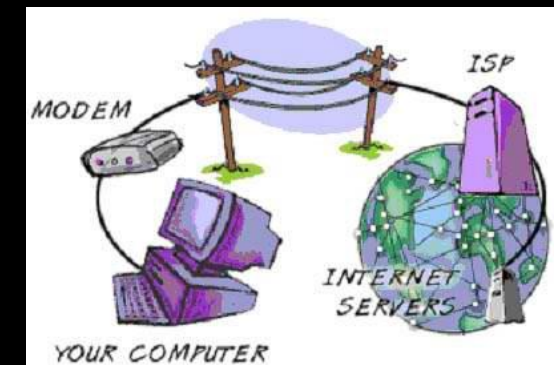


# MOBILE EXPECTATIONS



- Expect to be connected
- Expected to be contactable
- Expected to have individual instead of a household service & device

## *No Sharing of Devices*





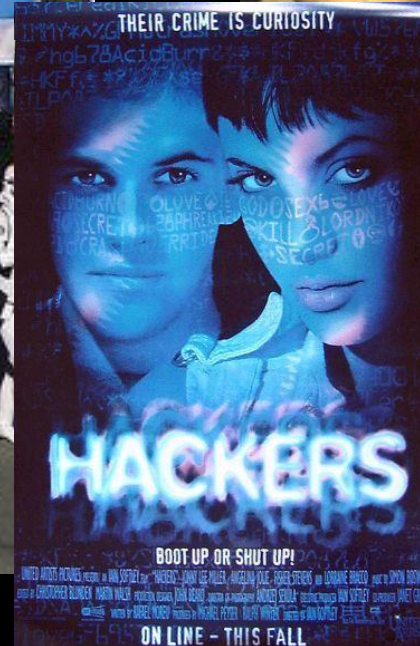


# MOBILE CURRENCY





# MOBILE GOVERNANCE

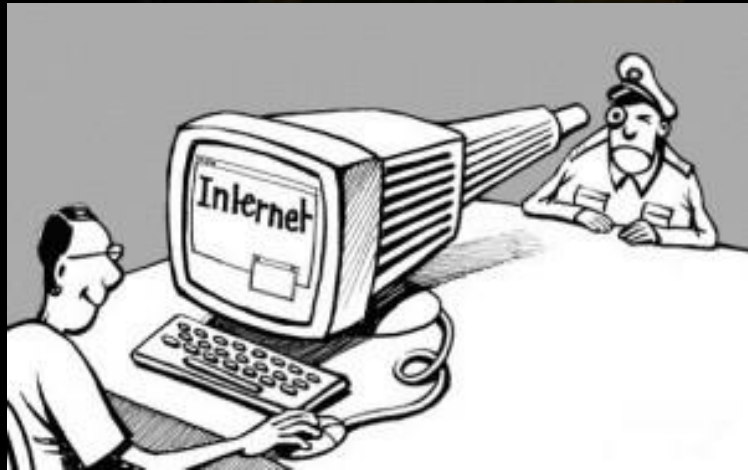


**WE ARE ANONYMOUS**





NOT UNDER YOUR CONTROL



# Death of iTunes (and the local storage)



***TOO MUCH DATA TO STORE LOCALLY  
PLAN AHEAD (TAKES TIME)***



# THANK YOU FOR LISTENING

All my notes and a copy of this presentation



<http://www.binarybackyard.com/ShowBackyards2.asp?BackyardID=126>