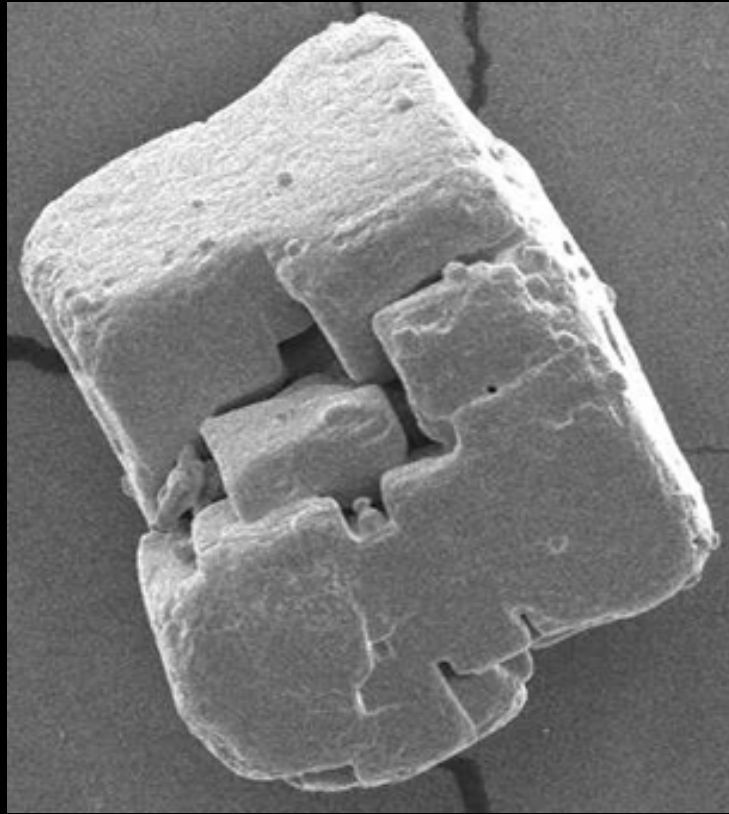


Preparing for the Post-Mobile World of 2019



Since no one knows the future,
who can tell someone else what is to
come?

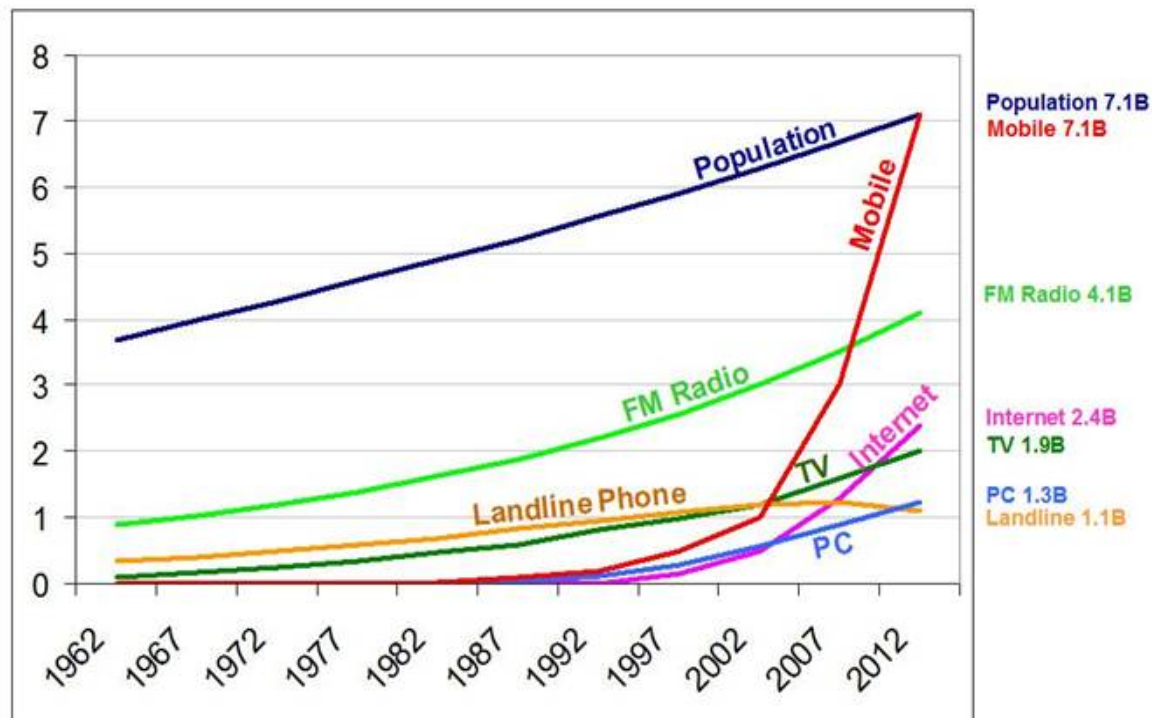
Ecclesiastes 8:7



My Job Title:
Director, Mobile Advance



Global Media End of 2012



Source: TomiAhonen Almanac 2012 and TomiAhonen Mobile Forecast 2012-2015

Reason

#1

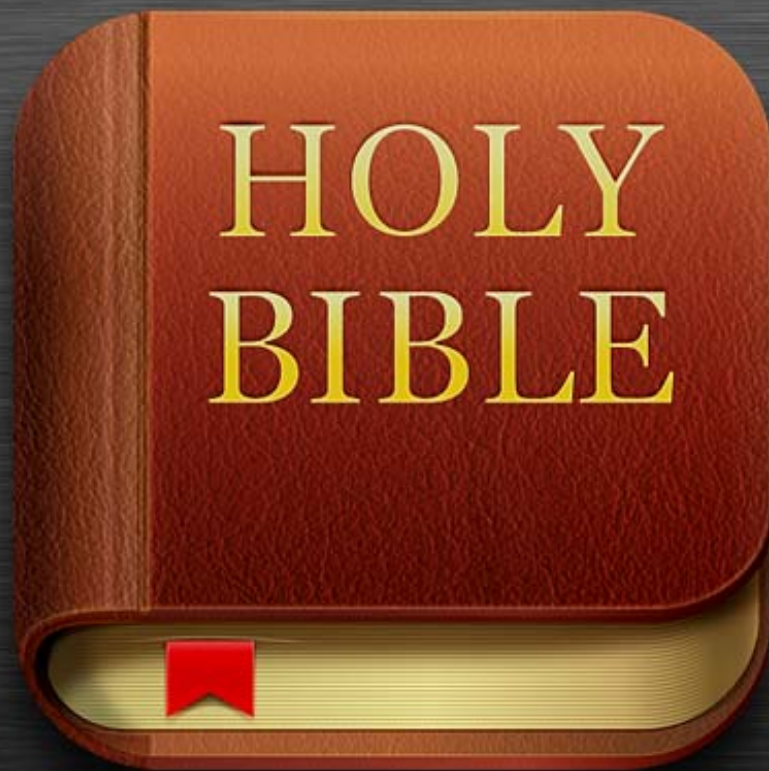






Follow along on your phone

(It's ok, we promise.)



You can follow along with the message on your mobile device. Open the YouVersion Bible app & tap on Live or go to YouVersion.com/fusionhs

YouVersion™



Reason

#2

BuddyJesus



GOD



A vertical wooden post is shown against a warm, orange-toned background. Three wooden signs are attached to the post, each with a different color and shape. The top sign is yellow and rectangular with a pointed right end, labeled 'FUTURE'. The middle sign is dark brown and rectangular with pointed ends on both sides, labeled 'PAST'. The bottom sign is light-colored and rectangular with a pointed right end, labeled 'PRESENT'.

FUTURE

PAST

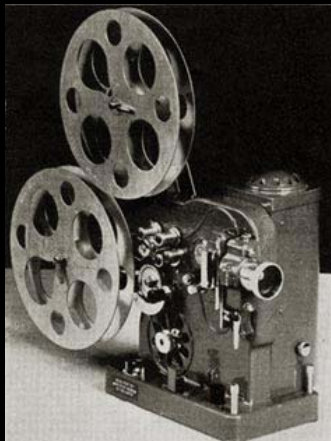
PRESENT



1. Print



2. Recordings



3. Cinema



4. Radio



5. Television



6. Internet

Remington Rand

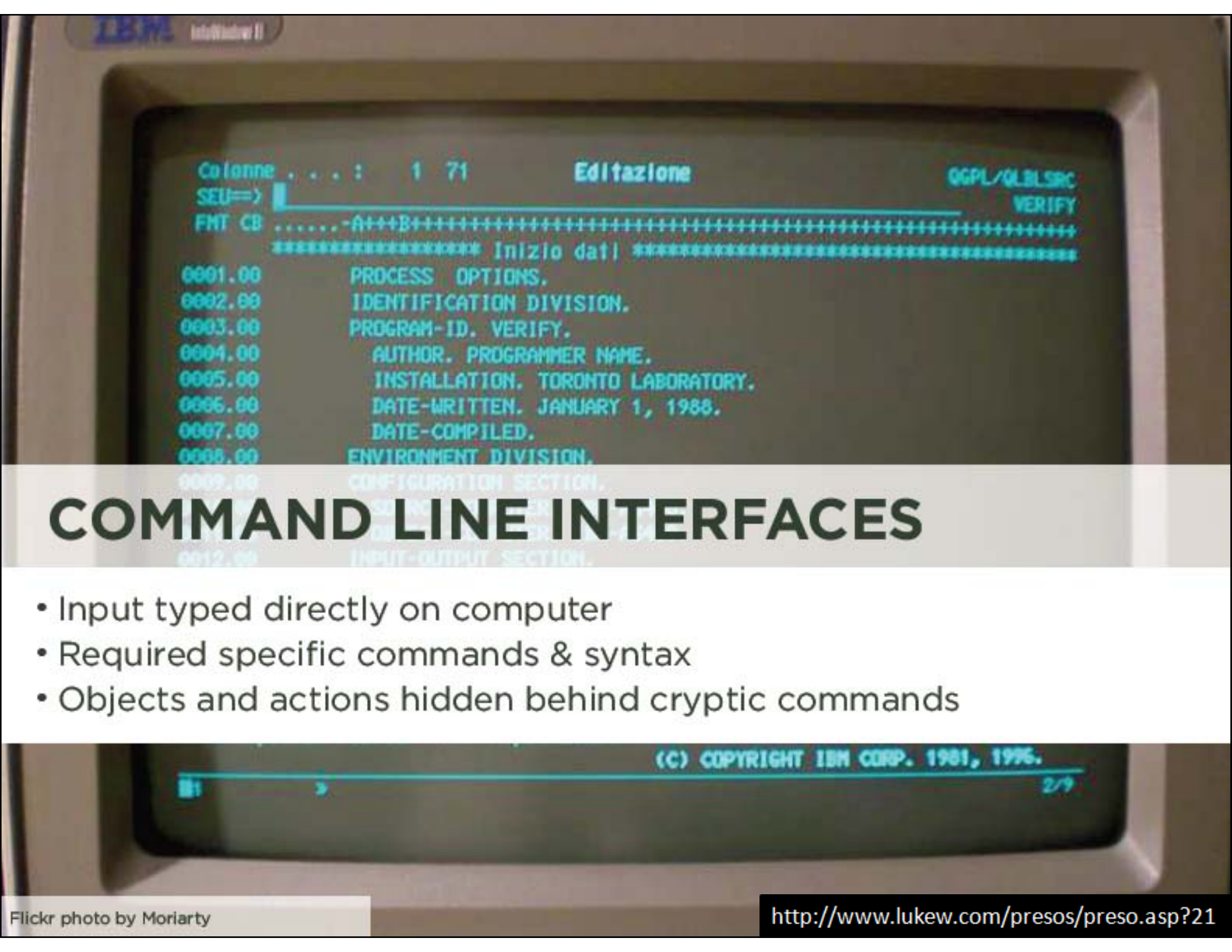
Univac Electronic Computer





PUNCHED CARD INTERFACES

- Lived outside the computer
- Had specific formats that needed to be learned
- Had to be punched by hand or on a key punch machine
- Had to be fed into a computer
- Output was delivered on paper



Colonne . . . : 1 71 Editazione GGPL/OLBLSRC
SEU=> VERIFY
FMT CB-A+++B+++++
***** Inizio dati *****
0001.00 PROCESS OPTIONS.
0002.00 IDENTIFICATION DIVISION.
0003.00 PROGRAM-ID. VERIFY.
0004.00 AUTHOR. PROGRAMMER NAME.
0005.00 INSTALLATION. TORONTO LABORATORY.
0006.00 DATE-WRITTEN. JANUARY 1, 1988.
0007.00 DATE-COMPILED.
0008.00 ENVIRONMENT DIVISION.
0009.00 CONFIGURATION SECTION.
0010.00 SOURCE PROGRAMMER
0011.00 OBJECT PROGRAMMER
0012.00 INPUT-OUTPUT SECTION.

COMMAND LINE INTERFACES

- Input typed directly on computer
- Required specific commands & syntax
- Objects and actions hidden behind cryptic commands

(C) COPYRIGHT IBM CORP. 1981, 1996.

2/9



GRAPHICAL USER INTERFACES

- Made objects and applications visible
- Enabled manipulation through icons, controls, and mouse
- Resulted in lots of time interacting with UI components



7. Mobile





NATURAL USER INTERFACES

- The content itself serves as the interface
- Interact with guessable, physical, and realistic gestures
- Make use of skills learned through a lifetime of living

Camera

Capacitative

Microphone

Accelerometer

GPS

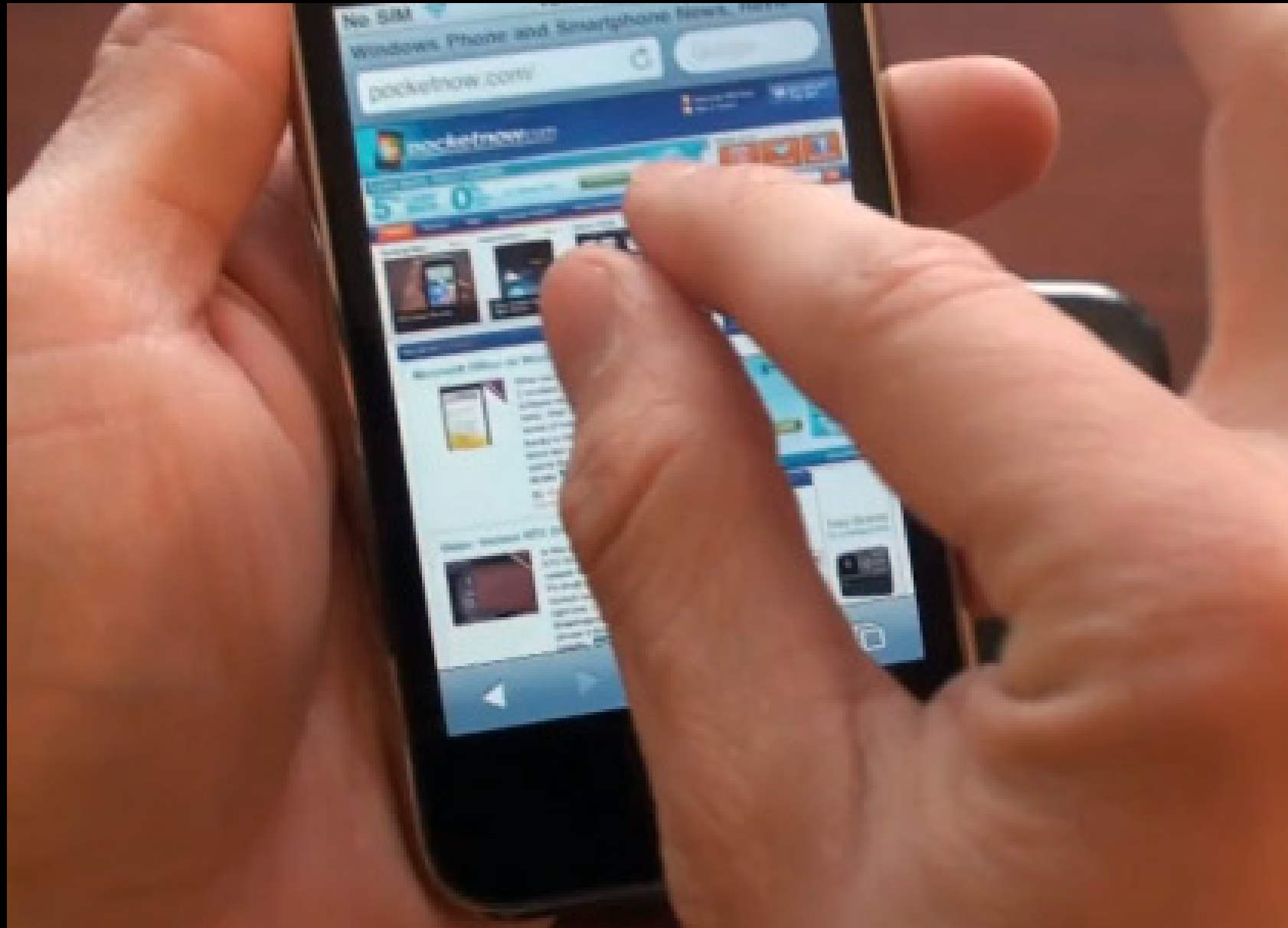
**Digital
Compass**

Inclinometer

RFID Reader

Barometer

Touch Interface



Voice Interface



Siri

Use your voice to send messages, set reminders, search for information, and more.



Motion Interface



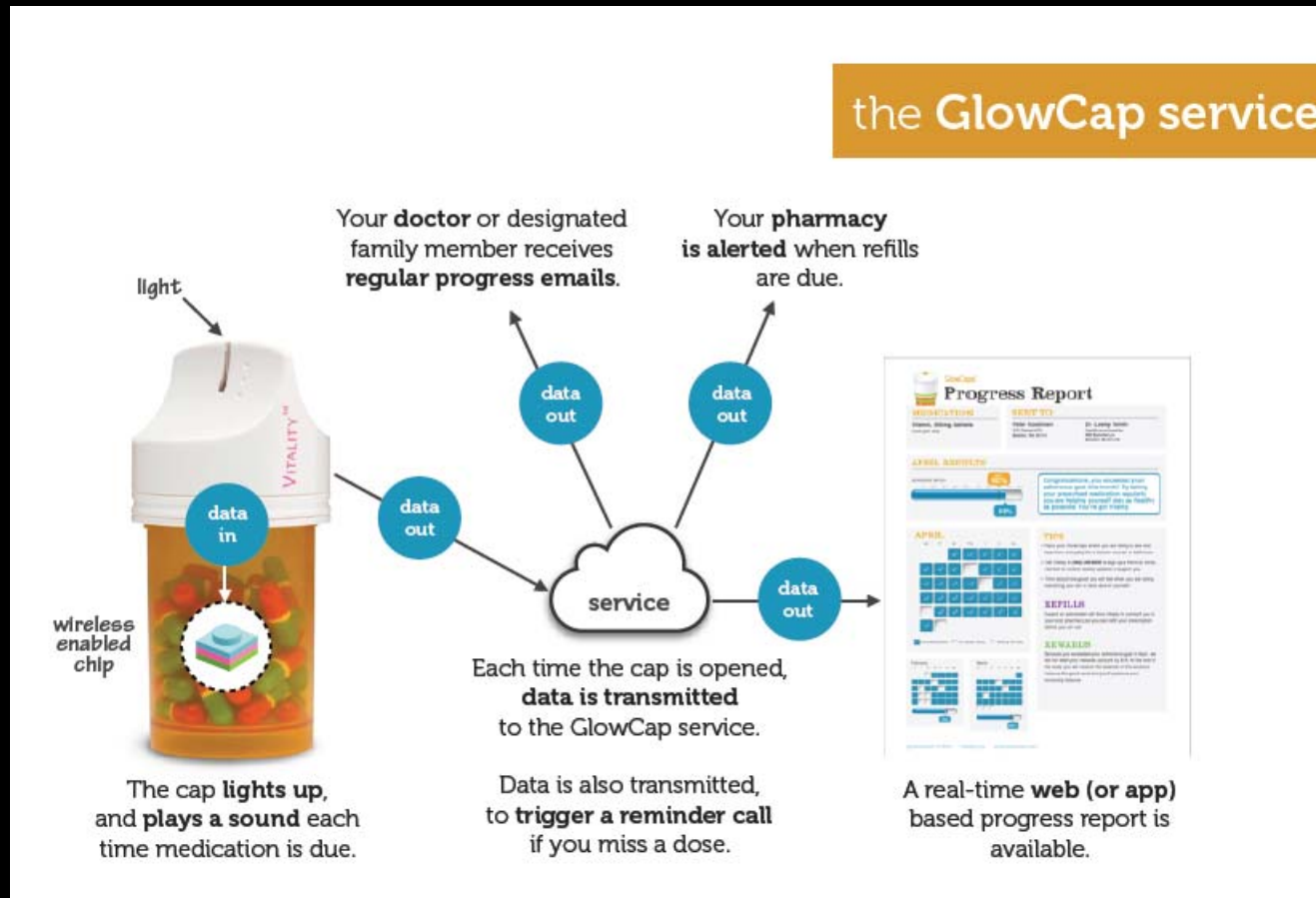
Leap



\$70, beginning of 2013



And then what if you put sensors in everything around you for you/your device to interact with and pull information from?





it now costs **almost
nothing** to make
something 'smart'
or **connected...**

the new ARM
Cortex-M0+ uses

1/3

of the energy of an
8 or 16-bit processor



it costs
30 cents
(£0.20)



...and measures

2 mm

(0.07")





// Ambient radio waves...can already **provide enough energy** to substitute for AAA batteries in some calculators, temperature and humidity sensors, and clocks....

We are **on the cusp of an explosion in small wireless devices**...that can run on alternatives to battery power.
Devices like this can live on and on.



Some are calling this the “Internet of Things”



Store, share & discover realtime sensor, energy and environment data from objects, devices & buildings around the world. Pachube is a convenient, secure & scalable platform that helps you connect to & build the 'Internet of things'. [SIGNUP](#)

[Map View](#) [List View](#) [Cloud View](#)

search feeds or tags

[search](#)

[all](#) [agriculture](#) [building](#) [device](#) [energy](#) [environment](#) [transport](#) [other](#)



[send](#) [link](#)

[RSS](#) | [Atom](#)

[INPUT](#) • Register a Feed

Create a feed from a device, building, environment or sensor connected to the internet and store, share & graph its datastreams in realtime...

[REGISTER A FEED](#)

[OUTPUT](#) • Use a Feed

Access realtime & historical data from devices, buildings, environments or sensors to control other environments, embed graphs in websites, trigger actions, etc...

[USE A FEED](#)

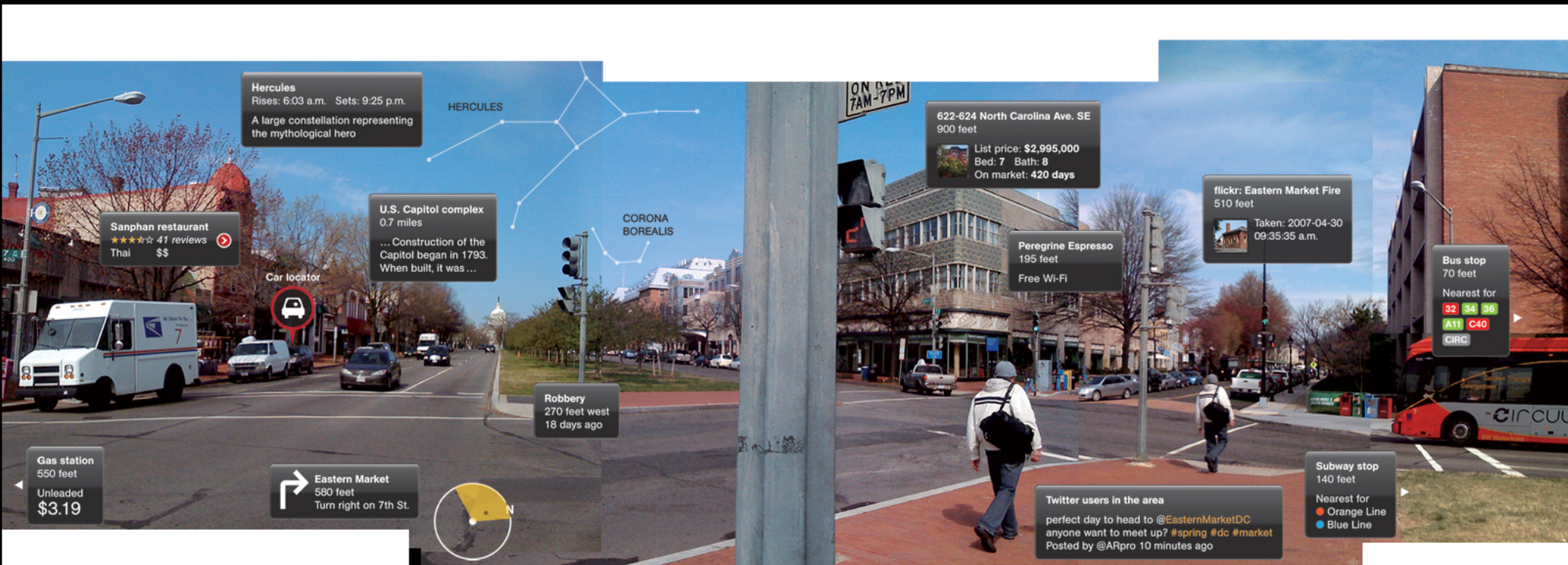
[LATEST NEWS](#)

Pachube is ID@f member

So what do you have when our
interface with “computing”
changes to an interface
with the world?

What do you have when we
move from browsing the
internet to browsing reality?

Introducing the World's 8th Mass Media Augmented Reality



April 11, 2012

Ok, Am Willing to Call It: AR is the 8th Mass Medium (Augmented Reality)

<http://communities-dominate.blogs.com/brands/2012/04/ok-am-willing-to-call-it-ar-is-the-8th-mass-medium.html>



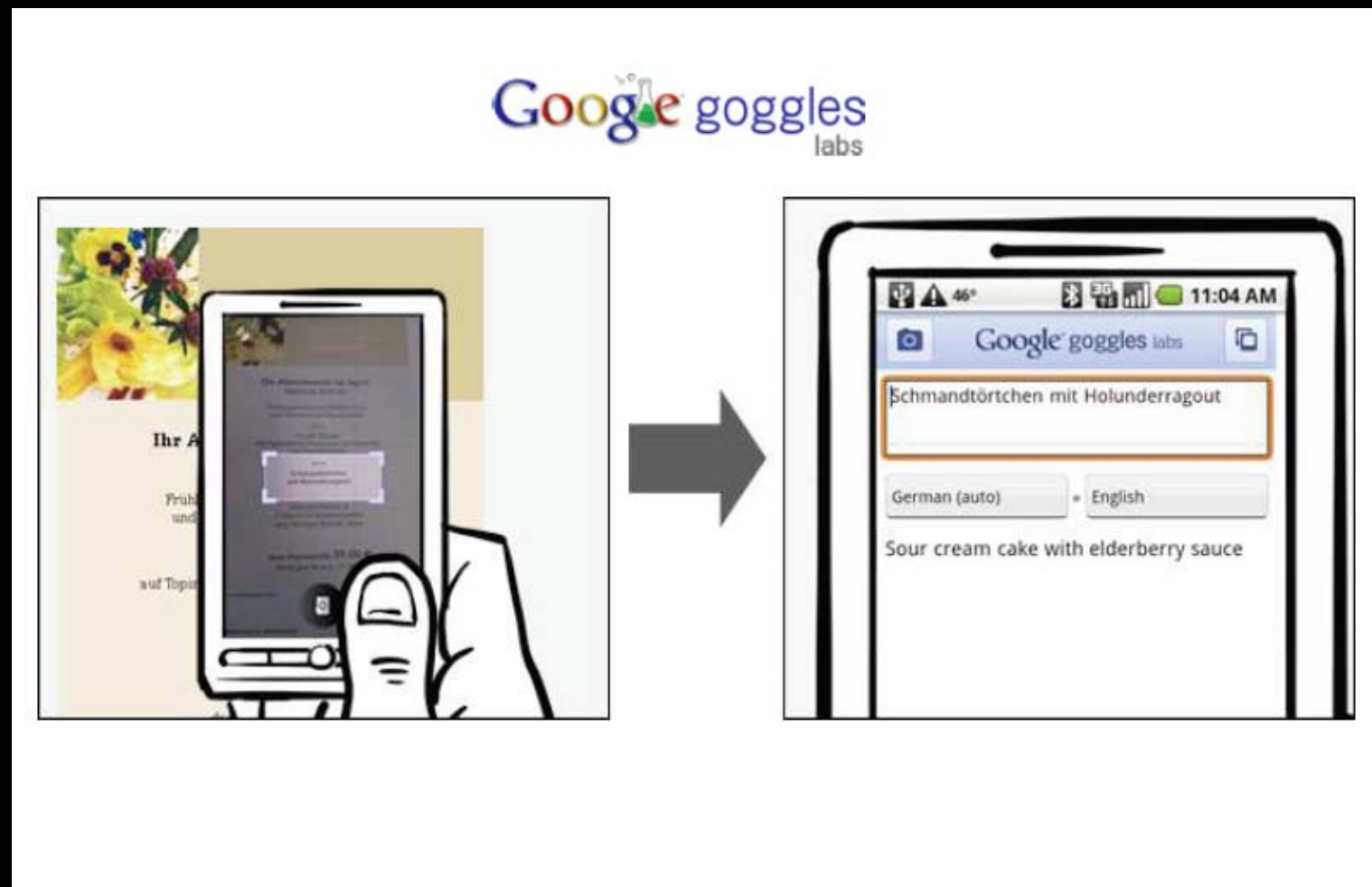
Combines with



and is driven by



Not just location-based augmentation but also image- based augmentation





WHEREVER YOU GO,
THERE YOU ARE.
AND SO IS GIMBAL.

Context-aware technology will never be the same.

QUALCOMM LABS



GIMBAL™ is a context awareness platform for Android and iOS from Qualcomm Labs. Designed to deliver timely, relevant, personalized content to mobile audiences where and when they need it most.

Download

Gimbal SDK

Gimbal understands your customer's wants, needs and desires, in real time, in the real world.

So let's combine this with
yet one other new
technology trend

Wearables





PEBBLE WATCH



The Game Changer?

Post Mobile Video 2

Google's Take on AR Life with Google Glass

Others' Take on AR Life with Google Glass

Olympus MEG4.0 Google Glass rival revealed

Chris Davies, Jul 5th 2012 [Discuss \[4\]](#)

[+1](#) 5

[Tweet](#) 18

[Like](#)



Epson's Android-Powered Glasses Are Out of Sight

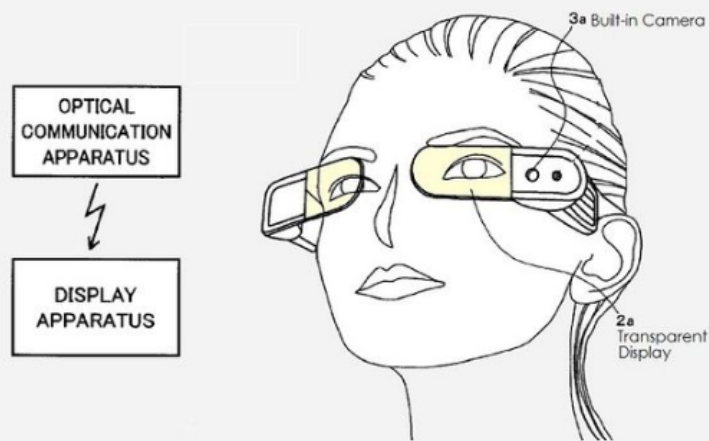
By Armando Rodriguez, PCWorld Mar 30, 2012 11:38 AM



June 22, 2012

Sony Invents Optical Communication Glasses for Work & Play

Sony Invents Optical Communication Glasses for Work & Play

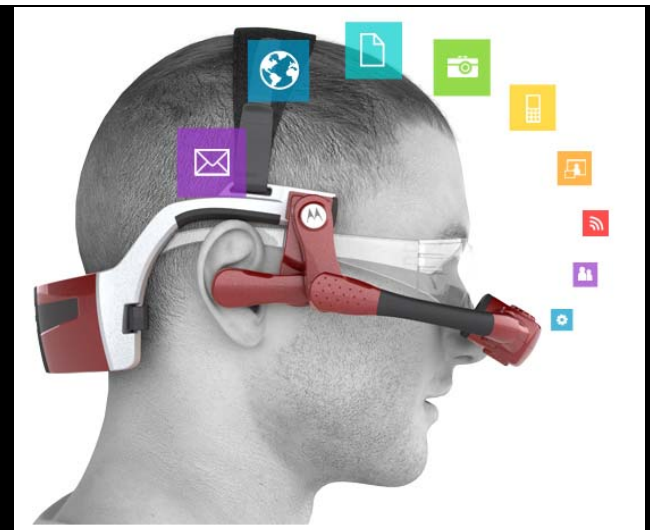


www.patentbolt.com

www.patentbolt.com

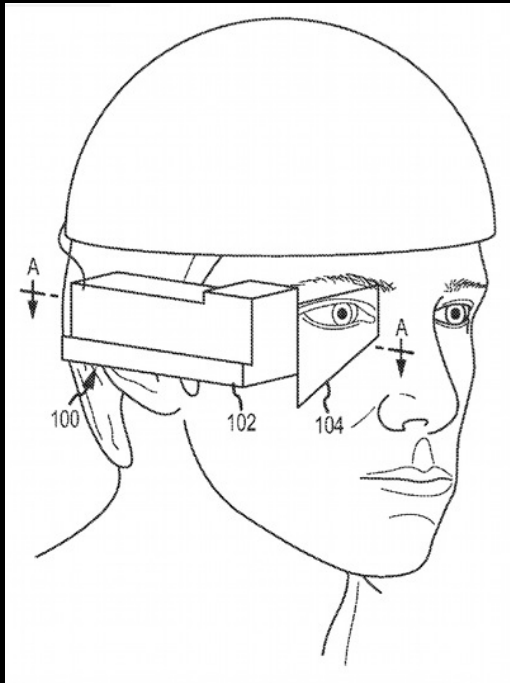
News

Golden-i headset computer to run over Verizon's 4G LTE



CNET › News › Apple

Apple patent filing hints at Google Glass-like tech



Microsoft's Google Glass rival

CNNMoney

4 comments

By David Goldman @CNNMoneyTech July 31, 2012: 3:28 PM ET

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78

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6

+1

9

Email
Print



Make anything a touchscreen - even hands

The Google Glass Timeline

2013 Prototype devices made
available to developers
(approx. \$1,500)

2014 Consumer Release

2007-2012

5 Years That Changed the World



2014-2019

5 Years That Will Change the World in Ways We Can't Imagine



AR Contacts?



What Happens When You Give Developers

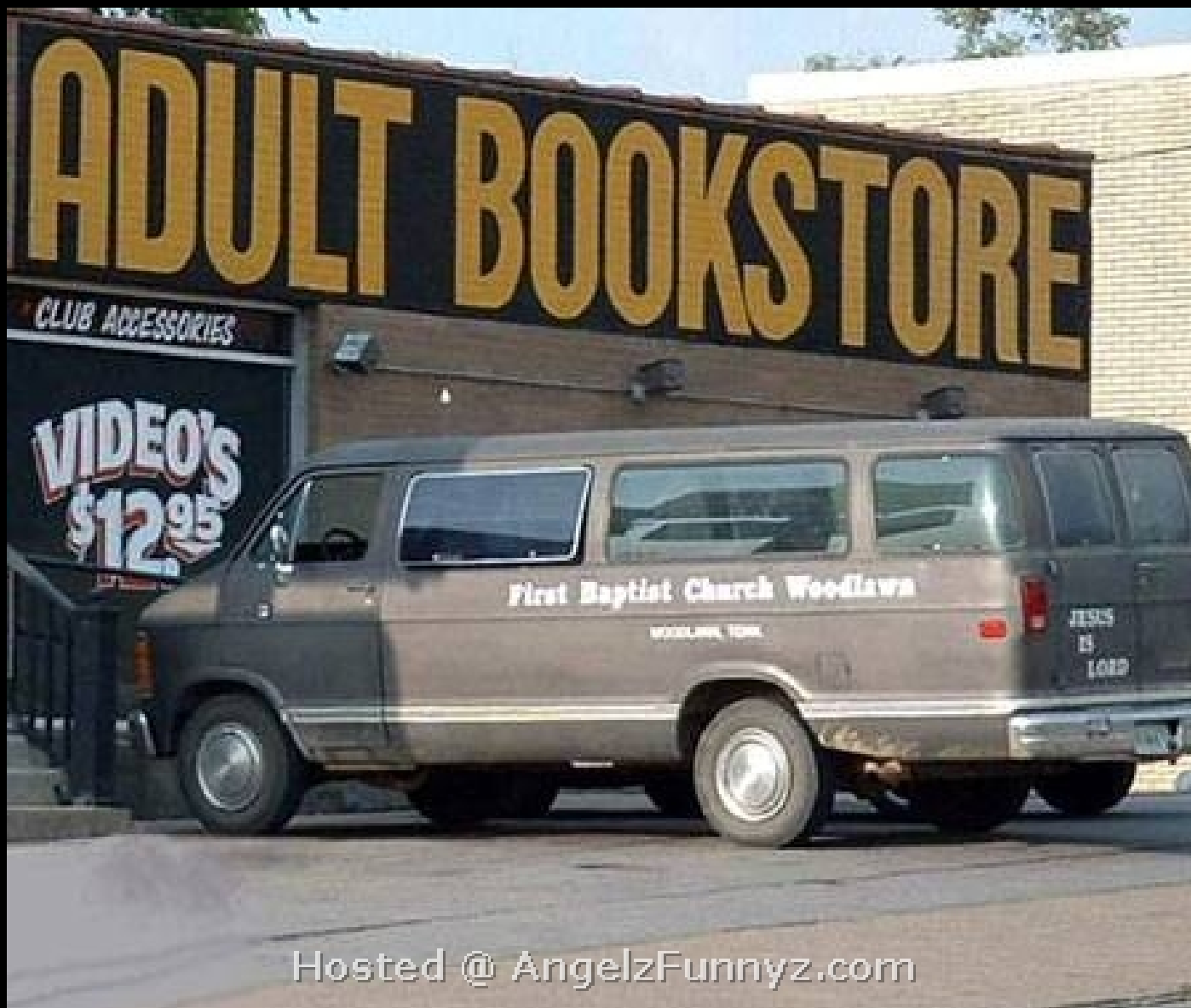
Permission to have a user's attention and access to it every waking moment?

Near complete omniscience about the user's situation- probably more knowledge about that situation than the person themselves has!

Peacemaker App



iGuard



Hosted @ AngelzFunnyz.com

iHajab

Before



With iHajab



A Look at What Can Possibly Happen at the Intersection of Human Nature and New Technology

Copyright Ted Lison 2004



**Remember that
“Technology” that is
freaky and scary to a
50 year old is just
considered “Life”
(not technology)
by a 20 year Old**

What's Needed?

- 1) Theologians and technicians getting together to investigate this new technology and consider its ramifications and both dangers to be avoided as well as opportunities to be availed
- 2) Experimentation with existing Augmented reality apps/SDKs/etc

Agencies



Apps



Browser



Developer



Events



Games



Glasses / Lenses



Platforms / SDK



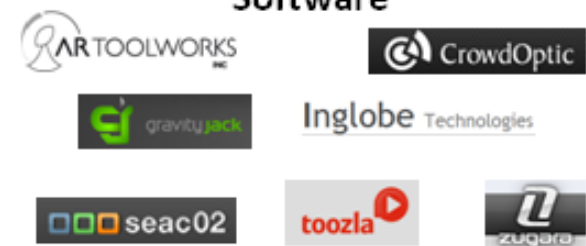
Image Recognition



Institutions / Science



Software



What's Needed?

- 1) Theologians and technicians getting together to investigate this new technology and consider its ramifications and both dangers to be avoided as well as opportunities to be availed
- 2) Experimentation with existing Augmented reality apps/SDKs/etc
- 3) Some ministries purchasing the Google Glass betas and being ready for its public introduction in 2014





<http://www.mobileadvance.org>

keith@mobileadvance.org



@mobile_advance