Future Internet
The Transformation Continues

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WilliamDing

WatchBilly

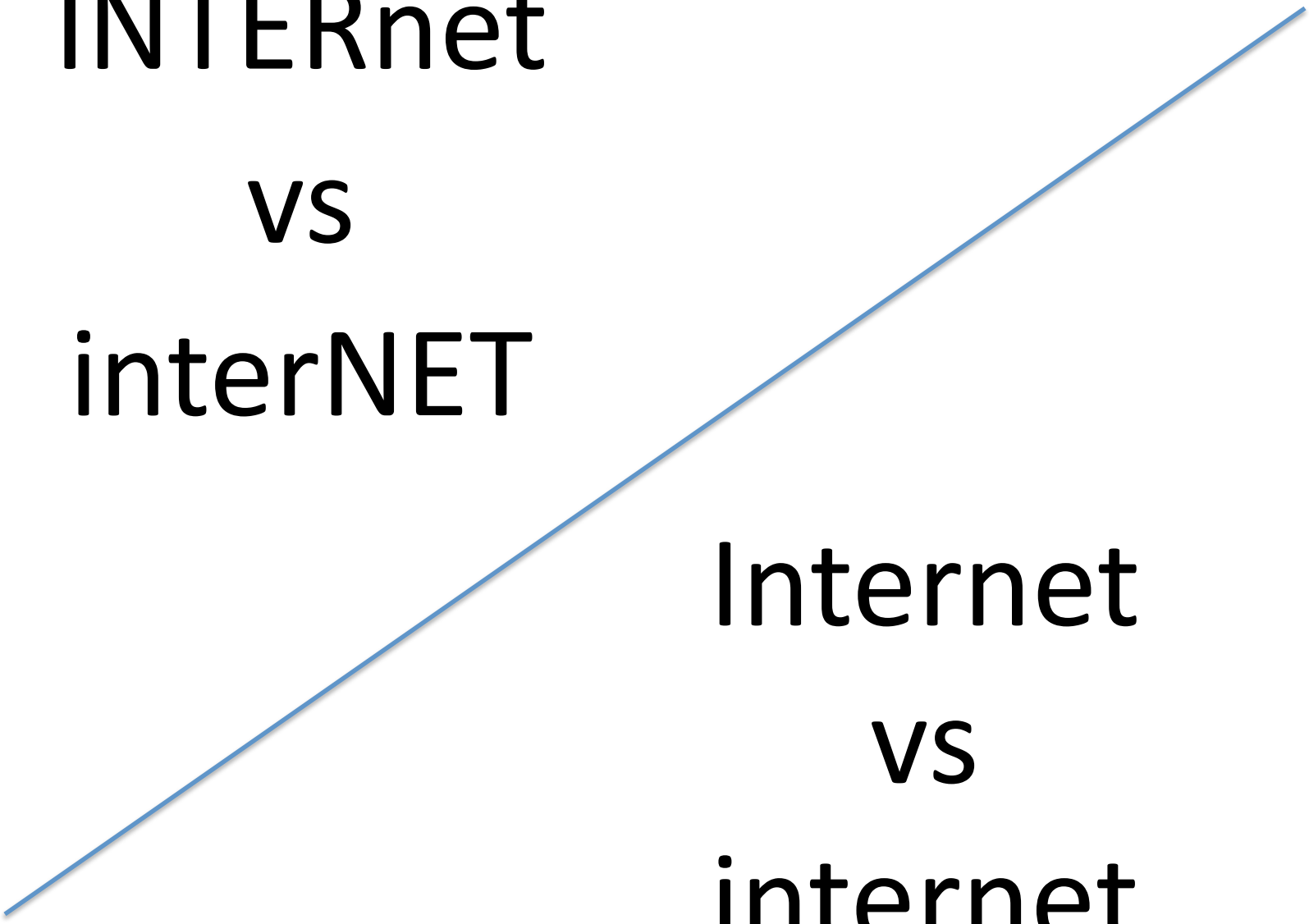
BDing

BillyDee

INTERnet

vs

interNET

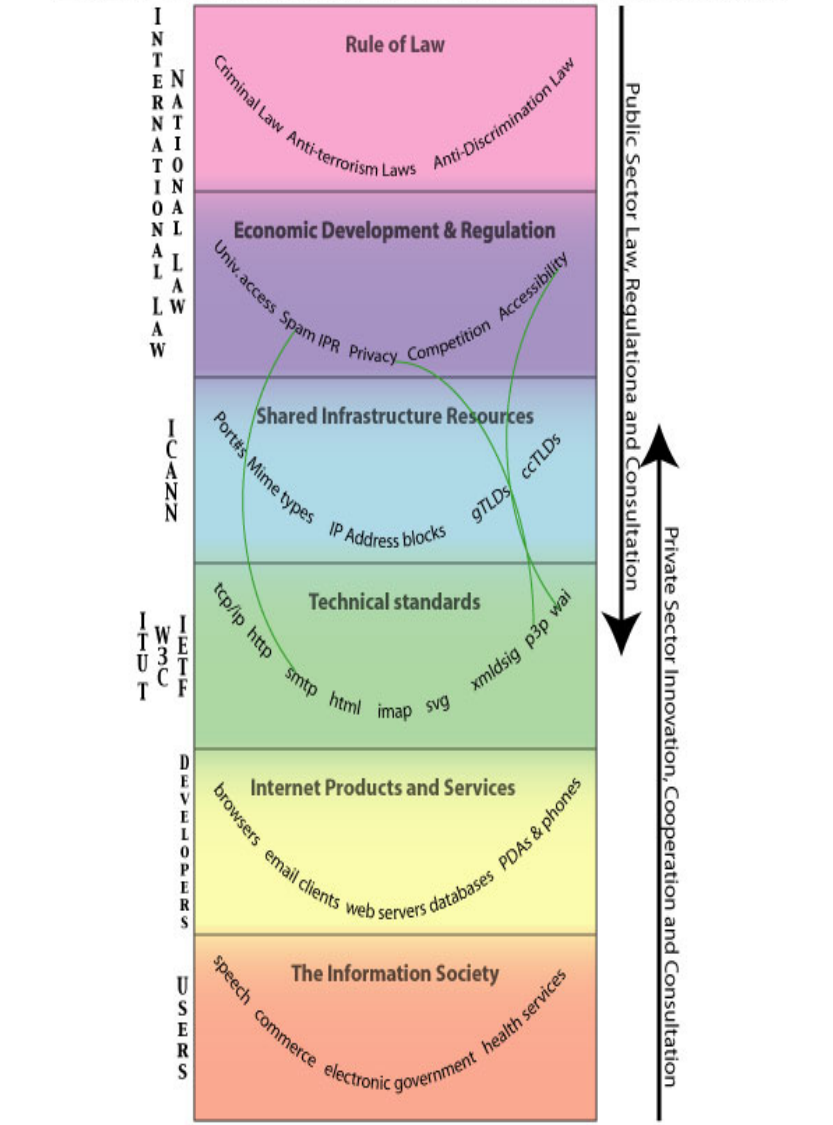


Internet

vs

internet

LAYERS OF RESPONSIBILITY IN THE INFORMATION SOCIETY

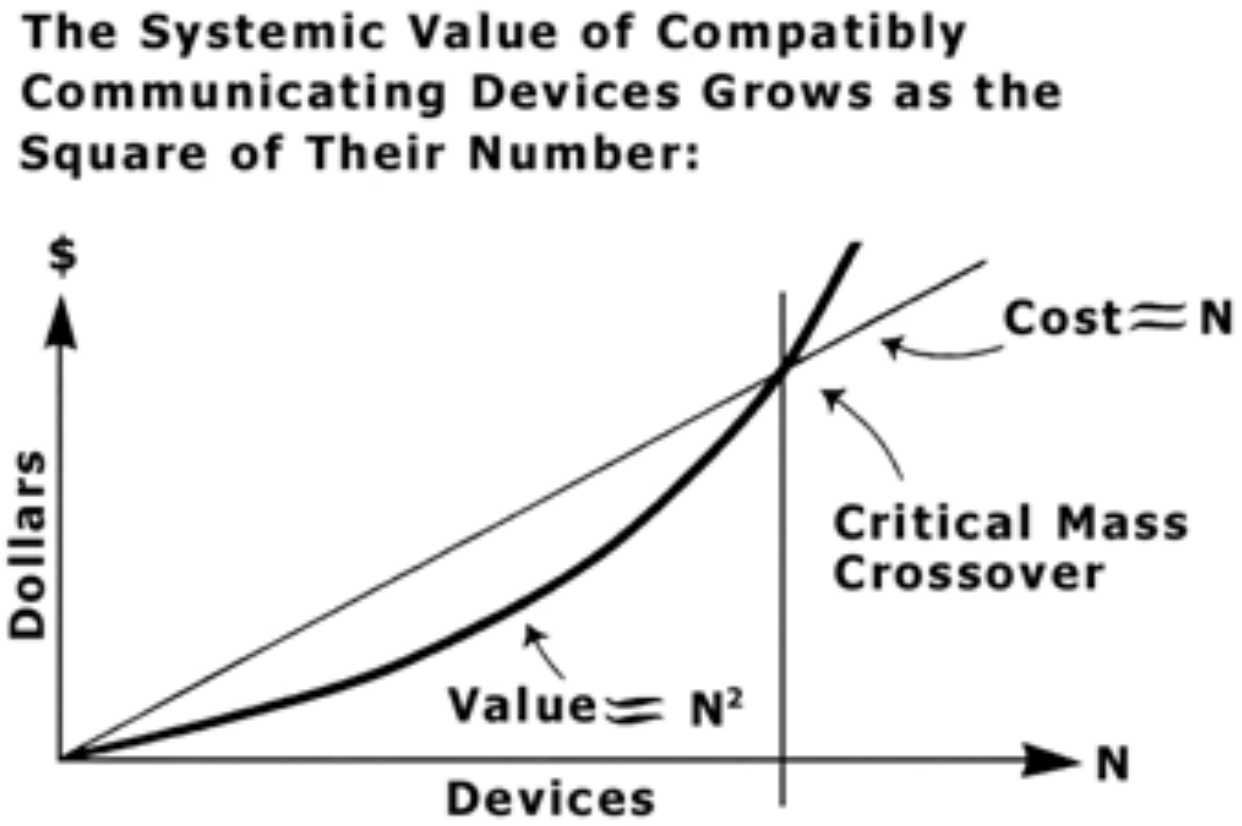


TECHNOLOGY AND APPLICATON DEVELOPMENT FLOW UP
LAW AND REGULATION FLOW DOWN
COOPERATION REQUIRED IN BETWEEN
CRITICAL REQUIREMENT: RETAIN MODULAR FLEXIBILTY BETWEEN LAYERS

Daniel J. Weitzner, W3C — February 2004

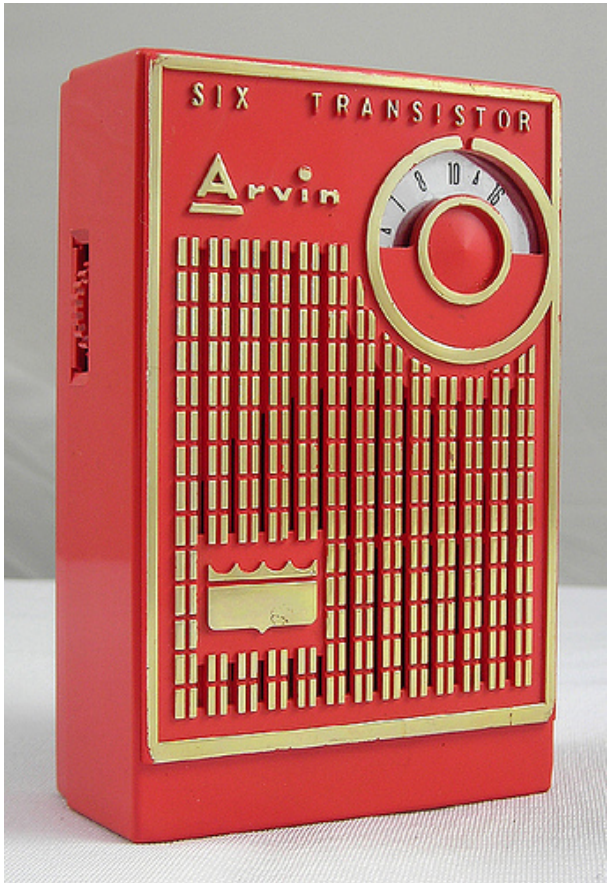
You are Here
Political
Financial
Application
Presentation
Session
Transport
Network
Link
Physical

Network Effect (Metcalfe's Law)



Open Architectures

Technology Maturity



How many Internet Devices? Today….Future?

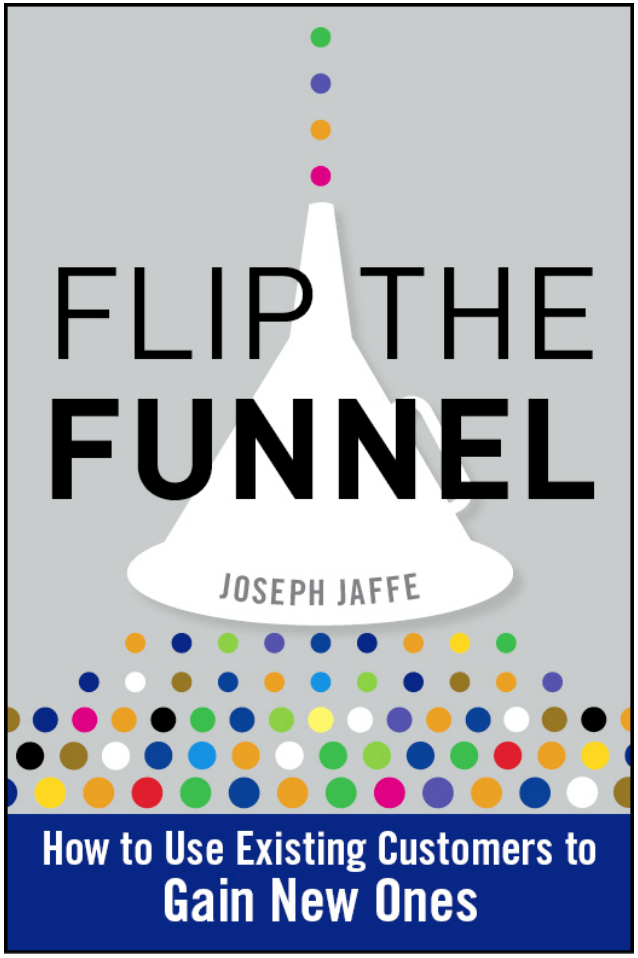
Cisco Estimates:

2012 – 8.7 Billion

2015 – 15 Billion

2020 – 40 Billion

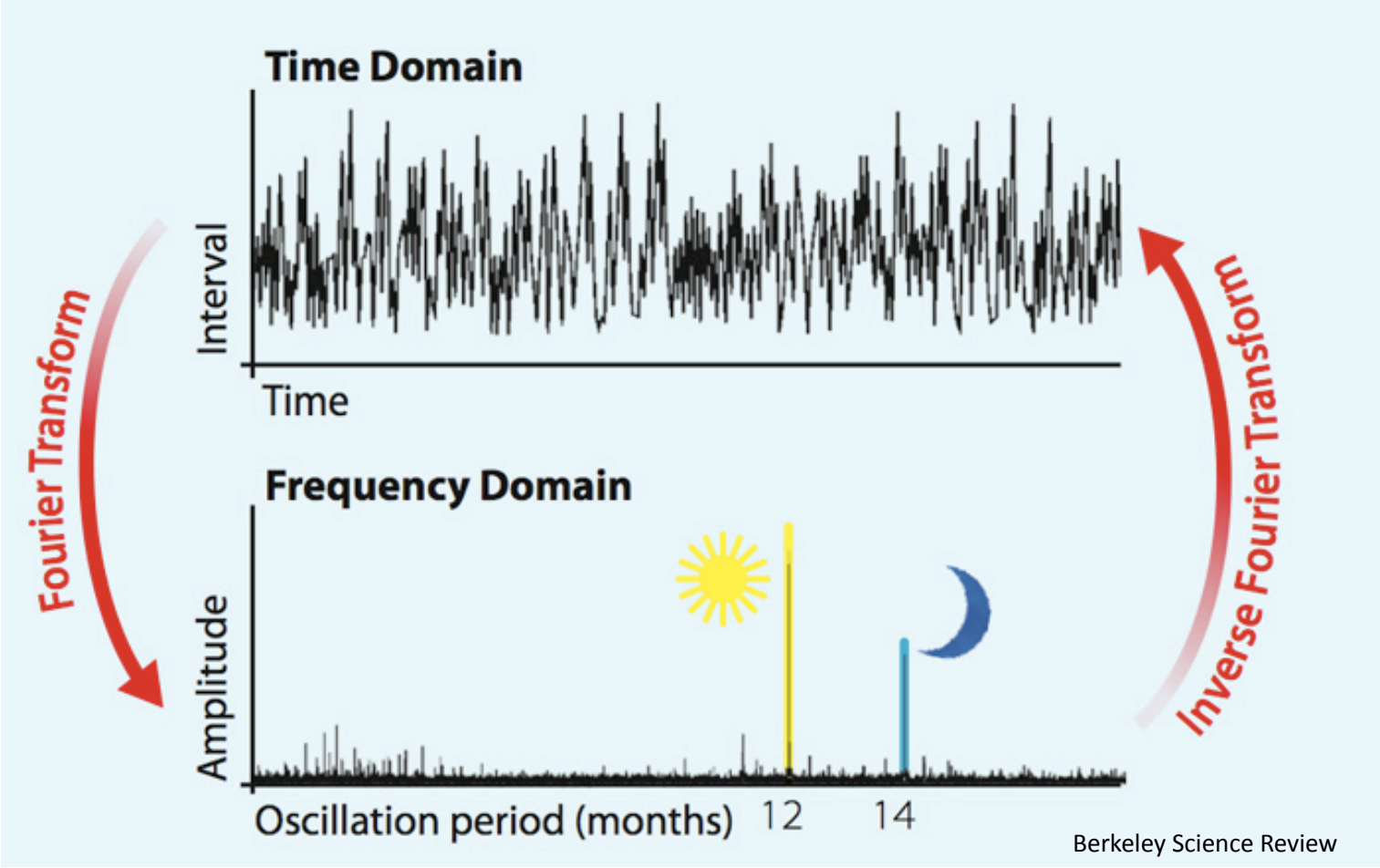
Marketing Maturity



Internet Transformation Maturity

	Level 1	Level 2	Level 3	Level 4
Entertainment				X
Telecom			X	
Travel			X	
Retail				X
Finance			X	
Government		X		
Energy	X			
Healthcare	X			

Domain Transformation



Internet Domain

- Content

  Stories, Music, Video, Messages…
- Context

  Time, Place, Device…
- Persona

  Preferences, Relationships…

Thoughts On Privacy

At what point is your actual name irrelevant in the discussion of privacy?

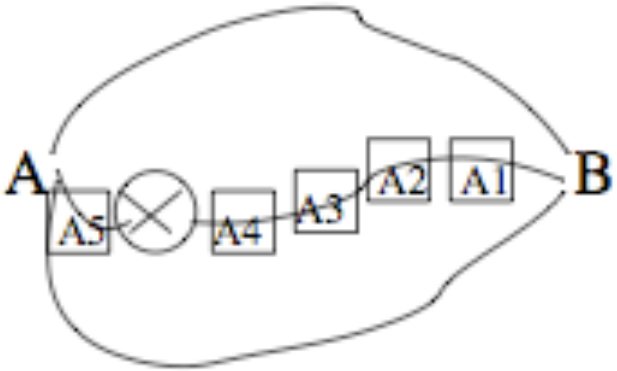
2006 AOL Search Data Exposure

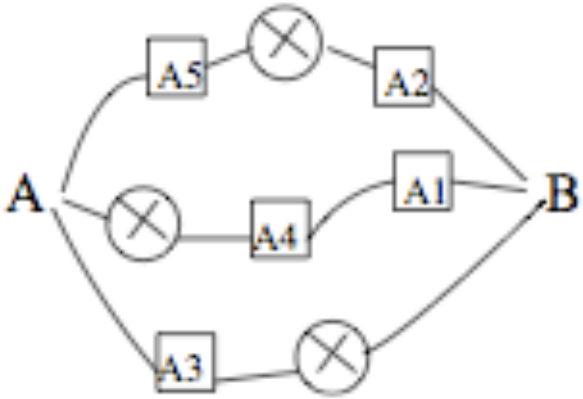
You are what you seek

User 927

The power of Metadata

Transformation Stories

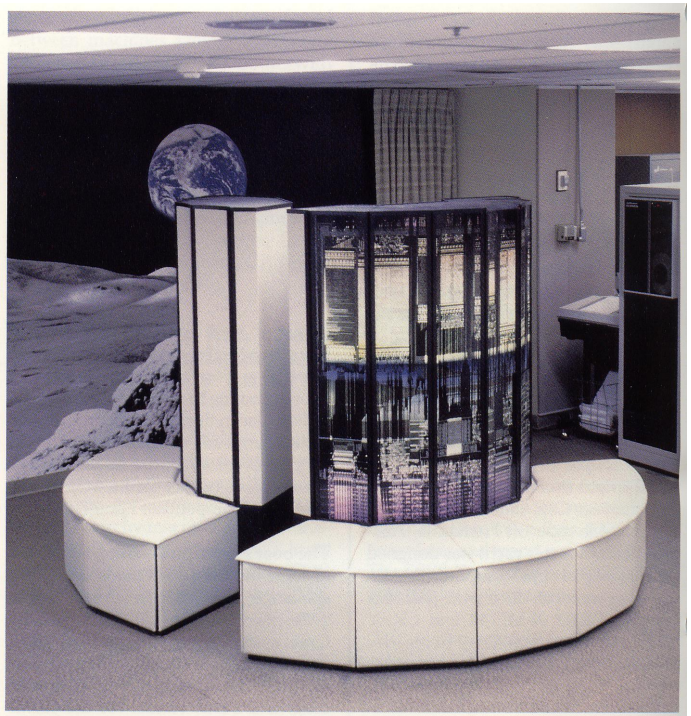




CISCO SYSTEMS

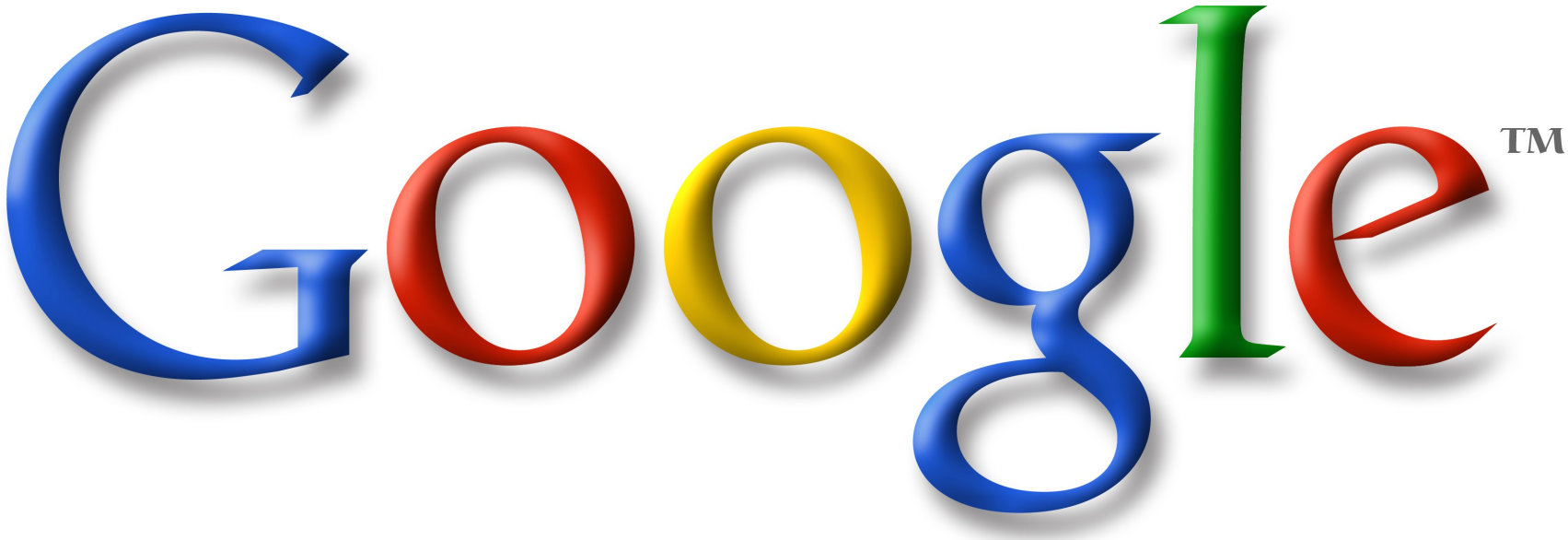
digital

IBM



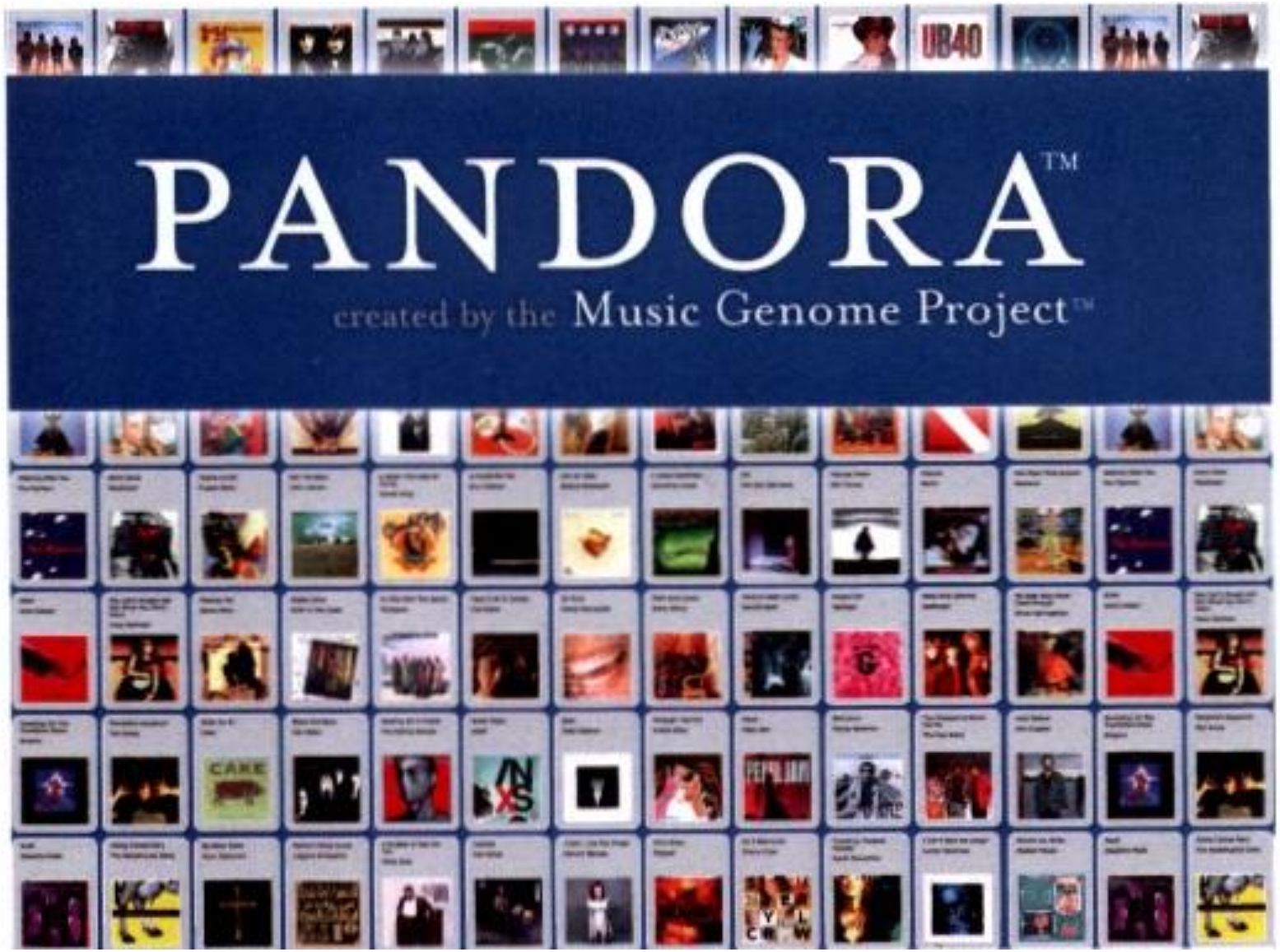
The circuitous design ornamenting AT&T Bell Laboratories' CRAY X-MP/24 computer system comes from a microprocessor designed on the labs' earlier CRAY-1 system.

NOKIA


Google™

Akamai

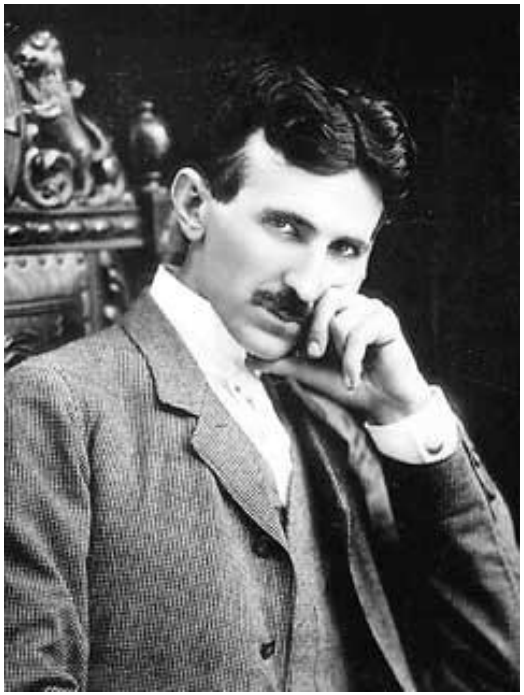
TiVo

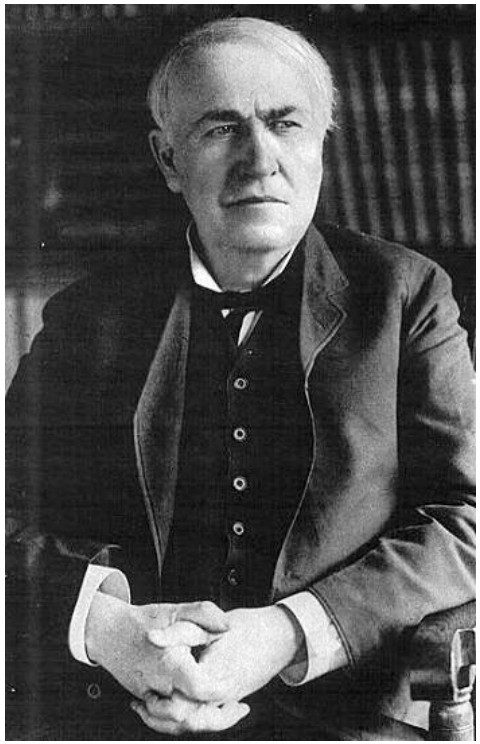

UB40
PANDORA™
created by the Music Genome Project™
CAKE
INXS

Contextual Musical Attributes

- **Structures/Composition**
  *Basic Rock Song Structures
  *Big Band Arrangements
- **Rhythm/Meter**
  *Danceable Grooves
  *Four-Four Time Signature
- **Ostinato**
  *Acoustic Sonority
  *Acousti-synthetic Sonority
- **Roots**
  *Acid Jazz Roots
  *Afro-Latin Roots
- **Tonality**
  *Major Key Tonality
  *Minor Key Tonality
- **Instrumentation**
  *Bluegrass Instrumentation
  *Acoustic Rock Instrumentation
- **Feel**
  *Beats Made For Dancing
  *Romantic
- **Musical qualities**
  *Acid Rock Qualities
  *Alt.Country Qualities

Context Wars

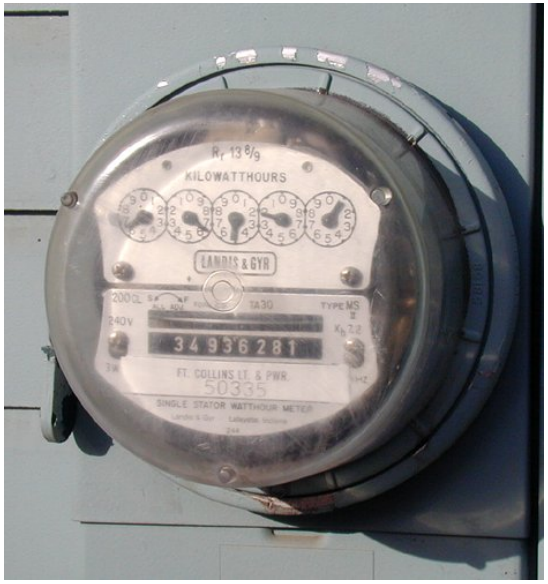


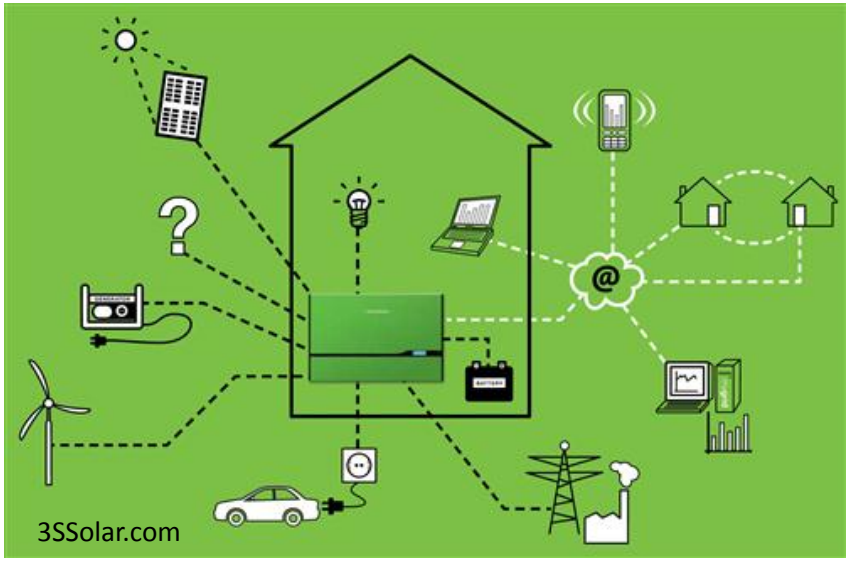


MegaWatts vs MetaWatts

Could the Context and Personalization of Energy be worth as much or more than the amount?

First modems
POWER
ACOUSTIC DATA COUPLER
OFF
ON
ORIG
ANS
ECHO
HALF


KILOWATTHOURS
LANDIS & GYR
240V
34936281
FT. COLLINS LT. & PWR.
50335
SINGLE STATOR WATTHOUR METER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@
3SSolar.com

THANK YOU!!

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