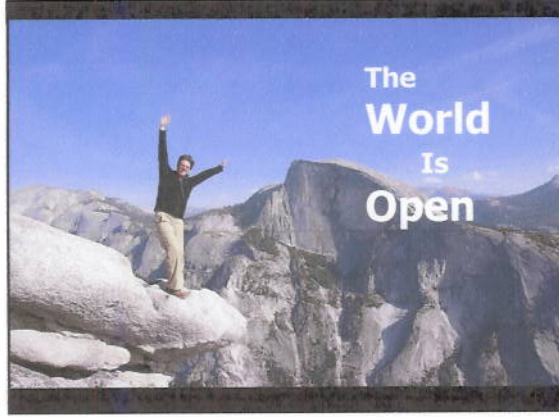
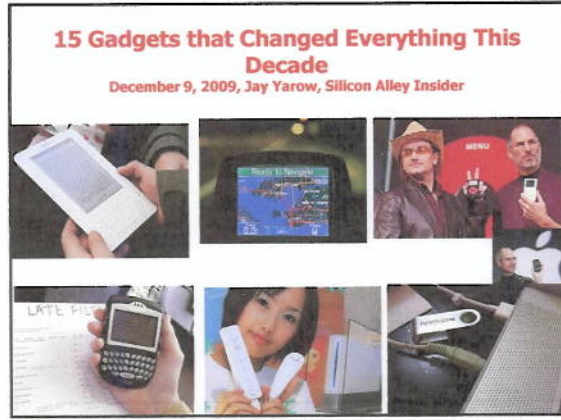
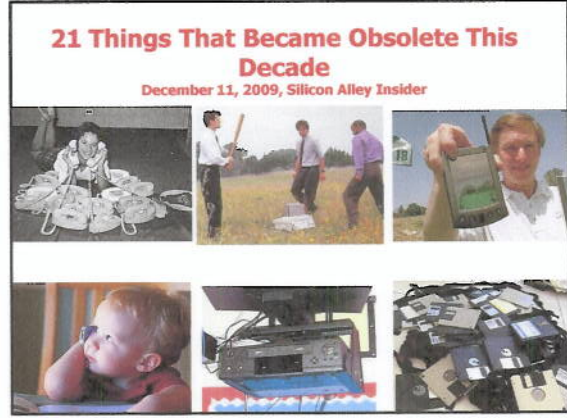
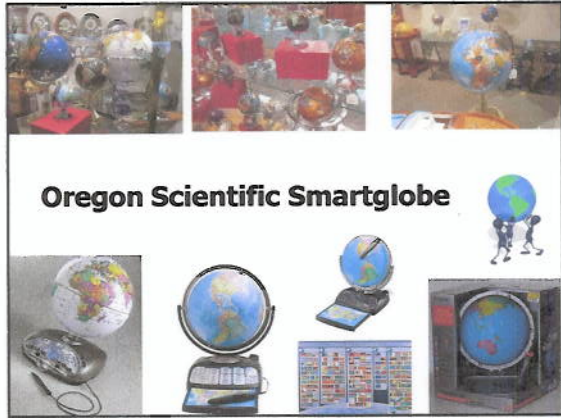


The World is Open: Introducing the Heroes, Gurus, and Revolutionaries of the Shared Internet

Curtis J. Bonk, Professor, Indiana University
 President, SurveyShare
 cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>

Thomas Friedman

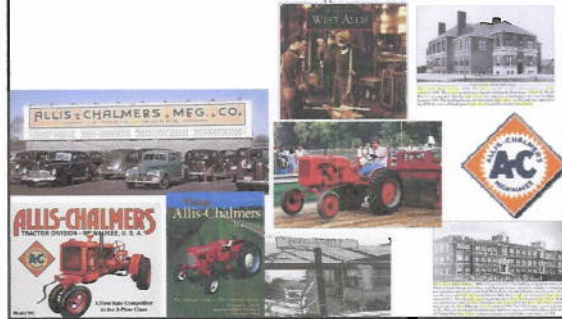




College technology 'catching up' with students
 By Kathleen Gray and Robin Erb, USA TODAY,
 October 6, 2009



Grandpa George (Goronja)
 (West Allis, Wisconsin, built tractors 40+ years)



Some Notable Moments in Recorded Life

1839 The first photograph is taken by Nicéphore Niépce.

1876 Alexander Graham Bell invents the telephone.

1878 Thomas Edison invents the incandescent light bulb.

1903 The Wright brothers make the first powered, controlled, and sustained flight.

1927 Charles Lindbergh makes the first solo non-stop transatlantic flight.

1929 The first radio broadcast is made by KDKA.

1939 The first television broadcast is made by NBC.

1945 The first atomic bomb is dropped on Nagasaki, Japan.

1954 The first nuclear power plant is built in Shippingport, Pennsylvania.

1957 The first satellite is launched by the Soviet Union.

1969 The first moon landing is made by Apollo 11.

1971 The first personal computer is introduced by Intel.

1977 The first space shuttle is launched by NASA.

1981 The first AIDS cases are reported.

1985 The first AIDS-related death is reported.

1989 The first AIDS-related death in the United States is reported.

1991 The first AIDS-related death in the United Kingdom is reported.

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2007 The first AIDS-related death in the United States is reported.

2008 The first AIDS-related death in the United States is reported.

2009 The first AIDS-related death in the United States is reported.

People have changed the world.

1844 The first patent is granted to Samuel Morse for the telegraph.

1859 Charles Darwin publishes 'On the Origin of Species'.

1876 Alexander Graham Bell invents the telephone.

1878 Thomas Edison invents the incandescent light bulb.

1903 The Wright brothers make the first powered, controlled, and sustained flight.

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Old companies teach new tricks

Microsoft, Dell, Apple face up to ripe old age of 30

Remember when...

1981 The first IBM PC is introduced.

1985 The first Macintosh is introduced.

1989 The first Windows operating system is introduced.

1991 The first Internet browser is introduced.

1995 The first e-mail is sent.

1997 The first Web browser is introduced.

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2008 The first Web browser is introduced.

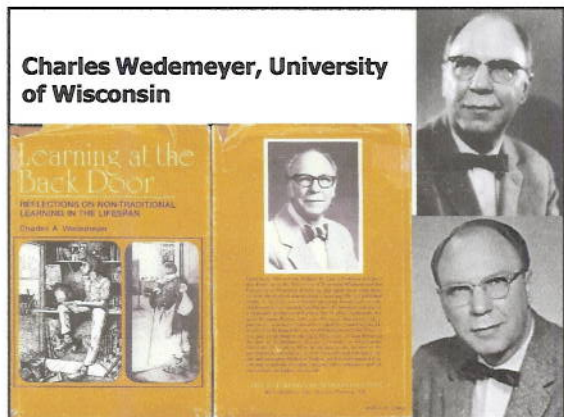
2009 The first Web browser is introduced.

Vannevar Bush

TIME

THE WEEKLY ENVIRONMENTAL

Charles Wedemeyer, University of Wisconsin

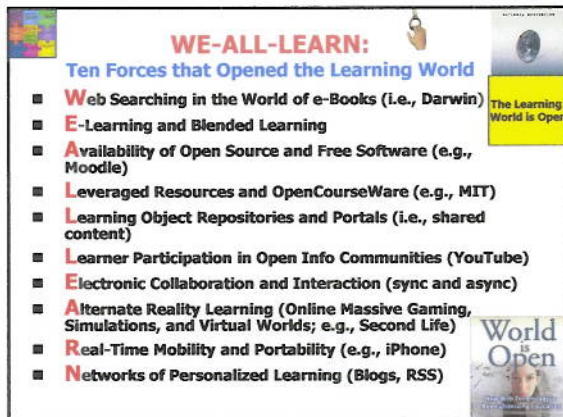


The image shows the cover of the book "Learning at the Back Door: Reflections on Non-Traditional Learning in the Lifespan" by Charles A. Wedemeyer. The cover features a photograph of a person sitting at a desk. To the right of the book cover are two black and white portraits of Charles Wedemeyer, one wearing a bow tie.

WE-ALL-LEARN:

Ten Forces that Opened the Learning World

- **W**eb Searching in the World of e-Books (i.e., Darwin)
- **E**-Learning and Blended Learning
- **A**vailability of Open Source and Free Software (e.g., Moodle)
- **L**everaged Resources and OpenCourseWare (e.g., MIT)
- **L**earning Object Repositories and Portals (i.e., shared content)
- **L**earner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- **A**lternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- **R**eal-Time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)



Small icons include a padlock, a globe, and a book cover titled "World is Open". A small yellow box on the right says "The Learning World is Open".

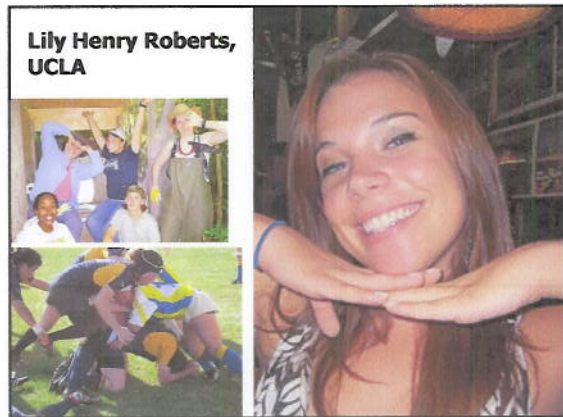
Triple Learning Technology
Convergence of "WE-ALL-LEARN"

1. **Pipes:** The availability of tools and infrastructure for learning.
2. **Pages:** The availability of free educational content and resources (OER—Open Educational Resources).
3. **Participatory Learning Culture:** A move towards a culture of open access to information, international collaboration, and global sharing.

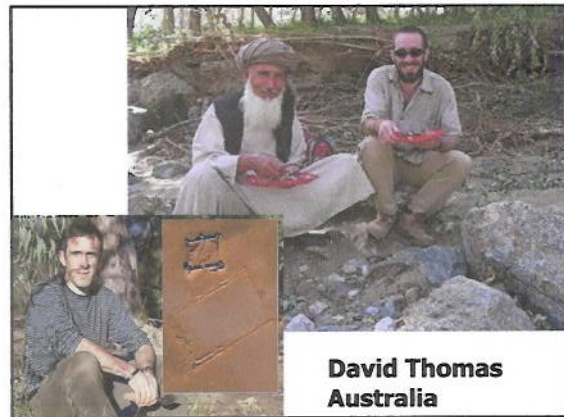


A small diagram on the left shows a flow from "Pipes" to "Pages" to "Participatory Learning Culture". A small book cover on the right is titled "The Learning World is Open".

Lily Henry Roberts, UCLA



The image is a collage. On the left, there are two photos: one of a group of people in a classroom setting and another of people in a physical activity. On the right is a large portrait of Lily Henry Roberts, a young woman with long brown hair, smiling and posing with her hands under her chin.



A photograph shows two men sitting on rocks outdoors. One man is wearing a turban and a white vest over a dark shirt, and the other is wearing a light-colored shirt and shorts. They appear to be eating watermelon. In the bottom left corner, there is a smaller photo of a man sitting on a rock next to a book cover.

David Thomas
Australia

Audience Participation!

1. WE

2. ALL

3. LEARN!!!



A small illustration of a man in a hat and a small portrait of a woman are included in the slide.

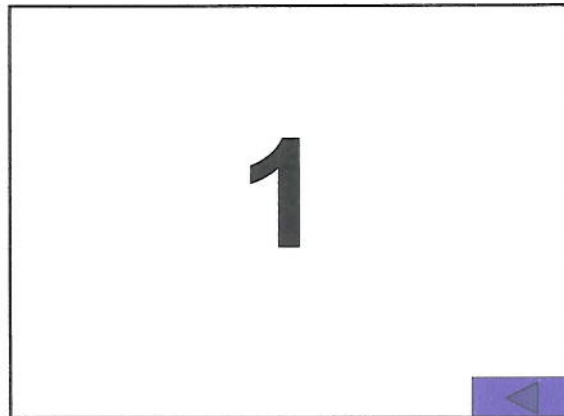
WE-ALL-LEARN:

Ten Forces that Opened the Learning World

1. **Web Searching in the World of e-Books (i.e., Darwin)**
2. **E-Learning and Blended Learning**
3. **Availability of Open Source and Free Software (e.g., Moodle)**
4. **Leveraged Resources and OpenCourseWare (e.g., MIT)**
5. **Learning Object Repositories and Portals (i.e., shared content)**
6. **Learner Participation in Open Info Communities (YouTube)**
7. **Electronic Collaboration and Interaction (sync and async)**
8. **Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)**
9. **Real-Time Mobility and Portability (e.g., iPhone)**
10. **Networks of Personalized Learning (Blogs, RSS)**

The Learning World is Open

World is Open



Tim Berners-Lee, MIT

Christopher Null, PC World

Important People #46 through #88

46. Sir Tim Berners-Lee
 Developer, World Wide Web Consortium (W3C)

What do you do after you invent the World Wide Web and give it away for free? That is a conundrum that needs an making it better. This British scientist designed the first Web browser, editor, and language protocol (HTML) and employed as a scientist at CERN (the European Organization for Nuclear Research), and he founded the W3C in 1994. He has several patents in favor of his credibility. And like the old financial Sir E.P. Hutton, when Berners-Lee talks, people listen.

...cracking high-definition DVD formats by the still-anonymous musician, who created "Desktop" programs for HD DVD last year and for Blu-ray Disc in January. Jethansen nonetheless remains the renegade that big media fears most.

19. Jerry Yang, David Filo, and Terry Semel
 Executives, Yahoo

Google's product innovations and its blockbuster purchase of YouTube for \$1.65 billion may have pushed Yahoo out of the limelight, but the Web giant led by founders Yang and Filo and CEO Terry Semel are fighting back. In the past two years, Yahoo has acquired online photo-sharing site Flickr and social bookmarking site Del.icio.us. It also continues to launch new properties such as Yahoo! Food and Yahoo! Pipes (for creating custom data feeds). Yahoo's recent switch to the Panama advertising platform represents another attempt to recapture ad revenue from Google. *Full disclosure: The author of this story writes a weekly column at tech.yahoo.com.*

The 50 Most Important People on the Web

Harris's who's shaping what you read, watch, hear, write, buy, sell, befriend, fame, and otherwise do online.

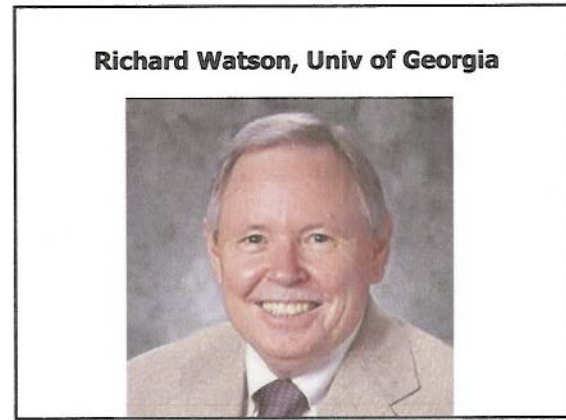
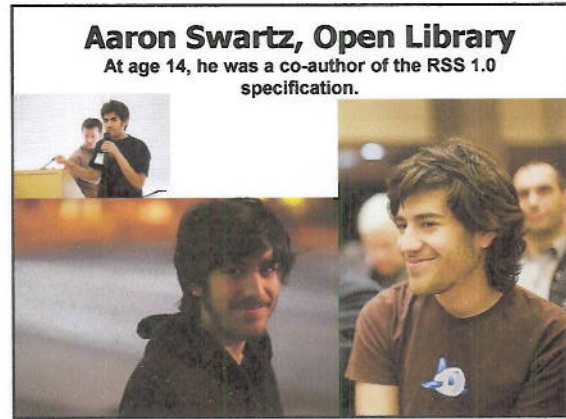
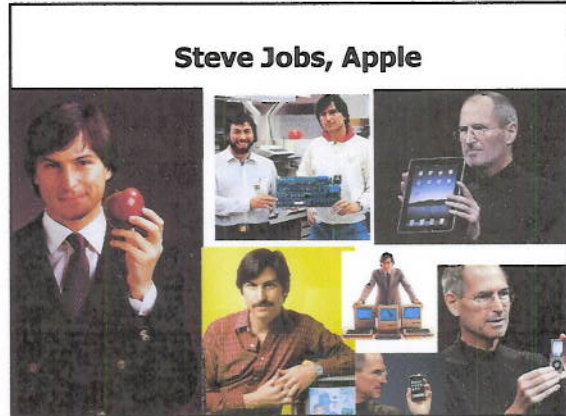
Christopher Null, PC World

Important People #1 through #5

1. Eric Schmidt, Larry Page, and Sergey Brin
 Executives, Google

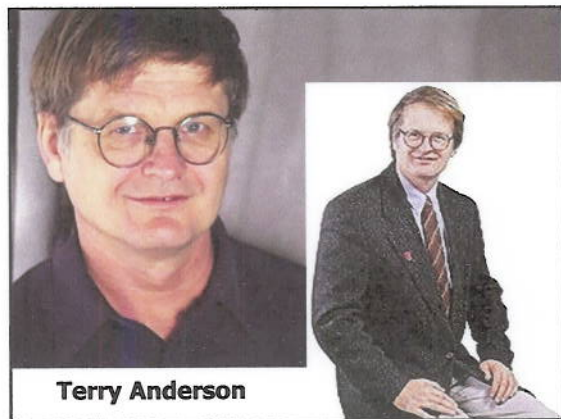
When your stock price can top \$100 a share, you're collectively worth \$33 billion in cash, and you run the most trafficked search engine on the Internet, you can afford to do, well, pretty much whatever you want. Sergey Brin and Larry Page's little project from Stanford has grown into the Web's most talked-about powerhouse, and one of the few names on this list to have matched one's web. Schmidt set himself to gain the honor of director at Google in 2001 and soon became the company's CEO. Having conquered the online advertising world, Google seems to be going in for an acquisition spree. Its headline-grabbing purchase of YouTube making a big step toward complete domination of the Web.

Marissa Mayer leads the company's product management efforts on search products - web search, images, news, books, products, maps, Google Earth, Google Toolbar, Google Desktop, Google Health, Google Labs and more. She joined Google in 1999 as Google's first female engineer and led the user interface and web server teams at that time. Her efforts have included designing and developing Google's search interface, internationalizing the site to more than 100 languages, defining Google News, Gmail, and Orkut, and launching more than 100 features and products on Google.com





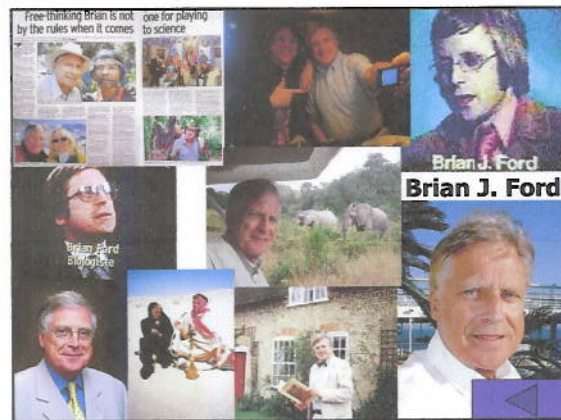
Cory Doctorow



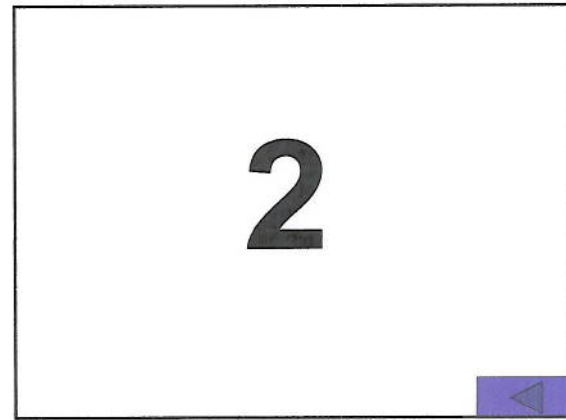
Terry Anderson



John Bivens, head of services and support for On Demand Books, demonstrates the printing of a book from an Espresso Book Machine at Google headquarters.

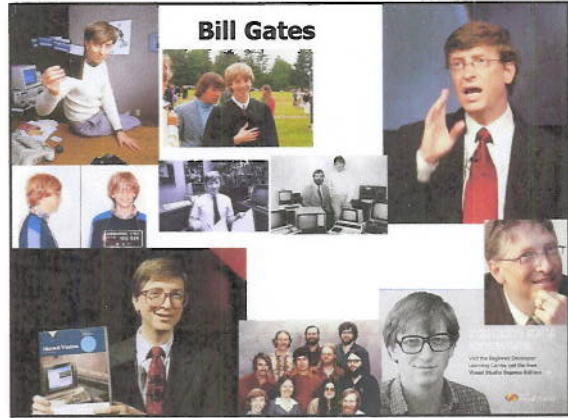


Brian J. Ford

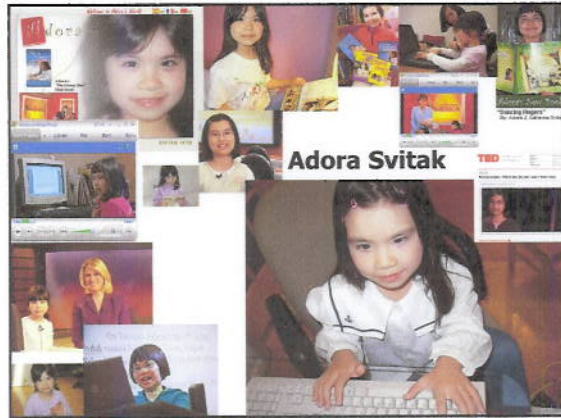




Oprah Winfrey



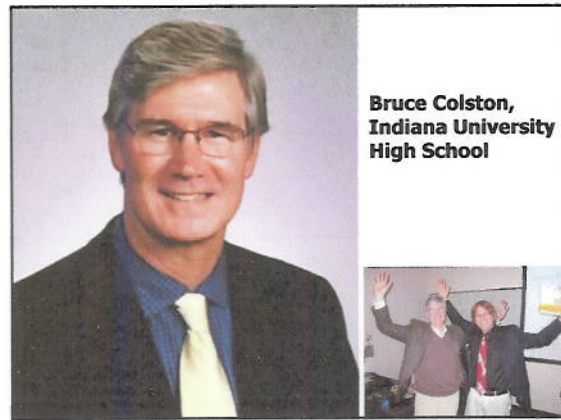
Bill Gates



Adora Svitak



Julie Young, Florida Virtual School

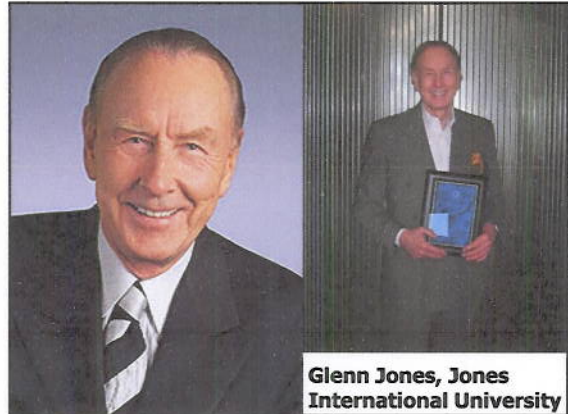


Bruce Colston, Indiana University High School

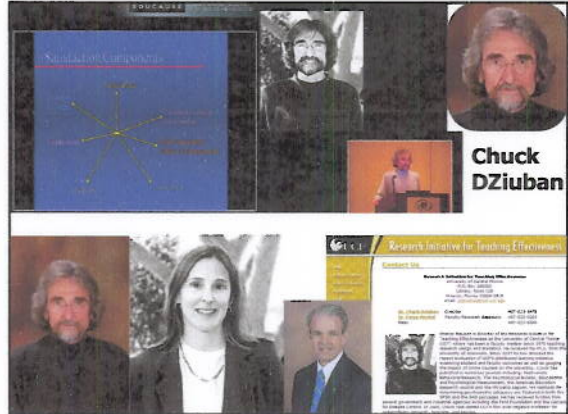
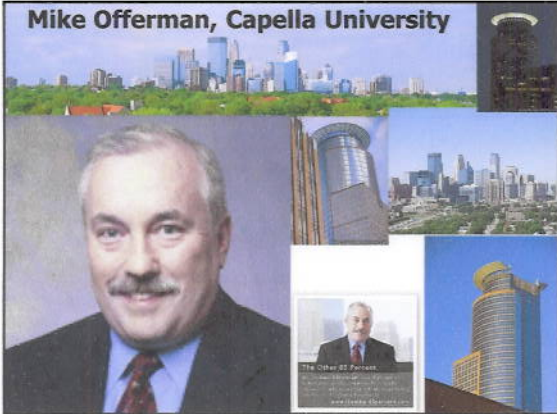


Evren Ozan, Native American flute music

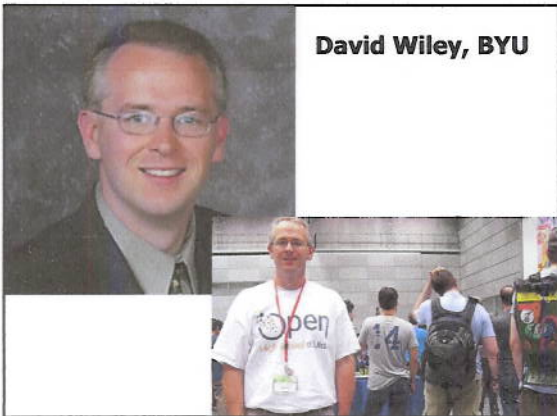
Karen, Lindsey, Caitlan, and Bridey Fennell



Mike Offerman, Capella University

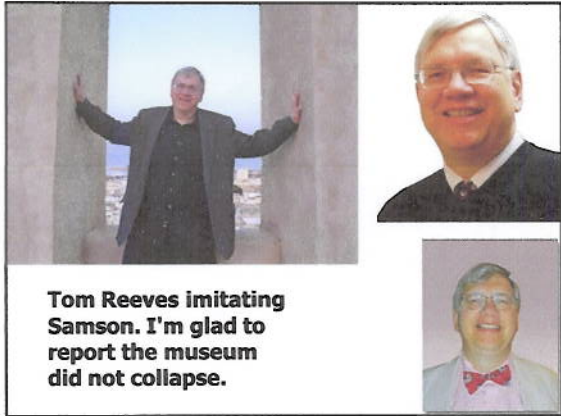


David Wiley, BYU

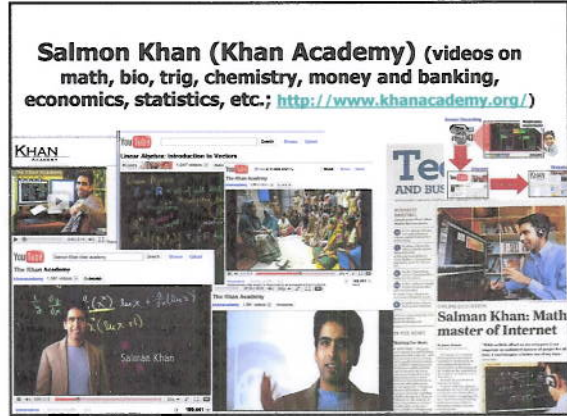


George Siemens, Athabasca Univ.





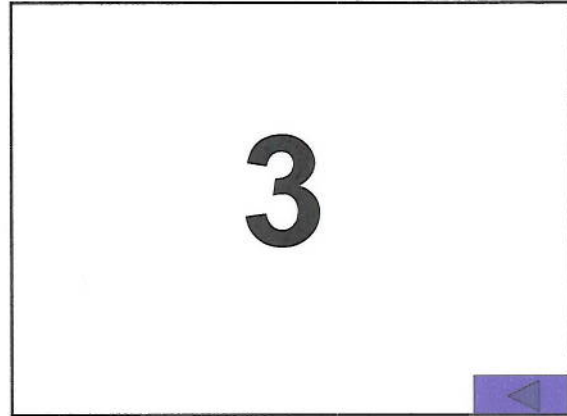
Tom Reeves imitating Samson. I'm glad to report the museum did not collapse.



Salmon Khan (Khan Academy) (videos on math, bio, trig, chemistry, money and banking, economics, statistics, etc.; <http://www.khanacademy.org/>)



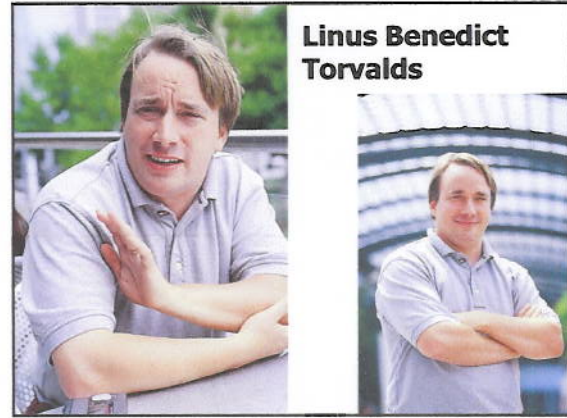
John Breen



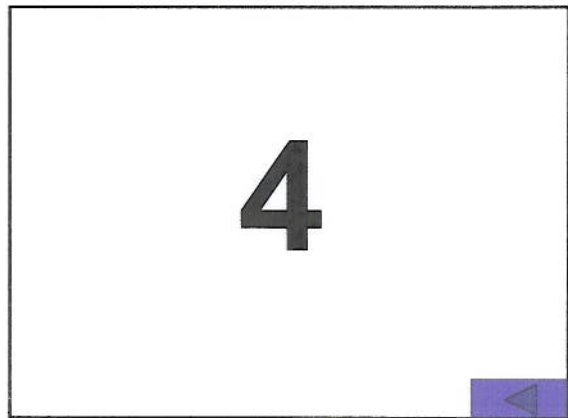
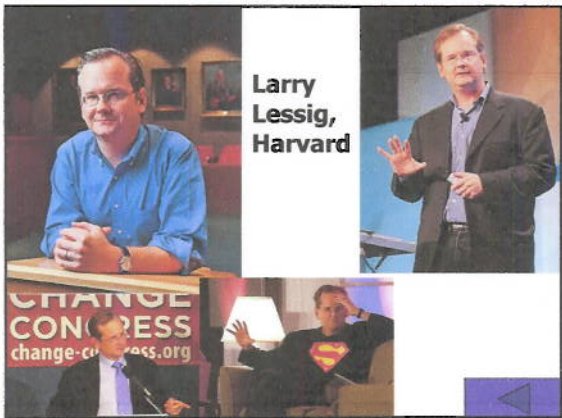
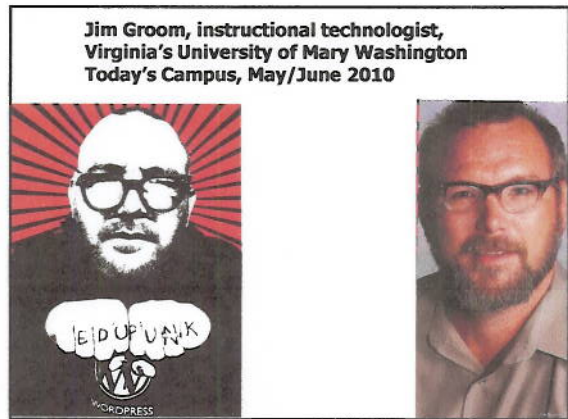
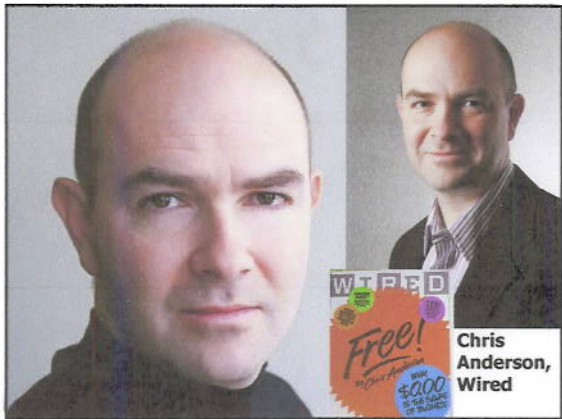
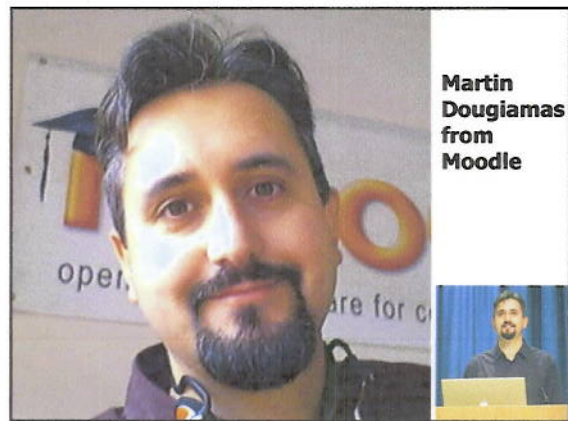
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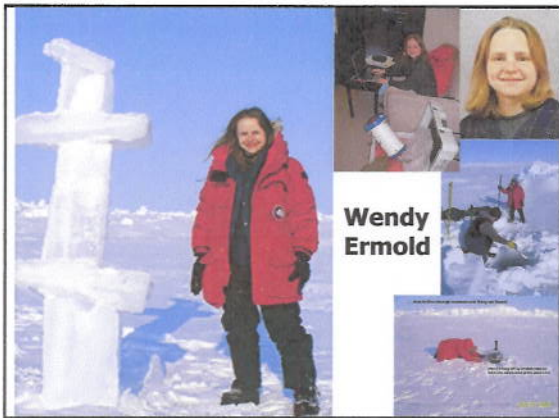
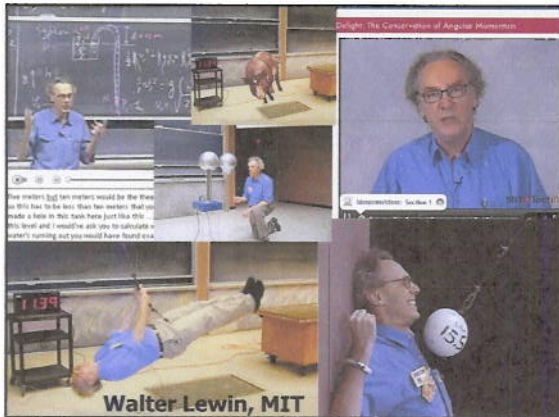
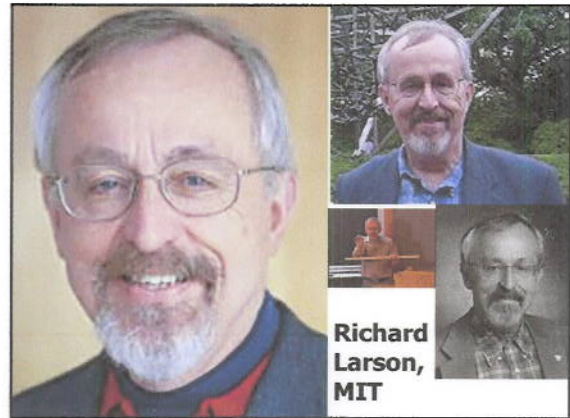
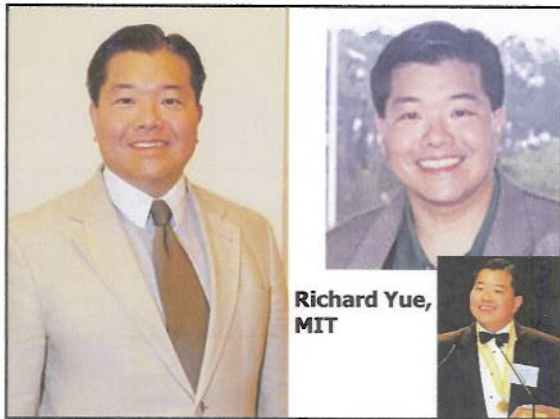


**Mitch Kapor
President of the Open Source
Applications Foundation**



**Linus Benedict
Torvalds**





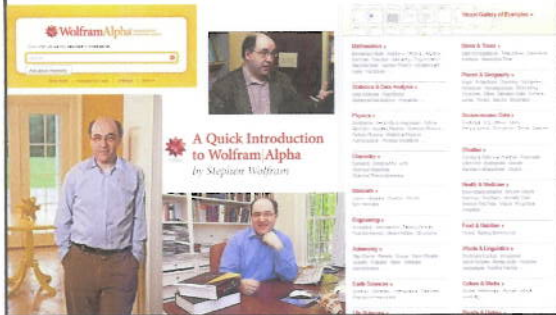
5

John Willinsky, Stanford (open access journals)



Stephen Wolfram (Wolfram Alpha)

<http://www.wolframalpha.com/>



Chris Anderson from TED

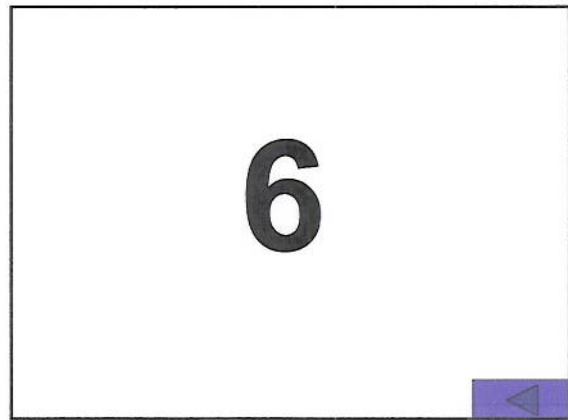
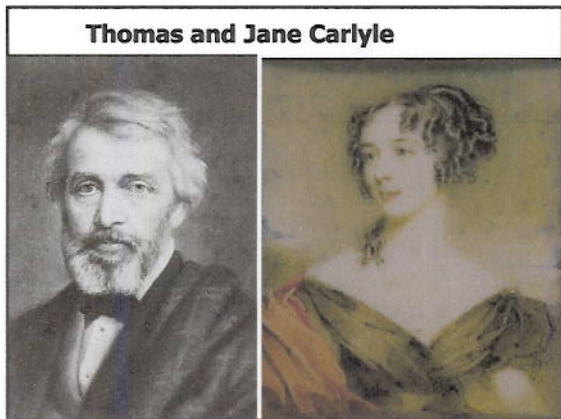
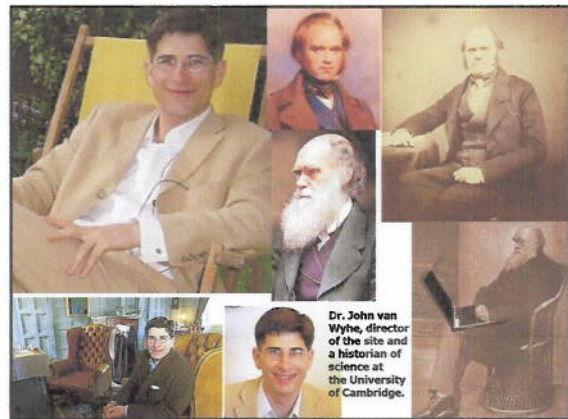
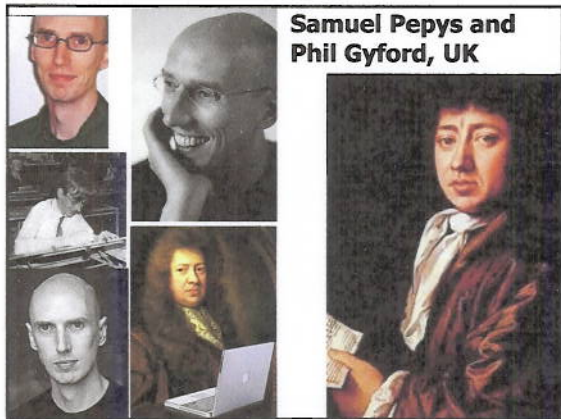


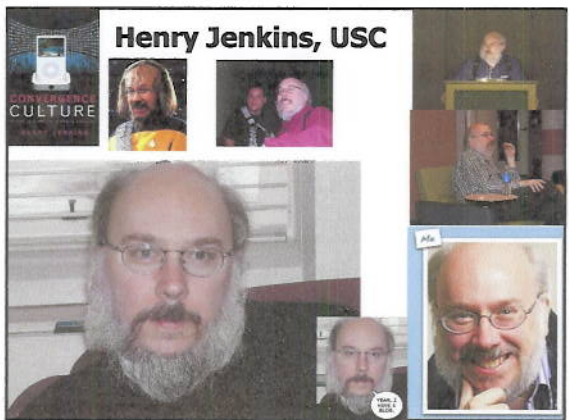
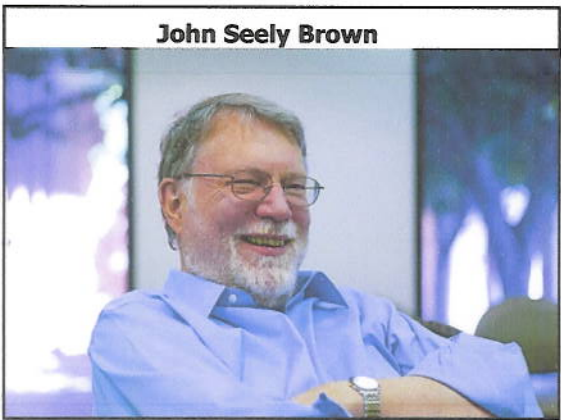
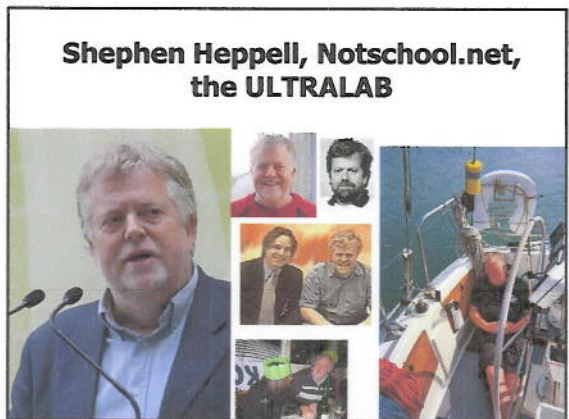
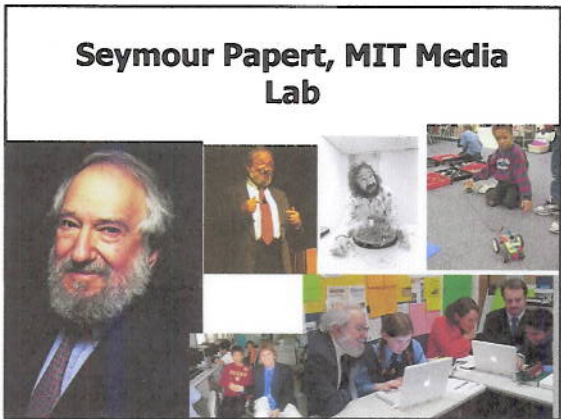
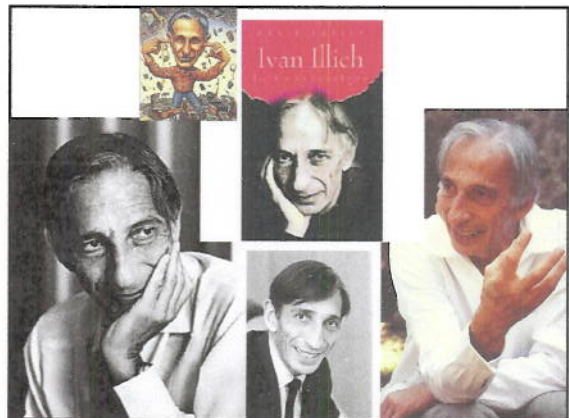
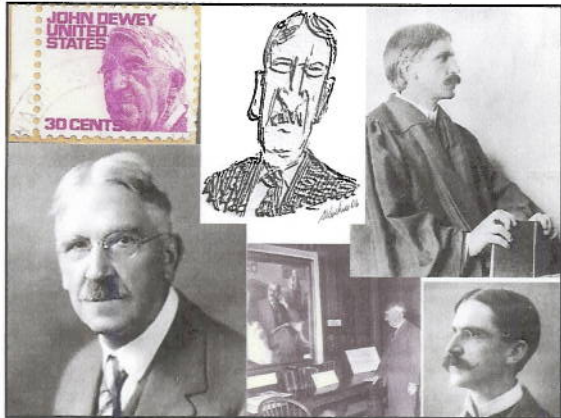
Blaise Zerega, CEO of FORA.tv (the Web's largest collection of unmediated video drawn from live events, lectures, and debates at universities, think tanks and conferences; e.g, Michelle Rhee from DC schools)



New Zealand fisherman







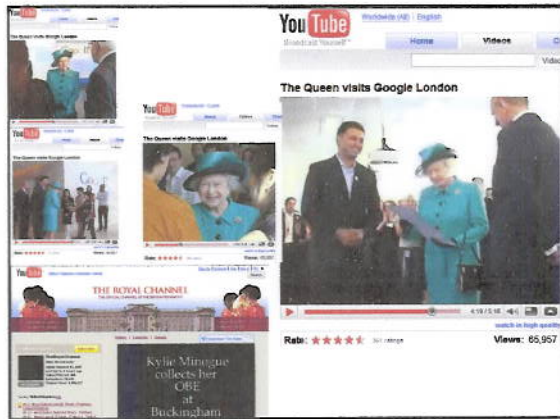


Chad Hurley and Steve Chen



Kevin Rose, Digg

How This Kid Made \$60 Million In 18 Months



Lee LeFever, CommonCraft



Michael Wesch, Kansas State



**Professor of Media Studies
Alex Juhasz**

**Alexandra Juhasz,
Pfitzer College**

Did you know?

shifthappens

DID YOU KNOW?

Karl Fisch, Did You Know? Shift Happens—Globalization, Information Age

Nikimedia

Live by those who possess the power

Jimmy Wales

Don Tapscott, Wikinomics, Grown Up Digital

WIKINOMICS
How Mass Collaboration Changes Everything

Don Tapscott and Anthony D. Williams

grown up digital
how the net generation is changing your world

DON TAPSCOTT

current

VIEWER-CREATED CONTENT

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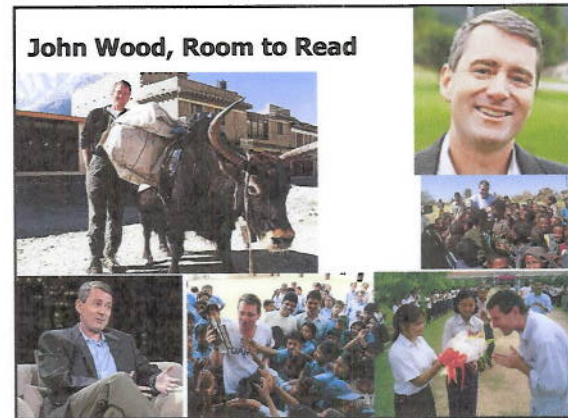
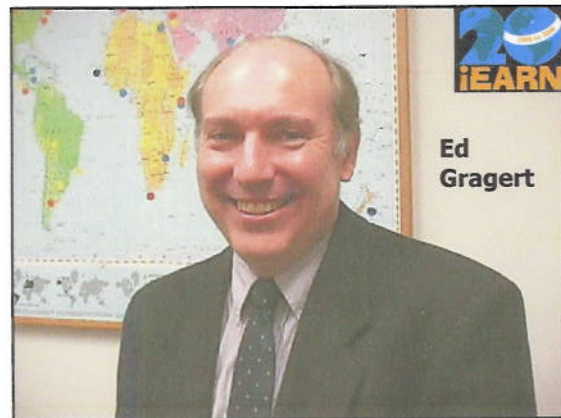
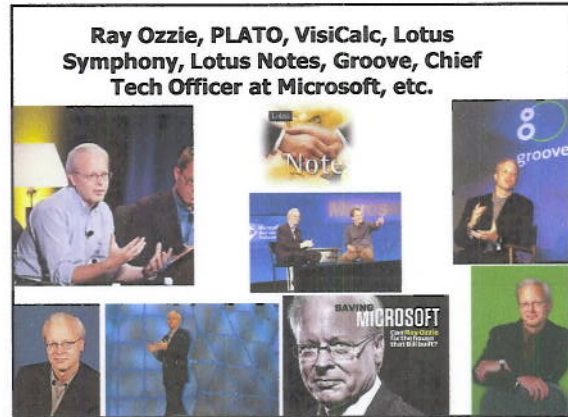
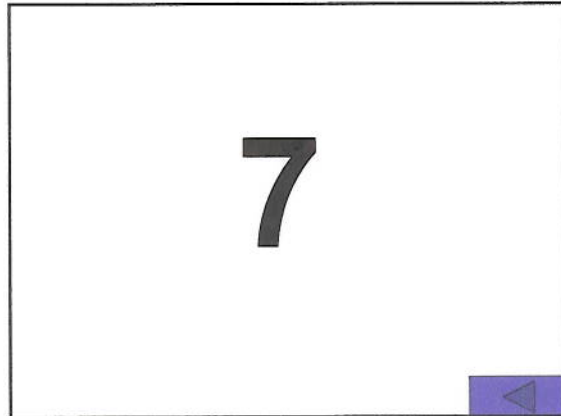
you

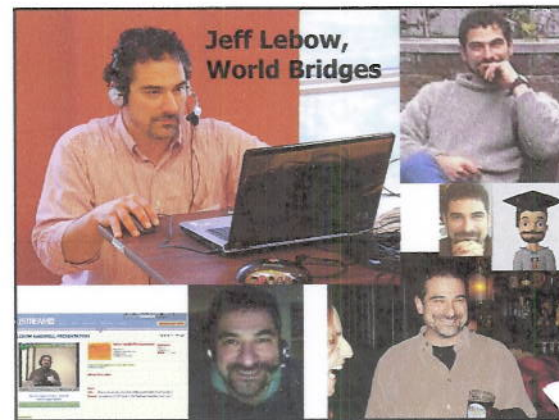
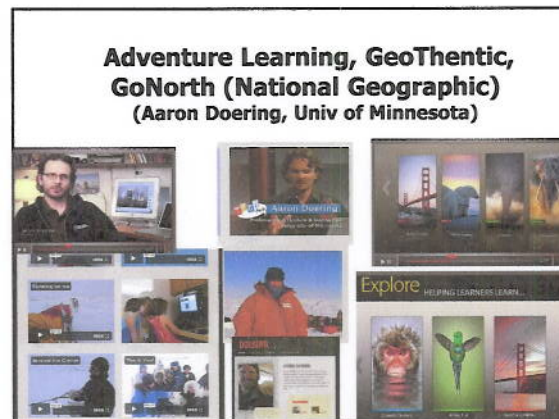
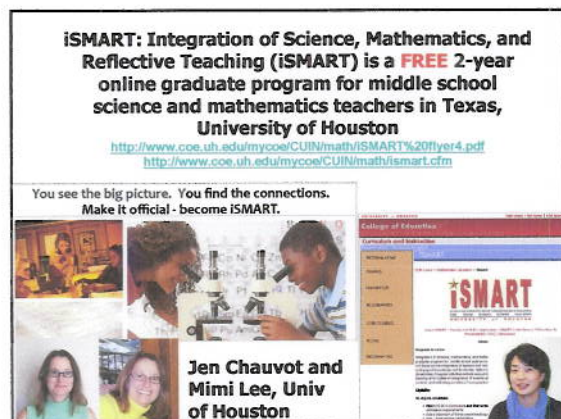
Yan Chun Su

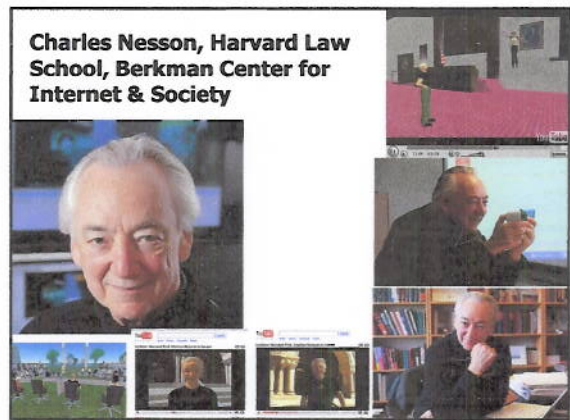
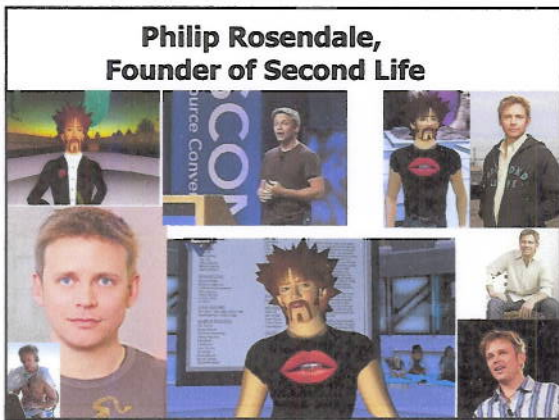
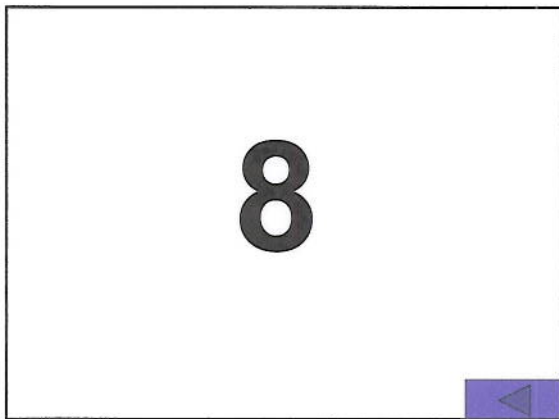
Jon Bowermaster, oceans expert, award-winning journalist, author, filmmaker, adventurer (e.g., Oceans 8 from National Geographic)

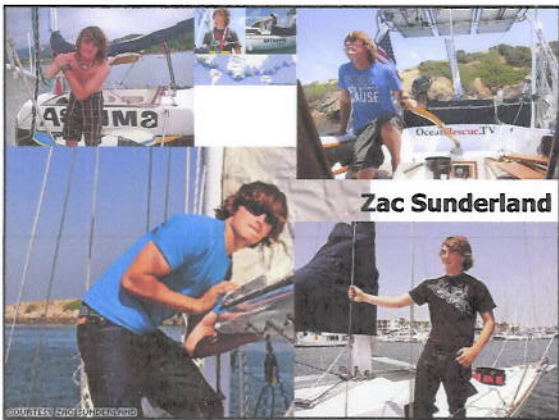
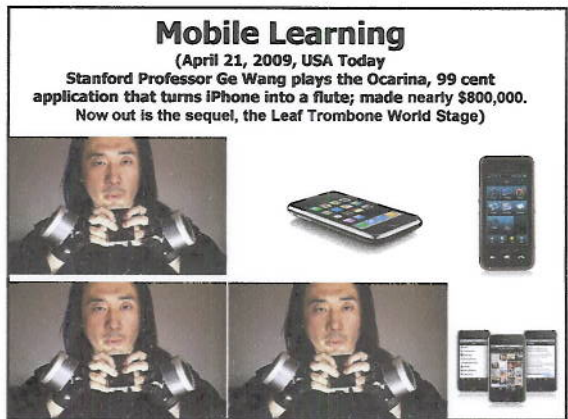
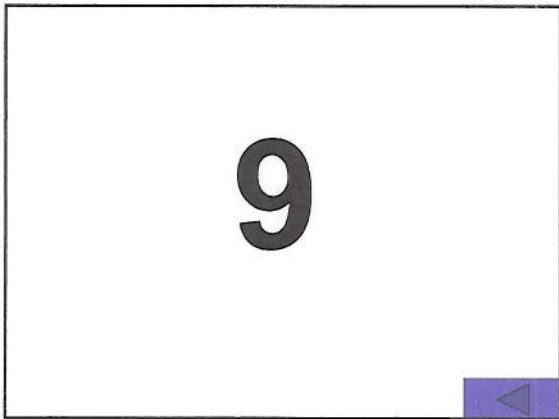
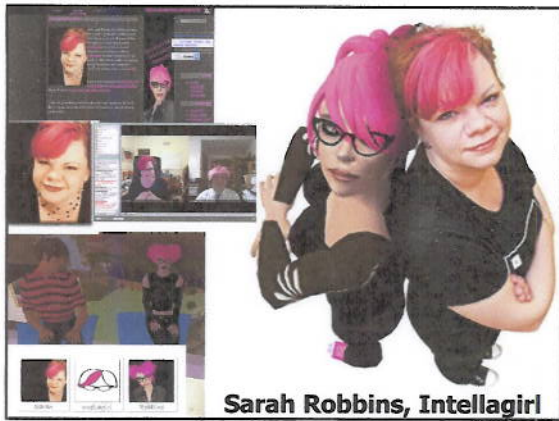
THE FUTURE OF THE INTERNET AND HOW TO STOP IT

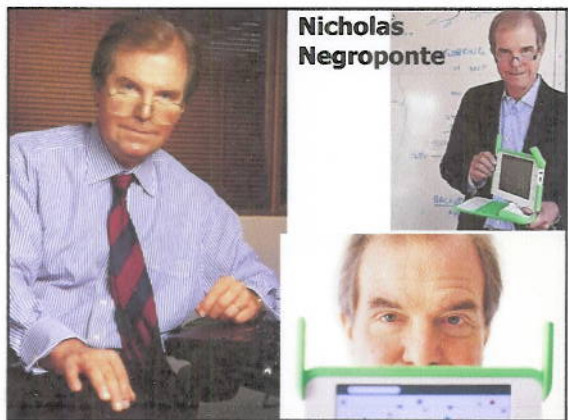
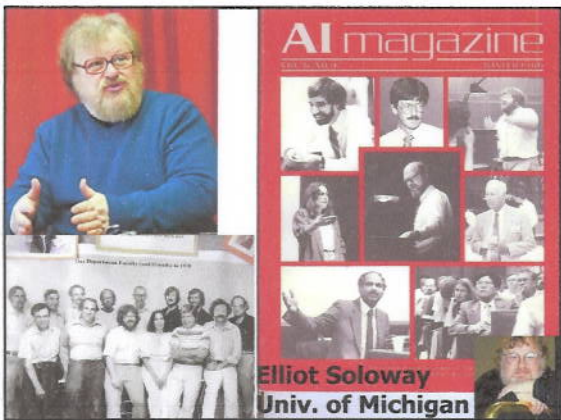
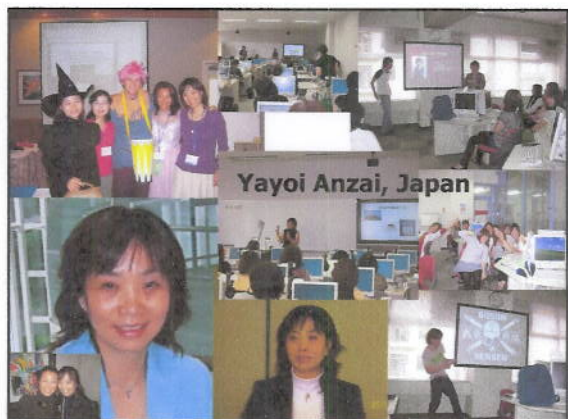
Jonathan Zittrain, Harvard







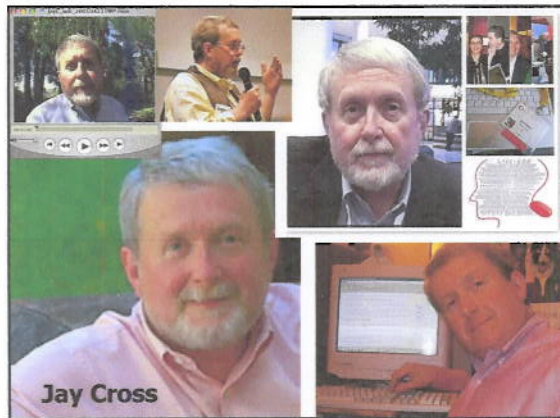
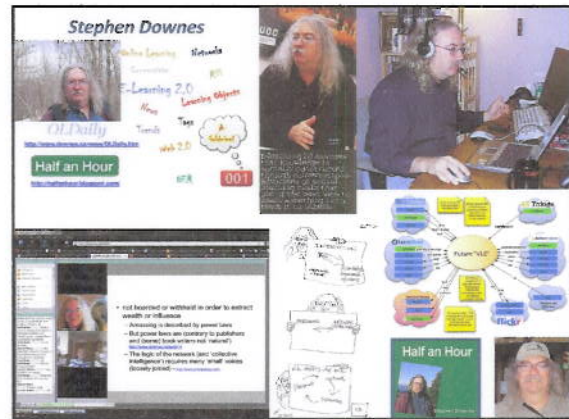


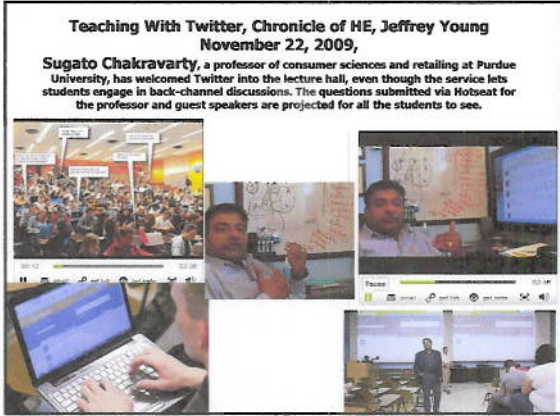


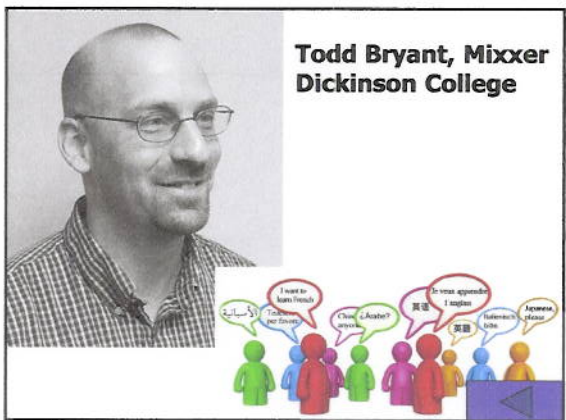
'One Laptop Per Child' program collides with reality
GEOFFREY YORK, Toronto Globe and Mail, Oct 15, 2009
Bhutan, Khendum Gyabak (Univ. of Texas at El Paso)



10







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