The Ten Forces that Flattened the World
Triple Convergence: (1) new economic players, (2) playing fields, and (3) processes.

1. 11/9/89: Berlin Wall came down
2. 8/9/95: Netscape went public
3. Work/How Software (e.g., PayPal and eBay)
4. Open-sourcing (Self organ collab communities; Mosaic, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chain (e.g., Walmart)
8. Insourcing (UPS fixing Toshiba laptops)
9. In-formation (e.g., Google, Yahoo, MSN Web Search)
10. The Steroids: Digital, Mobile, Personal, and Virtual (wireless, file sharing, VoIP, video camera in phone)
THURSDAY, JUNE 11, 2009
Another Sleepless Night
Position: 06/11/09 1719Z 15 20.858N 97 04.512W

I managed to get everything sorted out in Huatulco and was out of the marina by about 1:00 in the afternoon. I weaved my way out of the tricky entrance by following my old track on the chart plotter. When I got out of the harbor I got slammed by 15 knots on the nose once again keeping me from where I wanted to go.

I tacked out to sea and picked out some way points to route me around the maze of sea mounts about 8 miles offshore. After a couple of hours of sailing along, my radar started to pick up a huge patch of squalls about 10 miles off of my bow. I went into the cockpit to take a look and the whole horizon was blackened by the approaching squalls and the lightning was lighting up the sky.

WE-ALL-LEARN:
Ten Forces that Opened the Learning World
- Web Searching in the World of e-Books (i.e., Darwin)
- E-Learning and Blended Learning
- Availability of Open Source and Free Software (e.g., Moodle)
- Leveraged Resources and OpenCourseWare (e.g., MIT)
- Learning Object Repositories and Portals (i.e., shared content)
- Learner Participation in Open Info Communities (i.e., YouTube)
- Electronic Collaboration and Interaction (sync and async)
- Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- Real-Time Mobility and Portability (e.g., iPhone)
- Networks of Personalized Learning (Blogs, RSS)
Audience Participation!

1. WE
2. ALL
3. LEARN!!!

Opener #1. Web Searching (e.g., Google, MSN, Yahoo!) in the World of e-Books (i.e., Darwin, Shakespeare, etc.)

Trend #1. Web Searching in the World of e-Books. What happens then?

WE
ALL
LEARN!!!

Norm Kamikow
Editor in Chief, CLO, April 2009, page 4

- Recently, I read a startling statistic: More than 53 trillion digital pages will exist online by 2010.
- I found this metaphor, based on commonly accepted measures of time, explaining order of magnitude between a million, a billion and a trillion. A million seconds was 12 days ago. A billion seconds ago, it was roughly May 1977, a span of 32 years. A trillion seconds ago, the Stone Age started.
Free Online Books
(Terry Anderson and Fethi Elboulaoui, eds. Theory and Practice of Online Learning: Canada: Athabasca University, 2004).
http://cds.athabasca.ca/online_book/, 50,000 downloads in first year.

Global Text Project (free textbooks for those in less developed countries)
http://globaltext.org/

Digital Textbook in Korea
dictionary, email and forums, games, simulations, hyperlinks, multimedia, authoring, data search, study aids, evaluation, etc. (112 schools as of 2009; free for all schools by 2013)
http://www.dtbook.kr/eng/index.jsp

Read, Listen, etc. to online books (e.g., "An International Episode" by Henry James)
Opener #2. E-Learning and Blended Learning

Trend #2. E-Learning and Blended Learning. What happens then?

WE

ALL

LEARN!!!

Capella Tower
225 South Sixth Street, Minneapolis
Formerly, the "Halo"

2 Million People Sign up for Part I of Oprah's Course on Spiritualism (Skype; 500,000 simultaneous video streams, March 2008)

Growth of Online Learning in Secondary Schools
(Florida Virtual School; AP American History)
A Grain of Rice: A Bloomington man’s
computer vocab game feeding the world
Herald Times, Wednesday
February 6, 2008, Mike Leonard

Opener #3. Availability of
Open Source and Free
Software (e.g., Linux,
Apache, Moodle, Sakai)
Trend #3. Availability of Open Source and Free Software. What happens then?

WE ALL LEARN!!!

The Sakai Project (over 100 organizations today, Sakai Project began in 2004 when Stanford, Michigan, Indiana, MIT, and Berkeley)

Opener #4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from MIT, Utah State, CORE, OOPS)

Open Educational Resources (OER)
Post Courses in YouTube and iTunes (e.g., Berkeley)

OpenCourseWare (OCW)
Cute Kitten or Transformation? (per George Siemens)
Cape Town Open Education Declaration, Dec 2007
http://www.capetowndeclaration.org/
Wendy Ermold, is a scientific programmer and field technician for the Polar Science Center

University of the People (free!)

Opener #5. Online Learning Object Repositories and Portals (shared content)

From left, three views of a fragment of one of the Dead Sea Scrolls: a plain digital image, a color scan and an infrared scan.


Tracking Live Internet Thawing: A Colossal of an Idea

Deep-Sea Behemoth
Captain John Bennett examines the world's first intact adult male colossal squid on board his New Zealand fishing boat in February, 2007, in the Ross Sea near Antarctica. The gigantic sea creature weighs a world record 1,089 pounds. After being frozen whole for over a year, scientists at New Zealand's national museum will thaw the squid for further study.

Ida (a transitional species)

What If the World was Beyond our World?
NASA's Hubble Space: Google Sky) USA Today, August 22, 2007
http://earth.google.com/sky/index.html
The Complete Works of Charles Darwin and Shakespeare

Reflection on Online Contents: The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys, John Evelyn (Great Plague, Great Fire), Charles Dickens (Great Expectations), and John Ruskin.

Referatory: MERLOT.org
(67,000 members, 21,000 learning materials, 2/10/2009)

Connections Growth, January 2009
> 8,000 modules (3-5 pages)
> 425 collections (books and courses)
> multiple languages
> engineering, computer science, nanotech, physics, statistics, math, history, music, bio-diversity, botany, bio-info, IP, BRIT, UNESCO, UN, Sigma Xi...
from authors worldwide

Opener #6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)

Conference to Conference (You Ustreamed my Ustream: Now that's a Twitter of an Idea)
LibraryThing: The World's Largest Online Book Club (you can be a "thingamabrarian;"
500,000 users and 35 million books on member bookshelves.)

Opener #7. Electronic Collaboration and Interaction (synchronous & asynchronous)

Chinswing (audio threaded conversations)
TutorVista has 600 tutors in India and 10,000 subscribers in the United States, including Kenneth Tham in Arcadia, Calif.

What if your children could interact with explorers in Antarctica?

1kg More Project for Rural China (http://www.1kg.org/)

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
Opener #9. Real-Time Mobility and Portability (e.g., iPhone, low cost wireless devices)

Alexandria in our Pockets! What if every early elementary kid could have a terabyte (1,000 gigabytes or 1 trillion bytes) of data on a thumb drive? (Wired Magazine, October 26, 2007 says it will be possible in a few years; research from Arizona State)

Terabyte thumb Drives and Magic Pens! (The Pulse from Livescribe)
Second, we need new ways to record info:
Smartpens: "Never Miss a Word"

Mobile Learning
(April 21, 2009, USA Today)

Ocarina, Leaf Trombone lead big parade of iPhone apps, April 21, 2009, USA Today
Jefferson Graham

- Their Ocarina, a 99-cent application that turns the iPhone into a virtual flute, has become one of the iPhone's best-selling apps — to the tune of nearly $800,000. Now out is the sequel, the Leaf Trombone World Stage.
- "We believe in the potential of interactive sound; we believe that everyone is inherently creative; and we want to unlock that creativity in everyone," says Wang. "We want to find new types of ways to connect people, using the technology we have before us."
Mobile Learning and Social Networking
(e.g., Miix, Yayo Anzai, Professor Japan)

Africa is Going Mobile!
40,000 new mobile subscribers a week in Rwanda; Rwanda News Times report, January 2009
Africa is the continent with the fastest growth, where penetration has soared from just one in 50 people at the turn of the century to 28%. International Telecommunications Union (ITU), March 2009
India: In 2008, 7M new mobile subscribers a month. In January, 2009, the number sky rocketed to 15.4M (Growth was driven by people in the poorest region)
Globally: 60,000 new mobile subscriptions every hour!!!
(paper Paul Kim, Stanford, 2009); Nokia Research Lab
http://www.research.nokia.com/

One Laptop Per Child foundation (OLPC)
(How about a $12 laptop?)

Opener #10. Networks of Personalized Learning
(Blogs, Podcasts, MySpace, Flickr, and RSS)
Create a Social Networking Group (MySpace, Facebook, LinkedIn)

Learning Towns are Popping up!

Twitter (Micro-blogging)

Predictions
1. Five Billion "Have-Notes" Have at It!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-Century Learning Clubs
4. Terabyte Learning Access Points
5. The Veneration of Learning
6. Personalization+ Portfolios
7. The Selection of Global Learning Partners
8. The Shared Learning Era
9. Teaching-Learning Perpetuities
10. Teachers, Teachers
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Analogizations
15. Alexandrian Aristocratic

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
The World is Open.
What happens then?

WE ALL LEARN!!!