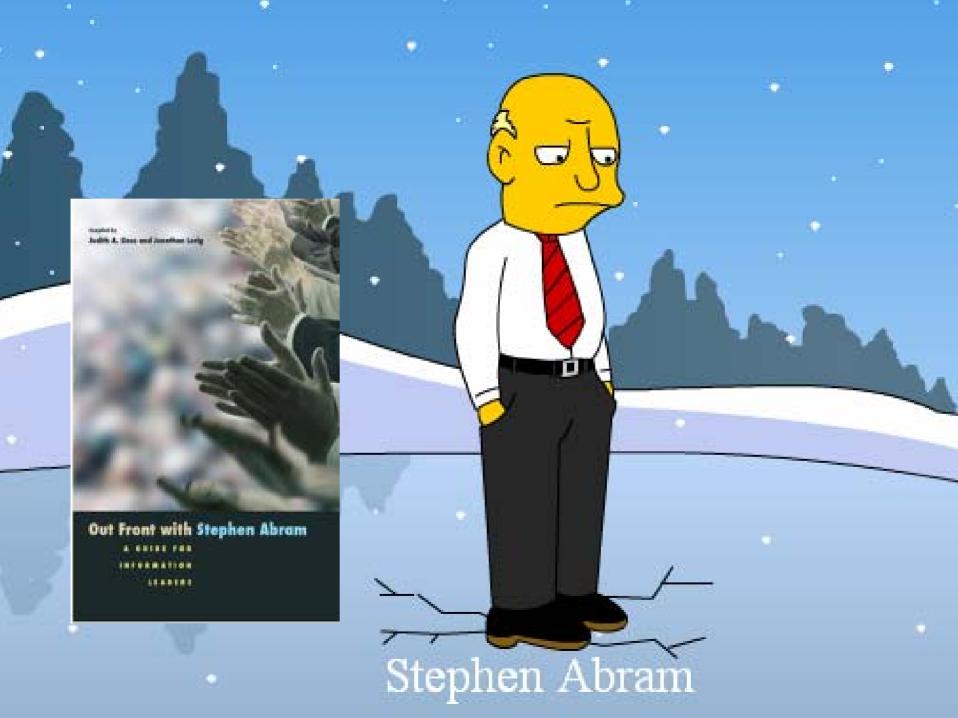


A Tech Forecast: Library 2.0 in the Real World



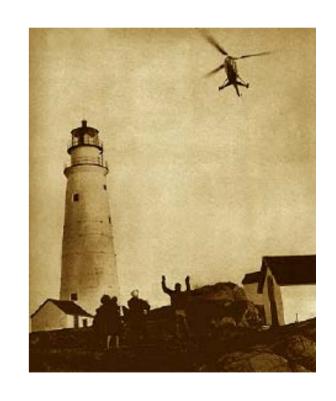
Stephen Abram, MLS, FSLA President 2008, SLA Vice President, Innovation, SirsiDynix Chief Strategist, SirsiDynix Institute





Slides

- These PPT slides will be at:
- Stephen's Lighthouse
- http://stephenslighthouse. sirsidynix.com
- Or give me a USB drive and I'll give you a copy.









The Perfect Storm

- US National debt increases affecting global economy
- \$4+/gallon gas in US messes biggest consumer economy
- Google (Search, Ads, & Apps) Dominance?
- Global Change (China, India, EMEA)
- Format agnosticism
- Generations turtle driving user behaviour changes
- Mergers (Reuters, Dow Jones, Gale, MS Yahoo!?, etc.) increase in Information sector
- Multi-type Consortia increase of necessity
- New standards (XML, JSR168, etc.) drive portalization and personalization of the web
- New social competitors emerge to Google, MS, Yahoo, Ask, etc. Second Earth?





Pew 2020 Predictions

- Very low cost, ubiquitous and fast global network
- Humans remain in charge of technology in the near term but automated "smart agents" will proliferate
- Virtual reality will be compelling enough to enhance worker productivity (Gartner predicts that by 2012 80% of Internet users will use an avatar.)
- Technological addiction problems will arise
- Tech "refuseniks" will emerge as a cultural group
- Privacy will emerge as a more balanced issue





2020 Prediction from Peter Kaufman

- Over the next 13 years an iPod size device will hold:
- 1 year's worth of <u>video</u> (8,760 hours) by **2012** (5 years from now)
- ALL the commercial <u>music</u> ever created by 2015 (8 years), and
- ALL the <u>content</u> ever created (in all media) by 2020 (13 years).
- This will drive a new global phase of large informational hubs on the web and massive aggregations of content and services.
- What does this Internet and personal device hybrid world look like?



Why Libraries Need Strategic Focus

- Our real goals:
- · Our enterprise mission and vision
- Entertainment
- Cultural preservation and use/re-use
- Learning, Scholarship, R&D
- Community
- Bridging the divide
- Decisions and action /policy
- Discovery, Creativity, Invention, Innovation
- A FUTURE orientation based on respecting the past.

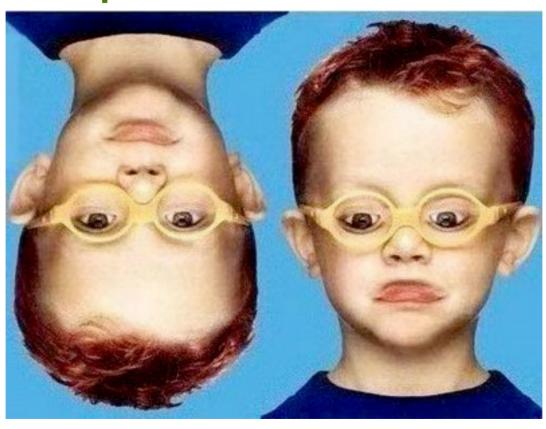


"That's Just Your Perception"



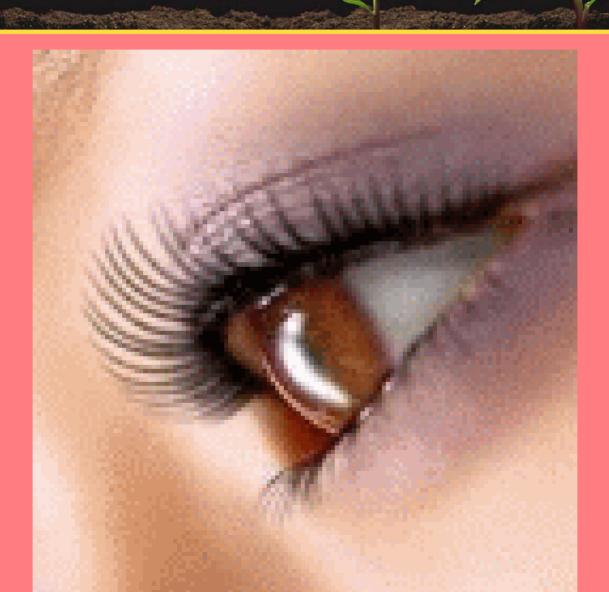


Optical Illusions









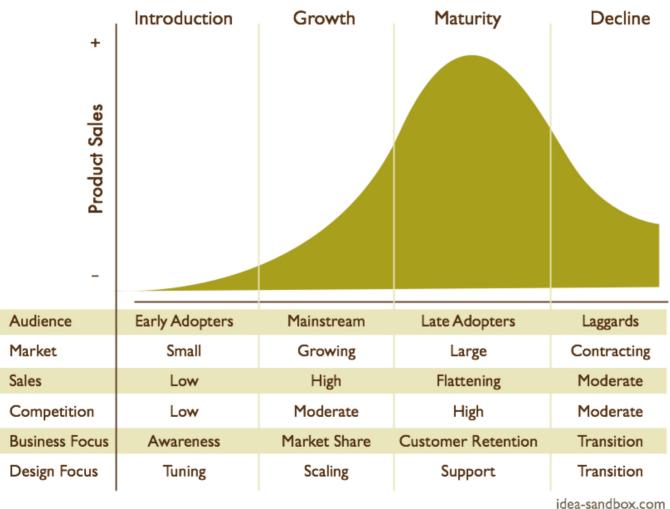


Challenges for Us

- Customer Experience
- Organization and OD
- Technology
- Partnerships and Alliances
- Money and Communicating Value
- Capacity for Leadership and Change
- Programming for Everyone
- Change Leadership vs. Change Management
- Our Culture good and bad

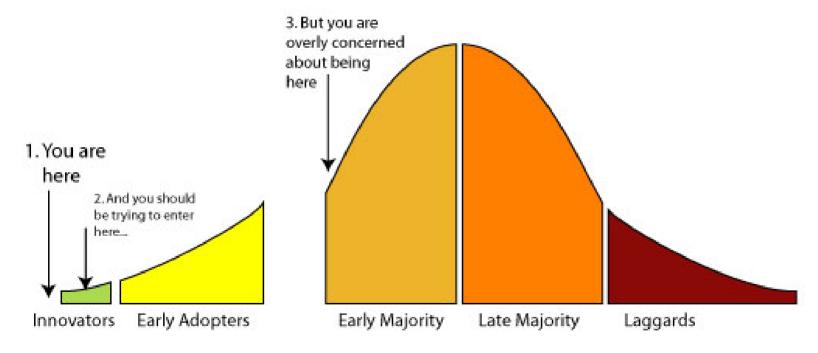


Life Cycle: Four Basic Stages





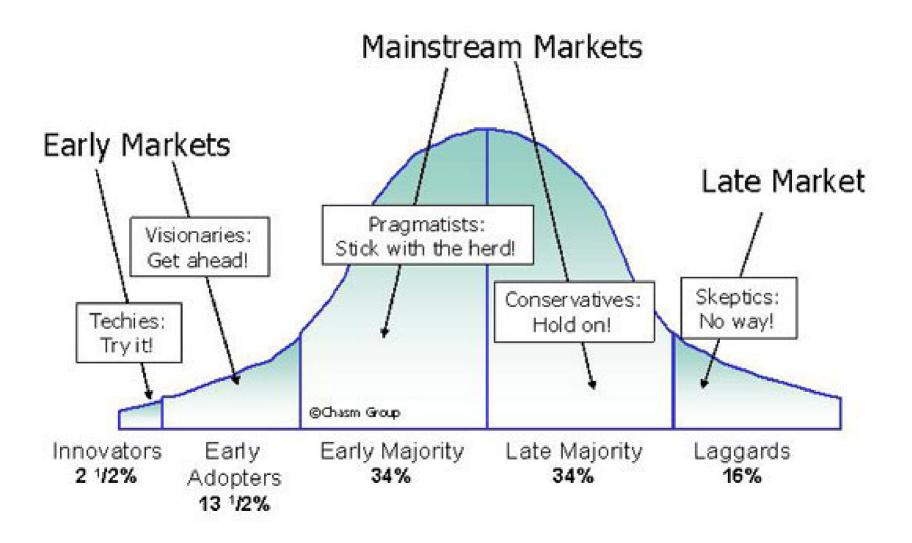
Adoption Ambiguity



So, instead, you get nowhere.

Technology Adoption Life Cycle

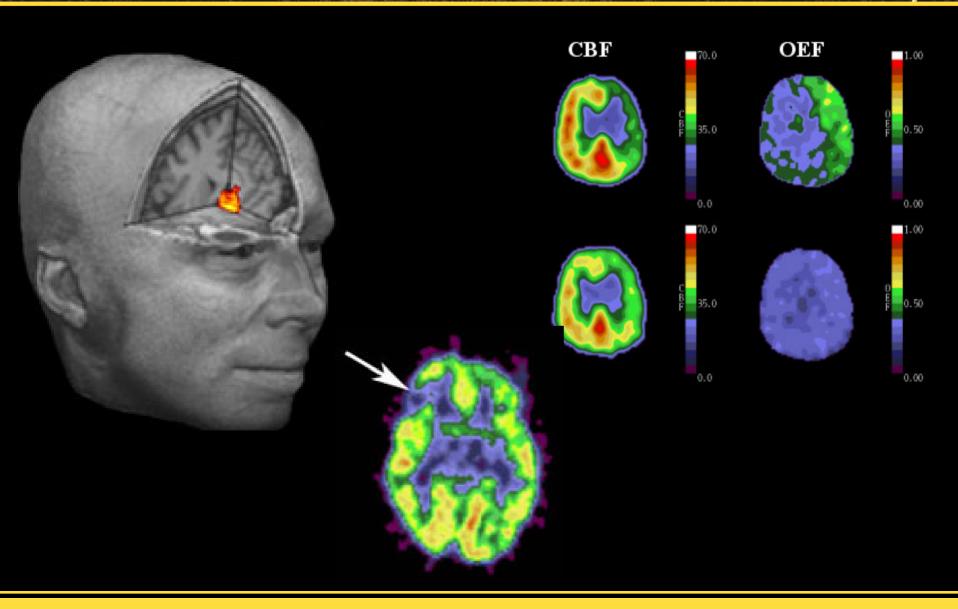
Groups are distinguished from each other based on their characteristic response to discontinuous innovations created by new technology













Manage of the second se

Simple Collaboration



Messenger









Meebo and Trillian

90%+ of people from ages 15-25 have at least one IM account vs. only 5% of over 30's





- Thomas Ford Memorial Library 50%!
- Pennsylvania State University IM pilots now throughout 28 site campus-wide
- SirsiDynix Docutek VRLPlus K-12 experience in New Zealand



Are You Ready? For the Millennials?









Explore Learn

iscover More...

What is SchoolRooms

What's in SchoolRooms

Who Uses SchoolRooms

Why Students Like SchoolRooms

Ohio Boston + **Philadelphia Delaware California South Carolina Australia**

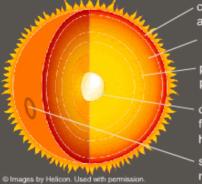
etc.

es SchoolRooms

Events



Earth Science Room: The Amazing Sun



A NEW LEARNING PORTAL FOR THE K-12 COMMUNITY

corona - the sun's atmosphere chromosphere

photosphere - the lightproducing layer

core - where the nuclear fusion of helium and hydrogen takes place

sunspot - dark patch that makes cooler gases

Explore a new learning portal for the K12 community



SchoolRooms™ by SirsiDynix is a new online portal. that encourages K-12 students to

explore, discover, and learn anywhere, anytime

Designed to meet students' needs and to be a tool for parents who play an integral role in helping their children continue learning outside the classroom.

Using SchoolRooms, students can search (all at once!):



Best of Web™

Results from highquality, certified Web sites hand-picked by teachers and

librarians, Search databases at the same time and find related articles, Learn more about BOW. Explore More...



News & Events

Catch up on the news

about SchoolRooms. Check out the next place you can see SchoolRooms in action and find out more about how SchoolRooms can provide your students with an unparalleled learning experience. Discover More...

Case Study: Boston Public Library scover how Boston



















Thomson buys Reuters, sells Gale, etc.
Microsoft merges with Yahoo! and / or whom?
Semel out, Yang in.
Murdoch buys Dow Jones / WSJ
MySpace and Photobucket
Facebook opens up?
And more....





Change?







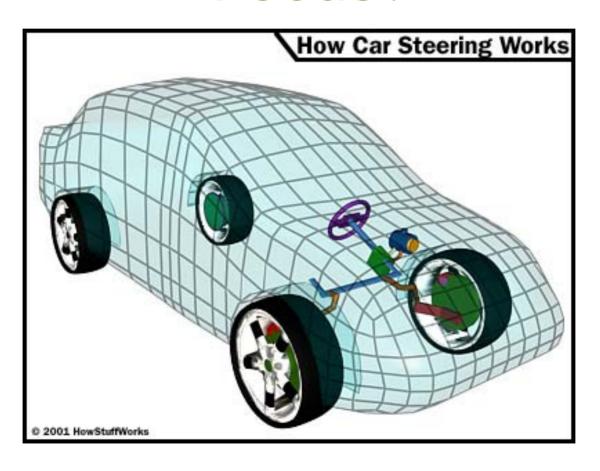
Focus?







Focus?







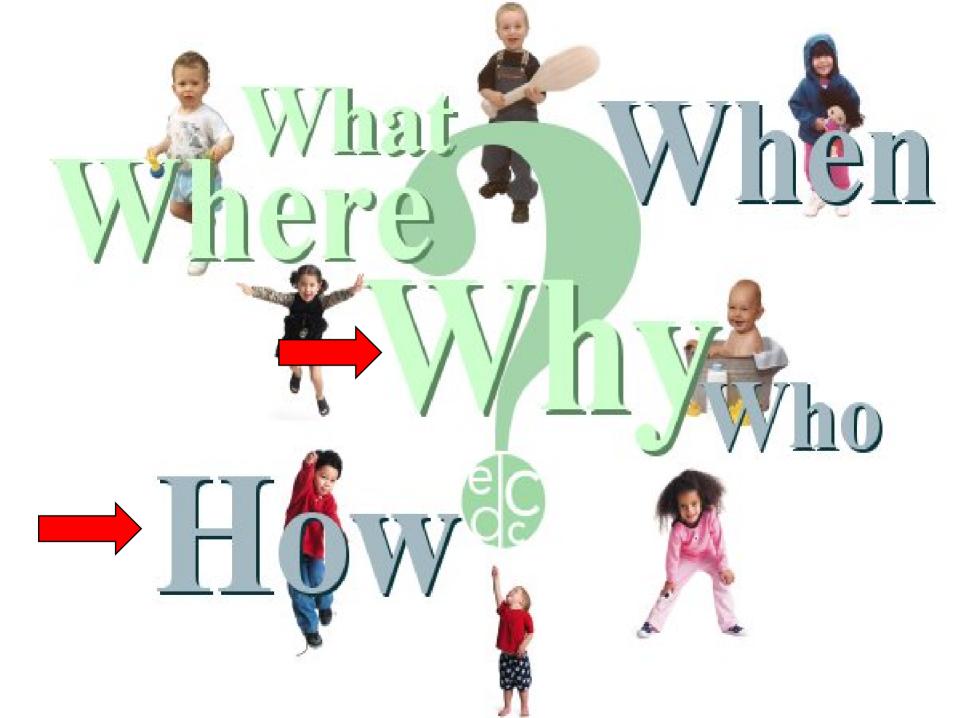




Meanwhile, Back at the Ranch

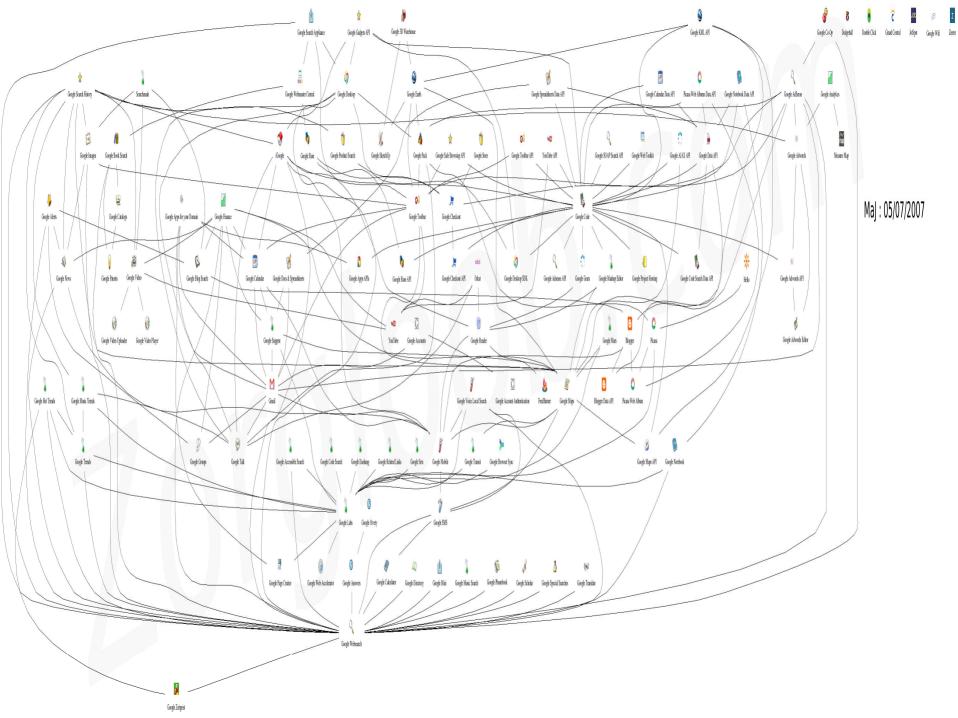


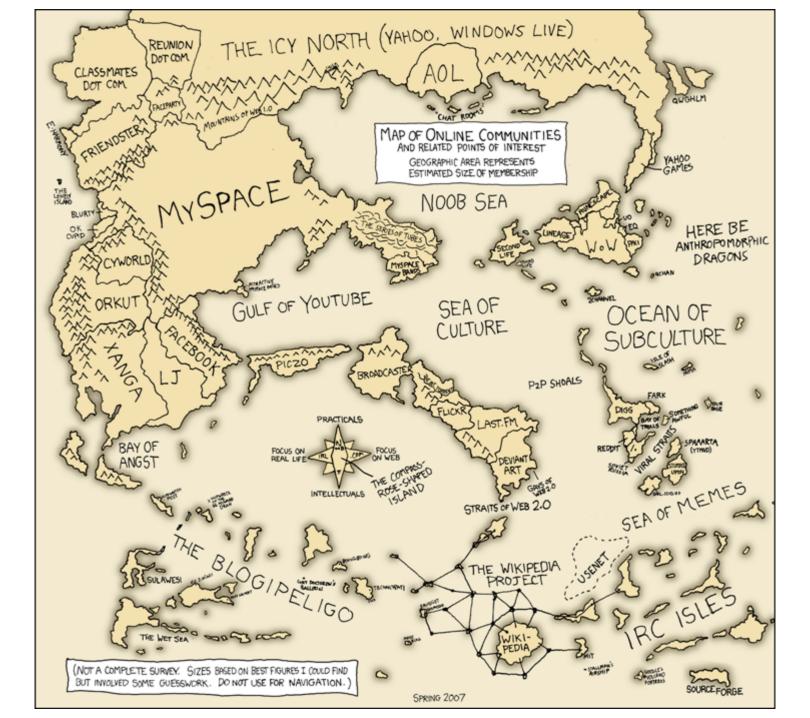


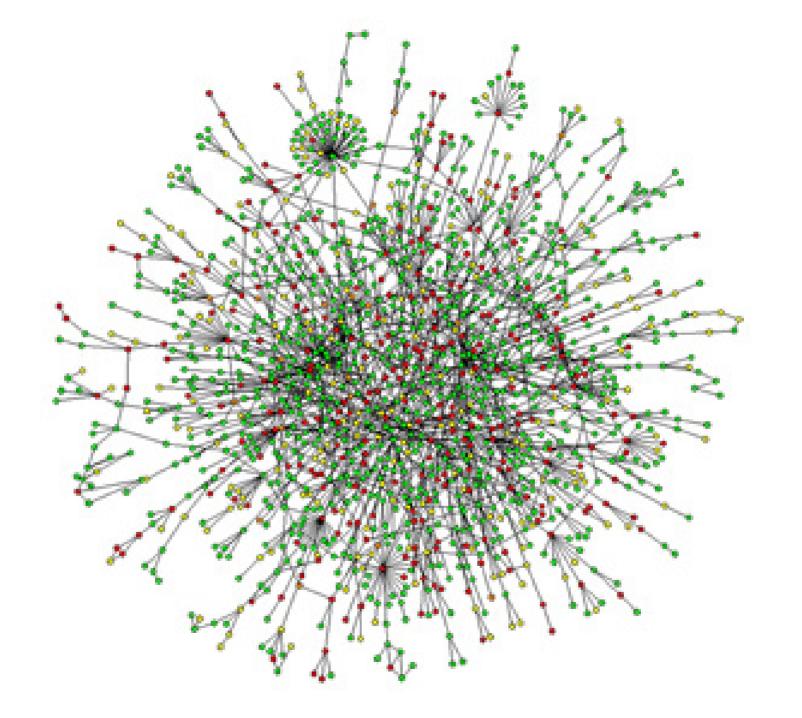








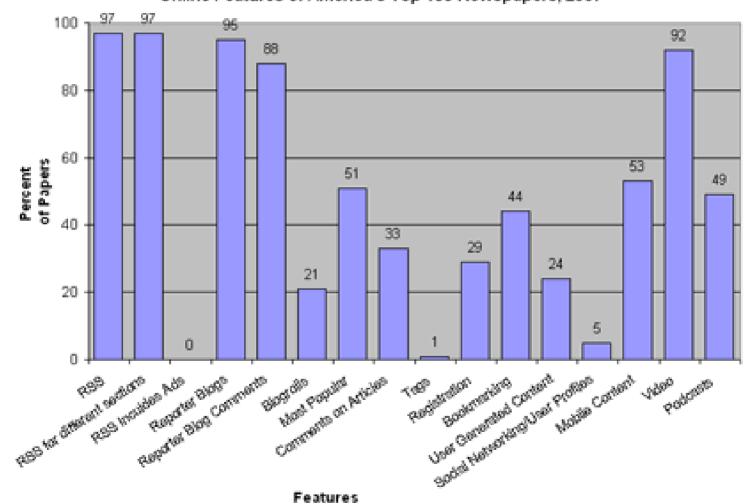






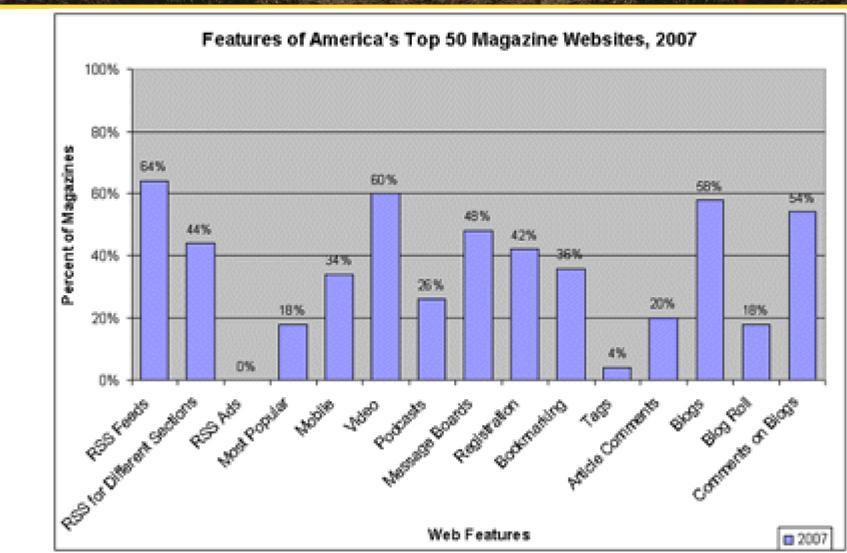


Online Features of America's Top 100 Newspapers, 2007

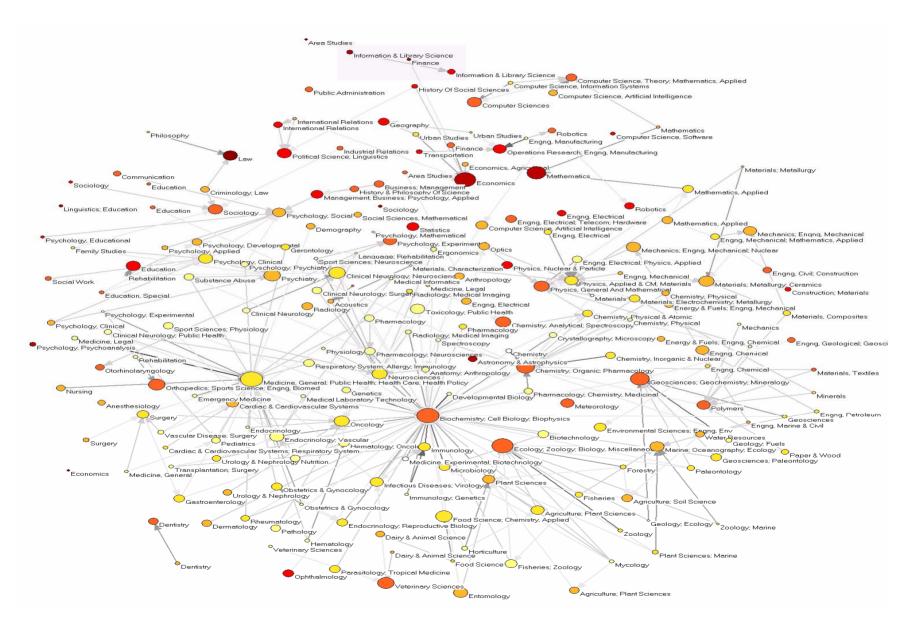






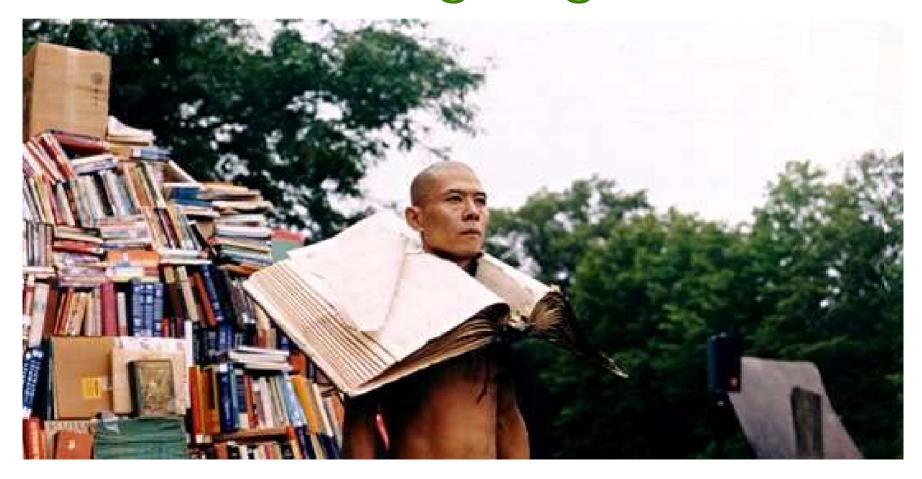


Scholars' Citations Go Social

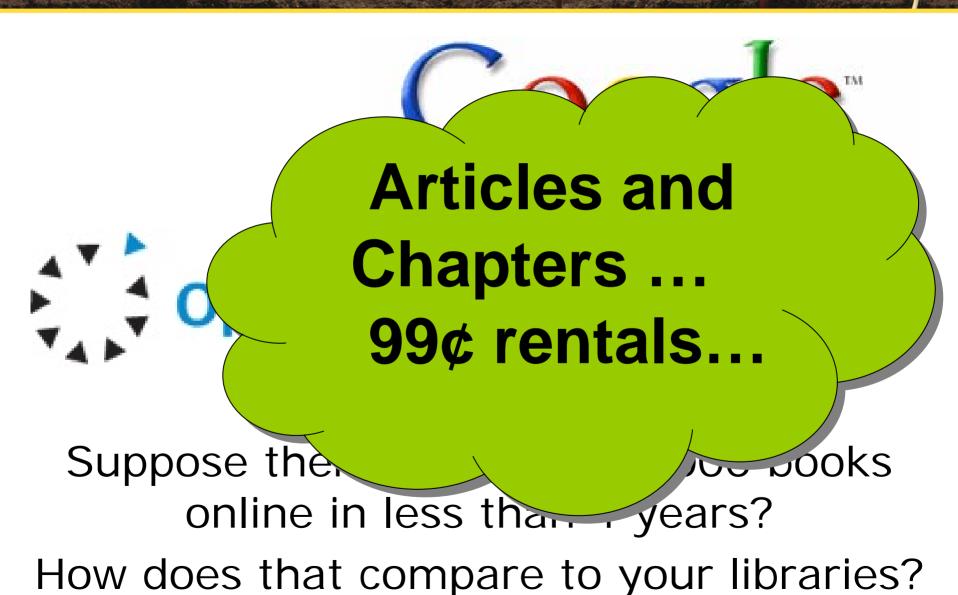




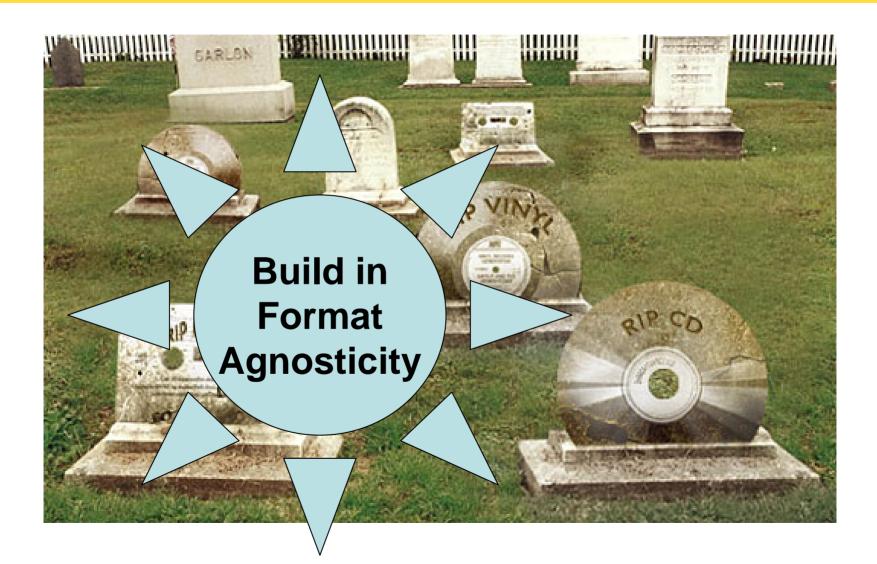
Books are going social.













All that matters is...

Commande The user
Learni is not broken
Intera Karen Schneider





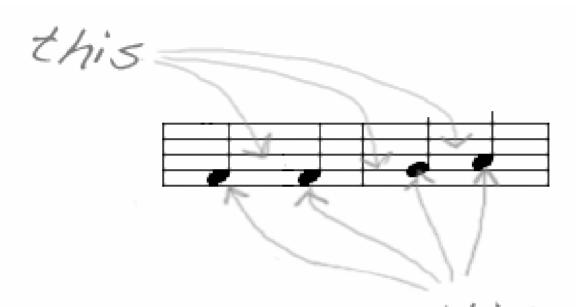
Libraries core skill is not delivering *information*

Libraries improve the quality of the question and the user experience

Libraries are about learning and building communities



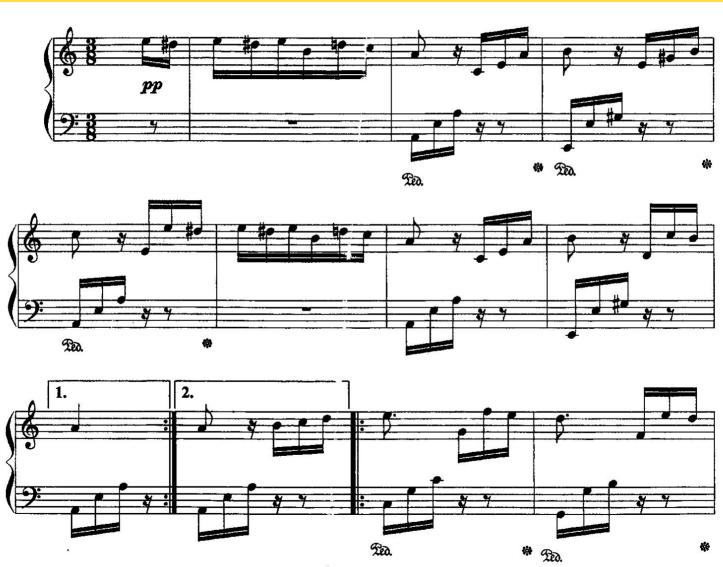




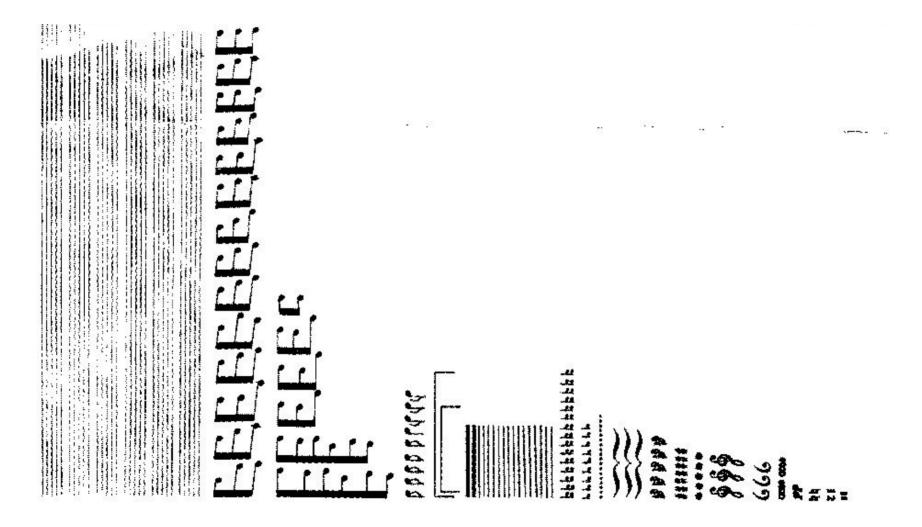
...is as important as this















Learning Styles

- Visual/Spatial (Picture Smart)
- Verbal/Linguistic (Word Smart)
- Musical/Rhythmic (Music Smart)
- Logical/Mathematical (Number Smart)
- Bodily/Kinesthetic (Body Smart)
- Interpersonal (People Smart)
- Intrapersonal (Self Smart)
 - Piaget, Bloom, Gardner, etc.





- "Five personality dimensions and their influence on information behaviour"
- Jannica Heinstrom, Abo Akademi University, Finland (Oct. 2003)
- http://informationr.net/ir/9-1/paper165.html
- Central Question: "How does personality influence searching behaviour?"

Personality and Searching

Dimension

Neuroticism

Extraversion

Openness

Agreeableness

Conscientiousnes

High Level

Sensitive,

Outgoing, energetic

Inventive, curious

Friendly, compassionate

Efficient, organized

Low Level

Secure, confident

Shy, withdrawn

Cautious,

conservative

Competitive, outspoken

Easy-going, careless





Sample Conclusions

 Extraversion was related to informal information retrieval as well as preference for thought provoking documents over documents which confirmed previous ideas.





Sample Conclusions

 Openness to experience was related to broad information seeking, incidental information acquisition, critical information judgement, preference of thought provoking documents instead of documents which confirmed previous results. Conservativeness was related to problems with relevance judgement and preference for confirming documents





Sample Conclusions

 Competitiveness was related to lack of time being a barrier to information retrieval, problems with relevance judgement and competence in critical analysis of information. Low levels of agreeableness forms a base for skeptical and critical thinking.

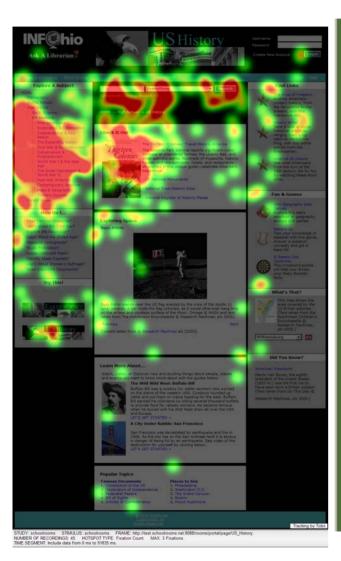


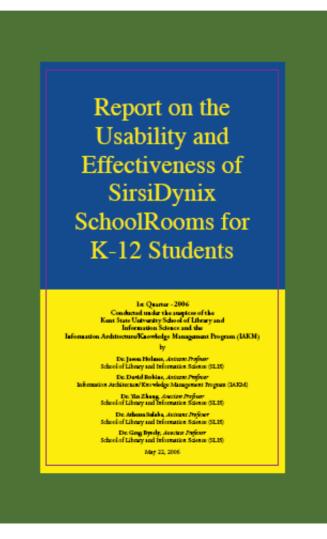
W Y

Sample Conclusions

 Conscientiousness was related to preference for thought provoking documents instead of documents that confirmed previous ideas and use of effort in information seeking. Carelessness, on the other hand was related to problems with relevance judgement, feeling that lack of time was a barrier to information retrieval and preference for documents that confirm previous ideas.











Context is King, not Content.

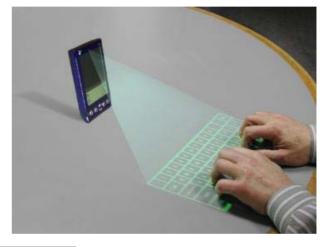


The Context of: Situations Individual Users Time and Place

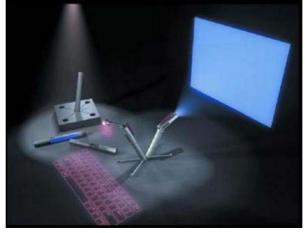


























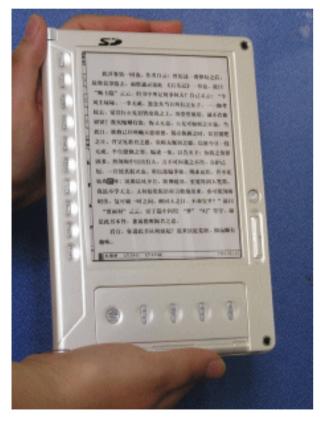
A projector the size of a sugar cube

















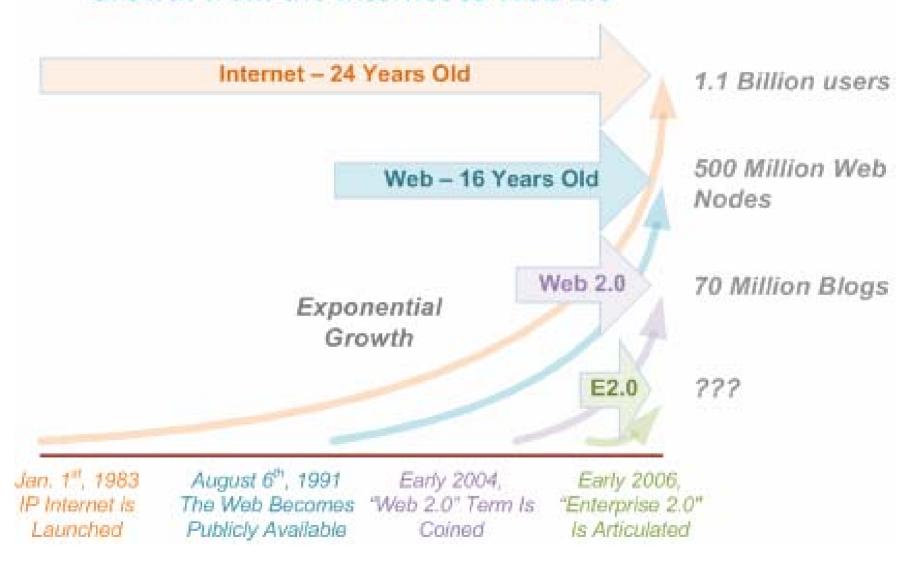




Everything's getting smaller



Sizing Up Our Global Social Networks: Growth from the Internet to Web 2.0







Unlimited local & long-distance throughout Canada & the U.S. VoIP 9-1-1 service has certain limitations versus traditional 9-1-1.

See vonage ca for details.

Home | Browse | Search | Invite | Rank | Mail | Blog | Favorites | Forum | Groups | Events | Games | Music | Classifieds

Premium Unlimited

Cool New People









Over

300,000 new users

A DAY!

Browse Chat Rooms

Blogs

Classifieds Filmmakers Forums

MySpace Music



Two Gallants Indie San Francisco, CA

Two Gallants bring us an infusion storytelling epics and tear-in-your surprisingly original sound out of their timeworn influences.

» Listen Now

ody-knuckted punk energy to er honky-tonk. They've crafted a

Member Login E-Mail: Password: Remember my E-mail

LOGIN

rgot your password?

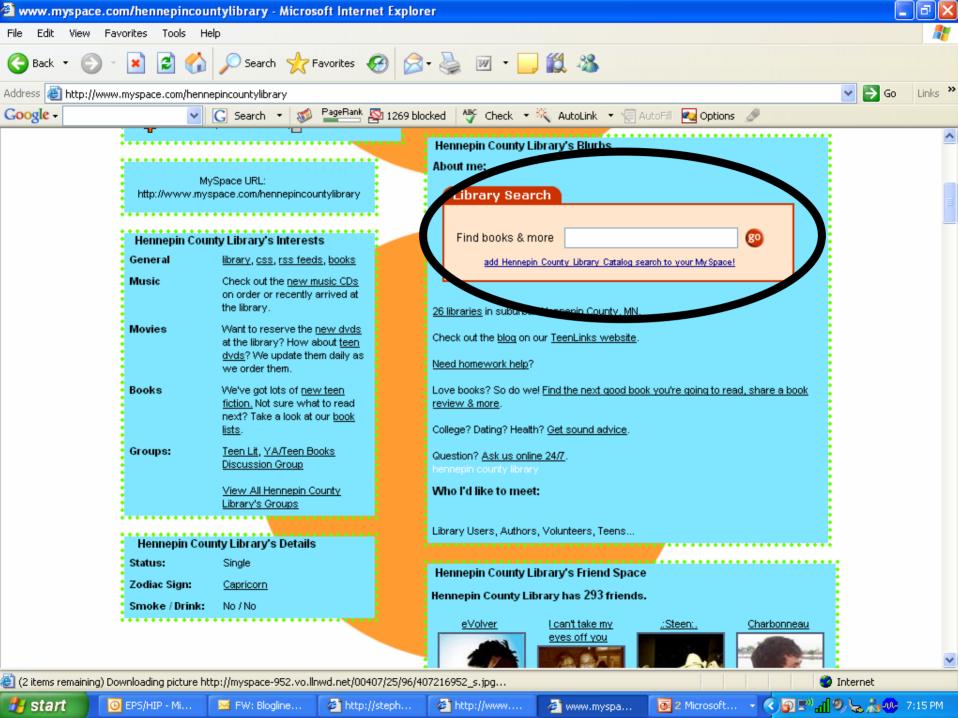
SIGN UP!

▼ advertisement



Open an ING DIRECT **Investment Savings** Account.

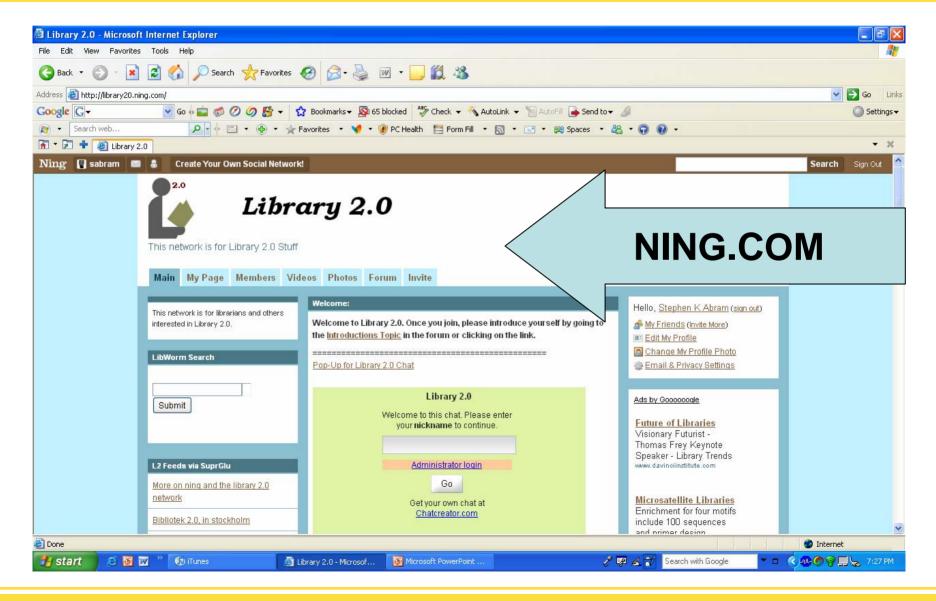
START SAVING

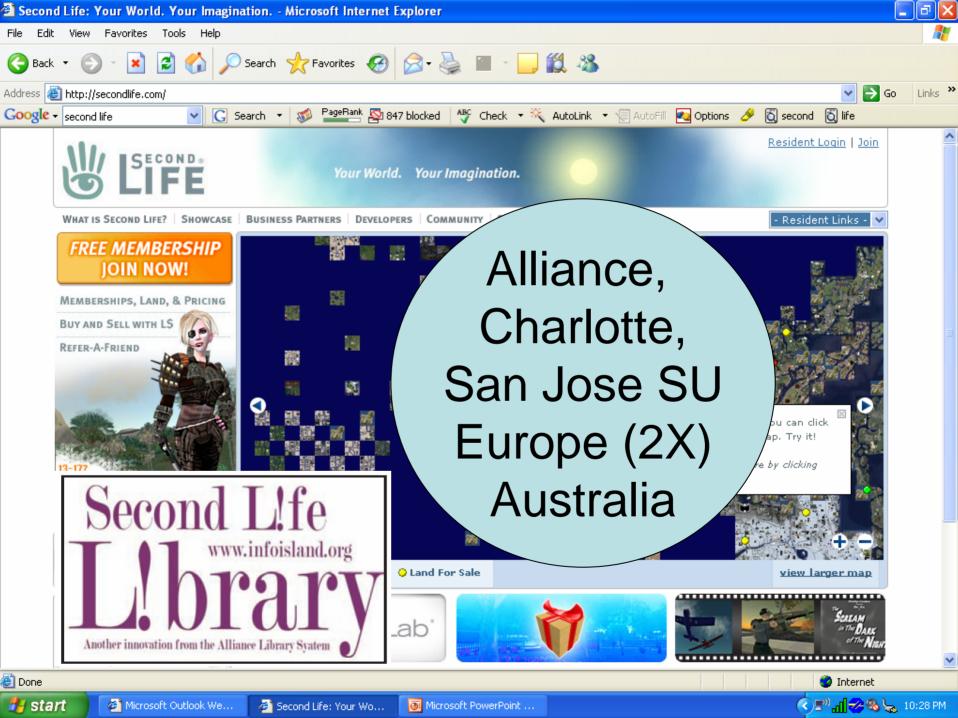




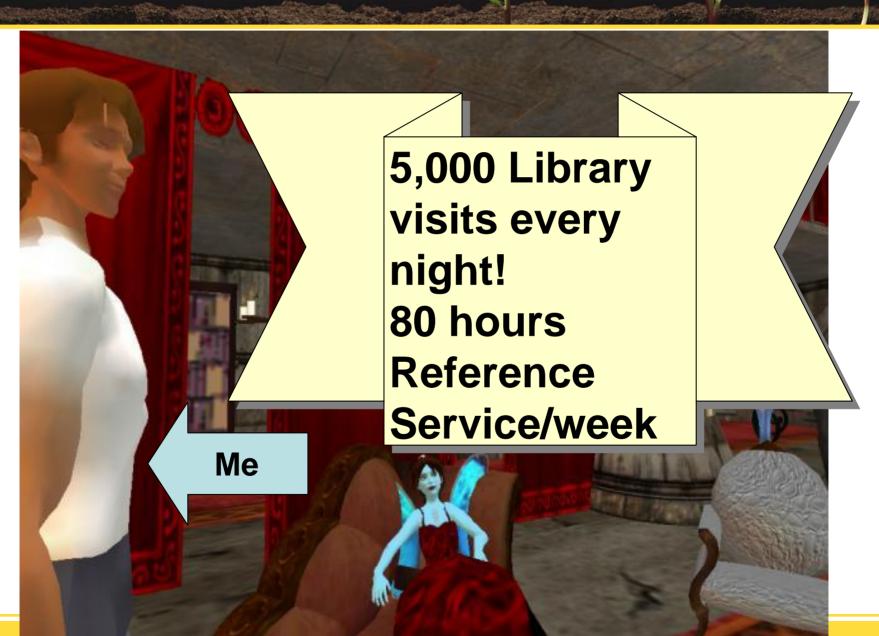














ZACK MORTAL HOSTED A class titled "Introduction to Library Research" yesterday at the new Second Life Library 2.0. The class covered the fundamentals of using real-life online library resources. Mortal covered how to use library catalogs, subject headings to improve searches; use research databases to locate articles and more. - COURTESY PHOTO.

Reading is virtually fundamental in SL

By KATT KONGO Staff writer

While most Second Life residents are aware of the variety of ways in which SL is used, from educational classrooms to treatment of mental illnesses, most would be surprised to learn that SL is now being used by an institution most think of as conventional — a library.

To be more exact, the Alliance Library System (ALS) is currently providing select services to the residents of SL. Initial services have, so far, consisted of book discussions and programs, such as one held Friday on the topic of "Getting Along with IT staff for Librarians and Educators."

ALS, which is based in East Peoria, Ill., will team up with Online Programming for All Libraries (OPAL) and utilize the programs, and libraries, within SL. The two entities eventually hope to offer a plethora of library services.

In a telephone interview, Kitty Pope, executive director for the ALS. said the goal of their programs within SL is to reach people who might not otherwise go to a library. In giving background information about People are volunteering and doing a the ALS, Pope said the organization

provides services to 286 libraries and is partially funded by the state of

She added that ALS is one of the most innovative organizations, technologically speaking, and their philosophy is to mine new technologies to spread the gospel of library usage. "Innovation equals risk, innovation equals growth," she stated.

Lori Bell, the ASL's director of innovation, read about SL in the blog of a librarian who was already a resident. She created an account, logged on with her avatar, Lorelei Junot, and saw a population of almost 200,000.

She found that SL had a few libraries, such as Wandering Yaffle's blacklibrary, but thought that library services could be expanded. "Since there is web programming through OPAL, why not offer that in SL?" she said

Librarians from all over the councurrently offered online to librarians try are gathering in SL to assist in setting up the virtual library. In fact, Pope expected criticism from many library blogs, but instead has found those in the field to be immensely excited about the possibilities afforded by SL.

Bell concurred, saving, "The response has been enthusiastic.

See BOOK, Page 20



Attachments

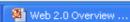
Comments

Pages























1 of 21

Active Worlds - VBI ...





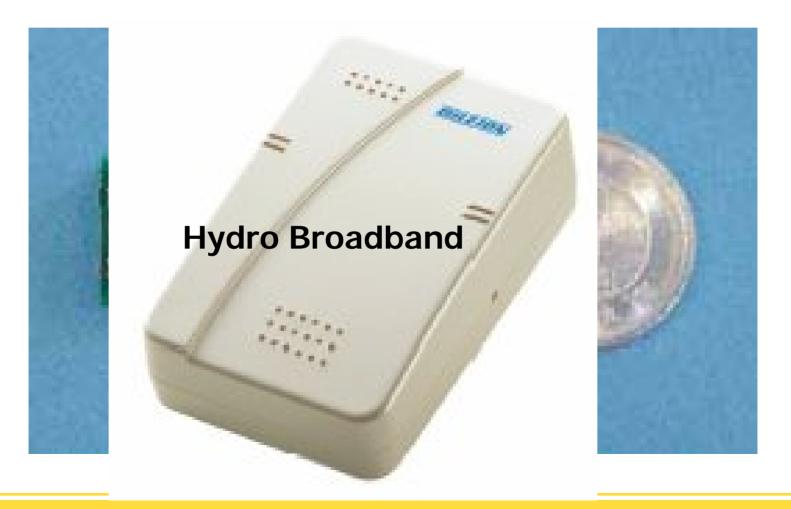


Google invests in wired ...





Bidirectional wireless module







































ELF - keeping tabs on your library material













Web 2.0 – Library 2.0

- RSS really simple syndication
- Wikis
- New Programming Tools: AJAX, API, J2EE,
- Blogs and blogging
- Recommender Functionality
- Personalized Alerts
- Web Services
- Folksonomies, Tagging and Tag Clouds
- Social Networking
- Open access, Open Source, Open Content
- Screencasting

- Commentary and comments
- Personalization and My Profiles
- Podcasting and MP3 files
- Streaming Media audio and video
- Visualization
- User-driven Reviews
- Rankings & User-driven Ratings
- Instant Messaging and Virtual Reference
- Photos (e.g. Flickr, Picasa)
- Socially Driven Content
- Social Bookmarking



Top 13 2.0 Apps for Librarians

- 1. Google Suite
- 2. Meebo/Chatango
- 3. Wikipedia
- 4. Worldcat.org
- 5. Amazon.com
- 6. Del.icio.us
- 7. Bloglines

- 8. Zotero
- 9. Facebook
- 10. Wordpress
- 11. MediaWiki
- 12. Ning
- 13. Twitter

LIBRARY 2.0 MATRIX

Resource Environment Library 2.0 user

Library catalogue - MARC compliant Web 2.0 platform 24/7

adaptable user interface

Information services

- Online, Virtual Learning spaces

Blended digital Web Collections

Blended digital repository

Digital access for personal organisation

- E-reserve
- Borrower loan access

Digital access for licensed collections

- e-books, videos & multimedia, images, learning objects, etc.
- specialist online databases

Federated searching

- Z39.50

Taxonomy - supported by global metadata standards

Web 2.0 as Platform Library 2.0 user

E-learning 2.0 environment

- LMS, ELGG, LAMS etc.

Social Networks

- MySpace/Facebook
- Blogs & Wikis
- Read/Write web functionality
- Social Bookmarking
- Images & multimedia sharing
- Podcasting & vodcasting

Folksonomy

Tagging for personalisation

Searching

- Browser and desktop API
- Blogs & social networks
- Visual & metasearch engines

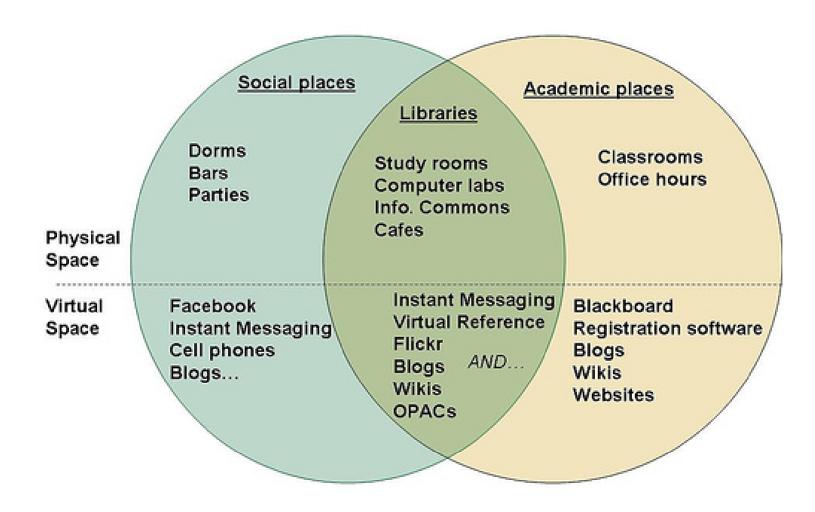
Mobile computing

RSS feeds and Mashups

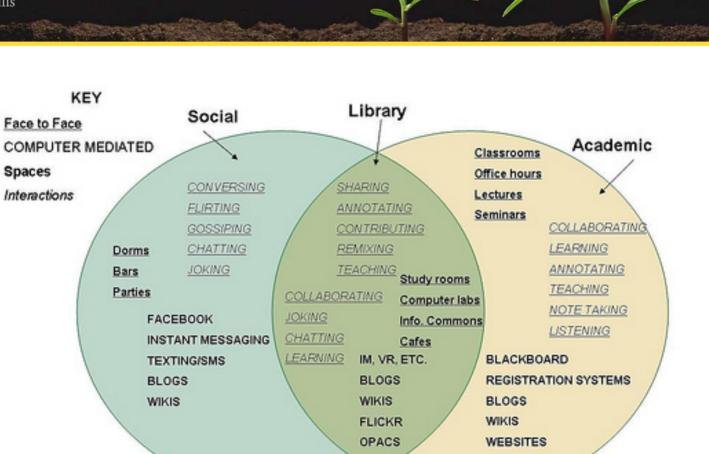
http://heyjude.wordpress.com/2006/09/01/music-inspires-library-20-matrix/











Informal
Fun
Intimate
Loose power structures
Peer communications

FLICKR
OPACS
WEBSITES
LISTSERVS
Formal
Serious
Hierarchical power
structures
Scholarly
communications











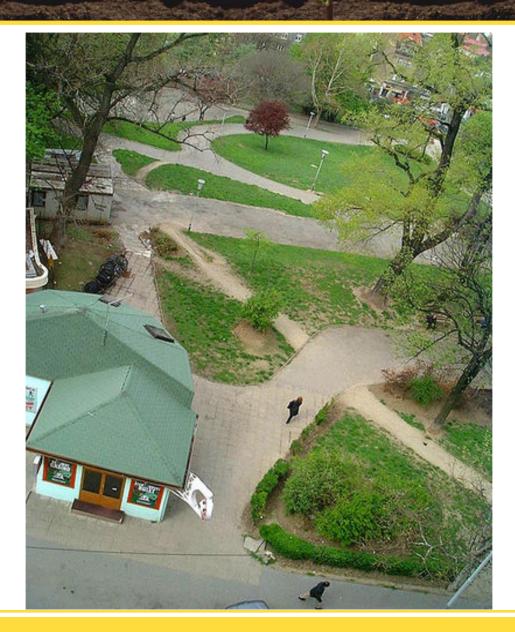


Intention Paths

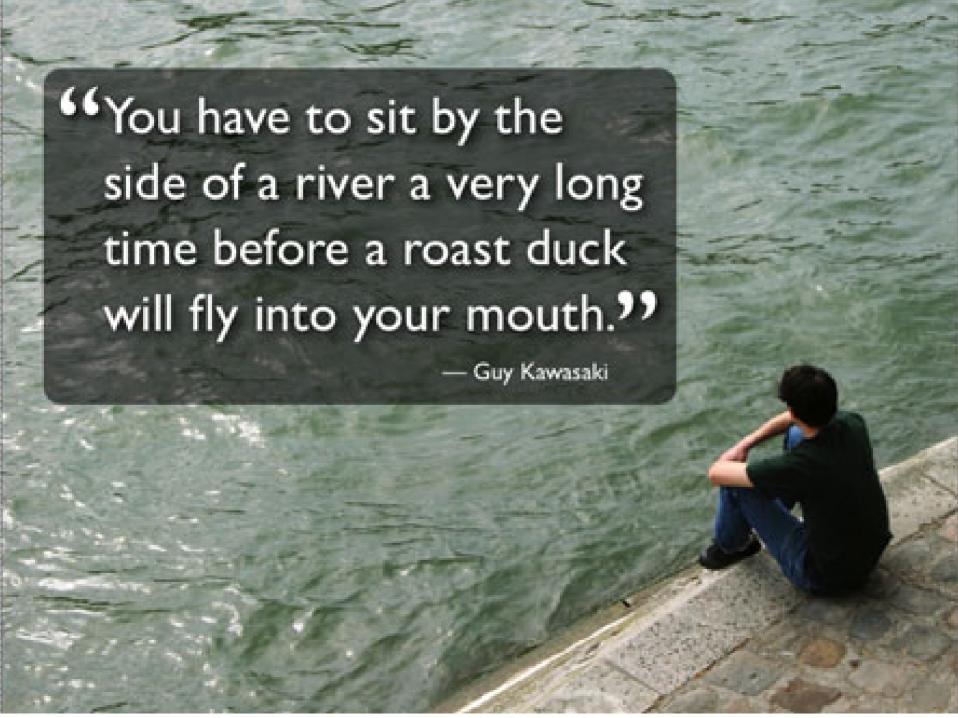


















Challenges

- Customer Experience
- Organization
- Technology
- Partnerships and Alliances
- Money and Communicating Value
- Capacity for Leadership and Change
- Tactical Events and Issues
- Change Leadership vs. Change Management
- Our Culture





The Value Hierarchy in Web 2.0 Software

- 1 Users attention interaction presence usage collaboration
 - Data secondary:

 microformatting
 ranking trackbacks
 tagging bookmarking

primary:
information
shared media attention data
feeds links

Function RIAs mashups

Sites hybrid apps Web services

Users are the center of the universe in Web 2.0 software, with data and functionality a close but distinct 2nd and 3^{rds}.

Source: http://web2.wsj2.com

highest value





Our Opportunities

- New Discovery Systems
 - Portals and Portlets (JSR168)
 - -OpenURL with Federated Search
 - Visualization and Display
- Advanced interoperable metadata embedded
- Personalization and Community
- eLearning
- Digital devices (phones, etc.)





- 1. YouTube
- 2. Second Life
- 3. MySpace
- 4. Facebook
- 5. Wikipedia
- 6. Ning
- 7. Twitter
- 8. Mozes
- 9. NowPublic
- 10.MyBlogLog

Top 10 Most Influential web tools for the 2008 US elections

How many are we already using?





2.0 is about play



PLCM(C

Two Key Interventions





Learning 2.0







23 Things Learning 2.0

- Week 1: Introduction
- Week 2: Blogging
- Week 3: Photos & Images
- Week 4: RSS & Newsreaders
- Week 5: Play Week
- Week 6: Tagging, Folksonomies & Technorati
- Week 7: Wikis
- Week 8: Online Applications & Tools
- Week 9: Podcasts, Video & Downloadable audio



Learning 2.1

- Helen Blowers latest PLCMC innovation
- Learning 2.1: Explore... Discover... Play! is the continuation of Learning 2.0
- Requested by staff very often. It is an ongoing list of 'things' with guest bloggers rotating and taking the helm each month as Learning Guides.
- There is a public <u>Learning 2.1 Ning network</u> as well as a Learning 2.1 Wiki.
- Check it out and feel free to join.

 explorediscoverplay.blogspot.com mashing up

 21st century skills with lifelong learning. :)





5 Weeks to a Social Library

 http://www.sociallibraries.com/ course/week1

 Credit: Amanda Etches-Johnson,
 Meredith Farkas, et al and the entire 5 weeks team.



100+ Things

- "If you are up for a challenge and would like to learn something NEW every day? Keep an eye on this fascinating Blog by a Reference Librarian located in Guam!
- Titled: <u>The Internet can change your life</u>: 'a series of daily assignments designed to teach the newbie all the wonderful things the Internet has to offer'
- It's not too late to catch up...
- http://rameyerguam.blogspot.com/





- Real devices: iPods, MP3 players, video, smart phones, texters, etc.
- Special PC's: disability compliance, streaming media, IM groups, VR (both kinds)
- Gaming stations
- Virtual worlds PC's







Two SDI Sessions

- Helene Blowers Technology Director, Public Library of Charlotte and Mecklenburg County
- Learning 2.0 : Make "play" your New Year's resolution
- Jan 09, 2007
- http://sirsidynixinstitute.com/seminar_pa ge.php?sid=74





Two SDI Sessions

- Christine Mackenzie Chief Executive Officer, Yarra Plenty Regional Library
- Hopping into Library 2.0 : Experiencing Lifelong Learning
- Feb 05, 2007
- http://sirsidynixinstitute.com/



Resources

- PLCMC Learning 2.0 Blog
- http://plcmcl2-about.blogspot.com/
- 43 Things I might want to do this year Information Outlook (Feb. 2006) by Stephen Abram
- http://www.findarticles.com/p/articles/mi_m0FW E/is_2_10/ai_n16133338
- Yarra Plenty Online Learning
- http://yarraplentyonlinelearning.blogspot.com/2006/09/learning-20-begins.html















Looking too close



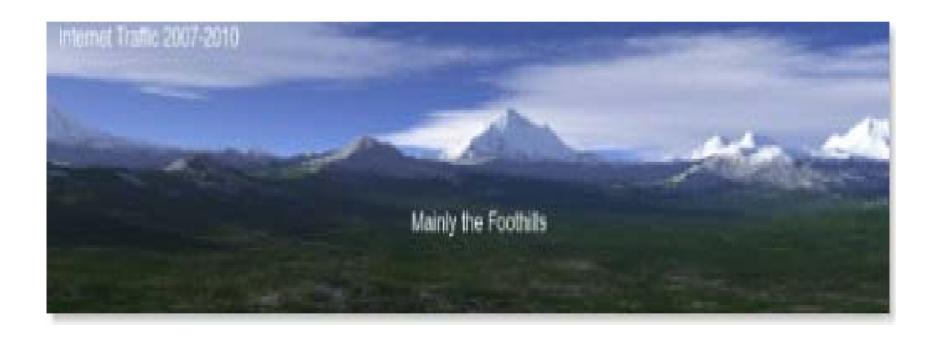


The Landscape Today





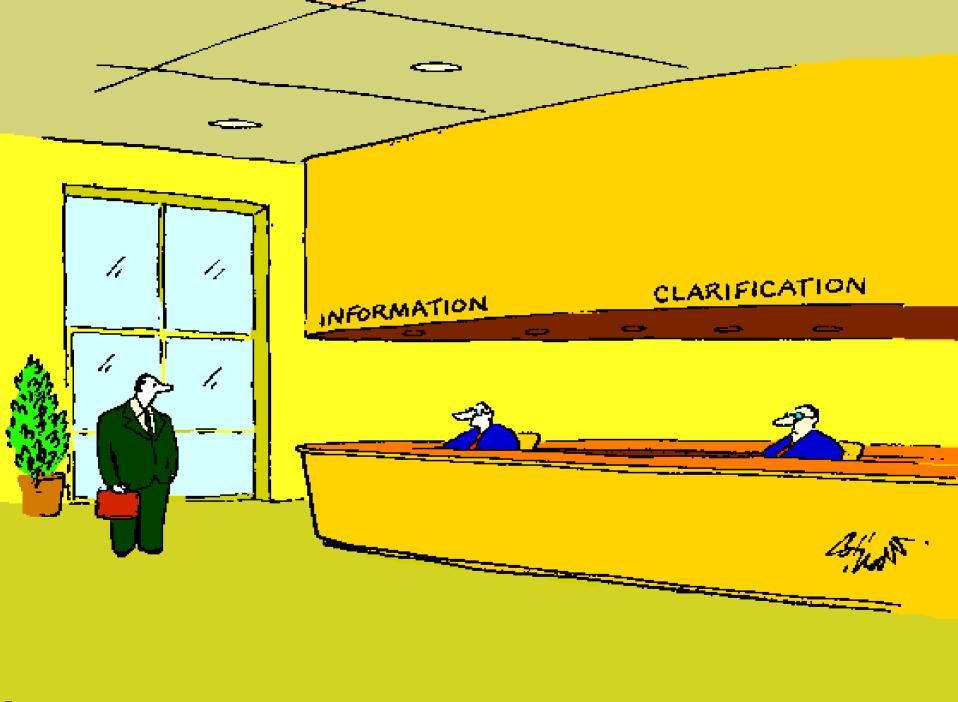
The Emerging Landscape

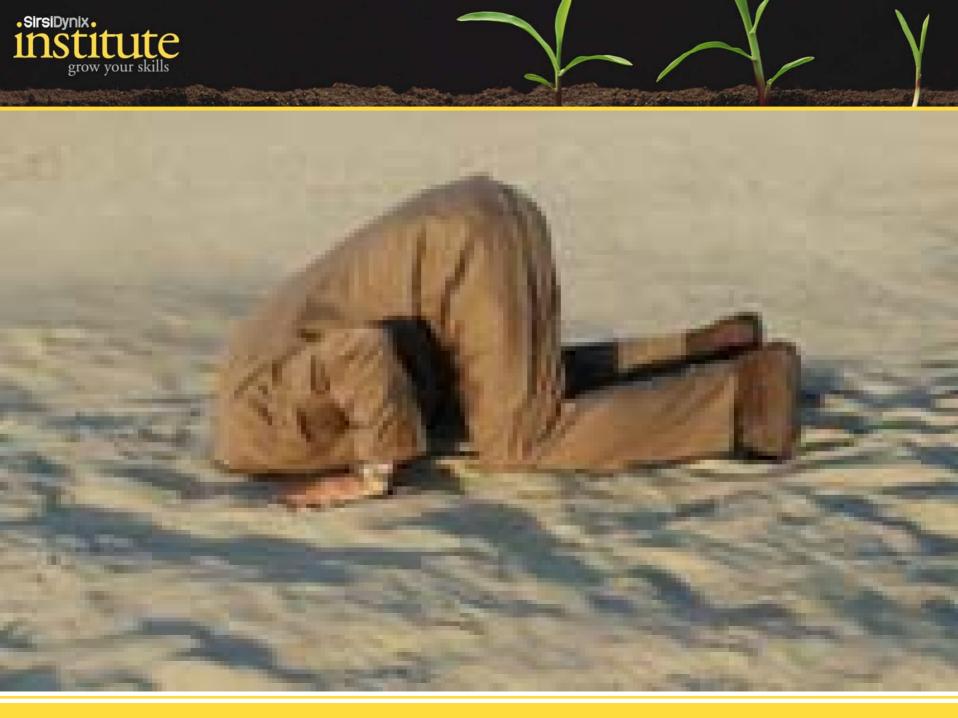




We librarians must learn that when we study something to death, *Death was not our original goal*.









Are You Ready? For Imagineering the Library?





In the battle of the river with the rock . . . The river wins.





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Chief Strategist, SirsiDynix Institute
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stephen.abram@sirsidynix.com
http://www.sirsidynix.com
Stephen's Lighthouse Blog
http://stephenslighthouse.sirsidynix.com