



21st Century Libraries Are Different

Nov. 29, 2006

Stephen Abram

Vice President, Innovation

**CHANGED
PRIORITIES
AHEAD**



RED ROUTE

**No stopping
at any time**

JAEGER





MY OPAC

SUCKS



All that matters is...

**The user
is not
broken**

ks

- **Con**
- **Learn**
- **Interaction**

Focus on the *User*



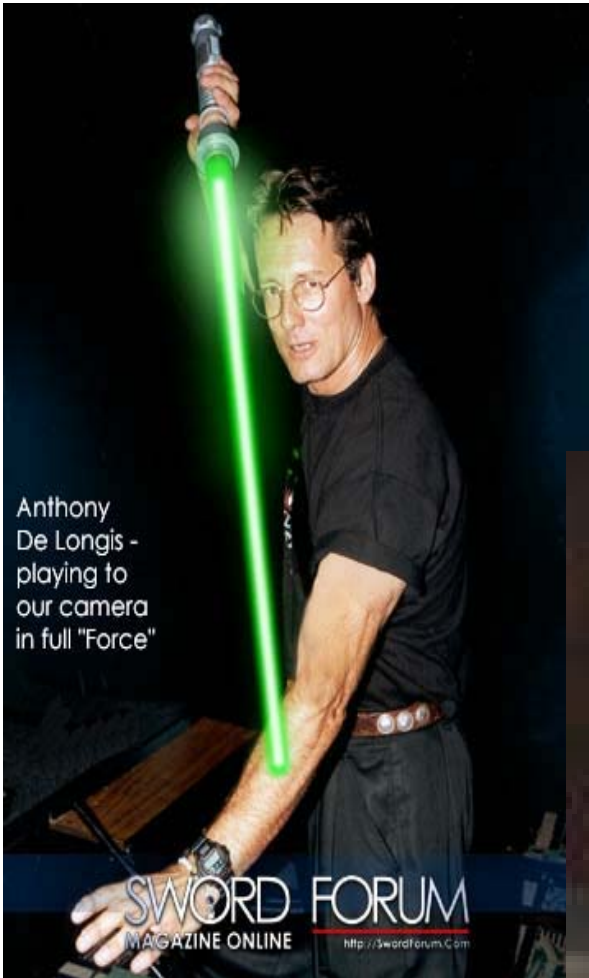


The Future Ain't What it Used
to Be!

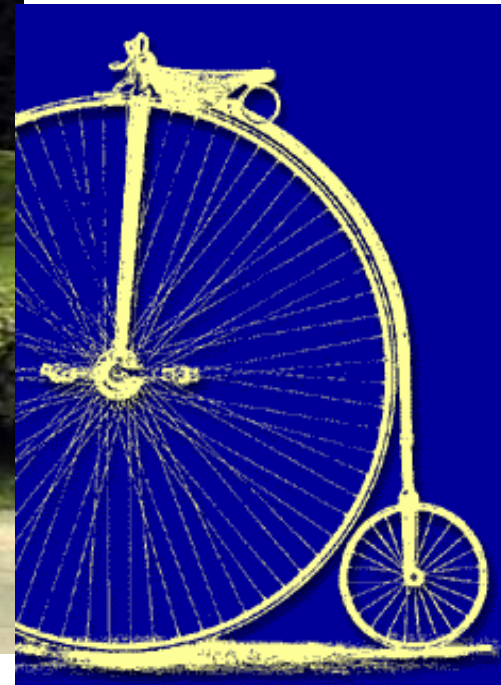


SHIFT HAPPENS

2000 Light Stopped

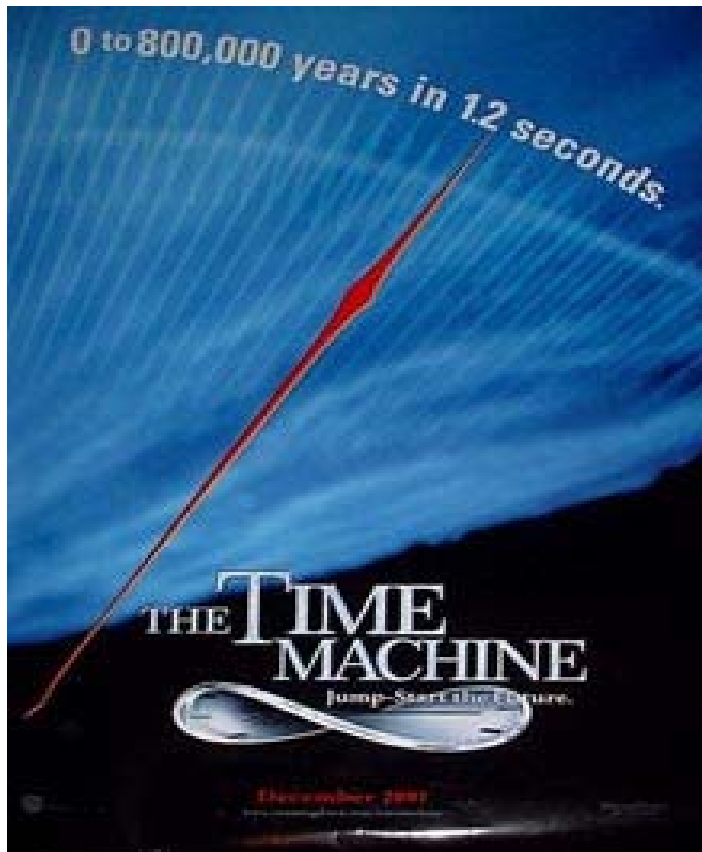


2001 Light Slowed to Bicycle Speed

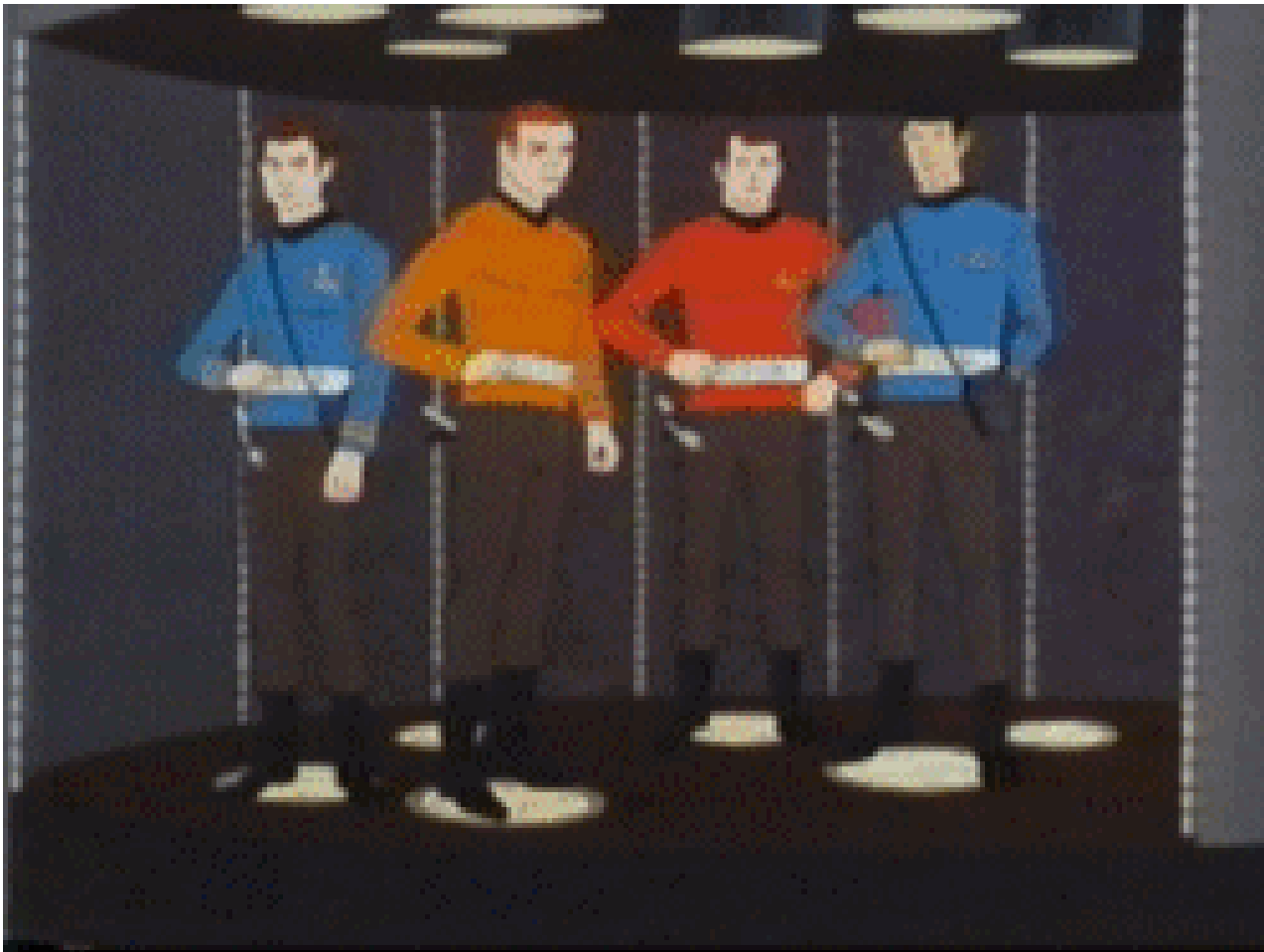




2002 Light Sent into Future



2003 Light Transported





2006 Light Goes Backwards



Boyd's team collected data showing light traveling 'backwards,' seemingly faster than light speed.

Image credit: Univ. of Rochester

Cloaks and Transporter



Pew 2020 Predictions

Think Back!

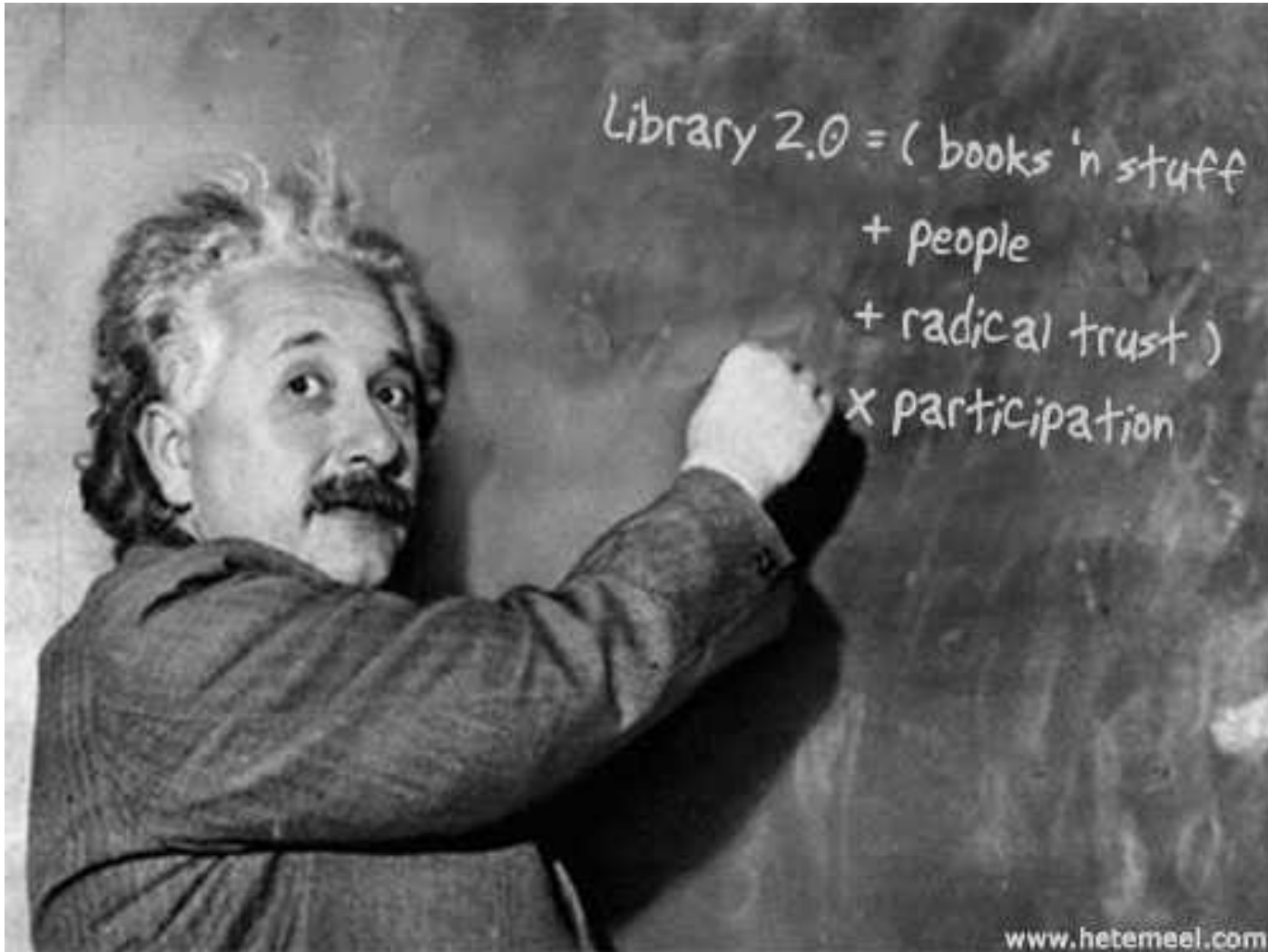
- A low-cost global network will be thriving and creating new opportunities. However, "agents" proliferate. However, humans' ability to control the dangers and dependencies is one of the major surprises.
- Virtual reality will be addictive and also spawn new addiction problems.
- Tech "refuseniks" will exist. Some will do the acts of violence and terror as a result of their choice to live off the network. Some will do the acts of violence and terror as a result of network overload, while others will commit acts of violence and terror as a result of network overload.
- People will wittingly and unwittingly disclose more about themselves, gaining some benefits in the process even as they lose some privacy.
- English will be a universal language of global communications, but other languages will not be displaced. Indeed, many felt other languages such as Mandarin, would grow in prominence.

2020

WEB 2.0



- RSS – really simple syndication
- Wikis
- New Programming Tools: AJAX, API
- 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
- User-driven Reviews
- Rankings & User-driven Ratings
- Instant Messaging and Virtual Reference
- Photos (e.g. Flickr, Picasa)
- Socially Driven Content
- Social Bookmarking



facebook

Pandora

LibraryThing BETA



amazon.com



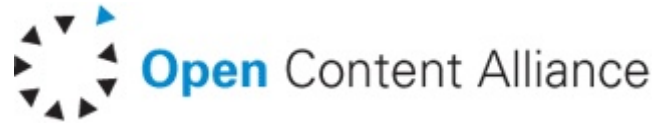
AJAX



OVERDRIVE



ELF - *keeping tabs on your library material*







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WEB 2.0



- RSS – really simple syndication
- Wikis
- **New Programming Tools: AJAX, API, Mashups, J2EE**
- Blogs and blogging
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WEB 2.0



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- **Federated Search, OpenURL**
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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

TRANS
WIKIS
WEB 2.0
RSS FEEDS
STREAMING MEDIA
GAMING
SOCIAL FOLKSONOMIES
JAVA AND MASHUPS
PODCASTS
UNIVERSITY GRAD DEPS





Librarian 2.0 *plays*






43 Things

What do you want to do with your life?

Discover what's important, make it happen, share your progress. Find your 43 things. [Learn more...](#)

215,920 people in 4,879 cities are doing 331,085 things including...

[learn to skateboard](#) [finish my masters degree](#) [download the new episode of 24](#) [go to Greece](#)  [smoothcharliebrown wants to attend a Soccer World Cup game](#) **learn french** [Drop a dress size \(or two!\)](#) [Clean my room and maintain it.](#) [dye my hair blonde](#) [find the meaning of life](#) [have my own garden](#) [be more creative](#) [google myself](#)  [yesterdayshigh wants to do something small to make everyday worthwhile](#) [Become more focused](#) [play Mario Brothers 3](#) [download msn plus](#) [make an ATC each day](#) [Have friends everywhere.](#) [learn to trust](#) [take dance lessons](#) [Organize and Systematize all of my digital data](#) [make people understand that declawing a cat is a painful unnecessary surgery and there are better ways to deal with cat's scratching](#) [talk to a stranger](#) [read The Lion The Witch and the Wardrobe](#) **stop biting my nails** [organize my life better](#) [practice on my bass more](#) [learn gaelic](#)  [tekeo wants to do better in ict and english](#) [find a new job](#) [think and grow rich](#) [Become a better public speaker](#) [Stop screwing around on the internet](#) [learn english](#) [lose 50 pounds](#) [GET MY GRAD SCHOOL APPLICATIONS TOGETHER!!!](#) [lose 20 pounds and keep it off](#) [meet johnny depp](#) [stop](#)

Top Cities

- [Seattle](#) 1090 people
- [New York City](#) 791 people
- [London](#) 779 people
- [Chicago](#) 737 people
- [San Francisco](#) 595 people
- [Los Angeles](#) 562 people
- [Toronto](#) 500 people
- [Boston](#) 406 people
- [Vancouver](#) 385 people
- [Austin](#) 366 people
- [Portland](#) 365 people
- [Atlanta](#) 361 people
- [Sydney](#) 320 people
- [Houston](#) 317 people
- [San Diego](#) 301 people

→ [See more](#)

Today's Tags

- [travel](#) 4299



Expanding Minds, Empowering Individuals, Enriching the Community

PLCMC



Learning 2.0





23 Learning 2.0 Things

- *Week 1: Introduction* (official start of week August 7th)
- *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*



G  g l e

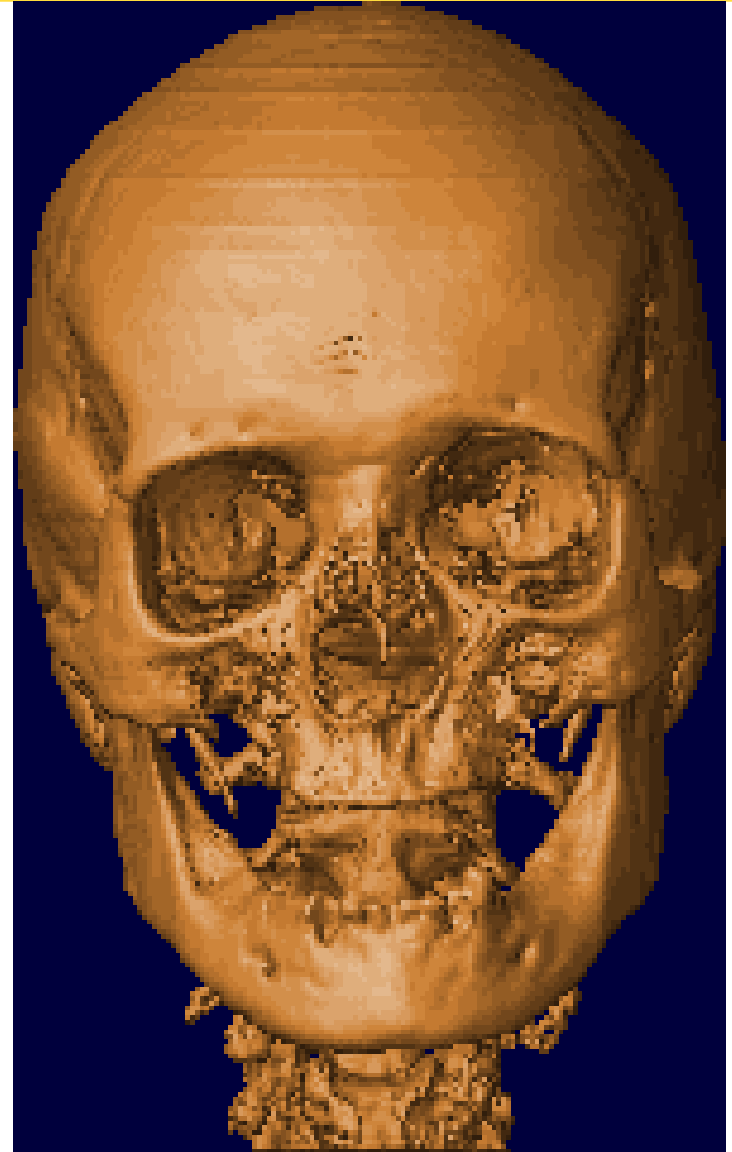


I ♥ my
customers



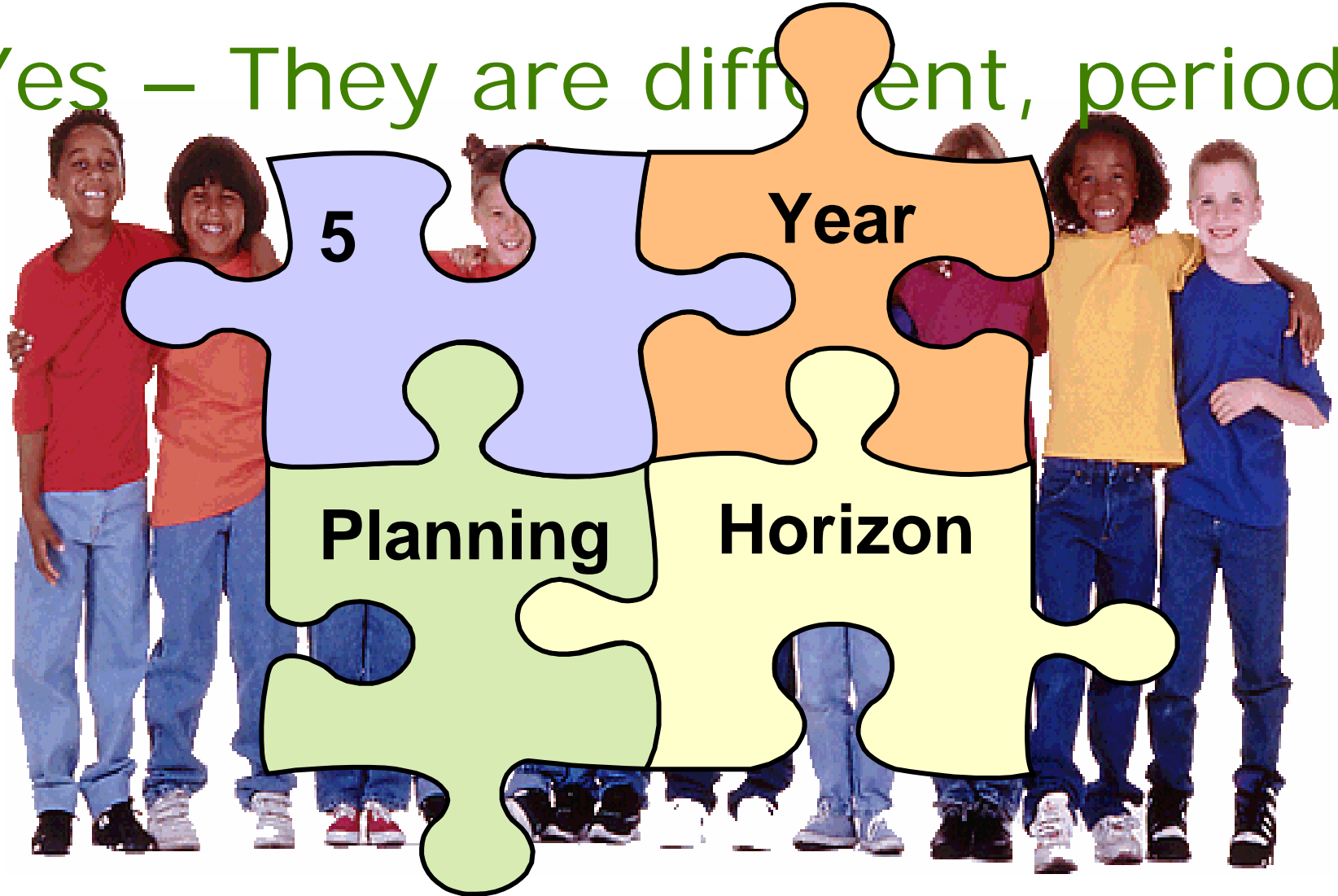
WARNING
Image contains
hidden message

Google Scholar...
Everything the modern
advertiser needs





Yes – They are different, period.

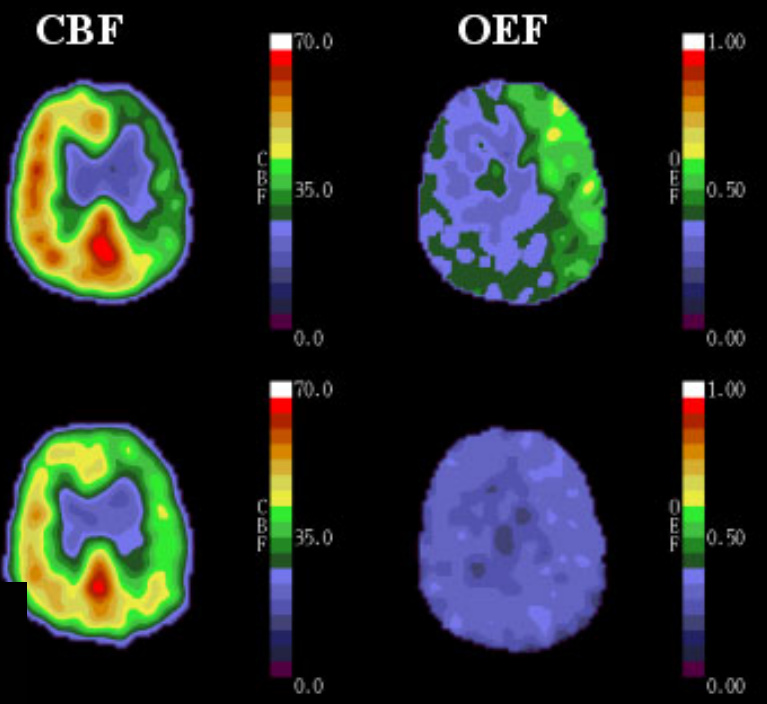
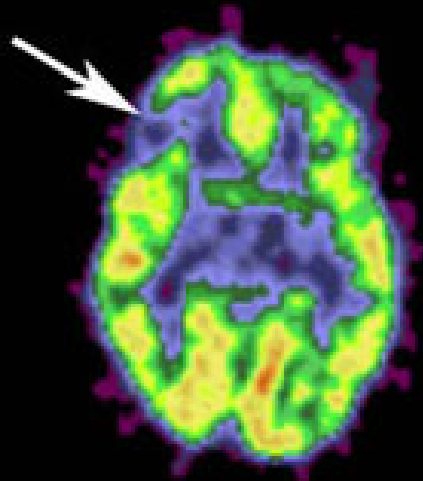




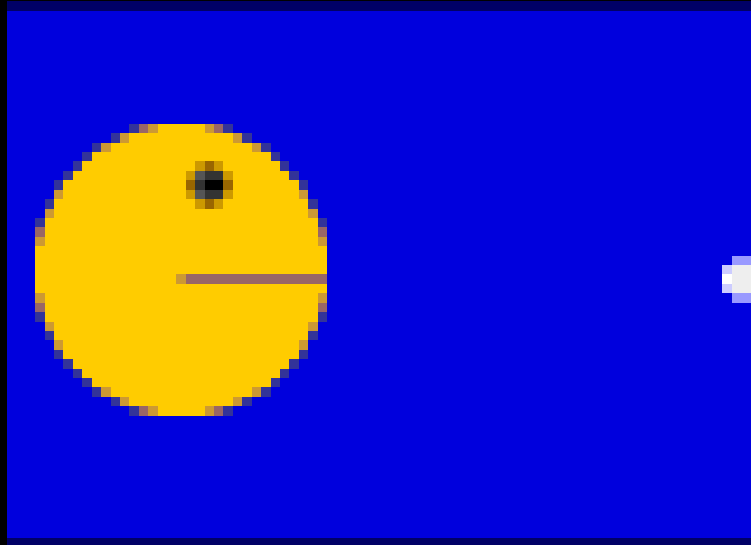
MILLENNIAL CHARACTERISTICS

Principled / Values	More Friends	More Diverse	Respect Intelligence
Optimistic / Positive	Internet Natives	More Choices	Format Agnostic
Balanced Lives	Adaptive / Flexible	Civic Minded	High Expectations
Collaborative	Nomadic	Gamers	Experiential
Independent	Confident	Direct	More Liberal
Multi-taskers	Inclusive	Patriotic	Entrepreneurial
Healthy Lifestyle	Family Oriented	Graphical	Achievement Oriented

Credit: Richard Sweeney, NJIT



Adapting to Technology



EverQuest

The screenshot shows the EverQuest III website on the station.com platform. At the top, there are navigation links for 'sign in / change user', 'join free', and 'why join?'. The main navigation bar includes 'Home', 'Media', 'The Game', 'Characters', 'FAQ', 'Beta', 'Partners', 'Forums', and 'News/Players'. A search bar for the Knowledge Base is also present. The central banner features a character in ornate armor holding a horse's head, with the text 'EVERQUEST III' prominently displayed. To the left, there is a 'Pre-Order Today!' button with a game box image. Below this is a 'TRAILER' section with a video player and 'play movie' and 'download' buttons. To the right, there are 'FEATURED NEWS' sections for 'TACTICS' and 'TRAITS'. At the bottom, there is a language selector for 'US ENGLISH'.





Premium Unlimited **\$39.99** /month

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.

▶ Save now

Cool New People

Virginia



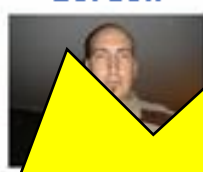
Katrina



Kendall



Gordon



Member Login

E-Mail:

Password:

Remember my E-mail

LOGIN

SIGN UP!

[Forgot your password?](#)

- Blogs
- Browse
- Chat Rooms

- Classifieds
- Filmmakers
- Forums

Groups

Reminder:
200,000-250,000
A DAY!

▼ advertisement



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

START SAVING

MySpace Music



Two Gallants

Indie
San Francisco, CA

Two Gallants bring us an infusion of body-knuckled punk energy to storytelling epics and tear-in-your-eyes honky-tonk. They've crafted a surprisingly original sound out of their timeworn influences.

» [Listen Now](#)

MySpace Specials

myspace[®] a place for friends

VONAGE
vonage.ca

Premium Unlimited
\$39

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.

Save now

Cool New People

Virginia

Katrina



**Reminder: 15 million daily users,
and 30 billion page
views a month**

Member Login

email:

password:

Remember my E-mail

LOGIN

SIGN UP!

Forgot your password?

Blogs

Browse

Chat Rooms

MySpace Music



Two Gallants fuse a fusion of heavy-knuckled punk energy to storytelling epics that are in-your-beer, onky-tonk. They've crafted a surprisingly original sound out of their timeworn influences.

» Listen Now

advertisement

ING DIRECT
save your money

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

START SAVING

MySpace Specials

mate1 *It's Free!* INTIMATE DATING

I am a: Seeking a:

For: Age: to

Zip/Postal:

[Home](#) | [Browse](#) | [Search](#) | [Invite](#) | [Film](#) | [Mail](#) | [Blog](#) | [Favorites](#) | [Forum](#) | [Groups](#) | [Events](#) | [Videos](#) | [Music](#) | [Comedy](#) | [Classifieds](#)

Hennepin County Library



Female
86 years old
HOPKINS, Minnesota
United States

Last Login: 7/18/2006

[View My: Pics | Videos](#)

Contacting Hennepin County Library

- [Send Message](#)
- [Forward to Friend](#)
- [Add to Friends](#)
- [Add to Favorites](#)
- [Instant Message](#)
- [Block User](#)
- [Add to Group](#)
- [Rank User](#)

MySpace URL:
<http://www.myspace.com/hennepincountylibrary>

Hennepin County Library is in your extended network

Hennepin County Library's Latest Blog Entry [\[Subscribe to this Blog\]](#)

Check out this event: DDR at the Library [\(view more\)](#)

Add the library catalog to your MySpace [\(view more\)](#)

What's Happening at the Library [\(view more\)](#)

Hennepin County Library does not in any way endorse the ads at the top of this page. [\(view more\)](#)

Summer Plans [\(view more\)](#)

[\[View All Blog Entries\]](#)

Hennepin County Library's Blurbs

About me:

[Library Search](#)

MySpace URL:
<http://www.myspace.com/hennepincountylibrary>

Hennepin County Library's Interests

General [library](#), [css](#), [rss feeds](#), [books](#)

Music Check out the [new music CDs](#) on order or recently arrived at the library.

Movies Want to reserve the [new dvds](#) at the library? How about [teen dvds](#)? We update them daily as we order them.

Books We've got lots of [new teen fiction](#). Not sure what to read next? Take a look at our [book lists](#).

Groups: [Teen Lit, YA/Teen Books Discussion Group](#)

[View All Hennepin County Library's Groups](#)

Hennepin County Library's Details

Status: Single

Zodiac Sign: [Capricorn](#)

Smoke / Drink: No / No

Hennepin County Library's Blurbs

About me:

Library Search

Find books & more **go**

[add Hennepin County Library Catalog search to your MySpace!](#)

[26 libraries](#) in suburbs of Hennepin County, MN.

Check out the [blog](#) on our [TeenLinks website](#).

[Need homework help?](#)

Love books? So do we! [Find the next good book you're going to read, share a book review & more.](#)

College? Dating? Health? [Get sound advice.](#)

Question? [Ask us online 24/7.](#)
hennepin county library


Who I'd like to meet:

[Library Users](#), [Authors](#), [Volunteers](#), [Teens...](#)

Hennepin County Library's Friend Space

Hennepin County Library has 293 friends.

[eVolver](#) [I can't take my eyes off you](#) [:Steen:](#) [Charbonneau](#)



Sign In

Home Bands TV Colleges Schools Register Help



Bands



[Director](#)
<Directorbebo>



[The Slumber Party Girls](#)
<slumberpartygirls>



[Razorlight](#)
<Razorlight>



[DEVASTATE](#)
<DEVASTATE06>



[BoxSet](#)
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[Kinky](#)
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Beboers



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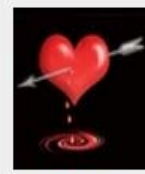
<tomntilly>



<chrischa
mbers3356>



<xx-cally-xx>



<KatyWri
ght1993>

Sign In

Username or Email Address

Password

Lost your [password?](#)

Punt, Pass and Play!

View high school football pics and videos. You can upload your own and leave comments!

[Check out fridaynightlights >](#)



<fridaynight
lights>



Library MySpace Sites

Hennepin County Library

<http://www.myspace.com/hennepincountylibrary>

Thomas Ford Memorial Library

<http://www.myspace.com/thomasford>

Public Library of Charlotte & Mecklenberg County

<http://www.myspace.com/libraryloft>

Brooklyn College Library

<http://www.myspace.com/brooklyncollegelibrary>

Lansing Public Library

<http://www.myspace.com/lansingpubliclibrary>

Morrisville College Libraries

<http://www.myspace.com/morrisvillecollegelibraries>

Westmount PL

<http://www.myspace.com/westmountlibrary>

Goshen PL

<http://www.myspace.com/goshenpubliclibrary>

University of Illinois Undergrad Library

<http://www.myspace.com/undergradlibrary>

Albany County PL

<http://www.myspace.com/acplwy>

UT Austin Library

<http://www.myspace.com/utlibraries>

Carnegie Library of Pittsburgh

<http://www.myspace.com/clpteens>



Cool New People

Virginia

Katrina



Member Login

email:

password:

Remember my E-mail

LOGIN

SIGN UP!

Forgot your password?

Blogs
Browse
Chat Rooms
Classifieds

My Smarter Space

MySpace Music



Two Gallants... fusion of... knuckled punk energy to storytelling ep... in-your-beer, onky-tonk. They've crafted a surprisingly ori... und out of their timeworn influences.
» Listen Now

advertisement



Open an ING DIRECT Investment Savings Account.

START SAVING

MySpace Specials



[Sign Up](#) | [My Account](#) | [Viewing History](#) | [Help](#) | [Log In](#)

Search for Search

[Home](#) [Videos](#) [Channels](#) [Groups](#) [Categories](#) [Upload](#)

[My Account](#) | [My Videos](#) | [My Favorites](#) | [My Friends](#) | [My Inbox](#) | [My Subscriptions](#) | [My Groups](#) | [My Channel](#)

Featured Videos

[See More Videos](#)



[Nouvelle Vague - Dance With Me](#)
03:52
From Bande A Part out now on Luaka BopV2
Tags: [French](#) [New Wave](#) [Sexy Music](#) [Lounge](#) [Girls](#) [Hot](#) [Nostalgic](#) [Dancing](#) [Cute](#) [V2](#) [Luaka Bop](#) [2K](#) [Indie](#) [Peace](#) [Frog](#) [Cool](#)
Added: 1 week ago in Category: [Music](#)
From: [V2RecordsNYC](#)
Views: 377
★★★★★
161 ratings



[Me and Jeff Goldblum](#)
01:08
Me and Jeff hanging out VIP style
Tags: [Goldblum](#) [Celebrity](#) [Mad Cow](#) [Funny](#) [Sex](#) [Sketch](#)
Added: 7 months ago in Category: [Entertainment](#)
From: [mbstokes](#)
Views: 82,143
★★★★☆
901 ratings



[Painter Sketch](#)
02:21
This animated sketch -- made with acrylic paint, a canvas, and a Super-8 camera propped up on a ladder -- was a preliminary test for a longer animated project that I never got around to. The footage is from 1992. The



[NBA 2K7 Who's Got Next?](#)
Login to rate video
From: [2KSports](#) ★★★★★
Comments: [79](#)
821 ratings

Member Login

User Name:
Password:

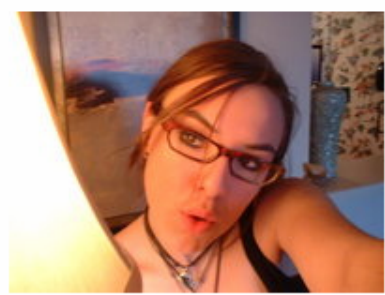


Search

- My Profile [edit](#)
- My Friends
- My Photos
- My Groups
- My Events
- My Messages
- My Account
- My Privacy

University of Phoenix

Study where you want.



- [View More Photos of Me \(22\)](#)
- [Edit My Profile](#)
- [Edit My Picture](#)
- [Edit My Privacy](#)

Humberside Collegiate Institute Friends

41 friends at Humberside Collegiate Institute. [See All](#)



Information [edit](#)

Account Info [\[edit \]](#)

Name: Sydney Abram
 Network: Humberside Collegiate Institute '06
 Last Update: May 13, 2006

Basic Info [\[edit \]](#)

Sex: Female
 Interested In: Men
 Birthday: [June 29, 1988](#)

Contact Info [\[edit \]](#)

Email: syd.abram@gmail.com

Personal Info [\[edit \]](#)

Political Views: Other
 Activities: U of T Gymnastics
 Interests: im interested in mostly glorious things..
 Favorite Music: the good kind
 Favorite TV Shows: the funny ones...freaks and geeks, the office, family guy, arrested development, scrubs.. etc
 Favorite Movies: June Bug..just to be different
 Favorite Books: ofcourse the embarrassing ones..The Alchemist, Of Mice and Men, GhostWorld, Sin City (any volume), Same Difference, Summer Blonde
 Favorite Quotes: "thats..my life story"
 About Me: (insert..bongo solo)

Photos [edit](#)

You have 5 albums. [See All](#)



TURN_AROUND WAVE JUMP SPIN JOY1 YES BLOW_KISS EGYPTIAN MACARENA KARATE KICK

URL: http://www.eastern.edu



EASTERN UNIVERSITY

ABOUT | ACADEMICS | ADM

Library :

- > [Library Catalogs](#)
- > [Books](#)
- > [Databases](#)
- > [Journals](#)
- > [Subject Guides](#)
- > [Interlibrary Loan](#)
- > [Services](#)
- > [Faculty Resources](#)
- > [Web Index](#)

> Eastern University Home Page

Tab Controls

Teleports VoiceChat Help

Worlds Contacts Telegrams

80 Worlds	1 User
VBI	1
!AWEDU!	0
^centre^	0

Immigration Officer: Welcome to the Activeworlds EDUverse. The EDUverse has upgraded with a VoIP module. Problems can be reported to support@activeworlds.com

Immigration Officer: Welcome to the AWEDUverse

Immigration Officer: Welcome to Eastern University!



Resident Login | Join

WHAT IS SECOND LIFE? | SHOWCASE | BUSINESS PARTNERS | DEVELOPERS | COMMUNITY | SUPPORT

- Resident Links -

FREE MEMBERSHIP JOIN NOW!

MEMBERSHIPS, LAND, & PRICING

BUY AND SELL WITH LS

REFER-A-FRIEND



Residents: 157,518
Online Now: 5,402
US\$ Spent Today: 187,907.00



Event Postcard Land For Sale view larger map

Headlines read more news...
Wired.com Making a Living in Secon...
The Escapist





Second L!fe
www.infoisland.org
L!brary
Another innovation from the Alliance Library System

Inside



Sim of the Week - Page 9

FYI

Linden Lab is temporarily postponing the release of 1.9.1. They will continue to release updated versions of 1.9.1 on the preview grid for testing. They will still be bringing the grid down for some hardware and server side code upgrades. These changes will occur between tomorrow from 6am to noon SLT.

Index

Perspectives Page 4
 The Line Page 5
 Comics Page 7
 Entertainment..... Page 7
 Photo Contest Page 8
 Fashion Pages 11-12
 Art Page 15
 Sports Page 16

Web Poll

Go to our website at www.metaversemessenger.com to participate in our online poll. This week's question: "Should Linden Lab sell Linden dollars?" Look for the results from last week's poll on Page 4.

About Us

Volume 1,
No.39
Second Life
*The Metaverse
Messenger*
Sido (169, 195)



happy mother's day The Metaverse Messenger

Tuesd

Infoland.org
Second Life Library 2.0

Blog About Archives

Info Island this week

0 Comments Published by Lorelei October 27th, 2006 in General



Thanks again to Talis for second prize in the Library Mashup competition! Several Second Lifers were on hand at the Internet Librarian conference this week in Monterey California to receive the award. Prize money was used to purchase several new buildings and furniture for them.

On Sunday, October 29 at 8 am sl there will be an Info Island orientation and tour for

About

Welcome to the Second Life Library 2.0 blog. We are a virtual library providing real services to Second Life residents.



Reading is virtually fundamental in SL

Second Life
www.infoisland.org
Library
Another innovation from the Alliance Library System

services to 286 libraries and lly funded by the state of

added that ALS is one of the ovative organizations, tech-ly speaking, and their phi-is to mine new technologies | the gospel of library usage. ion equals risk, innovation owth," she stated.

Bell, the ASL's director of n, read about SL in the blog rian who was already a re-e created an account, logged er avatar, Lorelei Junot, and ulation of almost 200,000.

found that SL had a few such as Wandering Yaffle's brary, but thought that

and Educators."

ALS, which is based in East Peoria, Ill., will team up with Online Programming for All Libraries (OPAL) and utilize the programs, currently offered online to librarians 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 with-in SL is to reach people who might not otherwise go to a library. In giving background information about the ALS, Pope said the organization

library services could be expanded. "Since there is web programming through OPAL, why not offer that in SL?" she said.

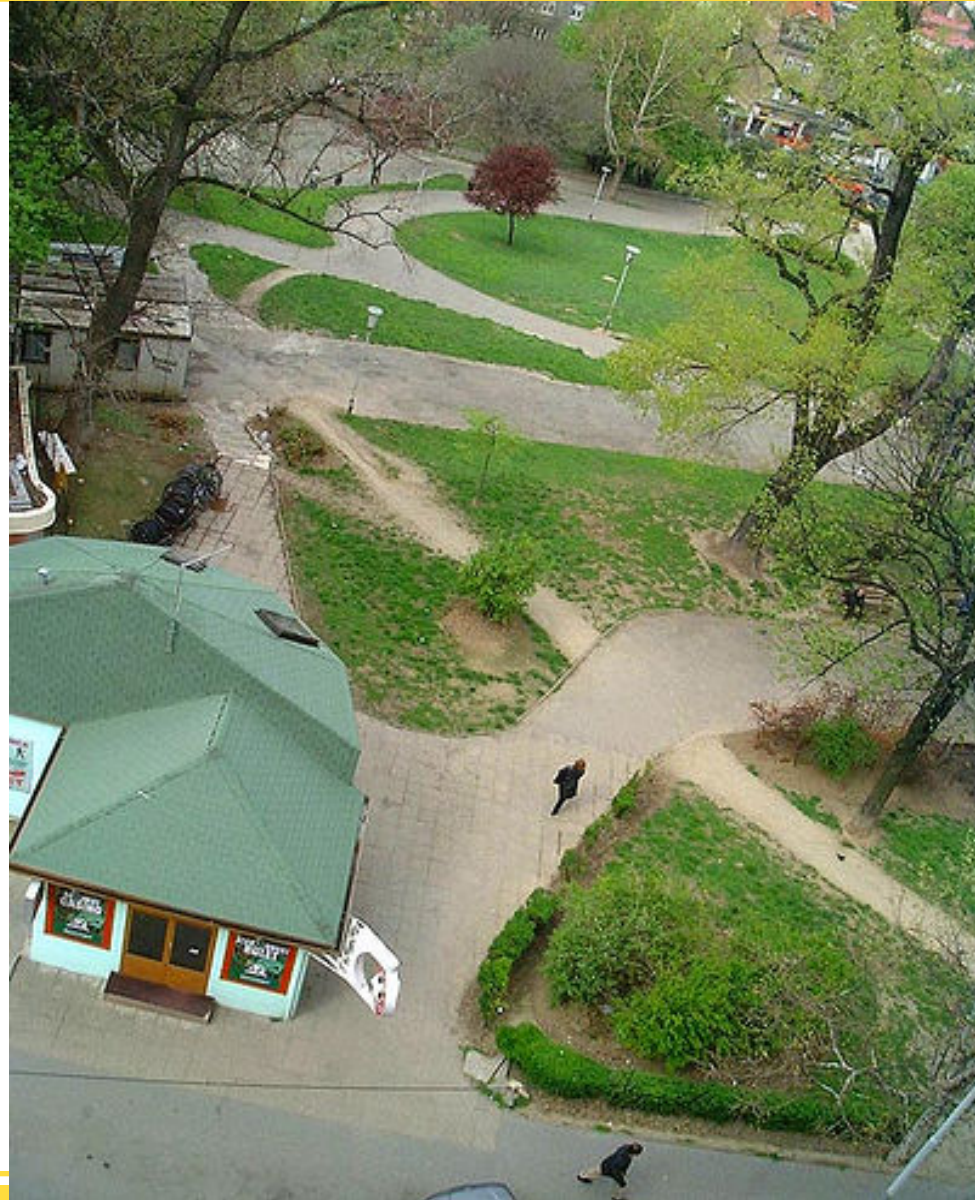
Librarians from all over the country are gathering in SL to assist in setting up the virtual library. In fact, Pope expected criticism from many library blogs, but instead has found those in the field to be immensely excited about the possibilities afforded by SL.

Bell concurred, saying, "The response has been enthusiastic. People are volunteering and doing a

See BOOK, Page 20

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.

Pages Attachments Comments





And it's not just the kids!

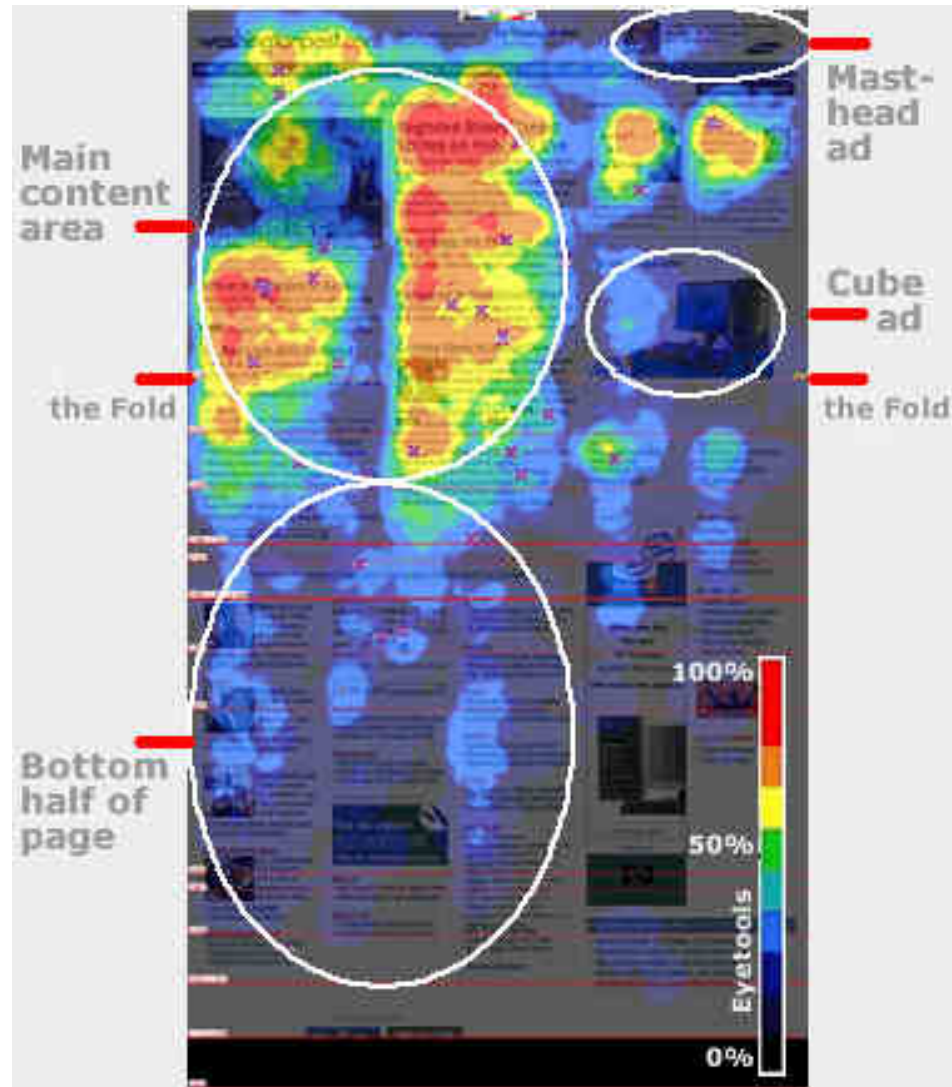
- Young adults
- Seniors
- The 'poor' and the working 'class'
- The digital divide
- Ethnicity
- The "*general public*" ain't so general anymore

– *Pew Internet and American Life Project*



Usability

The A frame
adopted from
newspaper layout
is not what works.





The screenshot shows the INFOhio website interface for Earth Science. At the top left is the INFOhio logo and a search bar. The main navigation menu includes 'Home', 'About Us', 'Contact Us', and 'Help'. The 'Explore A Subject' section is highlighted with a red heat map, showing high user engagement with the 'Earth Science' link. The 'Check It Out' section features a featured article titled 'Shaping the Earth' with a red heat map overlay. The 'Animals in Their Environment' section is also visible, featuring a photo of a lizard. The right sidebar contains 'Cool Links', 'Fun & Games', and 'What's That?' sections. A red heat map overlay is visible across the page, indicating user eye-tracking data. The most intense areas (red) are the top-left navigation menu, the central search box, and the main content area, particularly the 'Check It Out' section. Other areas with moderate heat (yellow/green) include the 'Animals in Their Environment' section and the 'Fun & Games' section.

Heat Maps are created by tracking user eye movements and summing the records for user groups. Here, the eye movements of elementary school students were tracked and recorded resulting in a *Heat Map* that clearly shows the students focus on the navigation options in the top left, the main feature panel in the center of the page, and the search box in the center top. This actual webpage can be seen by [clicking here](#).

Heat Maps help SirsiDynix understand how to layout pages



SCHOOLROOMS

EXPLORE
DISCOVER
LEARN

A NEW LEARNING PORTAL FOR THE K-12 COMMUNITY

Explore Learn

Discover More...

What is SchoolRooms

What's in SchoolRooms

Who Uses SchoolRooms

Why Students Like SchoolRooms

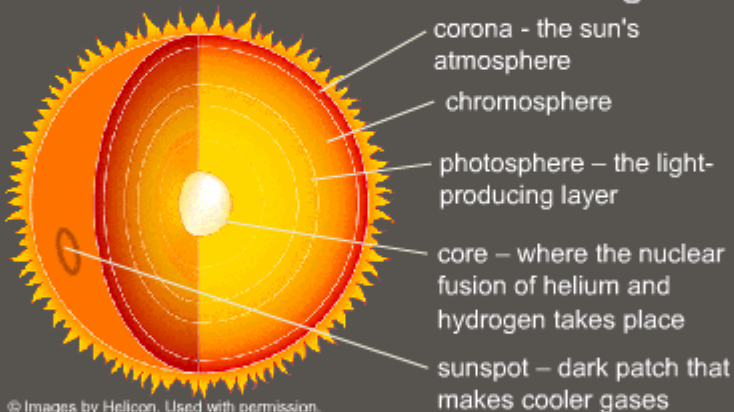
How Does SchoolRooms Work

Press & Events

Home



Earth Science Room: The Amazing Sun



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 high-quality, 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...

Boston
Public

Case Study:

Boston Public Library
Discover how **Boston**



Ask A Librarian?



ELEMENTARY

Username

Password

Create New Account

[Login](#)

[Room Contributors](#) [About Rooms](#)

[Home](#)

[Print](#) [Help](#)

Explore A Subject

HOME

- ▾ **Elementary**
 - [Earth Science](#)
 - [US History](#)
- [Middle School](#)
- [High School](#)
- [Parent Guide](#)

How Do I...

- [Learn About Dinosaurs?](#)
- [Use a Library?](#)
- [Learn About Earthquakes?](#)
- [Explore Space?](#)
- [Research Wars?](#)
- [Study the Presidents?](#)
- [Write a Report?](#)
- [Look at a Map?](#)

Advanced Catalog Search >>

HOME -> Elementary

[Browse History](#)

Cool Links



[Funology](#)

Check out the fun trivia, activities, crafts, jokes, and experiments at this site.



[Cool Science for Curious Kids](#)

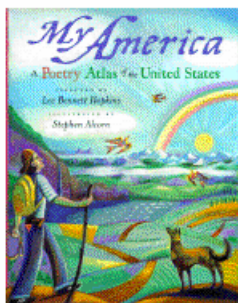
Explore science with the fun games on this site!



[Wayback Technology 1900](#)

See what kinds of technology people had in 1900!

Check It Out



My America

Poetry is fun and even better when you can learn more about the United States and its regions by reading the poetry in this book! Included are fun facts, colored maps and pictures while you travel through each state.

- [What's a Poem?](#)
- [Poetry Ideas!](#)
- [Giggle Poetry](#)

The US and its Neighbors



EARTH SCIENCE



Username

Password

[Create New Account](#)

[Login](#)

[Room Contributors](#) [About Rooms](#)

[Home](#)

[Print](#) [Help](#)

Explore A Subject

HOME

- ▶ Elementary
- ▶ Middle School
- ▼ High School
 - ▼ Earth Science
 - ▶ Geologic History & Time
 - ▶ Rocks & Minerals
 - ▶ Atmosphere & Weather
 - ▶ Earth's Changing Interior
 - ▶ Earth's Changing Exterior
 - ▶ Mapping
 - ▼ **Earth Science & Space**
 - ▶ Earth's Moon & Movement 
 - ▶ Seasons
 - ▶ Sun & Stars
 - ▶ Earth's Solar System
 - ▶ NASA & Space Exploration
 - ▶ US History
 - ▶ Parent Guide

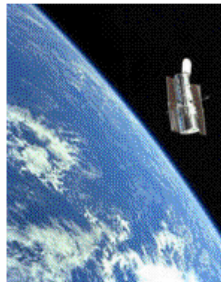
How Do I...

- ▶ Study Relative Dating?

[Advanced Catalog Search >>](#)

HOME -> High School -> Earth Science -> Earth Science & Space [Browse History](#)

Check It Out



Hubble Space Telescope

The Hubble Space telescope orbits (circles) the Earth at a height of about 600 kilometers (375 miles). Since it was launched in 1990, astronomers have used it to collect information that helps them work out the age of the universe and how fast it is expanding. (Text taken from the Hutchinson Children's Encyclopedia © Research Machines, plc 2005.)

- [Hubble Telescope](#)
- [Expanding Universe](#)
- [Edwin Hubble](#)

Cool Links



Radioactive Decay

Click on the buttons to see different types of decay in action.



Carbon 14 Calculator

Type in a year to calculate how much carbon 14 is left.



Radiocarbon Dating

Watch these short movies to learn more about carbon dating.

Fun & Games



Geology Rocks!

Take this quiz and test your geology knowledge.



Science Trivia

Click and see how much you know about geology, geography and hydrology!

[Space Trivia](#)

[The Amazing Sun - Our Star](#)



Ask A Librarian?



Username
Password
[Create New Account](#)

[Room Contributors](#) [About Rooms](#)

[Home](#)

[Print](#) [Help](#)

Explore A Subject

HOME

- ▷ Elementary
- ▷ Middle School
- ▷ High School
- ▷ **Parent Guide**
 - ▷ Elementary
 - ▷ Middle School
 - ▷ High School

How Do I...

- ▷ Deal with My Teen Dating?
- ▷ Know if My Child Has ADD?
- ▷ Help My Teen Stay Healthy?
- ▷ Help My Child with Anxiety?
- ▷ Learn about Extracurriculars?
- ▷ Talk to My Child's Teacher?
- ▷ Prepare My Teen for College?
- ▷ Learn Computer Skills?
- ▷ Find Science Fair Ideas?
- ▷ Teach Testing Strategies?

Try This!

Everything

Advanced Catalog Search >>

HOME -> Parent Guide

[Browse History](#)

Check It Out



Homework Helper

Visit this site for tips on helping your kids with homework while maintaining your sanity.

- [Math Help](#)
- [Science Help](#)
- [English Help](#)

Learn More About...

Watch, Listen, or Discover new and exciting things about people, places and events you want to know more about with the guides below!



Choosing A College

There is much to consider when trying to choose a college. How do you know which classes and tests your child should take or how much is it going to

Back to Basics



Elementary Math Terms

What is that symbol called? Find out here.



Middle School Terms

Visit this glossary of mathematical terms.



High School Terms

Learn about terms from Algebra I to Calculus



Related Topics

Related Topics

- [Public Schools](#)
- [Homeschooling](#)
- [Private Schools](#)
- [Parochial Schools](#)

Related Subjects

[Teacher Conferences](#)



Boston Public Library

SCHOOLROOMS

Explore. Discover. Learn

Username

Password

[About BPL](#) [Ask a Librarian](#) [Home](#) [Print](#) [Homework Help](#)

Explore a Room

Home

- Elementary
- Middle School
- High School
- Parent Guide

How Do I...

- Learn About the Solar System?
- Learn About Rocks?
- Study Geologic History?
- Help My Child With Homework?
- Learn About the Weather?
- Study the Earth's History?
- Learn About Special Needs?
- Use Topographic Maps?
- Teach My Child about Fitness?
- Help My Child with Research?

Try This...



Elementary

Home [Browse History](#)

Back to School? Discover SchoolRooms



It is that time again - BACK TO SCHOOL and that means back to homework, back to learning, and with the new SchoolRooms website BACK TO FUN! Learning about the moon, dinosaurs, Abraham Lincoln, or the Civil War? No problem - we've got you covered! Better yet - put in a search term and search books, magazine articles, websites and more with just one click!

- I am in Elementary
- I am in Middle School
- I am in High School

What Is...

Boston Public Library

Select a Location

Central Library

Phone: (617) 536-5400
Email: info@bpl.org

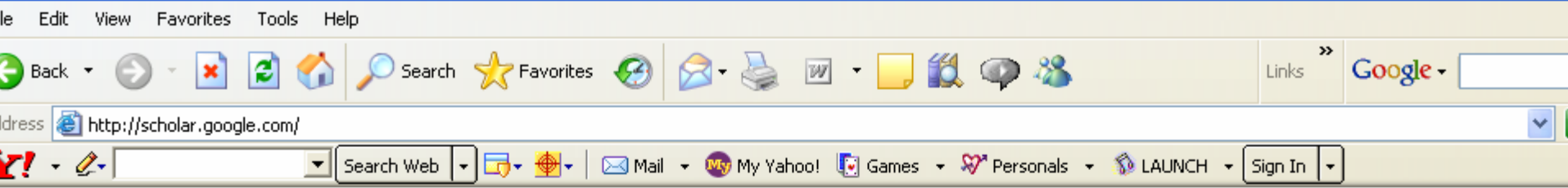
Monday-Thursday 9-9
Friday and Saturday 9-5
(closed Sundays during the summer)

Directions

700 Boylston Street, Copley Square, Boston, MA. The Central Library is on the corner of Exeter and Boylston Streets.
[Click Here for Directions.](#)

Library Information

Get a Library Card



Add tools – citation, RefWorks, ProCite, stat packages,

Add hundreds of database Suppliers (MS already has about 120.

Personalize it and track your needs and Add alerts ...

And then ally with Sun to build a new OS for wireless world...

Do OCLC stu

ussions, communities and Individual blogs through software

ur needs through mining all, surfing, and behaviours

Add virtual reference



Suppose there're 250,000 books . . . Or
15,000,000 in less than 5 years?

How does that compare to your branches?



Google invests in wired ...





Bidirectional wireless module



Google & Kansas City





Google™ Maps

What Where

e.g. coffee shops

e.g. Poughkeepsie NY

Yahoo! My Yahoo! Mail Search
YAHOO! LOCAL [Sign In](#) [New User? Sign Up](#)
[Local Home](#) - [Yellow Pages](#) - [Help](#)

Search for: Location: [Search Tips](#)
e.g. restaurants, dentists, museums *Address, City & State, or Zip*

msn. Search
Web News Images Desktop Encarta

+Search Builder Settings Help Español

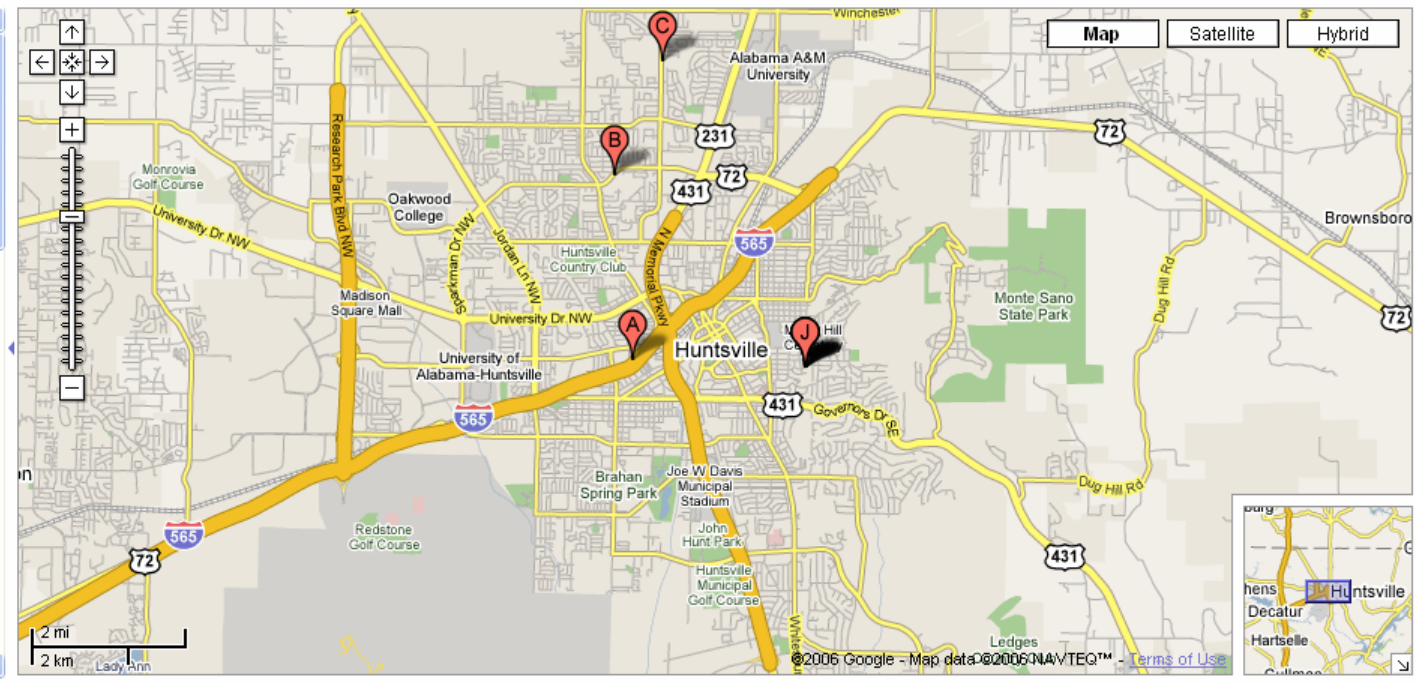
- How to get the most out of Yahoo! Local:**
- View all your results on one map... [learn more](#)
 - Refine and sort your results... [learn more](#)
 - Rate and review businesses... [learn more](#)
- [Learn more about Yahoo! Local](#)

Google Maps
Huntsville AL public library
Search Maps
Search the map Find businesses Get directions

Maps Print Email Link to this page

Results 1-10 of about 1,497 for public library near Huntsville, AL - [Modify search](#)
Categories: [Libraries Public](#), [Government Offices County](#)

- A** [Oscar Mason Library](#) - more info >
149 Mason CT NW, Huntsville, AL
(256) 535-2249 - call
- B** [Huntsville-Madison County Public Library, Bessie K Russell Branch](#) - more info >
3011 Sparkman Dr NW # C, Huntsville, AL
(256) 859-9050 - call
- C** [Huntsville-Madison County Public Library, Showers Center Branch](#) - more info >
4600 Blue Spring Rd NW, Huntsville, AL
(256) 851-7492 - call
- D** [Monrovia Public Library](#) - more info >
1960 Jeff Rd NW, Huntsville, AL
(256) 837-6153 - call
- E** [Huntsville-Madison County Public Library, Administration](#) - more info >



Simple Collaboration

- MSN .NET Messenger  Messenger
- AOL Internet Messenger 
- ICQ 
- Yahoo! Messenger 
- Yahoo! IMvironments
- IRC 
- Trillian, GAIM, MEEBO

85%+ of people from ages 15-25 have at least one IM account - only 5% of over 30's

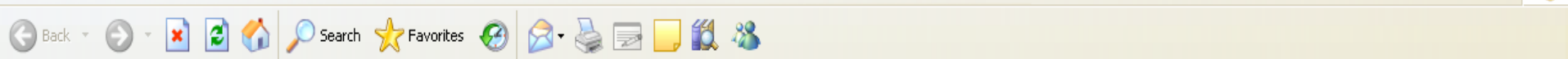
Most now with voice, video, co-browsing...Can you?



IM

- Aaron Schmidt -at Thomas Ford PL
- Pennsylvania State University IM pilots

- Discover IM, JYBE, SMS and Skype
- Grow into Virtual Reference like SirsiDynix Docutek VRL *Plus* in New Zealand
- Collaborate on Statewide and national VR



Address <http://www.chacha.com/> Go Links

Google G Go Bookmarks 9 blocked Check AutoLink AutoFill Send to Settings



ChaCha Search

Search With Guide

[What's This?](#)

[What's This?](#)

[Make ChaCha your Homepage!](#) | [The ChaCha Underground](#)



mercury
ChaCha Search Search With Guide

Hide Chat

Your guides recommend this directory for your search.

Guide Session

Status: Looking for a guide ...
Status: Connected to guide: RonlyceB
RonlyceB: Hi there. I will be helping with your search.
You: Hi
RonlyceB: hello what can i help you with today?
You: I need to search about Mercury
RonlyceB: sure
You: You there?
Status: Session ended.

- mercury
Science > Astronomy
Business > Automotive
Recreation > Autos
Arts > Writers Resources
Science > News and Media

Guide Recommended Resources for: Science > Astronomy

Luxury Cruise to Mars
Visit the Red Planet in style. Low-gravity fun for everyone!
Sponsored Links
Ads by Google

- google.space.com
http://google.space.com/search?q=mercury&site=default_collection&client=default_frontend&proxystylesheet=default_frontend&output=xml_no_dtd
- www.noblemind.com
http://www.noblemind.com/search.exe?var=1&form=mercury
- astronomylinks.com
http://astronomylinks.com/cgi-bin/links/search.cgi?query=mercury
- jux2 Meta Search Engine Compare Search Engines
http://www.jux2.com/best.php?q=mercury&submit=Search
- DMOZ
http://search.dmoz.org/cgi-bin/search?search=mercury

Open Directory Quick Search for: Science > Astronomy

Displaying 1 - 5 of 32 | Next »

- Planetary Transits Across the Sun

Free Advanced Aeries C6 N-GT telescope w/ free shipping! Survey req.
www.ontheweb-offer.com

It's Time for Wondertime
Revel in the joys of your child's learning! New parenting website.
Wondertime.com

Free LEAN CUISINE Fitness & Meal Planner
Plan and track your fitness and meal plans for a healthier you.
www.leancuisine.com

Capital One Auto Finance® Center
Drive away with APRs from 5.99%
Today's APRs from:
New Dealer 5.99%
Used Dealer 7.29%
Refinance 7.45%
Motorcycle 8.35%
Person-to-Person 8.25%
Lease Buyout 7.75%
Shop like a cash buyer with a Blank Check®
Refinance your existing loan and save
Calculate your monthly payment
Apply Now

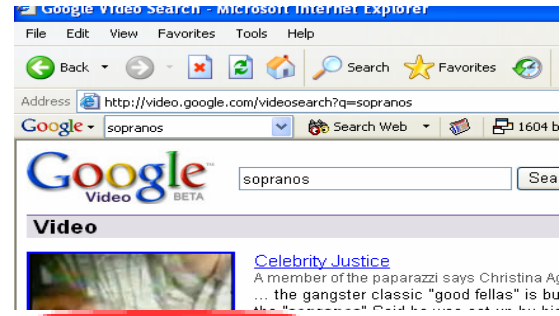


Getting on Board with the 3 big, permanent Revolutions

Blogging
Podcasting
Streaming

Get your texthead to nexthead

- MP3's
- Streaming Media
- Voice search

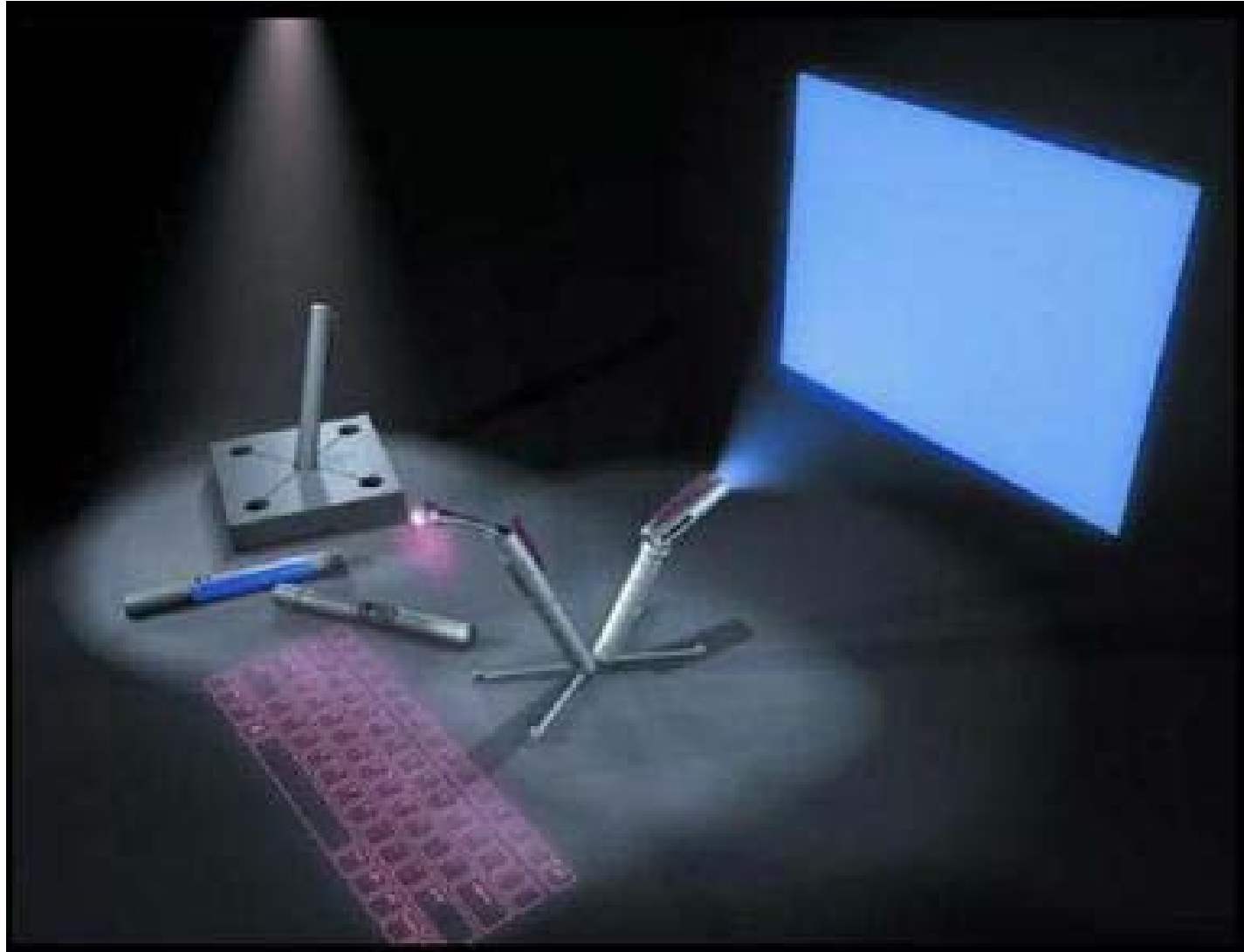


Powered by BBN Technologies

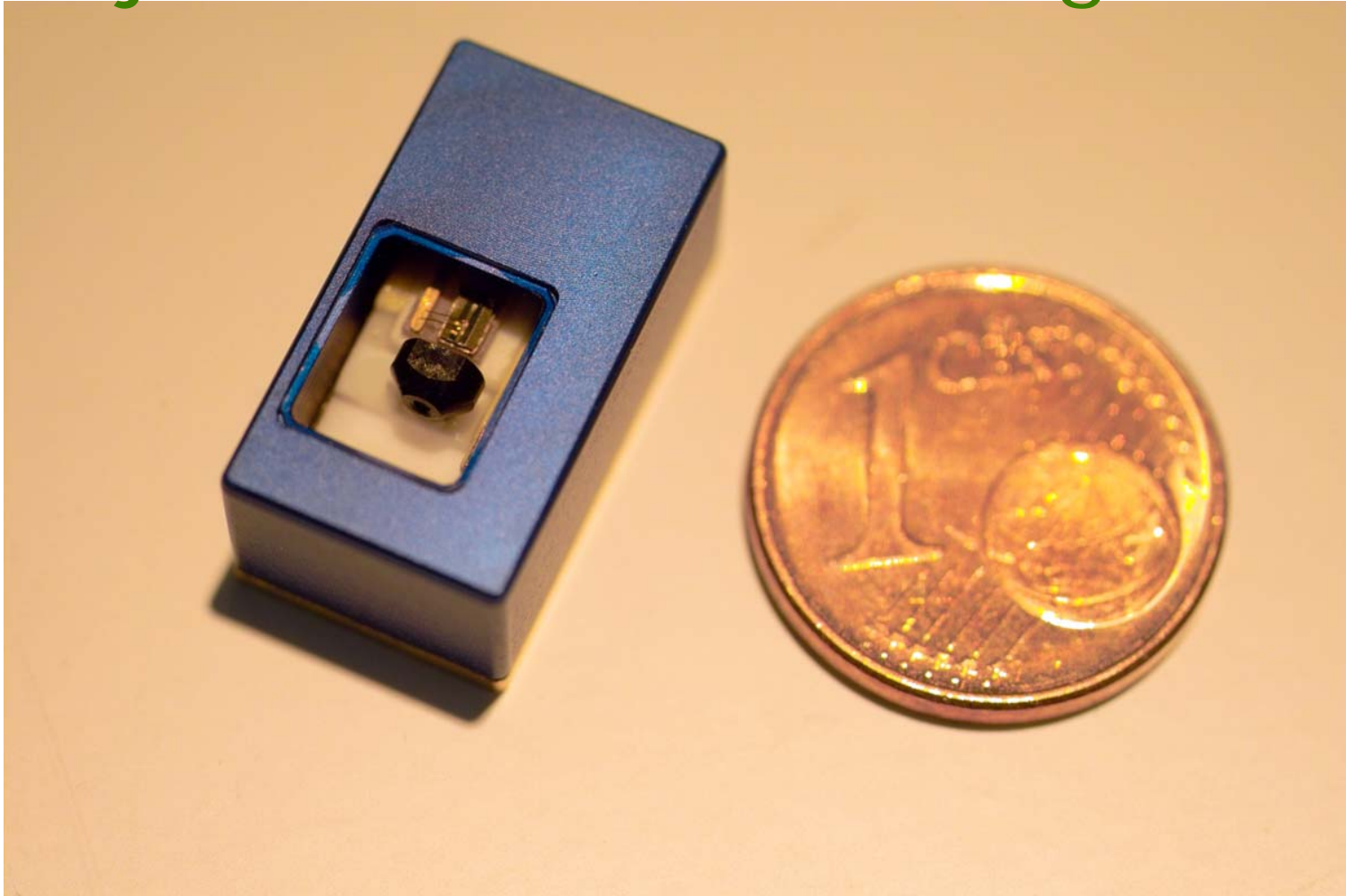


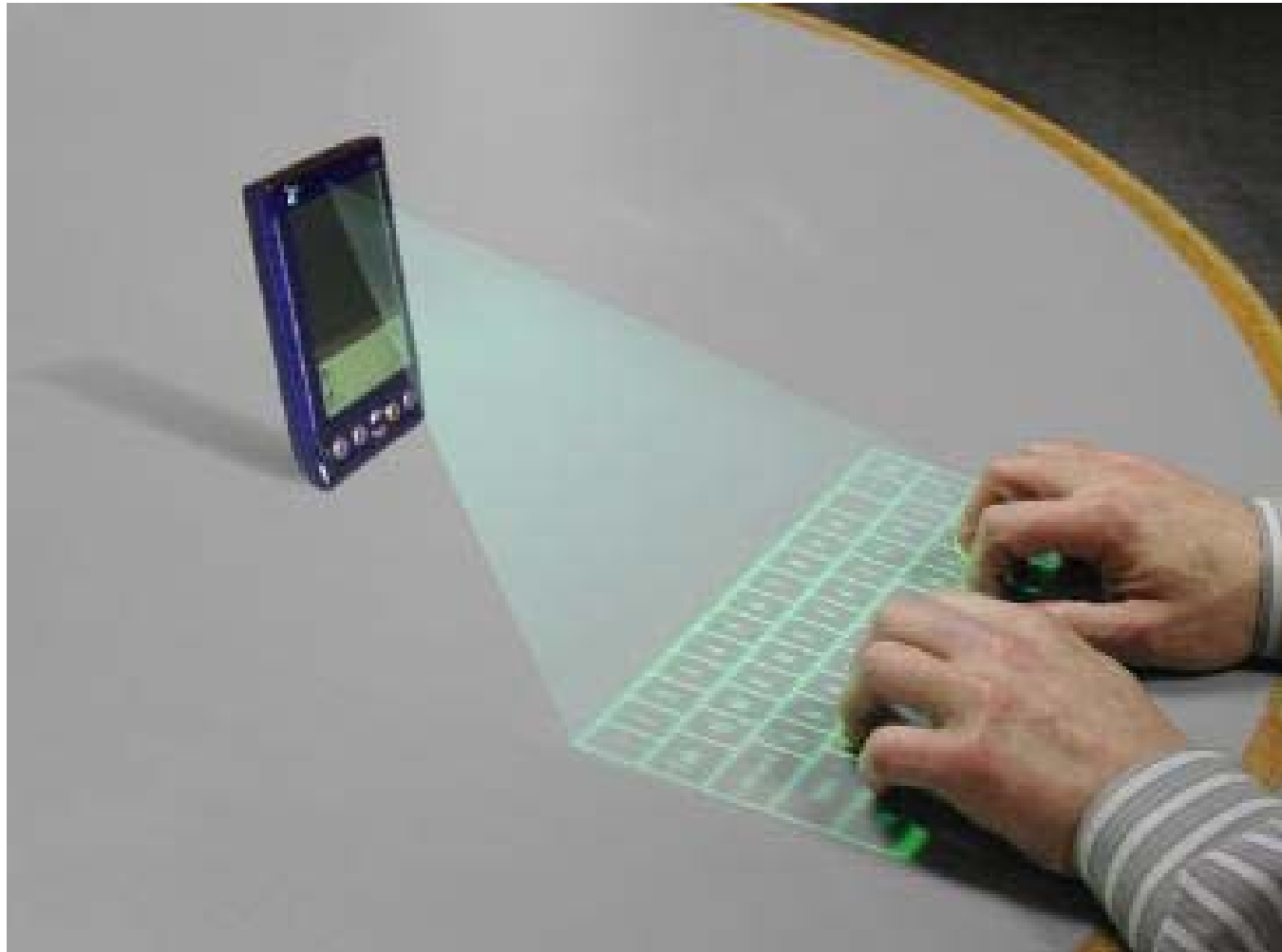






A projector the size of a sugar cube







Everything's getting smaller







It's an
Information
Ocean, not a
Highway.



**Libraries are an
“Exploration
Space” not a
collection space.**

What
Where



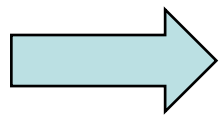
When



Why



Who



How





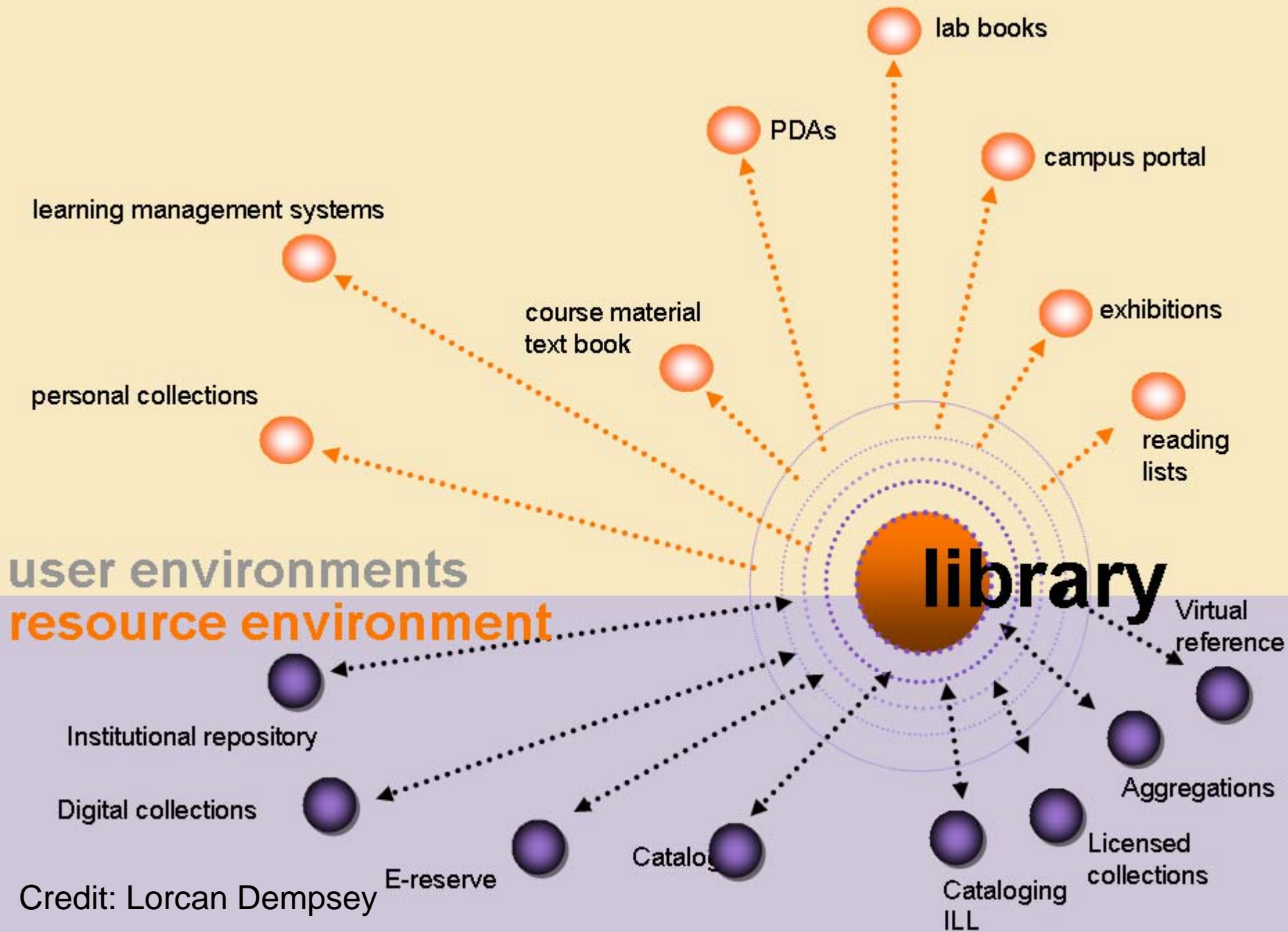
Once more with *feeling*

Libraries core skill is not
delivering *information*

Libraries improve the
quality of the *question*

Poor?







Reconstructing Reference

The New User Experience



Address http://del.icio.us/

Google delicious 9 blocked Check AutoLink AutoFill Send to delicious Settings

Come celebrate our third birthday (and more) with us at the del.icio.us party in October! hide this

del.icio.us social bookmarking

popular | recent
login | register | help

- » all your bookmarks in one place
- » bookmark things for yourself and friends
- » check out what other people are bookmarking

learn more...

» get started «

Tags

A tag is simply a word you use to describe a bookmark. Unlike folders, you make up tags when you need them and you can use as many as you like. The result is a better way to organize your bookmarks and a great way to discover interesting things on the Web.

learn more...

hotlist

what's hot right now on del.icio.us

HOT NOW

see also: popular | recent

Revision3 save this 961 people
 first posted by mcavatar podcast video tech technology blog tags

Toom : Excite your site save this 108 people
 first posted by geoff_ blog forum web2.0 hosting tools tags

Vector Art with Photoshop - Online Tutorial at Melissa Clifton page 1 save this 196 people
 first posted by hurgui photoshop tutorial vector art howto tags

tags to watch

more ...

search

A Brief Interview with Google's Matt Cutts

Home

The Semantic Indexing Project

productivity

Rands In Repose: Trickle Theory

The Joel on Software Discussion Group - Best tips that no one seems to know about?

Why email is addictive (and what to do about it)

google



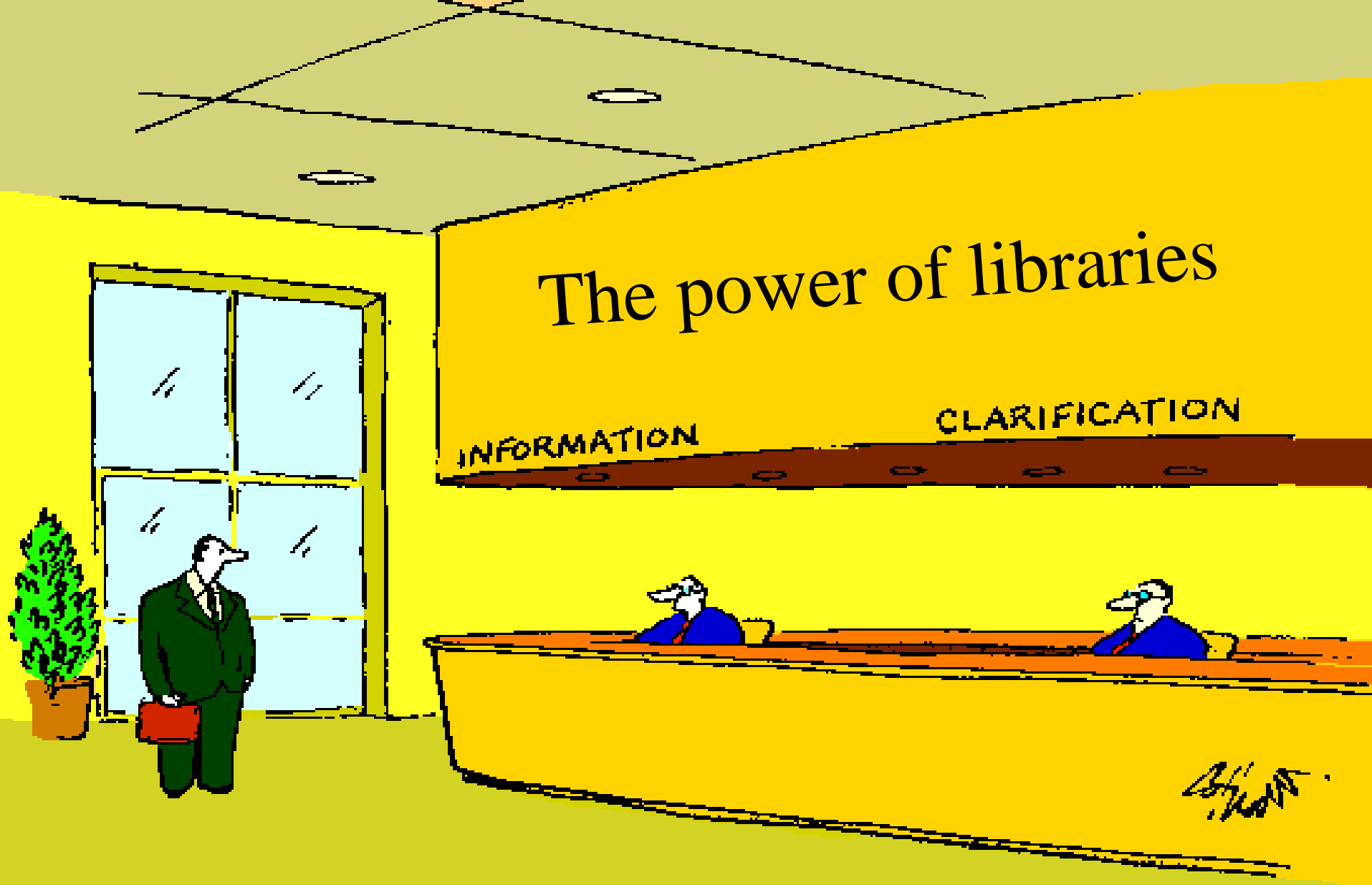
It's about Cooperating and Sharing

- Instant messaging
- Texting
- Meebo
- Trillian
- GAIM
- etc.

The power of libraries

INFORMATION

CLARIFICATION



to feel
happening
you can
you can

ing **focus**

to feel free
I cant live my
opportunities
to feel



All that matters is...

- **Community**
- **Learning**
- **Interaction**



Top 11 Strategies

1. Use integrated service points
2. Cross train staff
3. Use flexible management techniques
4. Redefine the library's physical space
5. Allow users to participate in decisions
6. Focus on new models of professional development
7. Add content to library catalogs
8. Develop a comprehensive marketing strategy
9. Re-evaluate the end user's information needs
10. Re-evaluate the library signage
11. Beware of technology for technology's sake



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





I've got my tinfoil hat on



HUNTSVILLE - MADISON COUNTY
PUBLIC LIBRARY



Stephen Abram, MLS

VP Innovation, SirsiDynix

Chief Strategist, SirsiDynix Institute

Cel: 416-669-4855

stephen.abram@sirsidynix.com

<http://www.sirsidynix.com>

Stephen's Lighthouse Blog

<http://stephenslighthouse.sirsidynix.com>