Linking Libraries & Librarians with & within Course Management Systems: Why? and How?

Richard D. Blake, mls; ph.d.

Graduate Studies Librarian Pennsylvania, USA









OUR THEME . . .



Boyer:

"Meet your learners where they are"

"Libraries need to meet learners where they are, and where they are is on their laptops, tablets, and phones. To remain relevant in the lives of our digitally connected students, school libraries must be both available and useful." (P.4)

Reference is dead! Long live Reference! Huh? By Donna Bachowski May 15, 2007

Seven Years Ago!!





TRADITIONAL REF DESK

REFERENCE ON THE GO?

Orange Slices Blog: blog.ocls.info/DRI/2007/05/reference_is_dead_long_live_re_1.html

Social Networking Web 2.0 Mashups Seven Years Ago!!

- Ask-A-Librarian
- IM, Chat, Meebo, Virtual 24/7 Reference
- Blogs & RSS
- Facebook & MySpace
- Second Life
- SMS & Twitter

ALL STILL USEFUL & POSSIBLE

✤ BUT TODAY—LET'S DISCUSS: LIBRARIES/LIBRARIANS AND. . .

"LEARNING MANAGEMENT SYSTEMS" (LMS)

&/Or

"COURSE MANAGEMENT SYSTEMS" (CMS)

&/Or

"ONLINE COURSE MANAGEMENT SYSTEMS" (OCMS)

1. Review a variety of Course/Learning Management Systems

2. Focus on why libraries <u>and</u> librarians should be involved

3. Examples of how to embed the library in a CMS/LMS

1. Review a variety of Course Management Systems

Definition –

What does Course/Learning Management System (CMS or LMS) mean?

"A course management system is a set of tools that enables the instructor to create online course content and post it on the Web without having to handle HTML or other programming languages."

https://www.techopedia.com/definition/6651/course-management-system-cms

IGI's 16+ Definitions

"A course management system (CMS) is a collection of software tools providing an online environment for course interactions. A CMS typically includes a variety of online tools and environments, such as: An area for faculty posting of class materials such as course syllabus and handouts."

WHAT ABOUT THE LIBRARY?

<u>http://www.igi-global.com/dictionary/course-management-system-cms/6082</u>

MAJOR CMS/LMS/OCMS PRODUCTS

- Online Course or Learning Management Systems have become an integral part of the higher education system.
 - WebCT
 - Blackboard
 - Sakai
 - ANGEL Learning
 - D2L
 - open source projects: Moodle, CourseWorks, CHEF and Stellar.
- Some colleges also develop their own small-scale course management systems.

Wikipedia Lists of LMS/CMS Historical

- <u>ANGEL Learning</u> (acquired by **Blackboard** in May 2009)
- <u>Blackboard</u> (acquired by Providence Equity in 2011)
- <u>Click2Learn</u> and Docent merged to become SumTotal Systems in 2004
- <u>CourseInfo LLC</u> (precursor company to **Blackboard**, which became Blackboard's core technology, founded by <u>Stephen Gilfus</u>
- <u>Elluminate</u> (acquired by **Blackboard** in 2010)
- <u>GeoLearning</u> (acquired by SumTotal in 2011)
- Learn.com (acquired by Taleo in 2010)
- <u>Litmos</u> (acquired by <u>CallidusCloud</u> in 2011)
- <u>Peoplesoft</u> (acquired by Oracle in 2005)
- <u>Plateau</u> (acquired by Successfactors in 2011)
- <u>Softscape</u> (acquired by SumTotal in 2010)
- <u>SuccessFactors</u> (acquired by SAP in 2012)
- <u>SumTotal</u> (acquired by Skillsoft in 2014)
- <u>Taleo</u> (acquired by Oracle in 2012)
- <u>WebCT</u> (acquired by **Blackboard** in 2005)

QUICK SURVEY

• HOW MANY OF YOU HAVE TAKEN AN ONLINE COURSE?

• HOW MANY HAVE HEARD ABOUT ANY OF THESE CMS/LMS/OCMS?

• HOW ABOUT SEEING THE LIBRARY IN A CMS?

Close to Home

"Intelligent Code Analyzer for Online *Course Management System*." Jong-Yih Kuo, Louisa Chu, *Fu Jen Catholic University*, IEEE Computer Society Washington, DC, USA ©2005!

"Online assignment submission is prone to easy plagiarism, infecting the learning process of the students and interfering with their studies. In the past, using human power to inspect for plagiarism is very time-consuming. This research then is focused on allowing programming courses to employ procedures such as code standardization, textual analysis, structural analysis, and variable analysis, to evaluate and compare programming codes."

> Not really about librarianship (just interesting!!)

CMS/LMS/OCMS

- a. How and why institutions expect a CMS to be used?
 - (more and more: online instruction, student success, and cost savings).
- b. Who is in charge of maintaining and troubleshooting the CMS?
 - (usually not the library, mostly IT or ITS or IMT)?
- c. How do faculty use a CMS (or not) for academics?
 - (studies show inconsistency of use by faculty)
- d. What role should the library play?
 -----> (<u>That's Today's Question</u>!!)
 (Need for teamwork and cooperation between IT,

Administration, Faculty and Librarians).

"Libraries in the Learning Management System," by Meredith Gorran Farkas in ACRL/ALA *Tips & Trends* (Summer 2015)

" Colleges and universities have also seen tremendous growth in enrollment of adult learners. In 2013, 39% of all college students were twenty-five years of age or older (National Center for Education Statistics 2015)."

"The proportion of adult learners taking online courses is greater than traditional-aged students (Lokken and Mullins 2015)."

"Online learning particularly appeals to this population because of its flexibility, allowing them to balance careers and families along with education."

"In order to be proactive in the online classroom, the library must have a presence in the LMS."

Fine for Older Adults—what about you College-aged Students?

LMS Embedded Librarianship and the Educational Role of Librarians (2016)

- Somewhere between 5.2 million and 7.1 million students were enrolled in at least one distance education course as of 2013. p. 6
- The growing digital nature of the library collection and the inability of online students to visit the library push librarians to become involved. p. 6.
- A fundamental motivation is the desire to see all students succeed in earning degrees and meeting their educational goals. A very practical motivation is the need for student tuition dollars, paid by continuing students, to sustain the institution. p. 7

(2016) Murphy & Black. *Journal of Academic Librarianship.* v3.

"Libraries in the Learning Management System," continued

"In the absence of a standard or facilitated space for the library in LMS products, libraries have developed a variety of strategies for providing resources, services, and librarians within the virtual classroom."



2. Focus on why libraries and librarians should be involved A. the **traditional function of the library** is an

informational resource, e.g., in-house reference and collection development.

B. **new online and technologies** make the library more virtual, e.g., e-resources and patrons use or (non-use).

C. Virtual library advocacy is required in this new era and new roles for librarians.

D. the **'embedded librarianship**' concept--serving the student/patron 'where they are,' which may not be in the library itself, but elsewhere on campus or, more and more often, off-campus and online.

FITTING IN WHERE THE LEARNERS ARE!

Embedded Librarian

Innovative Strategies for Taking Knowledge Where It's Needed

David Shumaker

Medford, New Jersey Information Today, 2014



Beth E. Tumbleson. (2016)

"Collaborating in Research: Embedded Librarianship in the

Learning Management System,"

The Reference Librarian, 57:3, 224-234, DOI: 10.1080/02763877.2015.1134376

Beth E. Tumbleson (2016). "Collaborating in Research: Embedded Librarianship in the Learning Management System." *THE REFERENCE LIBRARIAN*, VOL. 57, NO. 3, 224–234

"Reference as a 'learning management system embedded librarian' is a creative, collaborative venture. It entails collaboration with faculty and students in LMS courses to deliver information literacy instruction and answer individual research questions."

"But students "do not necessarily think of librarians as information experts available to help them. . . [nor] understand the term reference."

QUOTE/UNQUOTE

"Embedded librarians face the challenge of wedging themselves into the LMS and spreading the news of an unfamiliar service. According to the Ithaka S & R Library Survey 2013 by Long and Schonfeld, 80–90% of academic library directors perceive their librarians' primary role as contributing to student learning while only 45–55% of faculty agree librarians contribute to student learning. Thus, the LMS is not always welcoming territory for librarians, although it is the online space where students, faculty, and librarians gather to teach, learn, and research."

B. E. Tumbleson "Collaborating in Research: Embedded Librarianship in the Learning Management System," *THE REFERENCE LIBRARIAN* 2016, VOL. 57, NO. 3, 224–234.



info@cslpreads.org for more information.

"... the **right climate** needs to be created for knowledge sharing to take place." (L. Kleinveldt, M. Schutte and C. Stilwell, p. 65) AND

"Connecting with students in a digital world requires academic librarians to become trusted, knowledgeable, proactive consultants. Demonstrating warmth, empathy, and respect toward students in email exchanges, web conferencing conversations, and face-to-face encounters supports building relationships with students. . . . Faculty members who collaborate with librarians in the LMS, who endorse them by name as an expert in research, and who redirect students with research questions to the LMS embedded librarian strengthen the working partnership among faculty, librarians, and students. In this way, it becomes possible for the LMS embedded librarian to develop students' information literacy skills and metaliteracy. Students appreciate knowing the name of someone to contact with their research questions, . . . Embedded librarians who show up in online spaces students frequent make a positive difference. By reaching out to students, embedded librarians provide a lifeline for learners in a digital age."

(B. E. Tumbleson, pp. 232-3)

EVERYONE LOVES THEIR LIBRARIAN, RIGHT?

Not Librarians, too!!



'To remain relevant and avoid being victims of the "Panda Syndrome," which refers to pandas being "highly loved, and nearing extinction" . . . , librarians constantly and proactively need to update their knowledge and skills to respond to the needs of the university community, for example by supporting [information literacy] integration into [online] curricula.' (L. Kleinveldt, M. Schutte and C. Stilwell. p. 65).



Therefore,

"Embedding librarianship in the online learning environment, in particular, is an example of academic libraries being innovative in embracing technologies to support teaching and learning."

(L. Kleinveldt, M. Schutte and C. Stilwell. p. 62)

" 'So students can, on a twenty-four-hour basis, get information from the lecturer via the information on the Blackboard system. Obviously, with me being present on the lecturers' page**-me being the library**students also have unlimited access to resources of the library." (p. 70)

HOW TO EMBED THE LIBRARIAN



3. Examples of How to Embed the Library in a CMS/LMS:

a. Cooperation with faculty and IT to add librarians as teaching aides or instructors in select courses--advantages and restrictions.

b. Simple single linkage out of the CMS back to an external library website.

c. Installing IM, Chat and/or Ask-a-Librarian forms within the CMS/LMS.

d. Mounting the whole library website, such as LibGuides, directly into the LMS

e. Remote Instruction, e.g., "Collaborate"

f. Teaching Faculty how to develop their own websites, especially LibGuides, with course modules and syllabi—and librarian backup a click away.

LibGuides—Content Management System (another CMS!!!)

springshare

LibGuides

web 2.0 for library 2.0

Over 8,500 librarians at 500 libraries worldwide use LibGuides to create content, share knowledge and information, and connect with patrons. LibGuides is the best way to promote your library services and resources on the Internet.

Watch the video -->



Home | Features | Benefits | Widgets + Facebook | Reviews | Clients | Examples | F.A.Q. | Demo |

Web 2.0 for Library 2.0

LibGuides is the amazingly popular, easy to use, web 2.0 library knowledge sharing system. Librarians use it to create attractive multimedia content, share knowledge and information, and promote library resources to the community. Academic, Public, Special, and K-12 School Libraries find LibGuides an ideal solution for subject guides, information portals, course guides, community guides, research help, faculty/teacher support, etc.

Promote Library Resources and Services

Using LibGuides widgets and our "visual" API, libraries can distribute their content to other websites, blogs, and courseware systems. Our three Facebook apps help you promote your library resources and services on Facebook. LibGuides is also integrated with Twitter, enabling you to promote your library content in the Twitter universe. By integrating with many popular websites LibGuides connects you with patrons, wherever they are. Your Library gets more exposure online, leading to an increased use of your library's resources and services.

Successful Library Research

Sure, your patrons can use Google, Wikipedia, and online databases to find information. But you, the librarian, are the key to successful research. Nobody knows research better! You're the information superhero, the knowledge professional, the info sage. With LibGuides you help patrons find stuff they need

The Reviews

"Awesome", "hyper-cool", "incredibly useful", "greatest thing since sliced bread", "lives up to the hype", "perfect library 2.0 app" - check out what librarians and patrons have said about LibGuides.

Read the reviews of LibGuides.

Academic Libraries

Academic libraries use LibGuides for:

- General subject guides
- Course guides to support faculty instruction
- "How to" guides related to various library services
- Teaching library instruction and information literacy





Waynesburg University / Eberly Library / Eberly Library / Welcome

Eberly Library

🎔 Follow

Welcome	
Articles	
Books	
Media	
Department Guides	-
Faith & Learning	
Interlibrary Loan	
Social Media	-
More	

Ask a Librarian



- Item Request Form
- Reserve Book Request Form
- Ask Lisa Snyder-Electronic

Welcome to the Eberly Library

About Eberly Library	Hours of Operation	Mission	Staff Directory	What's New at Eberly Libra
The Eberly Library	is a critical educa	ition facil	ity maintained	for the use of
the Waynesburg	Jniversity commur	nity. The	ibrary maintai	ns a physical
collection of over	70,000 books, aug	diobooks	, CDs, DVDs, a	udiocassettes,
microfilm, and jou	rnals. The library's	online c	ollection inclu	des access to
over 150,000 eBoo	oks, tens of thousa	nds of jo	urnal articles a	nd citations,
thousands of edu	cational videos, a	nd more	5	a design of
The Eberly Library	is home to The Kn	ox Comp	uter Lab, The	Writing Center,
The Center for Stu	dent Success and	Disability	/ Services, The	Tutoring Center,
The Stover Center	for Constitutional	Studies d	and Moral Lea	dership, The B.F.
Maiz Center, and	the Trans-Appala	chian Ro	om.	

Eberly Library Tour



Search this Guide

Search



Waynesburg University / Eberly Library / Nursing / NURSING PROGRAM RESOURCE GUIDE / Book Search

SEARCH FOR BOOKS

NURSING PROGRAM RESOURCE GUIDE

NURSING

🖤 Follow

Book Search

- **Article Search**
- Evidence Based Research
- Evidence Based WebSites
- Health WebSites
- **Course Resources**
- Ask-a-Librarian
- **Eberly Library Home**

APA HELPS



The Owl at Purdue

Very helpful resource for APA questions and answers.

Eberly Library Online Catalog - The "OPAC." What does Waynesburg own? What's checked out or not? Ebrary a resource for online E-books. ebrary See especially the nursing items under "all subjects"/"meancine"/"nursing." Set up "My Account" to save and manage results and searches. BOOKS EBSCO ebooks - another online resource for eBooks and eAudiobooks. Set up "My Account" to save and manage results and searches. WorldCat - Find book citations (articles and multimedia) world-wide. Good for citation hunting and seeing what other library owns an item. Set up "My Account" to save and manage results and searches. Use 'InterLibrary Loan' to request items not found in Eberly's OPAC. JOOgle

Coarch

Search for Books:

Ask A Librarian



SEND QUESTIONS OR REQUESTS TO:

Dr. Richard D. Blake, Librarian

for Nursing & Graduate Programs

CLICK LOGO ABOVE OR LINK BELOW AND FILL OUT THE ASK-A-LIBRARIAN FORM.

- Ask-A-Librarian
- Request an Article
- Request a Book

RefWorks

Your Online Research Management, Writing and Collaboration Tool.

Move citations directly from EBSCO and other databases or from web sites like Google Books and Amazon.

Blackboard,

Ask A Librarian



852-3413

ts Pending.

line by clicking HERE

тΤ

Request a Book
STEP #1 LOG INTO LIBGUIDES ADMIN



Waynesburg University / Eberly Library / LibGuides Home

LibGuides Home

Welcome to the Dashboard - your one stop shop for all things LibGuides!

Latest SpringyNews



Springy News

- LibGuides v1 Retirement free update to v2 2 Mar 14, 2017
- "We're All In, Because It's Easy" 🗗
- LibStaffer 2.3 Now Live! @ Mar 8, 2017
- New Springshare Data Mar 8, 2017 Center: Europe – April 2017
- LibAnswers 2.12.0 Encryption Mar 7, 2017 Update Now Live 2* Mar 6, 2017

Website 🗷 Feed 🗷

Needs Your Attention

Would you look at that? These things want you to pay them some attention...

- Lisa Snyder deleted a guide: Eberly Library Google Cardboard Experience
- Richard Blake deleted a guide: A-Z Resource List
- Richard Blake deleted a guide: Eberly Library Home
- Richard Blake deleted a guide: Eberly Library Home





×

×

×

×

STEP #2—SELECT 'TOOLS' THEN 'WIDGETS'



Welcome to the Dashboard - your one stop shop for all things LibGuides!

Latest SpringyNews



Springy News

LibGuides v1 Retirement – free update to v2 c Mar 14, 2017
"We're All In, Because It's Easy" c
LibStaffer 2.3 Now Live! c Mar 8, 2017
New Springshare Data Mar 8, 2017 Center: Europe – April 2017 c
LibAnswers 2.12.0 Encryption Mar 7, 2017 Update Now Live c Mar 6, 2017

Needs Your Attention

Would you look at that? These things want you to pay them some attention ...

- · Lisa Snyder deleted a guide: Eberly Library Google Cardboard Experience
- Richard Blake deleted a guide: A-Z Resource List
- · Richard Blake deleted a guide: Eberly Library Home
- · Richard Blake deleted a guide: Eberly Library Home

LibGuides Shortcuts

Edit Existing Guide Assets Assets Generate a LibGuides Widget View Your Image Manager Library

Dr.

×

×

×

0

Support

1

Richard Blake

Email Me

Website 🖉 Feed 🖉

LOTS OF OPTIONS TO EMBED THE LIBRARY & LIBRARIAN!!



STEP #3: copying "ASK-A-LIBRARIAN"



CLICK LOGO ABOVE OR LINK BELOW AND FILL OUT THE ASK-A-LIBRARIAN FORM.

STEPS #4-6: LOG INTO WAYNESBURG'S CMS/LMS

· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • •		
	ackboar			
* * * * * * * * * * * * * * * * * * *				
	and a second	<u></u>		
		A· · · · · · · · · · · · · · · · · · ·		
		TM		

	USERNAME:			
			1	
	rblake			
			J	
	PASSWORD:			
			1	
	**********	* * * * * * * * * * * *		
		+ + + + + + + + + + + + + + + + + + +		
	a a a d d a a d d d a a a d d d a a d	Forgot Your Password	<u> </u>	
	Login			
	Cie			
	SIG	yn in using		
	mul	Connect		
	iliyv	Connect		

Blackboard Support

(Thursday, September 22, 2016)

For Blackboard, myConnect and all technology at Waynesburg University, contact WU Helpdesk at (724) 852-3413

For Blackboard Collaborate Classroom Support, (available 24/7) contact them by phone at (877) 382-2293 or online by clicking HERE

STEP #5: CHOOSE A COURSE TO EMBED THE LIBRARIAN!

more announcements...

	more announces
Jser Directory	
\ddress Book	Internships and Job Search
^o ersonal Information	
Goals	
Academic Materials	
	Kickstart Your Career!
	Find Jobs and Internships Now!
	What are you searching for: Where:
	e.g. Marketing, Design, etc City, state, or zip code



On Demand Help and Learning Catalog

Learn more about the Blackboard Academic Suite through short clips that demonstrate the key features and functionality. To obtain a listing of all of the quick tutorials available for download, visit the Quick Tutorials Catalog. Using Blackboard Learn, Release 9 or just want to learn more about it? Visit the On Demand Learning Center with, over 50 Quick Tutorials and Getting Started Guides

Courses where you are: Instructor

BMS105_17_SP_08_01: Introduction to the Old Testament

SLR106 17 SP 08 10: Mission Service Trip

BMS297 17 SP 08 04: IS:Advanced Hebrew

BMS297_17_SP_08_05: IS:Advanced Hebrew

BMS297 17 SP 08 03: IS:Basic Hebrew

BMS297 17 SP 08 02: IS:Hebrew Reading

Introduction to the Old Testament

PHL497 17 SP 08 01: IS:Advanced Hebrew & Midrash

BMS297 17 SP 08 06: IS:Basic Hebrew

Courses where you are: Student

Bb Faculty Training: Bb Learn for Faculty

Group RNBSN: RN to BSN Faculty

Group Scholarship Discussion: Scholarship Discussion Group

Courses where you are: Teaching Assistant

Group Counseling Program Information: 411-Graduate Counseling Program Information

NUR589 17 SP 04 01: Evidence Based Nursing Practice

NUR589 17 SP 05 01: Evidence Based Nursing Practice Announcements:

MSN Spring II, 2017 Course Evaluation Survey extended

NUR589 17 SP 05 02: Evidence Based Nursing Practice Announcements:

MSN Spring II, 2017 Course Evaluation Survey extended

My Tasks

tĽ		* * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	+ + +
+	🖻 🕹 🖬	Title	Dr.	
Ŧ	Evidence Based Nursing	First Name	Richard	
	Practice (NUR589_17_SP_04_01)	Last Name	Blake	
	Home Page	- X- Email	rblake@waynesburg.edu	
	Contacts	Work Phone		
	Module, Rubrics, & Templates	Office Location		
	Course Documents	For the toolbar, press ALT+F10	0 (PC) or ALT+FN+F10 (Mac).	
	Course Resources	Include the second seco		
	Assignments	Eberly Library 120		
	Discussion Board			
	Test & Quizzes			
	Tools			Charact
	Help	Office Hours		
	Blackboard and Collaborate Instructions	ABC -		
	Faculty Resources 🖾			
	Course Evaluation			
	COURSE MANAGEMENT			Charao
-	Control Panel	Notes		
►	Content Collection >	For the toolbar, press ALT+F10		
►	Course Tools	T T T T Paragraph	Arial \checkmark 3 (12pt) \checkmark \equiv \top \top \checkmark \checkmark \equiv \equiv \equiv T^{x} T_{x} ϑ \flat \bullet \bullet \bullet \equiv \equiv \equiv T^{x} T_{x} ϑ \flat \bullet \bullet \bullet	L
►	Evaluation >			
►	Grade Center >			
►	Users and Groups			
►	Customization >			
•	Packages and Litilities			

📑 💐 Maine Public Clas 🌒 🗙 🛛 M Inbox	- rdblake@gma 🗴 🦲 Widgets - Eberly Libr 🗴 🕒 Book Search - NURSI 🗴 🔟 Create Contact – BM 🗴 Self-S
🗲 🛈 🖗 https://blackboard.waynesburg.e	edu/webapps/blackboard/execute/staffinfo/manageContacts?cmd=add&course_id=_24127_: C Search
💐 Maine Public Classical 🔊 Most Visited	🐵 LibWizard Home 🐵 Welcome - Eberly Libr 🛞 Self-Service - Home 脑 Blackboard 🐵 BMS105 - BMS 105: Ol 🕕 EBSC
Users and Groups	
Customization	Office Hours
Packages and Utilities >	RBC -
▶ Help	
+ + + +	📵 HTML code view - Mozilla Firefox
* * * *	🕕 🕼 https://blackboard.waynesburg.edu/webapps/vtbe-tinymce/tiny_mce/themes/advanced/source_editor.jsp?v=9.1.20
* * * * * * * * * *	HTML code view
· · · · · · · · · · · · · · · · · · ·	<iframe< th=""></iframe<>
	id="s-lg-widget-frame-1492370306770" width="100%"
	height="250" scrolling="yes"
	style="border: 1px solid #bbb; border-radius: 4px;"
	src="//lgapi-us.libapps.com/widget_box.php?site_id=2398swidget_type=8soutput_format=2s
	widget_title=Ask+A+Librarianswidget_height=250swidget_width=100%25swidget_embed_type=1s
	<pre>guide_id=236615&box_id=4777369↦_id=5631913&content_only=0&config_id=1492370306770"> </pre>
	() IIIdines
* * * * * * * * * * *	
* * * * * * * * * * *	
* * * * * * * * * * * * *	
* * * * * * * * * * * *	
* * * * * * * * * * * * * * * *	
* * * * * * * * * * * * * * * * *	
• • • • • • • • • •	
· · · · · · · · · · · O	PT .
* * * * * * * * * *	
* * * * *	
+ + + +	

Student Preview mode is ON Settings 🖆 🖒 📬 Module Evidence Based Nursing 🛖 Practice (NUR589_17_SP_04_01) Home Page ask a librarian 😏 Follow Contacts Module, Rubrics, & Templates Ask A Librarian **Course Documents** Ask a Course Resources Librariar Assignments SEND A QUESTION OR REQUEST TO Discussion Board Dr. Richard D. Blake Test & Quizzes Librarian for Nursing & Allied Health Information & GAPS. Tools CLICK LOGO ABOVE OR LINK BELOW AND FILL OUT THE ASK-A-LIBRARIAN FORM. Help · Request an Article Blackboard and Collaborate · Request a Book Instructions Faculty Resources Z Course Evaluation COURSE MANAGEMENT **Control Panel** Content Collection ► > Course Tools Evaluation ▶ > Grade Center Ilears and Groups



WAYNESBURG UNIVERSITY.

Ask a Librarian-Richard Blake

Please submit your questions below.

If you would like to contact me directly please call: (724) 852-3254.

*If you would like to request a specific book or article via Interlibrary Loan please do so on the library website.

What is your name? *

What is your email address? *

How may I help you? What specific information are you searching for? *

What COURSE (if any) is this question is about?

What INSTRUCTOR (if any) is assigned for the course?

What is your MAJOR(s):

Briefly explain your assignment. If you are seeking assistance with a class or project please let me

Here's the Form that "embeds" the Reference Interview onto the User's computer.



<

0 📑 🤊 🖃

Favorites

Inbox
 AZUSA
 BMS
 Addie
 HEBREW
 Historical Theology
 Faculty Handbook Comma

Drafts

Content of the second second

Archives

🖂 Mail

🟹 Tasks

Calendar

Home

rblake@waynesburg.edu

IRB Committee
 Library Stuff
 ALA 2014
 ALA 2017
 CAR USE
 chronicle
 ebrary
 time off forms
 Prof Develop
 Query Log
 GAPS faculty
 MSN DPN students
 NURSING faculty
 Taiwan / SLR 2017

r View Search

RE: Ask a Librarian-Richard Blake [#69]

Query Log - rblake@waynesburg.edu - Microsoft Outlook



ask-a-librarian	×	Re: Ask a Librarian-Richard Blake [#76]	
Arrange By: Date	Newest on top 👘 💆	Misty Leininger	Su N
	=	Sent: Wed 4/5/2017 10:13 AM	26 2
▲ Last Week	_	To: Richard Blake	2 9 1
A Misty Leininger	Wed 4/5 🗖 👓		16 1
Re: Ask a Librarian-Richard Blake [#76]		YOU ARE GOOD! It worked just fine. Thank you!	23 2
💁 MBA, Health Systems Administration	Tue 4/4	Too Aile Good: it worked just line. Thank you:	30
Ask a Librarian-Richard Blake [#77]			Wedn
🙈 MBA Health Systems Adminstration	Tue 4/4		DR &
Ask a Librarian-Richard Blake [#76]	7 🗆	From: Richard Blake <rblake@waynesburg.edu></rblake@waynesburg.edu>	APPC 10:00
		Sent: Wednesday, April 5, 2017 1:38 AM	10.00
Two Weeks Ago			Thurse
	3/30/2017	Subject: RE: Ack a Librarian Richard Blake [#76]	BMS
Ask a Librarian-Richard Blake [#75]	3/30/2017		8:30 A
Jacqueline Poydence	3/26/2017	Misty,	AW
	· · - UY		Mond
		do a dynamic translationalthough I didn't spend too much time comparing it with the	2
4 Three Weeks Ago		original:	
🙈 MachForm	3/21/2017	http://www.scielosp.org/scielo.php?script=sci_arttext&pid=S0036A	Arrang
Ask a Librarian-Richard Blake [#74]		36342011000800014& lpg=en&prm=iso&tlpg=en	
🚘 Courtney Kurowski	3/19/2017		Type a
Re: Ask a Librarian Dr. Richard Blake [#319]	5/19/2017	Not sure if it was just my browser (Chrome) or built into the scielosp.org site.	⊿ No
			Allys
Last Month			- T
强 Courtney Kurowski	3/18/2017		DAS
Re: Ask a Librarian Dr. Richard Blake [#319]	5/18/2017	R. D. Blake, mis, ph.d	Fait
🔁 Courtney Kurowski	3/18/2017		Cop
Re: Ask a Librarian Dr. Richard Blake [#319]	5/16/2017	Librarian for Graduate Studies and Nursing & Allied Health Studies 724-852-3254	DNP
🚔 Carol Cisney	3/17/2017	124-032-3234	
Re: Ask a Librarian-Richard Blake [#73]	5/1//2017		
🚘 Carol Cisney	3/16/2017	From: no-reply@forms.waynesburg.edu [no-reply@forms.waynesburg.edu]	
Re: Ask a Librarian-Richard Blake [#73]	3/16/2017	Sent: Tuesday, April 04, 2017 9:24 PM	
Nurse Administration	3/16/2017	To: Richard Blake; <u>rdblake@gmail.com</u> Subject: <mark>Ask a Librarian</mark> -Richard Blake [#76]	
Ask a Librarian-Richard Blake [#73]	5/16/2017	Subject. Mak a Liurarian-Kichara Diake (#70)	
Administration	3/16/2017	Please submit your questions below. If you would like to contact me directly please call	
Ask a Librarian-Richard Blake [#72]	UY		
🚘 Courtney Kurowski	3/15/2017		
Re: Ask a Librarian Dr. Richard Blake [#319]	5/15/2017	MBA, Health Systems Adminstration	
Ask-a-Librarian	3/15/2017	Connect to social networks to show profile photos and activity updates of your colleagues 🗙	
Ask a Librarian Dr. Richard Blake [#321]	3/15/2017	in Outlook. Click here to add networks.	
A Megan Como	3/15/2017	These are up items to show in this view.	
Re: Ask a Librarian-Richard Blake [#71]	5/15/2017		
MSN Nursing Administration	3/15/2017		
Ask a Librarian-Richard Blake [#71]	3/15/2017		
MSN with administration concentration	3/15/2017		
Ask a Librarian-Richard Blake [#70]	5/15/2017	0	
🚔 Lisa Washington	3/13/2017		
DS A La Phasian Distant Dista MCOL	S/15/2017	🕂 Add	

🕂 Add

HOW TO EMBED THE LIBRARY IN A CMS/LMS

τТ

0





© 1997-2017 Blackboard Inc. All Rights Reserved. U.S. Patent No. 7,493,396 and 7,558,853. Additional Patents Pending. Accessibility information + Installation details

STEPS #1-2-3-4: ADMIN, WIDGET, JAVASCRIPT TO "EMBED CODE" & "PREVIEW"

LibGuides 👻 🖀 Ho	me 🖓 Content 🗸	📌 Tools 🗸	🗩 Discussions 🗸	III Statistics	📩 Admin 👻	🕜 Help		a rbiake@w	/aynesburg.edu
									3111
nesburg University / Eb	shi Libsani / Wideota			THE	國防的政治				
	eny Library / Widgets								
idgets									
Guides A-Z List	Users Subjec	ts Groups	Tags Conte	ent Box Guid	e / Page S	earch Box	Course		
ily embed content in any w	ebsite using a JavaScri	ipt snippet.							
				_					
ide Selection				En	nbed Code	9			
	Eberly Library by Lisa Sr	pydor			iframe I="s-Ig-widget-frar	ne-1400630326	763"		
Guide	EDUTING UN LIST OF	nyder	V		vidth="100%" eight="800" scroll				
Page	Select a page		Ŧ	S	tyle="border: 1px s	solid #bbb; bord			
Enable navigation				0	utput_format=2&v	vidget_title=&wid	_c.php?site_id=2398&wi lget_height=800&widget	_width=100%25&	
				C	onfig_id=1490639		353529&page_id=0&ena	able_navigation=1&	
ook & Feel					/iframe≻				
Output Format 🔘 Si	mple - HTML code is ge	enerated via direct	URL						
		tes embedded <i< td=""><td>frame> with header and</td><td>I HTM</td><td>/IL code / URL to u</td><td>ise in your site. (</td><td>Click to select all.</td><td></td><td></td></i<>	frame> with header and	I HTM	/IL code / URL to u	ise in your site. (Click to select all.		
s	rollable content			Pr	eview				
	Height 8	00	Update						
	Width 1	00%	Update		Y Follow				Â
					✓ Follow	🗻 Eberly Li	brary Waynesburg	a University	
						CAR BOR		and the second second	ALC: NO
				v	Vaynesburg Unive	ersity / Eberly	ibrary / Eberly Library	/ / Welcome	E
				E	Eberly Lik	orary	Search this	Guide	Search
					Welcome				
					Articles				

Embed Code

<iframe< th=""></iframe<>
id="s-lg-widget-frame-1490637381236"
width="100%"
height="800" scrolling="yes"
style="border: 1px solid #bbb; border-radius: 4px;"
src="//lgapi-us.libapps.com/widget_c.php?site_id=2398&widget_type=9&
output_format=2&widget_title=&widget_height=800&widget_width=100%25&
widget_embed_type=1&guide_id=99046&page_id=641387&enable_navigation=1&
config_id=1490637381236">

HTML code / URL to use in your site. Click to select all.

STEP #7: LOG INTO WAYNESBURG'S CMS/LMS

		a a a a george a serie a serie de la se		
		• • • • • • • • • • • • • • • • • • •		
	lackboa			
* * * * * * * * * * * * * * * * * *		• • • • • • <u>• • •</u> • • • • • • • • • •		
	<u></u> . <u></u>			
	· · · · · · · · · · · · · · · · · · ·			
	USERNAME:			
	+ + + + + + + rblake			
	* * * *			
	PASSWORD:			
	* * * *			
		Earast Vour Daar	oword2 + + + + +	
	Login	Forgot Your Pass	SWOID?	
	Login			
	 			
		Sign in using		
		Sight in using		
		myConnect		
		ing connect		

Blackboard Support

(Thursday, September 22, 2016)

For Blackboard, myConnect and all technology at Waynesburg University, contact WU Helpdesk at (724) 852-3413

For Blackboard Collaborate Classroom Support, (available 24/7) contact them by phone at (877) 382-2293 or online by clicking HERE

STEP #8: CHOOSE A COURSE TO EMBED THE LIBGUIDE



STEP #9: ADD CONTENT TO THE CLASS MODULE

W	AYNE	SBURG	GUNIVE	RSIT My Institution Courses	chard Blake 61 🔻 (
A 🛇 Module				۵ ا	Edit Mode is: ON
+ 🔁 🖆 🗘 📬	Success: BMS 105 CO	URSE MODULE deleted.			8
Introduction to the Old festament (BMS105_17_SP_08_01)	Module				
Home Page	Build Content 🗸	Assessments 🗸 Tools 🗸	 Partner Content 		
Contacts Module Cou Module nents Assignments Tools Discussion Board Help			It's time to add co Use functions above to		7
COURSE MANAGEMENT					
Control Panel					
Content Collection					
Course Tools					
Evaluation >					
Grade Center >					
Users and Groups					
Customization >				* * * * * * * * * * * * * * * * * *	+ + + + +
Packages and Utilities	* * * * * * * * * * * *				
Help	* * * * * * * * * * *				
the //blackboard was marking at /		antantEditable inv?tt-ivi			
		Content_date_ds/	005_1&course_id=_24127_1&mode=reset	*****	2:11 PM

BUILD CONTENT AND 'CREATE AN ITEM'



STEP #10: ADD THE CODE



SUCCESS!! THE LIBRARY LIBGUIDE IS NOW EMBEDDED IN THE CMS/LMS!

WAYN B	Richard Blai
8 Module	💽 📗 Edit Mode
+	Success: EBERLY LIBRARY edited.
▼ Introduction to the Old ↑ Testament (BMS105_17_SP_08_01)	Module
Home Page	Build Content 🗸 Assessments 🗸 Tools 🗸 Partner Content 🗸
Contacts	
Module	
Course Documents	Sector Follow
Assignments	Follow
Tools	🚽 Eberly Library Waynesburg U
Discussion Board	Ebony Elbrary traynosborg a
Help	
COURSE MANAGEMENT	
 Control Panel 	
Content Collection	Waynesburg University / Eberly Library / Eberly Library / Welcome
Course Tools	Eberly Library
Evaluation >	Welcome Welcome to the Eberly Library
► Grade Center >	
Users and Groups	Articles About Eberly Library Hours of Operation Mission Staff Directory
Customization	Books The Eberly Library is a critical education facility maintaine
Packages and Utilities >	Media the Waynesburg University community. The library maintaine
	nie regnoodig onnoung ennoung internet



EBERLY LIBRARY



aynesburg University / Eberly Library / Eberly Library / Welcome

berly Library

Welcome
Articles
Books
Media
Department Guides
Faith & Learning
Interlibrary Loan
Social Media
More

sk a Librarian



Welcome to the Eberly Library

About Eberly Library	Hours of Operation	Mission	Staff Directory	What's New at Eberly Library?	
----------------------	--------------------	---------	-----------------	-------------------------------	--

The Eberly Library is a critical education facility maintained for the use of the Waynesburg University community. The library maintains a physical collection of over 70,000 books, audiobooks, CDs, DVDs, audiocassettes, microfilm, and journals. The library's online collection includes access to over 150,000 eBooks, tens of thousands of journal articles and citations, thousands of educational videos, and more.

The Eberly Library is home to The Knox Computer Lab, The Writing Center, The Center for Student Success and Disability Services, The Tutoring Center, The Stover Center for Constitutional Studies and Moral Leadership, The B.F. Maiz Center, and the Trans-Appalachian Room.



SI

Search this Guide

Paganelli, A., & Paganelli, A. (2017). The online embedded personal librarian approach to providing reference services via a course management system. *Journal Of Electronic Resources Librarianship*, *29*(1), 54-60. doi:10.1080/1941126X.2017.1270105

Both the embedded and personal librarian concepts are becoming an essential aspect in librarianship. The information-seeking behavior needs of students have changed based on accessible Internet sources. In addition, technology design has altered the educational learning landscape allowing a new pathway for library outreach. Furthermore, higher education is striving for high retention rates, where the online embedded personal librarian approach is an effective model for helping students accomplish the required curriculum and maintain high retention rates.

VAYNESBURGUNIVERSI My Institution My Career Courses ***GETTING MORE PERSONAL & GOING LIVE (BUT FROM AFAR) ė C Tools Introduction to the Old 🛛 🛖 Testament A **Room Details** x Opening meeting.collab You have chosen to open: meeting.collab INTRODUCTION TO which is: Blackboard Collaborate Session (9.5 KB) Room Information from: https://blackboard.waynesburg.edu Guest URL: What should Firefox do with this file? Join Room Open with Blackboard Collaborate Launcher (default) Moderator Phone Save File If you can't open the .collab Moderator PIN Do this automatically for files like this from now on. ▼ (Participant Phone Still can't get into your ses: Participants PIN OK Cancel



Waynesburg University / Eberly Library / Eberly Library / Articles

Eberly Library

Department Guides

Faith & Learning

Interlibrary Loan

Social Media

More

Welcome

Articles

Books

Media

💙 Follow

				Search this Guide	S
Finding Articles					
Find an Article	Open Access Journals	Citation Help	Reserves		
		0		Full Text Finder	
E	EBSCOhost		a sta	Search for	
E	SCOhost	SI	OR	Eberly Library's Journals by Title	
		JS	TOR	soomals by me	

Ask a Librarian



Item Request Form

Reserve Book Request Form
 avnesburg.libauides.com/c.php?g=353529&p=2384361

***Create a personal user account on the website for these resources to receive the full benefits of the Eberly Library subscription.

Discipline-Specific Resources:













EMAIL: Webinar: How (and why) to integrate your library's resources into the curriculum



Overview Support Faculty, Help Students and Promote Library Resources

If only you could readily integrate your library's resources into the curriculum, right? The

answer is – you can! Join Keith Rocci, Lippy Director at Pima Community College, and Eric Frierson, Director of Field Engineering at EBSCO, as we discuss Curriculum Builder – a learning management system (LMS) plugin that allows you to link your quality databases, e-books and other digital resources from your *EBSCO Discovery Service* or EBSCO*host* search interface directly into your online learning environment. ^{1:00} p.m. EDT Services and ^{1:00} p.m. EDT Services and ^(-4 GMT) Check out "Curriculum Builder" firameEBSCO on Vimeo. The video is available for your viewing pleasure at https://vimeo.com/207172453



EMAIL #2: New strategies to embed library initiatives into campus culture

Dear Richard,

The success of library-driven repositories, faculty expert galleries, and publishing programs depend on continued support from administration and strategic campus groups. With so many issues vying for their attention, how can you make sure these services get—and stay—on the campus radar?

From surveying the bepress community of over 500 institutions, we have found that libraries with thriving initiatives focus on ways to support existing institutional goals.

Please join us for a <u>free webinar</u> in which Promita Chatterji, bepress Product Marketing Manager, will share:

Examples of institutional repositories integrated into the core goals and activities of their institutions

Findings about the types of repository content universities value most

Information about how these findings have inspired bepress's development direction

Title: New Strategies to Embed Library Initiatives into Campus Culture Date/Time: Tuesday, April 25th, 2017/11:00am-12:00pm PDT

SUMMARY & THE FUTURE

"How do librarians/libraries best fit in this digital information environment?" *Joe Janes*

– Certainly outreach is necessary.

- Move the librarian/library towards the patrons

- Less introverted, more tech savvy librarians needed

Selective electronic outreach possible in CMS/LMS

In terms of acceptance by faculty and students, the literature indicates that students and faculty deem the concept extremely important in providing library services online. Students were very receptive and accepting of the online embedded personal librarian model. The literature also noted that faculty perceived the embedded librarian as an essential aspect of the course. With the faculty and students embracing the innovative reference and library services, librarians will have the opportunity to meet the needs of the patrons and build strong relationships.

Paganelli, A., & Paganelli, A. (2017). The online embedded personal librarian approach to providing reference services via a course management system. *Journal Of Electronic Resources Librarianship*, *29*(1), 54-60. doi:10.1080/1941126X.2017.1270105

My Conclusion

 Libraries and Librarians still play a unique and valuable informational-instruction role going forward in this electronic era that will continue to challenge traditional library functions. But it may not be 'a bed* of roses'!!





QUESTIONS?





rblake@waynesburg.edu



Not for US only, but for all of us!

行動時代與圖書館服務

Library Service for the Mobile Age

楊繼斌

Gilbert Yang

萬能科技大學圖書館流通閱覽組組長 Head of Circulation and Reference Division, Vanung University Library

【摘要 Abstract】

本文以行動時代的變局為開端,說明行動時代的特點,和無線及行動科技帶來的服務契機, 並歸納及整理國外圖書館界曾經提出的行動或無線服務,且進一步探討圖書館在因應行動時代衝 擊時應採取的態度和作為,最後提出無線及行動科技與圖書館服務結合的優點,以及未來的圖書 館行動服務的可能方向。

This article is drawn from our mobile age, characterizes the Mobile Age and details the opportunity introduced by wireless and mobile technology. Furthermore, it collects the efforts that the Library Industry has made in providing mobile or wireless services and describes the service aspects which librarian should keep in

REFERENCES

Bell, B. (2016). Training academic library staff using an online learning management system (LMS). Bottom Line: Managing Library Finances, 29(4), 237-240. doi:10.1108/BL-02-2016-0008

Boyer, B. (2016). Meet your learners where they are: Virtualizing the school library. Internet@Schools, 23(1), 4-6.

Burke, J. J., & Tumbleson, B. E. (2016). Learning management systems: Tools for embedded librarianship. Library Technology Reports, 52(2), 1-2.

Connell, R. S. (2013). Content management systems: Trends in academic libraries. Information Technology & Libraries, 32(2), 42-55.

Costello, B., Lenholt, R., & Stryker, J. (2004). Using blackboard in library instruction: Addressing the learning styles of generations X and Y. Journal of Academic Librarianship, 30(6), 452-460.

Henrich, K. J., & Attebury, R. I. (2012). Using blackboard to assess course-specific asynchronous library instruction. Internet Reference Services Quarterly, 17(3), 167-179.

doi:10.1080/10875301.2013.772930

King, S., Cataldi-Roberts, E., & Wentz, E. (2017). Meeting at the crossroads: Collaboration between information technology departments and health sciences libraries. *Journal of the Medical Library Association*, 105(1), 27-33. doi:10.5195/jmla.2017.104

Kleinveldt, L., Schutte, M., & Stilwell, C. (2016). Embedded librarianship and blackboard usage to manage knowledge and support blended learning at a south african university of technology.

South African Journal of Libraries & Information Science, 82(1), 62-74. doi:10.7553/82-1-1592

Lamb, A., & Johnson, L. (2013). Riding the winds of change: New directions for libraries and web development tools. Teacher Librarian, 40(5), 58-63.

Leeder, C., & Lonn, S. (2014). Faculty usage of library tools in a learning management system. College & Research Libraries, 75(5), 650-663. doi:10.5860/crl.75.5.641

LMS embedded librarianship and the educational role of librarians. (2016). Library Technology Reports, 52(2), 5-9.

Murphy, S. A., & Black, E. L. (2013). Embedding guides where students learn: Do design choices and librarian behavior make a difference? Journal of Academic Librarianship, 39(6), 528-534.

doi:10.1016/j.acalib.2013.06.007

Paganelli, A., & Paganelli, A. (2017). The online embedded personal librarian approach to providing reference services via a course management system. Journal of Electronic Resources

Librarianship, 29(1), 54-60. doi:10.1080/1941126X.2017.1270105

Salazar, E. (2006). Content management for the virtual library. Information Technology & Libraries, 25(3), 170-175.

Search systems and finding tools. (2016). Library Technology Reports, 52(2), 17-22.

Tumbleson, B. E. (2016). Collaborating in research: Embedded librarianship in the learning management system. Reference Librarian, 57(3), 224-234. doi:10.1080/02763877.2015.1134376

Earlier Studies

- Bachowski, Donna. 2007. *Reference is dead! long live reference! huh? Information Technology* Vol. 53:33, A37.
- Bell, Steven J. 2007. Who needs a reference desk? Library Issues 27, (6) (07): 1-4.
- Brown, Elizabeth, Sarah Maximiek, and Erin E. Rushton. 2006. Connecting to students: Launching instant messaging reference at binghamton university. College & Undergraduate Libraries 13, (4) (12/20): 31-42.
- Carlson, Scott. 2007. "Are Reference Desks Dying Out?" Chronicle of Higher Education, (20 April)
- Ciocco, Ronalee, and Alice Huff. 2007. Mission im-possible. *Computers in Libraries* 27, (1) (01): 26-31.
- Courtois, Martin, and Maira Liriano. 2000. Tips for roving reference. *College & Research Libraries News* 61, (4) (04): 289.
- Desai, Christina M., and Stephanie J. Graves. 2008. Cyberspace or face-to-face: The teachable moment and changing reference mediums. *Reference & User* Services Quarterly 47, (3): 242-55..
- Forsyth, Ellen. 2009. Fancy walkie talkies, Star Trek communicators or roving reference? Australian Library Journal 58, (1) (02): 73-84.
- Granfield, Diane, and Mark Robertson. 2008. Preference for reference: New options and choices for academic library users. *Reference & User Services Quarterly* 48, (1): 44-53.
- Grassian, Esther, and Rhonda B. Trueman. 2007. Stumbling, bumbling, teleporting and flying ... librarian avatars in second life. *Reference Services Review* 35, (1) (02): 84-9. Selected bibliography. *Reference Services Review* 35, (1) (02): 90-7.
- Sarah, and Aaron Schmidt. 2005. Web-based chat VS. instant messaging. Online 29, (4): 26-30.
- Huwe, Terence K. 2007. In 2007, community-building tools rule. *Computers in Libraries* 27, (10): 31-3.
- — 2006. Social networking mixes the hip with the proven. *Computers in Libraries* 26, (10): 31-3.
- — 2003. Casting a wider net with roving reference. *Computers in Libraries* 23, (3) (03): 34.
- Kramer, Eileen H. 1996. Why roving reference: A case study in a small academic library. *Reference Services Review* 24, (3): 67.
- Leykam, Andrew, and Catherine Perkins. 2007. Is this the right tool for our library? A look at E-mail virtual reference use patterns. *Reference Librarian* 48, (1) (09): 1-17.
- Lorenzen, Michael. 2002. Roving reference: Management by wandering around: Reference rovering and quality reference service, <u>http://lorenzen.blogspot.com/</u>.
- *MLA News*: "Library and Information Science Education Meets Generation Next: Getting to know your new colleagues," February 2009: #413, 1, 14.
- Reichardt, Randy. 2008. How may I help thee? let me count the 2.0 ways.. Internet Reference Services Quarterly 13, (2) (04): 271-80.
- Rethlefsen, Melissa L. 2007. Product pipeline. *Library Journal* 132, (07/02): 14-6.
- Rothstein, Samuel. 1977. Across the desk: 100 years of reference encounters. *Canadian Library Journal* 34, (5) (10): 391-7.
- Schmidt, Aaron. 2006. Product pipeline. *Library Journal* 131, (01/16): 18-9.
- Smith, Michael M., and Barbara A. Pietraszewski. 2004. Enabling the roving reference librarian: Wireless access with tablet PCs. *Reference Services Review* 32, (3) (08): 249-55.
- Stephens, Michael, and Rachel Singer Gordon. 2006. IM = FASTER virtual reference on the cheap! *Computers in Libraries* 26, (4) (04): 36-7.
- Tolppanen, Bradley P. 2004. A survey of current tasks and future trends in access services. Journal of Access Services 2, (3) (07): 1-14.
- Weiss, Stephen C. 2003. The origin of library instruction in the United States, 1820-1900. *Research Strategies* 19, (3) (12/15): 233-43.