

information BULLETIN

Volume 44 Number 3

July 2013



Western Association of Map Libraries

“... to encourage high standards in every phase of organization and administration of map libraries ...”

The **Western Association of Map Libraries** is an independent association of persons. The Membership has defined its Principal Region for meeting locations as: the Provinces of Alberta and British Columbia, and the States of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming.

Membership in WAML is open to any individual interested in furthering the purpose of the Association, which is “to encourage high standards in every phase of the organization and administration of map libraries.” Membership includes receipt of all issues of the *Information Bulletin* and *Electronic News & Notes* (if an email address is provided), mail announcements of WAML meetings, voting privileges and receipt of WAML ballots.

Dues are US\$30 per year and all memberships begin July 1. You may join any time of the year by sending your name, address, phone, fax, email address and US\$30 to the WAML Treasurer at the address below. Make checks payable to “WAML” or the “Western Association of Map Libraries.” Lifetime membership is open to any individual for a one-time payment of US\$500. In addition to all membership privileges listed above, Lifetime Members also receive a copy of each volume published in the WAML Occasional Paper series. For more information about WAML, its purpose, meetings and membership, see the WAML Web site at <http://www.waml.org> or contact an officer listed below.

WAML and its *Information Bulletin* operate on a membership/volume-year basis. Subscriptions begin July 1 and end on June 30 the following year. Mid-year joiners/subscribers will receive back issues for that year. Back issues of the *Information Bulletin* are available for US\$10/volume, or portion thereof, from the Subscription Manager.

Subscriptions to the *Information Bulletin* are US\$35 per volume year. The *Information Bulletin* is issued three times each year: Issue #1 in November, Issue #2 in March, and Issue #3 in July. In addition to the subscription cost, US\$3 is charged for postage to Canada and US\$10 is charged for mailing to countries outside of the US and Canada.

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Western Association of Map Libraries

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Contribution Guidelines for News & Notes

News & Notes contains information on: Benchmarks (major events related to people or Map Libraries, specifically map library events in or about the principal region), Canadian News, Cataloging News, Conferences and Classes, Digital Spatial Data, Employment, General News, Internet Resources, New Publications and cartographic materials, Periodical Articles and news from US Federal, State and Local Government agencies related to map librarianship and the principal region. Submit items to the *News & Notes* Editor or the appropriate State or Province editor at any time for inclusion in WAML *News & Notes (N & N)*.

N & N is a bimonthly publication that is compiled and posted on the WAML web site at <http://www.waml.org>. The *N & N* Editor appreciates receiving contributions via e-mail, but will accept regular mail as well. Please flag time-sensitive items in the subject line. Back issues of *N & N* can be viewed on the WAML Web site. Selected *N & N* items also appear in the *Information Bulletin*. Potential sources for news items include: communication with colleagues, listservs (please acknowledge original author and list), Web sites (use search engines to search for maps, atlases, cartography, geospatial data, GIS and your state, county or city), automated notification services, journals and newspapers, vendor publisher and agency catalogs, newsletters and conference announcements.

N & N includes the regular feature "New Mapping of Western North America." Submit citations for new print and digital maps and atlases of the *Western United States and Canadian Provinces* to Ken Rockwell, New Mapping Editor. Include ordering information if possible.

Instructions for Authors

The Western Association of Map Libraries *Information Bulletin* publishes feature articles, photoessays, association business and selected news and notes related to all forms of cartographic information, including maps, spatial data, GIS, and all aspects of map librarianship. Articles are invited that will address the interests of the publications' audience. Individuals are encouraged to submit unsolicited articles for consideration.

Length: Articles should be submitted to the *Information Bulletin* Editor via email or on disk in either Microsoft Word or ASCII text format. Submissions should be accompanied by a printed copy which is no more than 20 double-spaced printed pages. Do not include any special formatting, such as page breaks and indentations in the article. Paragraphs should be separated by two line breaks. When submitting articles on disk, please note the author(s) name(s), the word processing program, a brief title of your article and the file name(s) on the disk. Cartographic information is, for the most part, a visual medium, so illustrations should be included whenever possible. Note the approximate location of illustrations by inserting a separate sentence in the text of the article:

Insert Figure 1 Here

The Editor will place the image based on the text flow and page layout of the article.

Illustrations: Illustrations and graphic material should be submitted in scanner-ready or computer-readable form (gif, jpg or tiff). If it is absolutely impossible to submit scanned images, photographic prints and photocopies may be submitted. *All* photocopies, even copies of black and white illustrations, should be copied on a color copy machine, as they have a higher resolution than standard black and white copiers. Tables should be word processed and saved as a separate file on the disk.

References: References should be included in the text in Author Date format (Jones, 1998). References Cited should be listed at the end of the article in a separate section titled **REFERENCES CITED**. Citations should be listed alphabetically and written in Author Date style. References to web sites should be written:

Author's Last Name, First Name, Month, Day & Year Updated. *Title of the web site*. <URL> (Date site accessed).

Author Information: The author should include a brief title before the text of the article. Information about the author(s) should also be included: author's name, position, address and e-mail address, if available.

Editing: The editors reserve the right to make minor copy-editing changes.

Acceptance of manuscripts: The WAML *Information Bulletin* editors reserve the right to accept or reject articles.

Book, Atlas & Media Reviews

Atlas and book reviews and reviews of digital cartographic products, software and data are welcome. Contact the Atlas & Book Review Editor or the *IB* Editor. For more information on atlas and book reviews, see the instructions for reviewers in the Book Review section of the *Information Bulletin*.

**Lists for 2013/14 Membership Year
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vacant



Past President's Message

John Ridener

I have been a WAML member for a few decades shy of many of its members. In the relatively short period of time I've been involved with WAML, I have learned more about map librarianship than I could have in any number of years in library school. I have found WAML members to be some of the most intelligent, thoughtful, and open folks I've ever encountered. I was interested in serving as President to give back to a group that has so graciously welcomed me and taught me so much in such a short time.

During my time as President, I changed jobs and focus from maps and GIS services and cataloging to purely digital collection development, mapping, and metadata. I went from being the GIS person in the library to being the library person in GIS. Since changing jobs, I have been unable to find any other professional organizations that have met my now even more unique professional needs. I think WAML presents the best possibility to be that group for myself and others who work with spatial data and metadata. As a small group of dedicated individuals, WAML provides a means to learn and participate in a unique context. WAML's deep well of institutional knowledge is a fantastic resource from which to draw. WAML has provided me with a meaningful education as a map librarian. I plan to continue working as a WAML member to share and enhance my understanding of geospatial information and metadata.

In order for WAML to successfully attract new members from more general GIS and geospatial information backgrounds, some changes need to occur within the organization. Those changes are already beginning to take shape. Increased GIS programming at conferences will provide attendees with ideas about what data to provide users and how that data is used. Creating a digital Information Bulletin will help the organization provide timely examples of members' work and give them an opportunity to share their work with an audience of their peers. The expansion of continuing education sessions to include a variety of approaches to geospatial data collection and use of a variety of geospatial data formats and metadata formats will give everyone an opportunity to apply the most useful aspects of this information to their own work.

At the WAML meeting in Yosemite, we'll be discussing what we want the future of WAML to be. As a preamble to that discussion, we conducted a survey of the membership in June. We hope that the survey results will help us begin to answer those key questions about changes within the organization. We've also begun to explore technology options for taking the Information Bulletin digital. With a robust history and the dedication of its members, the organization can make these changes and remain an active and vital professional organization. For me, the discussion about the future of WAML starts now.

New Frontiers for the *Information Bulletin*: Taking the *IB* Digital

by

Tom Brittnacher, Jon Jablonski, John Ridener and Michael Smith

The Changing Landscape

Since its founding, WAML has reflected the goals of its members and their professional mandates. Like its members, WAML has been a stable group, keeping up our work like we've kept maps in our collections: reliably, safely, and steadfastly. However, even the most resolute are required to adapt. Maps themselves have evolved from exclusively being stored in large, flat metal drawers to a shared space that includes both map case drawers and terabytes of data in the cloud. WAML needs to consider its future and conceptualize how to remain vital and play a role in the changing map and geospatial information space. Creating a digital IB is a significant part of this change.

Leading up to the WAML 2012 meeting in Honolulu, the Executive Board was informally aware of the need for changes to the Information Bulletin. As the IB indexing project caught up with the publication of the latest volume, it became clear that changes to the IB would need to happen sooner rather than later. The Executive Board discussed the need for change and decided to move forward and explore options to create a digital IB.

Currently, the IB is the main benefit of WAML membership. From hearing about other members' work, finding out more about how members have approached and completed projects, to offering a platform from which members can engage one another to share their own work, the IB has served as the main means of communication between WAML members. The IB has also been a means through which map and geospatial librarians can hone their ideas and writing for further expansion and publication. Given the unique issues that map and geospatial librarians encounter, the IB has proven to be a useful outlet for sharing work and ideas. Over the years, the IB has created a corpus of knowledge from which contemporary map and geospatial librarians can draw.

Much of the content in the contemporary IB comes from News and Notes and the New Mapping article. As both of these features are online, the IB is merely printing something that is already available electronically. Both of these features consist of information that is best served in a timely manner in order to be useful for members and other readers. The Executive Board discussed the possibility of separating News and Notes from the IB to allow timely information to be made available in a more up-to-the-minute way. Reinventing News and Notes as a blog, with posts that could be collected and published in a digital format was clearly the best way forward. Moving the shorter, more informational content to a separate News and Notes also allows for more long form articles in the IB.

As members know, mapping has undergone a digital revolution, with the pace only accelerating each day. Much of the most interesting and vital mapping happening today takes place online. Creating a digital IB allows WAML to fully participate in not only showcasing color maps and photographs, but also in the display of fully functional web maps, digital maps, and other types of media, including video and animations. While typing a URL into a browser is not difficult, launching a web map from within the publication is much more engaging.

There is also a strong financial motivation for moving to a digital format for the IB. Currently, at over \$1,000 per issue in production costs, the IB is the organization's most costly recurring expense. Even factoring the potential cost of web design and hosting, a digital IB alleviates a significant portion of this expenditure. Other library organizations such as the American Library Association's (ALA) Map and Geospatial Information Round Table (MAGIRT) and Library Information Technology Association (LITA) have made the transition from paper to digital publications and have saved thousands of dollars in production and postage costs.

While WAML's financial situation isn't nearly as problematic as MAGIRT's was a few years ago (see below), WAML's total financial assets have declined about \$10,000 since 2008 to about \$20,000. (A large portion of this expenditure has been the ongoing IB indexing project.) To improve the organization's bottom line, we have both increased membership fees and reduced honoraria. While the IB is sustainable at the present time, in the long term it could become a money drain if fees are not raised again.

Given the financial realities of the organization, the need to engage current members with technology we all use daily, and in the interest of engaging new members, the question for the Executive Board became not if the IB should become a digital publication, but when. While the format is changing, this is also a time to reflect upon the value of the IB and attract more members to share their work in the publication. During the WAML 2013 meeting in Yosemite, the membership will discuss what we want for the future of WAML. The Executive Board plans on a digital IB playing a vital role in establishing the next steps for the future of the organization.

How Do We Take the IB Digital?

If the IB is changing formats, the key question becomes, 'How will we do it?' Several methods are possible. The choices range from the simple (emailing a PDF to WAML members) to the complex (gathering, organizing, and delivering content using a journal content management system). Which further leads to questions about how easy the process is for authors, editors, distributors, and the webmaster. What are the costs associated with purchasing and maintaining necessary software and storage space? How well will the journal be protected and preserved?

As a step towards answering some of these questions, or at least understanding the options, the authors reviewed what our peer organizations have done, as well as studied various technologies that could be used to display and distribute an online journal.

The MAGIRT example

At the 2008 ALA Midwinter Conference in Philadelphia, the executive board of the Map and Geography Round Table (now the Map and Geospatial Information Round Table) voted to immediately suspend the printing of its newsletter, base line, and begin to host it on the MAGIRT website as an online publication. If this action was not taken MAGIRT's assets would have dropped into the red at some point that year, jeopardizing the future of the organization. Net assets at the time had dropped below \$3,000, the organization's smallest amount since 1986. In the 2006-07 fiscal year, assets declined by over \$3,000. Net assets had peaked in 1995 with over \$22,000, but beginning that year assets began a slow decline and by the end of the 2007 fiscal year assets had fallen nearly \$18,000 over that 12 year period. Immediate action needed to be taken.

The decline in assets can be attributed to several factors, all of which WAML is similarly facing; such as, rising printing and mailing costs for base line, membership dues not increasing enough to offset rising costs, declining membership and therefore fewer dues, and declining sales of other publications. Frankly, MAGIRT's past chairs and executive boards should have recognized the organization's declining finances long before 2008 and addressed the issues before it was nearly too late. (MAGIRT never considered other printers who might have offered lower rates, and base line was mailed 1st class, the most expensive postal rate.)

Even faced with these dire financial numbers there were still those within the round table who wanted to first try reducing costs in order to keep the newsletter in print. While this might have temporarily saved some money and allowed the newsletter to remain in print, eventually MAGIRT would have been faced with the same financial challenges. The decision to end the print publication and go digital not only kept MAGIRT from going into the red, but the financial savings have been enormous. It was reported as of the 2013 Annual Meeting that as of May 31, 2013 total net assets for MAGIRT were \$38,632, meaning that total income has been increasing about \$7,000 a year.

Various options were considered for presenting the newsletter online, such as making it viewable to just MAGIRT members, but it was decided to make it an open access publication. The format and content did not change. It appears exactly as it did in print, available as a PDF on the MAGIRT website. However, MAGIRT has added additional content on their website to complement the newsletter, such as a LibGuide for map and geospatial resources.

While providing access to a downloadable PDF from a website would be technically possible for WAML, we felt that exploration of more interactive, flexible, and efficient methods was warranted. To that end, the authors tested two software packages: WordPress and Open Journal Systems (OJS). Each provides different methods of content management, distribution, and maintenance. To demonstrate a final product, the contents from IB Volume 44 Number 2 (March 2013) were uploaded to demonstration sites in each software platform. The methods and results are presented below, as well as links to the sites' URLs.

The WordPress approach

WordPress is one web publishing option for the Information Bulletin. While there are no prominent scholarly journals published using the popular blogging platform, there are a number of emerging scholarly journal-like things that are. (See for example <http://ethnographymatters.net/> and

<http://www.darkmatter101.org/site/>) In fact, WordPress has moved beyond simply being a blog engine. It can now be considered a full-blown content management system.

During the spring of 2013, we experimented with mocking up a WordPress template to mimic the look and feel of the paper IB. The results are viewable at <http://www.whatsgrowing.com/innb1/>. WordPress, out of the box, creates two basic forms of web pages: posts and pages. Every post has a unique URL, and the blog's homepage displays a pre-determined number of posts in chronological order, with the most recent at the top. Built into the software are controls for archive frequency, URL styles, different post formats (such as image gallery and video post), and category and tag engines. Basically, in our mock IB each article is a blog post, and each issue is a page (see Figure 1).

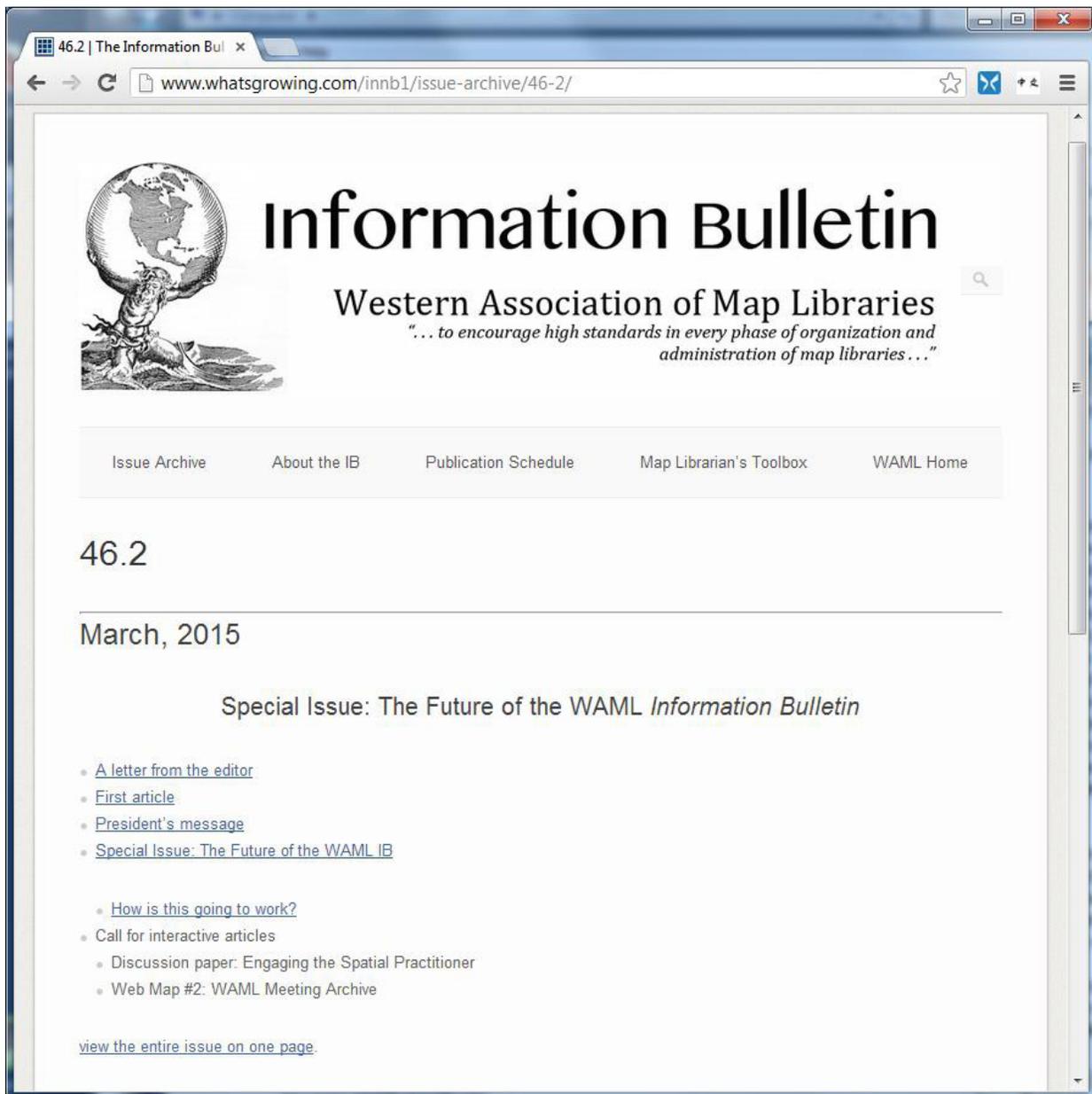


Figure 1: a possibility for a default entry point to a WordPress-driven Information Bulletin.

We bundled the posts into an issue by tying them together with the category engine. This is only one of a large number of options. If we choose, we could also create individual PDFs for each article--archivally locking the content into stable documents that would maintain their look and feel if we were to change layouts at a later date.

There are a number of advantages to converting the IB to a WordPress-based publication. It is free, and we have already determined that it is compatible with our web hosting services--so there is no need to contract with any third party to host our journal content. Because it can live with our host provider, we can automatically use the URL of our choice, be it www.waml.org/IB or www.waml.org/information_bulletin.

The WordPress platform is stable. Almost ten years old, it powers more than 60 million blogs, and 15% of the top 1 million websites (<http://en.wikipedia.org/wiki/WordPress> July 5, 2013). Even if WordPress goes away someday (and all technology must change), migrating is easy. Jon Jablonski has moved blogs between host providers AND between platforms (he switched his oldest blog from Blogger to WordPress during a period when it was getting more difficult to use Google services from behind the Great Firewall of China) at whatsgrowing.com. In his four years of experience with WordPress, upgrading the software has never been more than a five minute exercise.

If the current state of electronic journal publishing is to have individual articles as PDFs (that is certainly how most of us consume journals today), moving to a WordPress-based publication would allow us to skip ahead to the future of digital publishing. Having articles as posts or pages would allow us to link directly to objects held in our institution's digital libraries (see Figure 2) and experiment with embedding interactive maps into IB articles, as is now possible not only with the Google Maps API, but also with services such as Mapfluence, Leaflet, and Polymaps. And when we want to lock down content--either by restricting access to members and subscribers, or by locking content into an archival document like PDF, WordPress allows that too.

These advantages, when combined with many other features offered and under development by WordPress and its large user community, offer a compelling reason to consider WordPress as a viable publishing engine for our journal.

We are not the first organization to travel down this route. The Modern Language Association, to use one example of a humble, 30,000 member organization, recently developed the MLA Commons (<http://commons.mla.org/>) using Commons In A Box (CBOX). CBOX is a highly customized set of WordPress plugins that creates an organizational ecosystem on top of the basic WordPress package developed by the City University of New York. MLA Commons is an exploration of what might happen if you completely throw open the mechanics of the peer review and publication process. The social networking components of the service are open only to MLA members, but there are more than 90 blogs and an edited anthology of essays (including one on GIS in literary studies! <http://dlsanthology.commons.mla.org/gis-for-language-and-literary-study>) on the site open to all visitors. MLA Commons is a vote of confidence in the Open Access movement from an organization with a prestigious (and presumably lucrative) set of closed publications. We could do worse than to follow their example.

While it might seem that adopting this software to publish our Information Bulletin is going out on a

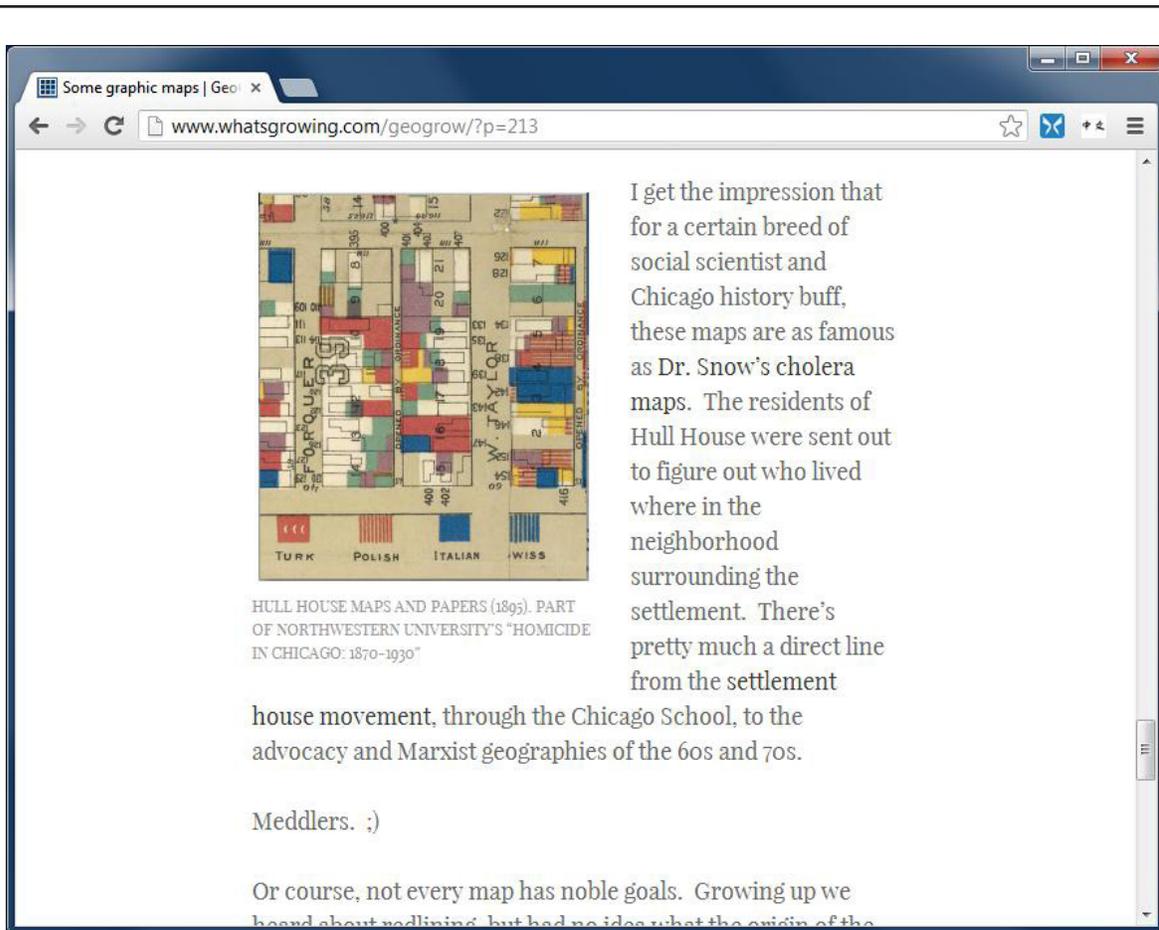


Figure 2: a blog post with embedded thumbnails linking to digital library content. <http://www.whatsgrowing.com/geogrow/?p=213>

limb, most of us also realize that the entire publishing enterprise is in a huge state of flux. WordPress offers us total control, so that no matter what happens, we can continue to manage our own content as we have done in the past.

The Open Journal Systems approach

In 1998, the Public Knowledge Project was started at the University of British Columbia (UBC), and out of that project the original version of OJS was launched in 2001. It has expanded into a partnership with Stanford University, the University of Pittsburgh, Simon Fraser University, the Ontario Council of University Libraries, and the California Digital Library. The project's focus is to explore the development of technologies that improve accessibility to scholarly research.

Open Journal Systems are web-based interfaces for managing, publishing and archiving professional journals. The OJS software is a basic platform on which users can build their own publications and manage their own content. As of October 2012, over 14,700 titles have been published around the world using OJS.

UBC, and more specifically the UBC Library, is playing an active role in the continuing development and maintenance of OJS. As a result, UBC faculty members who are editing open access journals

can use OJS software free of charge. Tom Brittnacher's dual role as UBC faculty and WAML IB editor would allow WAML to establish an online journal using OJS hosted at UBC for free. A contract does need to be signed, however. More information is available on their website: <http://ojs.library.ubc.ca/>

Without this arrangement, OJS can be downloaded for free; however, the installation, management, and maintenance would be entirely the responsibility of WAML members. Alternately, WAML could pay \$850 or \$1,500 per year (depending on the level of service) to have the Public Knowledge Project host the site, manage upgrades, and provide technical support. (This is still cheaper than the \$3000 per year that WAML spends to print and mail the paper edition.)

At this point, no contract has been signed between WAML and OJS. However, OJS has allowed WAML to create a demonstration site as a test of their software (see Figure 3). Keep in mind that the demonstration site is not fully configured; the look and feel can be altered to some extent, and more detailed information can be provided about the journal and organization. The site can be viewed at <http://ojs.library.ubc.ca/index.php/wamlib/issue/current>

The screenshot shows the home page of the WAML Information Bulletin. At the top left is a globe icon and the title "WAML Information Bulletin". Below this is a navigation menu with links: HOME, ABOUT, LOG IN, SEARCH, CURRENT, ARCHIVES, ANNOUNCEMENTS. The main content area displays "Home > Current > Vol 44, No 2" and "Vol 44, No 2" followed by "March 2013". A "Table of Contents" section lists "Articles" and "Book Reviews".

Articles:

- "Digging" Through Our Mining Maps: How We Improved Accessibility [PDF HTML](#)
Ilene Raynes
- A Summary of Geospatial Initiatives in the University of Utah's Marriott Library [PDF HTML](#)
Ken Rockwell, Anne Morrow
- Richard Soares 1954 -- 2013 [PDF](#)
Joe Crofts

Book Reviews:

- Atlas of Yellowstone [PDF](#)
Tamsen Hert
- Disease Maps: Epidemics on the Ground [PDF](#)
Julia Gelfand
- The Maps of Antietam: An Atlas of the Antietam (Sharpsburg) Campaign, Including the Battle of South Mountain, September 2-20, 1862 [PDF](#)
Scott R McEathron

New Mapping of Western North America:

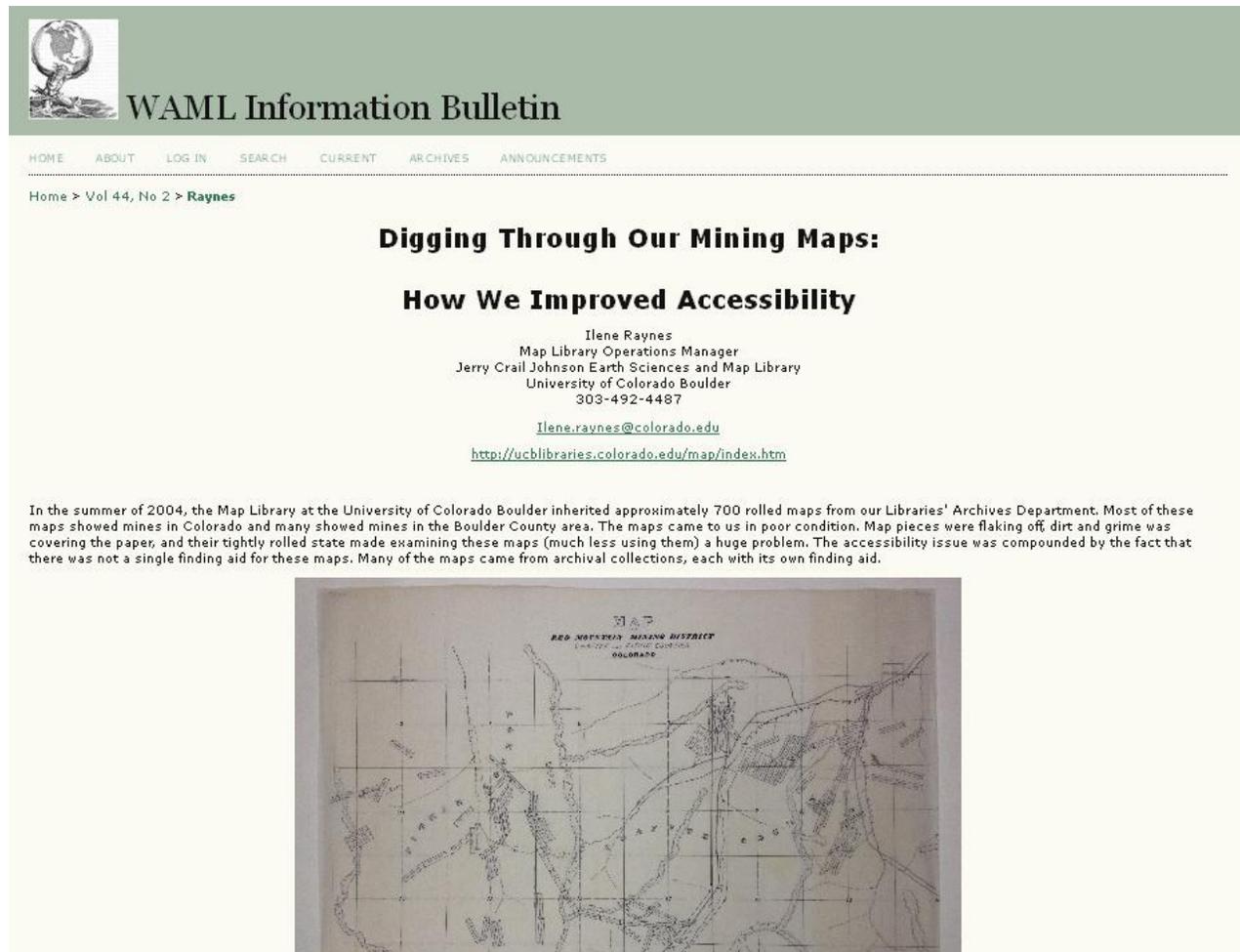
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Ken Rockwell
- New Mapping - February 2013 [PDF](#)

The right sidebar contains "Journal Help", "SUBSCRIPTION" (Login to verify subscription), "USER" (Username: tomb, Password: [masked], Remember me checkbox, Log In button), "NOTIFICATIONS" (View, Subscribe / Unsubscribe), "JOURNAL CONTENT" (Search box, dropdown menu, Search button), "Browse" (By Issue, By Author, By Title, Other Journals), and "FONT SIZE" (A⁻, A, A⁺ buttons).

Figure 3: the home page of the sample WAML issue.

The OJS software allows for customization of a graphic header and some layout, but for the most part, a journal will have a similar layout as the demonstration site. WAML will not need to spend much time and money customizing the graphic layout of the site. WAML will, however, need to spend time developing content to describe the journal and organization before the first edition is published.

Each article can be accessed as a PDF document or HTML page. The HTML version looks very similar to a blog post, with images imbedded in the article (see Figure 4).



The screenshot shows the WAML Information Bulletin website. At the top left is a logo of a globe with a magnifying glass. The title "WAML Information Bulletin" is prominently displayed. Below the title is a navigation menu with links: HOME, ABOUT, LOG IN, SEARCH, CURRENT, ARCHIVES, ANNOUNCEMENTS. The breadcrumb trail reads "Home > Vol 44, No 2 > Raynes". The main heading of the article is "Digging Through Our Mining Maps: How We Improved Accessibility". The author is listed as Ilene Raynes, Map Library Operations Manager at the University of Colorado Boulder. Contact information includes an email address and a URL. The article text begins with a paragraph about the Map Library at the University of Colorado Boulder inheriting 700 rolled maps in 2004. An image of a historical mining map is included at the bottom of the article preview.

Figure 4: sample HTML version of an article.

As a journal content management system, OJS provides a systematic workflow to collect, organize, edit, update, format, and publish content. Content works its way through a series of steps from the time an author uploads an article until the article becomes a published item within a journal edition. Although the software is designed for more complex, peer-reviewed, multi-editor publications with many more steps than is necessary for WAML, steps can be bypassed if they are not applicable. There can be any number of section editors to manage content as it goes through the process.

The entire process is documented so that editors know at all times the status of every bit of content. The workflow is set up in advance, at which time such things as email notifications to authors and

editors for reminders and status updates can be pre-formatted (or not used at all).

As part of the workflow, steps are in place to manage the peer-review process for articles. The steps can be customized during the initial setup of the journal. Or they can be ignored altogether.

In the event that WAML would like to embargo editions for a certain period of time, OJS allows an embargo end date to be set. Until that date, access will be limited to subscribers only.

Understanding the software's complexities will take time for new users. However, the process is straightforward and logical, and is supported by documentation. Initial setup time is required for adding journal and organization descriptions, disclaimers, instructions for authors, and other official text. Once the setup is complete, very little work is required to publish a new edition outside of managing the content. The result is a professional-looking online journal with links to full descriptions of the organization and publication philosophy, as well as background and contact information.

Subscriptions can also be handled by OJS. IP address ranges can be used to identify subscribing libraries so that they don't have to use a username and password to access the embargoed edition(s). This will allow WAML to control access to paid members and subscribers during embargo periods. It does, however, require someone to maintain the OJS database of valid accounts. (Although this is probably true of any method that is chosen.)

Overall, OJS provides a professional-looking format within a well-organized content management system. Software maintenance and data storage would not be the responsibility of WAML members. Although perpetual access to past electronic journals is never fully guaranteed, the university backing of OJS ensures a reasonable expectation of the IB's long-term storage and retrieval. And the IB could be created and maintained within OJS for free.

The Next Steps

Regardless of the software chosen to publish an electronic IB, a new ISSN will be required. The application process may take some time, and ideally, the new ISSN should be available for the first electronic edition. Given this factor, and the setup time required for a new format, it is reasonable to estimate that the first electronic edition will not appear until Volume 46 No. 1 (November 2014).

The roles of Editor, Production Editor, Subscriptions Manager and Membership Manager will all change with a new publication workflow. Consideration should be given to how these roles will change and how workloads will be managed with any technology that is considered. It is vital that we maintain the stability of the publication by choosing a technology that is sustainable and easily learned when new members assume the roles.

The next step is to determine which platform best meets WAML's needs. Is a WordPress content management system the best way to present a variety of cartographic media? Does OJS provide the journal-style publication that best represents what a digital IB should be? We'd like your feedback! Please send your thoughts and comments to the authors.

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WAML 2013 Futures Survey Results and Comparison with Previous Surveys

by
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Below are the results of the WAML 2013 Futures Survey. The survey was conducted over a 19-day period from Monday, May 27 through Friday, June 14, 2013. There were 33 responses, or roughly 31% of the WAML membership.

The survey responses are shown in comparison with previous surveys. Questions 1 through 20 are compared with the 2009 WAML Futures Survey (where applicable); there were 43 responses to the 2009 survey. Questions 21 through 31 are compared with the 2008 WAML Futures Survey, of which there were 59 responses. While most of the questions duplicate those of the previous surveys, a few questions were added that are pertinent to current discussions within WAML.

In the interest of space and anonymity, written answers to open-ended questions have been summarized. Written answers are only included for the 2013 survey, unless there was a significant difference in responses as compared to the previous surveys. The Executive Board has received a complete copy of all text responses.

1) Check the areas in which you believe WAML excels. (Choose all that apply.)

	2013		2009	
Networking	29	88%	41	95%
Keeping me up to date with profession	29	88%	32	74%
Providing information I can use at work	22	67%	31	72%
Promote map libraries/librarianship	17	52%	28	65%
Keeping my skills up to date	9	27%	10	23%
Giving me an avenue to publish	9	27%	11	26%
Other	1	3%	1	2%

2) For any of the areas above, please give us feedback as to how WAML could improve.

General:

- Promote our profession and its values to academic/library administrators in light of disappearing map librarian positions

Meetings/Information:

- Have more hands-on geospatial-related workshops/training at meetings
- Provide more information about collecting digital cartographic materials (GIS data, LiDAR, etc.), and curating and delivering digital information
- Provide more resources and training for (part-time/new) map librarians
- Include more current information and support for learning new technologies or techniques

Information Bulletin:

- Digitize past issues of the *IB* and other publications for open access
- Provide more how-to articles

3) Given the changes in map librarianship toward digital maps, GIS, and geospatial data, do you feel that WAML needs to change its name?

	2013	
Yes	7	21%
No	14	42%
Not Sure	12	36%

4) If the WAML name were to change, do you have any suggestions?

- WCIA – Western Cartographic Information Association
- WCRA – Western Cartographic Resources Association
- WAGML – Western Association of Geospatial and Map Libraries
- GIS-W – Geospatial Information Society of the West

5) Rank in order from 1 to 5 the reasons you attend a WAML meeting. (Only the top 3 shown)

Field trips and location scored high for reasons no. 4 and 5.

	No. 1 Reason		No. 2 Reason		No. 3 Reason	
	2013	2009	2013	2009	2013	2009
Networking*	19	--	7	--	0	--
Career development	4	11	5	8	2	4
Field trips	1	1	1	1	2	5
For fun	2	1	3	1	1	1
Funding	0	0	0	0	3	1
Location	0	2	6	4	4	7
Programs	6	12	8	14	13	5
Workshops	1	2	3	7	8	11
Other	2	6	0	1	0	2

*not asked in 2009, but was listed under "Other" 11 times, so was included in 2013

	No. 1 Reason		No. 2 Reason		No. 3 Reason	
	2013	2009	2013	2009	2013	2009
Networking*	58%	--	21%	--	0%	--
Career development	12%	30%	15%	22%	6%	11%
Field trips	3%	3%	3%	3%	6%	14%
For fun	6%	3%	9%	3%	3%	3%
Funding	0%	0%	0%	0%	9%	3%
Location	0%	5%	18%	11%	12%	19%
Programs	18%	32%	24%	38%	39%	14%
Workshops	3%	5%	9%	19%	24%	30%
Other	6%	16%	0%	3%	0%	5%

*not asked in 2009, but was the primary answer for "Other" so was included in 2013

6) If you chose "Other" in Question 5, please put response here:

- Can't/don't attend WAML conferences

7) We would like to make the field trips as useful and fun as possible. What are the deciding factors as to whether or not you attend the field trip? (Choose all that apply.)

	2013		2009	
Location	21	64%	32	86%
Cost	18	55%	18	49%
Length of the outing	15	45%	15	41%
Program	14	42%	26	70%
Chance to network with peers	12	36%	22	59%
Other	6	18%	6	16%

If you selected other, please specify

- Physical challenge (walking, hiking)
- Length of time available for conference trip

8) Have you had or do you foresee a reduction in your travel funds in the next few years?

	2013		2009	
Yes	7	21%	33	79%
No	17	52%	9	21%
Not Sure*	9	27%	--	--

*not asked in 2009

9) Are you funded to go to WAML or do you pay for it yourself?

	2013		2009	
Fully funded by my organization	6	18%	5	14%
Partially funded by my organization	17	52%	20	54%
I pay my own way to go	8	24%	12	32%
Other	2	6%	16	43%

If you selected other, please specify

- Varies; depends on organization's available funding and the conference's cost above that cap

10) Do you find the following WAML publications important to you?

	2013				2009			
	Yes	No	Yes	No	Yes	No	Yes	No
Information Bulletin	29	3	91%	9%	40	1	98%	2%
New Mapping Update	16	12	57%	43%	24	11	69%	31%
News and Notes	30	1	97%	3%	40	2	95%	5%
WAML Web site	27	2	93%	7%	35	5	88%	13%

11) What sections of the *Information Bulletin* (IB) do you read?

	2013				2009			
	Yes	No	Yes	No	Yes	No	Yes	No
Articles	30	0	100%	0%	38	2	95%	5%
Book reviews	28	1	97%	3%	35	5	88%	13%
Meeting notes	21	6	78%	22%	34	3	92%	8%
New mapping	20	9	69%	31%	24	11	69%	31%
News & Notes	23	5	82%	18%	36	1	97%	3%

12) WAML will be transitioning the IB to an online-only format soon. How do you think access to the online IB should be controlled?

	2013	
All issues available to members and subscribers only	4	12%
Current issues available to members and subscribers only, older issues available to anyone	14	42%
All issues available to everyone	12	36%
Other	3	9%

If you selected other, please specify

- One-year embargo
- Depends on the importance of subscription income
- Logins and passwords don't work for library subscriptions – if used, then no embargo

13) When the online version of the IB begins publication, do you think the name should be changed?

	2013	
Yes – change the name	1	3%
No – keep <i>Information Bulletin</i>	17	52%
Not Sure	15	45%

14) If you think the name of the IB online version should be changed, do you have any suggestions for a new name?

- Cartographic Information Bulletin
- Depends on new name of organization

15) Would you like to see the IB become peer-reviewed?

	2013	
Yes	8	25%
No	11	34%
Not Sure	13	41%

16) Do you have suggestions for how to improve the Information Bulletin?

Comments about peer-review

- May not get enough articles if peer reviewed
- May be competing with Journal of Map & Geography Libraries; field cannot support another
- We may lose all of our library subscriptions
- Perhaps have a combination of peer-reviewed and not reviewed articles
- At least partially peer-reviewed journal would raise its status
- It may be difficult to get enough volunteers to review articles
- It's hard enough to get articles now

Comments about content:

- More timely and dynamic content, including multimedia and web maps
- More articles

17) Are you required to write and publish in a map/geography/GIS journal for your tenure or continuing appointment?

	2013		2009	
Yes	11	33%	10	24%
No	21	64%	31	76%
Not Sure*	1	3%	--	--

*not asked in 2009

18) How often do you go to the WAML web site?

	2013		2009	
Weekly	1	3%	3	8%
Monthly	16	48%	23	58%
Quarterly	9	27%	9	23%
Yearly	6	18%	5	13%
Never*	1	3%	--	--

*not asked in 2009

19) Why do you go to the WAML website? (Choose all that apply.)

	2013		2009	
To find the name of an officer	16	48%	17	43%
To find out about the next meeting	25	76%	33	83%
To look for information on Map Librarian's Toolkit page	25	76%	31	78%
To search for or add info to the scanning registry	3	9%	6	15%
To access News & Notes	12	36%	24	60%
To look at the jobs blog*	--	--	1	3%
Other	3	9%	3	8%

*not applicable in 2013

If you selected other, please specify

- Contact information of officers
- Information on past meetings

20) Do you have suggestions about how to improve the WAML website?

- Update the look
- Move to content management system that allows for multiple authors and dynamic content
- Better indexing/organization of content
- Layout of Map Librarian's Toolkit needs revamping

21) In Fall 2008, we conducted an employment survey of WAML members. The remaining questions duplicate that survey so we can see how our membership has changed over the last five years.

In what type of library do you work?

	2013		2008	
Academic Library	29	91%	50	85%
Special Library	0	0%	3	5%
Public Library	0	0%	1	2%
Historical Society/Museum	0	0%	1	2%
Other	3	9%	4	7%

If you selected other, please specify

- Federal government
- Retired
- Private company

22) What is your job title?

In 2008 there were 59 responses and very few similar responses; in 2013 there were 30 responses and no two titles alike. In summary, common words were:

	2013		2008	
Librarian	21	70%	42	71%
Map(s)/Cartographic	13	43%	24	41%
Head/Director	7	23%	10	17%
GIS/Geospatial	6	20%	7	12%
Catalog(ing/er)	3	10%	7	12%
Reference	0	0%	6	10%
Government Documents	0	0%	7	12%

23) Think about your average work week. How much of your time do you spend doing tasks related to the management of the following collections?

	2013					2008				
	None	1/4 or less	1/4 - 1/2	1/2 - 3/4	3/4 - full	None	1/4 or less	1/4 - 1/2	1/2 - 3/4	3/4 - full
Paper map collection	8	16	2	3	1	9	26	11	6	0
Atlas collection	11	17	0	1	0	23	24	2	0	0
Digital map collection	10	13	4	1	0	22	20	3	1	1
Air photo collection	14	10	3	2	0	22	17	5	1	2
Imagery collection	20	6	0	1	0	30	13	2	0	1
GIS data collection	13	8	5	1	1	31	12	3	0	1
GIS services	11	12	1	3	1	31	12	3	1	2
Gov't docs (not maps)	19	8	1	0	0	25	14	1	2	5
Geography collection	15	9	4	1	0	30	17	0	0	0
Geology collection	17	8	1	2	0	30	15	2	0	0
Other	7	1	2	0	2	0	16	0	0	0

	2013					2008				
	None	1/4 or less	1/4 - 1/2	1/2 - 3/4	3/4 - full	None	1/4 or less	1/4 - 1/2	1/2 - 3/4	3/4 - full
Paper map collection	27%	53%	7%	10%	3%	17%	50%	21%	12%	0%
Atlas collection	38%	59%	0%	3%	0%	47%	49%	4%	0%	0%
Digital map collection	36%	46%	14%	4%	0%	47%	43%	6%	2%	2%
Air photo collection	48%	34%	10%	7%	0%	47%	36%	11%	2%	4%
Imagery collection	74%	22%	0%	4%	0%	65%	28%	4%	0%	2%
GIS data collection	46%	29%	18%	4%	4%	66%	26%	6%	0%	2%
GIS services	39%	43%	4%	11%	4%	63%	24%	6%	2%	4%
Gov't docs (not maps)	68%	29%	4%	0%	0%	53%	30%	2%	4%	11%
Geography collection	52%	31%	14%	3%	0%	64%	36%	0%	0%	0%
Geology collection	61%	29%	4%	7%	0%	64%	32%	4%	0%	0%
Other	58%	8%	17%	0%	17%	0%	100%	0%	0%	0%

24) According to your job description, what is your primary focus or what should you be spending the majority of your time doing?

There were 27 responses. The most common activity types are:

- Collection management/development (maps, GIS, air photos, geography)
- Reference of any type

More specifically, common activities are:

- Map collection management/development
- Map reference
- Map library management
- GIS collection management/development
- Cataloging
- Liaison/outreach

25) How often do you engage in the following activities on the job?

	2013			
	Daily	Weekly	Monthly	Yearly
Collection development	17%	50%	13%	7%
Cataloging	23%	7%	20%	10%
Reference	55%	21%	7%	3%
Instruction	10%	10%	52%	7%
Web page creation/maintenance	0%	20%	40%	17%
Research/writing	7%	23%	20%	33%
Managing a GIS lab	7%	7%	3%	3%
Digitizing content	3%	13%	10%	27%
Committee/organizational work	27%	43%	27%	0%
Administration of a unit	45%	7%	7%	3%
Supervise staff/student workers	53%	13%	7%	10%

	2008			
	Daily	Weekly	Monthly	Yearly
Collection development	13%	25%	35%	23%
Cataloging	40%	30%	10%	22%
Reference	14%	73%	19%	2%
Instruction	21%	13%	21%	42%
Web page creation/maintenance	23%	8%	22%	24%
Research/writing	17%	6%	19%	26%
Managing a GIS lab	80%	4%	6%	2%
Digitizing content	47%	6%	6%	11%
Committee/organizational work	3%	18%	53%	20%
Administration of a unit	38%	44%	6%	4%
Supervise staff/student workers	17%	58%	13%	0%

26) Think of your organization as a whole. Somewhere in it, are GIS services and/or data provided to users?

	2013		2008	
	Count	Percentage	Count	Percentage
Yes	26	90%	39	80%
No	3	10%	10	20%

27) Are the following components of a geospatial program offered at your institution?

There were issues with this question in both 2008 and 2013. In 2008, there were differences between the original question options and the options that appear in the survey results. Consequently, the 2013 survey question (which was taken from the original 2008 question list) does not align with the 2008 results. Also, a mistake in coding this question in 2013 resulted in respondents being able to select only one option rather than multiple choices. Due to these issues, only the raw numbers are provided here.

	2013			
	Yes, under my supervision	Yes, outside my supervision	No, service not offered	I don't know
Computer(s) loaded with GIS software	10	16	1	1
Data available for users	14	9	3	2
Web pages with info about services	14	8	4	1
Staff trained to help users learn software	6	13	7	1
Staff trained to help users manipulate data	6	11	8	1
Staff trained to make maps for users	4	7	14	2
Plotters for large format output of maps	6	13	8	1
Workshops to learn new skills	2	7	17	2
Classes (over days or weeks) to learn skills	1	11	12	3

	2008				
	Yes, under my supervision	Yes, not under my supervision, but within the library system	Yes, not under my supervision, but within the institution	No, service not offered	I don't know
Computer(s) loaded with GIS software	15	12	25	2	1
Data available for users	18	13	16	1	3
Web pages with info about services	18	13	14	1	6
Staff trained to help users learn software	9	6	17	8	6
Staff trained to help users manipulate data	6	6	15	12	6
Staff trained to make maps for users	3	3	11	16	10
Plotters for large format output of maps	7	9	17	8	3
Workshops to learn new skills	4	6	13	10	11
Classes (over days or weeks) to learn skills	0	4	24	8	5

28) Has your job changed during the past five years? If yes, what are the changes that have occurred?

Of 20 responses, the most common changes are:

- The increase of digital and decrease of paper
- More GIS use/services
- Higher responsibility – more administration/management duties
- More responsibility due to staff cuts/freezes or budget cuts, including:
 - More liaison subject areas
 - A wider range of tasks/areas of responsibility within maps/GIS
 - More responsibilities outside of core map/GIS services

29) Do you feel well-equipped to handle the changes happening in your position/job?

	2013		2008	
	Count	Percentage	Count	Percentage
Yes	23	82%	33	67%
No	5	18%	16	33%

30) Look at the following list of skill sets. Check the amount of training you believe you need to be effective in your current position.

	2013			2008		
	N/A or I'm already trained	I have training, but I could use more	I have no training and need to learn this	N/A or I'm already trained	I have training, but I could use more	I have no training and need to learn this
Purchasing paper/digital maps	22	6	2	34	10	4
Purchasing aerial photography	19	5	3	31	11	7
Purchasing/accessing imagery	13	9	5	20	15	11
Web page creation/maintenance	13	15	1	19	24	7
Using GIS software	9	19	0	9	29	12
Providing map reference	26	4	0	36	11	4
Providing GIS reference	9	18	1	15	21	13
Providing support for Google Earth	7	14	8	11	16	22
Providing support for map mash-ups	5	9	15	6	10	31
Cataloging	16	9	2	29	14	3
Managing digitization projects	11	12	5	16	17	15

	2013			2008		
	N/A or I'm already trained	I have training, but I could use more	I have no training and need to learn this	N/A or I'm already trained	I have training, but I could use more	I have no training and need to learn this
Purchasing paper/digital maps	73%	20%	7%	71%	21%	8%
Purchasing aerial photography	70%	19%	11%	63%	22%	14%
Purchasing/accessing imagery	48%	33%	19%	43%	33%	24%
Web page creation/maintenance	45%	52%	3%	38%	48%	14%
Using GIS software	32%	68%	0%	18%	58%	24%
Providing map reference	87%	13%	0%	71%	22%	8%
Providing GIS reference	32%	64%	4%	31%	43%	27%
Providing support for Google Earth	24%	48%	28%	22%	33%	45%
Providing support for map mash-ups	17%	31%	52%	13%	21%	66%
Cataloging	59%	33%	7%	63%	30%	7%
Managing digitization projects	39%	43%	18%	33%	35%	31%

31) Thank you for your participation. We welcome additional comments.

All comments have been passed on to the Executive Board. A few respondents expressed concern about the organization's changes away from maps or towards web-based information. In 2008, the main concerns were whether or not to hold only one meeting per year and the lack of participation in the scanning registry.

There will be much to discuss at the meeting in Yosemite this fall. Thank you again for your input through this survey.

The WAML 2013 Futures Survey committee:

Tom Brittnacher

Tami Morse

Kathy Stroud

Reviews of Atlases, Books and Digital Resources

edited by

Ilene Raynes

University of Colorado Boulder

Esri. **Mapping the Nation: Pioneering a New Platform for Government.** Redlands, Calif.: Esri Press, 2013. 108 p. \$19.95. OCLC: 795758542. ISBN: 978-1-58948-334-7

In 2011, the GIS technology and services provider Esri published *Mapping the Nation: GIS for Federal Progress and Accountability*. This work offered readers a richly illustrated overview of the varied ways governmental organizations and agencies use GIS data to support daily operations as well as special projects. *Mapping the Nation: Pioneering a New Platform for Government* presents similar content in a slightly different format, namely, by organizing essays and images according to federal agencies utilizing GIS information (e.g., US Department of Agriculture, US Department of Homeland Security) as opposed to the broader themes used to divide chapters in the earlier book (e.g., “Land and Natural Resources,” “Law Enforcement, Public Safety, and Homeland Security”).

This shift in organization between publications indicates a shift in focus. In the earlier book, GIS data and its many

uses to support problem solving across numerous administrative areas as well as to enable transparency and accountability at the federal level received primary emphasis. Textual exposition explained what was significant about the GIS images provided. In *Mapping the Nation: Pioneering a New Platform for Government*, on the other hand, GIS data use and application by specific government entities is the main focus. Greater government transparency and accountability still receive a lot of attention here, but as outcomes of innovations in GIS technology as opposed to goals in and of themselves. The GIS imagery included throughout has been produced by specific agencies, and accompanying texts indicate how these images and the data they yield have been used to address unique problems such as facilitating veterans’ access to services and analyzing the potential impact of wind farms in certain locations.

Of course, Esri suggests that one way to meet such challenges is to create better tools, such as their own ArcGIS software which facilitates GIS data storage, access and analysis across multiple platforms. Notable features of this product

include cloud storage of GIS data and retrieval of this data by means of mobile devices. It also allows for governments to share information with citizen stakeholders who can assess data and provide feedback about federal services and decision-making processes supported by GIS information.

Readers might expect that a book produced by a major GIS vendor would promote products and services offered by the party responsible for its content. And this work fulfills that expectation, especially in respect to the emphasis placed on Esri’s ArcGIS software platform. But *Mapping the Nation: Pioneering a New Platform for Government* also raises relevant questions about how to better leverage GIS data in more dynamic and collaborative ways for the purpose of solving profound human interests such as food and water security, infrastructure sustainability, disaster relief, and counterterrorism efforts.

This edition of *Mapping the Nation’s* signature virtues are its lavish illustrations and its organization of GIS images by federal agency, making it a handy guide to

specialized applications of GIS technologies at the federal level. In addition, the concluding Credits section includes citations and links to the projects from which the book's contents have been pulled. Librarians interested in adding it to their collections might review the Eris website to see what kind of information is available before committing to buying it. Even so, its agency-specific content dramatically shows how GIS data accessible across multiple platforms can be shared among several organizations and the public to provide groundbreaking solutions to pressing sustainability and security issues.

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New Mapping of Western North America

compiled by

Ken Rockwell

University of Utah Library Catalog Department

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- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Neptune, Lane County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Lane-01, pub. 2013. OCLC: 842068130
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Newport North, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-06, pub. 2013. OCLC: 843117678
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Newport South, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-07, pub. 2013. OCLC: 843117793
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Ocean Shores, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-14, pub. 2013. OCLC: 843469292
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Otter Rock-Beverly Beach, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-05, pub. 2013. OCLC: 843114962
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Reedsport, Douglas County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Doug-04, pub. 2013. OCLC: 842297285
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Seal Rock, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-10, pub. 2013. OCLC: 843451774
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Siltcoos Lake, Douglas County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology

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- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Siltcoos Lake, Lane County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Lane-08, pub. 2013. OCLC: 842248502
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Sulphur Springs, Douglas County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Doug-07, pub. 2013. OCLC: 843767911
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Tidewater, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-13, pub. 2013. OCLC: 843466933
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Tiernan-Mapleton, Lane County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Lane-06, pub. 2013. OCLC: 842157884
- Oregon Dept. of Geology and Mineral Industries. Tsunami inundation maps for Toledo, Lincoln County, Oregon. 1 CD-ROM with 2 maps, input scale 1:10,000. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, TIM-Linc-08, pub. 2013. OCLC: 843118882
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- Pardee, J. T. Preliminary geologic map of the Sumpter quadrangle, Oregon. 1 map on 1 CD-ROM, input scale not given. Portland, Or.: Oregon Dept. of Geology and Mineral Industries, Quadrangle map no. QM-8, pub. 2012. OCLC: 830377154

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Borch GmbH. Northwest-USA 1, Pacific Northwest 1:3 000 000: Pacific Northwest, Yellowstone Nat'l. Park, Portland, Seattle & Region, Greater Seattle, Seattle, Denver & Region, Salt Lake City & Region, San Francisco & Region, San Francisco Bay Area, San Francisco ; updated, durable, water-repellent, write-on/wipe-off surface. 1 map, scale 1:3,000,000. Hauen-

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National Geographic Maps (Firm). Capitol Reef National Park. 1 map, scale ca. 1:75,000. Evergreen, Colo.: National Geographic Society, Trails Illustrated topographic maps no. 267, pub. 2013. ISBN: 9781566956703; OCLC: 829236562

National Geographic Maps (Firm). Moab north, outdoor recreation map, Utah, USA: rated mountain bike trails, highlighted 4WD trails, Arches National Park, road and trail mileage, enhanced Moab / Slickrock / Monitor Butte

detail map. 4 maps on 1 sheet, scale ca. 1:70,000. Evergreen, Colo.: National Geographic Society, Trails Illustrated topographic maps no. 500, pub. 2012. ISBN: 9781566953054; OCLC: 829102519

National Geographic Maps (Firm). Moab south, outdoor recreation map, Utah, USA: rated mountain bike trails, highlighted 4WD trails, Canyonlands White Rim, road and trail mileage, enhanced Moab / Poison Spider Mesa detail map. 2 maps on 1 sheet, scale ca. 1:70,000 and 1:35,000. Evergreen, Colo.: National Geographic Society, Trails Illustrated topographic maps no. 501, pub. 2012. ISBN: 9781566953566; OCLC: 829102929

National Geographic Maps (Firm). Zion National Park. 1 map, scale ca. 1:37,000. Evergreen, Colo.: National Geographic Maps, Trails Illustrated map 214, pub. 2012. ISBN: 9781566952972; OCLC: 840129348

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U.S. Bureau of Land Management, Utah State Office. Utah

recreation: destinations and campgrounds. 1 map, scale approximately 1:600,000. [Salt Lake City, Utah: U.S. Bureau of Land Management, Utah State Office, pub. 2012. OCLC: 829057748

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Adventure Cycling Association. Bicycle touring map: Washington Parks ... Elma, Wa to Sedro-Wooley, WA. 1 map in 29 segments on 2 sheets, scale ca. 1:247,600. Missoula, Mont.: Adventure Cycling Association, pub. 2010. ISBN: 9780935108842 (section 1) and 9780935108859 (section 2); OCLC: 840879867

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Polenz, Michael. Geologic map of the Brinnon 7.5 minute quadrangle, Jefferson and Kitsap Counties, Washington. 1 map, scale 1:24,000. Olympia, Wash.: Division of Geology and Earth Resources, pub. 2012. OCLC: 829057825

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to the best 347 roads in Washington State: companion map. 1 map, scale ca. 1:500,000. Vancouver, B.C.: Twisted Edge Pub., 2nd ed., pub. 2011. ISBN: 9780968432853; OCLC: 838412415

Washington (State). Department of Fish and Wildlife. Historical change and impairment of Puget Sound Shorelines: atlas and interpretation of Puget Sound Nearshore Ecosystem Restoration Project change analysis. 1 atlas (289 p.), scales differ. Olympia, Wash.: Washington State Dept. of Fish and Wildlife ; Seattle, Wash. : U.S. Army Corps of Engineers, Puget Sound nearshore report no. 2011-01, pub. 2011. OCLC: 839277690. Web access: <http://www.digitalarchives.wa.gov/Record/ViewMedia/7461EE8569F33FC79C45B273438797F7>

WESTERN CANADA

International Travel Maps (Firm). Western & northern Canada: British Columbia, Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories, Nunavut : travel atlas. 1 atlas (iii, 157 pages), scales differ. Vancouver, B.C.: ITMB Publishing Ltd., pub. 2012. ISBN: 9781553410898; OCLC: 829057751

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Kenlan, Kristin. Spotter's

guide to roadside pullouts: Yellowstone National Park, Soda Butte to Blacktail. 1 pictorial map, scale not given. Printed on silk by Kristin Kenlin, pub. 2010. OCLC: 830049566

National Geographic Maps (Firm). Greater Yellowstone Region: Idaho, Montana, and Wyoming including Yellowstone and Grand Teton National Parks : Geotourism MapGuide. 1 map, scale 1:800,000. Evergreen, Colo.: National Geographic Maps, pub. 2012. OCLC: 844764344

National Geographic Maps (Firm). Mammoth Hot Springs, Yellowstone National Park, NW, Wyoming/Montana, USA: 1:70,000 scale, trail mileage, backcountry campsites, Yellowstone River, Norris Geysers Basin. 1 map, scale ca. 1:70,000. Evergreen, Colo.: National Geographic Maps, Trails Illustrated map 303, pub. 2012. ISBN: 9781566954341; OCLC: 840129350

National Geographic Maps (Firm). Old Faithful, Yellowstone National Park SW, Wyoming/Montana/Idaho, USA : 1:70,000 scale, trail mileage, backcountry campsites, Shoshone Lake, Upper & Lower Geysers Basins. 1 map, scale ca. 1:70,000. Evergreen, Colo.: National Geographic Maps, Trails Illustrated map 302, pub. 2012. ISBN: 9781566954334; OCLC: 840129349

National Geographic Maps (Firm). Tower/Canyon, Yellowstone National Park NE, Wyoming/Montana, USA: 1:70,000 scale, backcountry campsites, trail mileage, Grand Canyon of the Yellowstone, Yellowstone & Lamar Rivers. 1 map, scale ca. 1:70,000. Evergreen, Colo.: National Geographic Maps, Trails Illustrated map 304, pub. 2012. ISBN: 9781566954358; OCLC: 840172279

National Geographic Maps (Firm). Yellowstone Lake, Yellowstone National Park SE, Wyoming, USA: 1:70,000 scale, backcountry campsites, trail mileage, Continental Divide Trail, Yellowstone River. 1 map, scale ca. 1:70,000. Evergreen, Colo.: National Geographic Maps, Trails Illustrated map 305, pub. 2012. ISBN: 9781566954365; OCLC: 840185591

National Geographic Maps (Firm). Yellowstone National Park, Wyoming, Montana, Idaho, USA: Continental Divide Trail, interpretive information, hiking and cross-country ski trails, backcountry regulations : outdoor recreation map. 1 map, scale 1:126,720. Evergreen, Colo.: National Geographic Society, Trails Illustrated topographic maps no. 201, pub. 2012. ISBN: 9781566952958; OCLC: 832604708

News and Notes

compiled by

Michael Smith

Univ. of California-San Diego

BENCHMARKS

As of July 1, WAML member **Brian Quigley** will be the Acting Director of the Engineering and Physical Sciences (EPS) Division. In that role, Brian will manage the five EPS libraries: Chemistry & Chemical Engineering, Earth Sciences & Maps, Engineering, Mathematics & Statistics, and Physics & Astronomy. Congratulations, Brian (I think).

CATALOGING NEWS

Reported by Paige Andrew

As I pull this column together I'm getting ready to head to Chicago and the 2013 ALA Annual Conference. One thing that has stood out for me while setting and then regularly updating my conference schedule is a decline in programs related to RDA, though perhaps not by a whole lot. The other change I see is that those programs being offered are more focused, most usually on how RDA is being used with specific cataloging communities. And the same is true for the Map and Geospatial Information Round Table, or MAGIRT. So, while the content

of my column this time around once again is RDA-based, it's a little more "scattered" rather than reports from the national or international bodies. And, I'm sure the upcoming conference will lead to more news that I can report on for the next Cataloging Column.

MAGIRT PROGRAM at 2013 ALA ANNUAL CONFERENCE

"Maps the RDA Way: Come Catalog a Map with Us!" is this year's MAGIRT Program at the upcoming ALA Annual Conference in Chicago. For details about what Paige Andrew and Susan Moore will present in a 90-minute session, see: <http://ala13.ala.org/node/10094>

In addition, a follow up MAGIRT webinar to handle both questions that we did not have time to address during the presentation or posed at the event has been set up for July 22nd at 1 p.m. Central Time. For more information go to: https://events-na8.adobeconnect.com/content/connect/c1/1087453682/en/events/event/shared/default_template/speaker_info.html?sco-id=1148420439&_charset_=utf-8

OCLC News about Updates to its Bibliographic Input Standards

A recent email was sent out by OCLC, dated June 19, 2013, updating everyone on additions and changes to its *Bibliographic Formats and Standards* online manual for catalogers. In it, several notable changes to the *Standards* based on RDA and new MARC21 fields, subfields, and/or content for them such as changed codes were announced. Things to be aware of going forward include:

"We are now in the process of incorporating the changes to BFAS that were part of the OCLC-MARC Update 2012, which was documented in Technical Bulletin 261 (<http://www.oclc.org/support/services/worldcat/documentation/tb/261.en.html>). We are also taking this opportunity to announce the implementation of the OCLC-MARC Update 2013, which is documented in the new Technical Bulletin 262 (<http://www.oclc.org/support/services/worldcat/documentation/tb/262.en.html>). Highlights are listed below. The changes resulting from this OCLC-MARC Update 2013 are also being incorporated into BFAS. The updates to

BFAS resulting from these two sets of changes have now begun and will continue through the coming weeks.

When we finish the task of incorporating the changes from the 2012 and 2013 OCLC-MARC Updates into BFAS, we will begin the larger job of reviewing BFAS in its entirety. Policies will be updated, links to “Searching WorldCat Indexes” (<http://www.oclc.org/support/services/worldcat/documentation/searching/searchworldcat-indexes.en.html>) will be added, occasional references to RDA and the Library of Congress-Program for Cooperative Cataloging Policy Statements (LC-PCC PSs) will be incorporated, and some examples will be updated and others added to reflect RDA practices. This is a huge undertaking and will be happening gradually over time.”

In addition, please note the following:

A new OCLC Policy Statement on RDA was announced and put into effect on March 31, 2013 letting catalogers know what was available in Connexion at that time and many specifics such as the correct order of subfields in the 040 field. See <http://www.oclc.org/rda/new-policy.en.html> In addition, OCLC started a website specific to its work with RDA a couple of years ago and it is kept up-to-date with RDA based changes, so you should bookmark it for

handy reference: <http://www.oclc.org/en-US/rda/about.html>

UK Map Catalogers/Cataloguers Meet to Discuss RDA and its Impact Locally

Shortly after a May 2nd meeting held at the British Library, April Carlucci, Maps Cataloging Manager, sent out a set of meeting notes to myself, Mary Larsgaard, Alan Danskin, Min Zhang, and Nancy Kandoian, for which we are all grateful. It is great to be able to learn about how other libraries are dealing with the launch of RDA and the notes do include a “round robin” status of whether RDA has been launched in map cataloging at the map libraries included, or not, and what each individual libraries need in the way of training, etc.

Besides the British Library, there were representatives from Oxford University, the national libraries of Wales and Scotland, and Cambridge University. A couple of notable items of discussion leading to action items include:

- A good discussion on Relationship Designators for maps and how to apply them both in the Creator (1XX) and Contributor (7XX) fields.
- A concern about the forthcoming Chapter 16 in the RDA Toolkit and whether application of geographic names as subject headings and subdivisions will be

changed. They are monitoring the progress and wish for the map cataloging community at large to be consulted on content of Chapter 16 as it is written. In addition, “Correspondingly, the group also decided to make a formal request to Authority Control at the BL and LC to revise the instructions to use abbreviations for US and Australian states and Canadian provinces, to better agree with RDA principles not to use abbreviations, and for the better understanding of catalogue users outside those three countries.” In other words, instead of using “U.S.” or “Ont.” In headings these geographic places would be spelled out.

- “A quick survey of the room revealed that the BL is the only institutions still using a space instead of a comma in the 255 scale RF, so it was decided that the BL would change its policy and use a comma.” – this is good news on the basis of consistency in applying the comma in a statement such as 1:24,000 in the 255\$a.
- “It was noted that the use of the word “Scale” at the beginning of the 255 is not required in RDA, so the group decided that as policy we would begin the 255 with the word “Scale” except when not appropriate (for example, “Not drawn to

scale.”) – this has been an issue of concern here in the U.S. for several months now as well and many of us are asking catalogers to continue to start the 255 with the word “Scale” as a best practice. It is gratifying to see that our UK counterparts believe this is the best way to go also.

- “It was noted that the statement of projection is transcribed in RDA, which means that the projection should appear in the language in which it appears on the resource. While this was regarded as unhelpful, it was decided not to take any action.” – this is an excellent point if you were unaware.
- “Due to the need to trust that the data from Bounding Box is correct, it was decided to recommend using a \$2 in the 034 field to indicate the source of the data, and that a source code for Bounding Box would need to be requested from Library of Congress.” –A formal request was made to LC to create a new Source Code for the Klokan Bounding Box tool that many of us are using to generate accurate bounding box coordinates in a very easy method in our catalog records. [Note: I received a message on June 24, 2013 that the code “bounding” has been created by LC for this purpose.]

There were other items shared

in the meeting notes, enough so that one felt like they were a part of this meeting, which is good!

A Couple of Items from the PCC at LC if You Are a PCC Member

1. A very useful Word document for instructions on how to use the new 264 “publications” field can be found at the “Post Implementation Guidelines and Standards” website of the PCC at: <http://www.loc.gov/aba/pcc/rda/PCC%20RDA%20guidelines/Post-RDA-Implementation-Guidelines.html> Scroll down to the header “PCC RDA Bibliographic Description” and it is the first item listed, with the title “264 Field PCC Guidelines”.

2. You say you’re a PCC member and confused about where to report a problem or question to? Les Hawkins sent a message out on the BIBCO list on May 28th that summarizes how to get your questions and concerns answered and heard that is very helpful:

*“Hello all,
I am sending this message to multiple PCC email lists on behalf of Judith Cannan, the LC PCC Secretariat representative on the PCC Policy Committee.
–Les Hawkins*

Modifications to PCC Secretariat Services to the Membership

PCC members are strongly encouraged to send questions about cataloging instructions, policies, procedures, and guidelines to the PCC listservs that the PCC Secretariat oversees: PCCList,

BIBCO, CONSRlist, and SACOlist. Answering these types of questions provides the membership with an opportunity for professional growth which they greatly appreciate. Every question is of value as the membership analyzes, discusses, consults and references documents related to it, and finally reaches a resolution. LC staff members also monitor these lists and are free to provide authoritative answers when appropriate. PCC members are *discouraged* from sending questions relating to cataloging instructions, policies, procedures, and guidelines directly to individual COIN staff members who comprise the PCC secretariat. Instead, consider posting questions relating to cataloging instructions, policies, procedures, and guidelines to the relevant PCC listserv(s), so that everyone will benefit from the exchange.

PCC members are encouraged to request assistance from their colleagues via community listservs such as music, art, CJK, etc. in the processing of items in a language or subject area in which they lack local expertise. Some of you have already adopted this commendable practice and received welcome assistance from these communities.

All questions relating to program participation, review, training, and logistical aspects of program membership should be sent by the membership to the email boxes for the individ-

ual programs: bibcomail@loc.gov, conser@loc.gov, naco@loc.gov, and sacco@loc.gov .

When PCC members need to report duplicate NARs and related BFM send reports to: naco@loc.gov . Before submitting the request for NAR deletes and BFM, members should move appropriate fields from the NAR that will be deleted to the NAR that will be retained. In the subject line of the email put "NAR for deletion." To assist LC staff to find the cited records easily, use NAR LCCNs and name strings, and where possible, LCCNs for bibliographic records that require maintenance. Citations of utility control numbers (e.g. ARNs in OCLC) add extra steps to the maintenance process."

Something Fun to End With

I also belong to several other map librarian organizations, including the Association of Canadian Map Libraries and Archives (ACMLA), and subscribe to their listserv, CARTA-L. Our Canadian colleagues often turn up some pretty neat online things and share out (and also are more deeply involved with struggles related to the Library of Canada and the Canadian government's lack of support for libraries and archives in that country in general). As I was writing this column the following came into my email Inbox, enjoy!:

NewScientist article about tracking vegetation on earth:

"Overall, it looks like the planet is getting greener. Recent studies of similar satellite images have shown that plant life is moving north as carbon emissions stimulate photosynthesis."

It would be interesting to see similar images for asphalt and concrete

<http://tinyurl.com/m97vopa>

*Marcel Fortin
University of Toronto"*

I'll close this Cataloging Column out for now, and the next one should include several items about map cataloging that come out of the 2013 ALA Annual Conference, so stay tuned!

*Paige Andrew
Maps Cataloging Librarian
Pennsylvania State University*

CONFERENCES, CLASSES AND EXHIBITIONS

The 1st Annual **Chicago International Map Fair** will take place September 28-29, 2013. The fair will feature nearly 20 dealers from the U.S. and Europe and include three lectures provided by the Chicago Map Society as well as two tours of the Newberry Library and their map archive. See <http://www.chicagomapfair.com/>

American Geographical Society Library Fellowships for 2014

The American Geographical Society Library, University of Wisconsin-Milwaukee Libraries, welcomes applications for two short-term research fellowship programs:

McColl Research Program Fellowships

This is a short-term fellowship program available to individuals who wish to communicate their geographical research results to a broad, educated general audience. Awards of \$3300 for four-week fellowships will be provided to support residencies for the purpose of conducting research that makes direct use of the Library, and results in publication in a mutually agreed upon outlet.

Helen and John S. Best Research Fellowships

This is a short-term fellowship intended to support individuals whose research would benefit from extensive use of the AGS Library. Stipends of \$400 per week, for periods up to 4 weeks, will be awarded.

The American Geographical Society Library is one of North America's foremost geography and map collections with strengths in geography, cartography and related historical topics. An extensive collection of books, periodicals, photos, maps, pamphlets, atlases,

globes, electronic data, and the archives of the Association of American Geographers and the American Geographical Society are maintained at the AGS Library. In addition, researchers benefit from access to the UWM Libraries print and online collections during their residency. Please note that not all AGS Library materials are listed in the online catalog, but finding aids and professional staff are available to assist in determining if resources in the AGSL are suitable for a given research project.

Applications must be received by October 21, 2013. All fellowships are tenable in 2014.

For further information and detailed application instructions visit:

<http://www4.uwm.edu/libraries/AGSL/fellowships.cfm>

or write, call or e-mail the Marcy Bidney, Curator, AGS Library, P.O. Box 399, Milwaukee, WI 53201-0399, Tel. (414) 229-6282, E-mail bidney@uwm.edu

Nebenzahl Lectures in the History of Cartography

The War of 1812 and American Cartography

The Eighteenth Kenneth Nebenzahl, Jr., Lectures in the History of Cartography The Newberry Library, Chicago October 24-26, 2013

The Newberry Library's Hermon Dunlap Smith Center for the History of Cartography is pleased to announce "The War of 1812 and American Cartography," the 18th Kenneth Nebenzahl, Jr., Lectures in the History of Cartography. The series, beginning on Thursday evening, October 24, 2013 and running through Saturday morning, October 26, will consider how the evolving geopolitical ambitions of the United States that underpinned the War of 1812 were linked to the emergence of an American national cartography.

North Americans on both sides of the U.S. – Canada border are commemorating the bicentennial of the War of 1812 in 2012-15. But while Canadians remember the war as a formative national event, Americans remember it (if at all) as a comparatively minor event in their history, overshadowed by the memory of the Civil War, whose sesquicentennial is also currently being commemorated. Similarly, the War of 1812 has barely raised a ripple in American carto-historiography. Yet the decades immediately preceding and following the war, roughly encompassing the years 1800-1830 embraced the first exploratory expeditions organized by the federal government; expansive mapping devoted to settlement, migration, and the improvement of infrastructure; the beginnings of American pedagogic, historical, and commercial cartography; and the formation and entrenchment of state and federal agencies devoted

to surveying and mapping. The seven invited contributors to this eighteenth series of the Nebenzahl Lectures will explore these and other themes, asking whether and in what ways the War of 1812 and its aftermath was a formative period in American cartography and its representation of American geopolitical ambitions and identity.

The Nebenzahl Lectures are free. However, we do ask that all persons wishing to attend make a reservation. For reservations and further information please contact Kristin Emery, The Hermon Dunlap Smith Center for the History of Cartography, 60 W. Walton Street, Chicago, IL 60610 USA; e-mail: emeryk@newberry.org; phone 312-255-3657. <http://www.newberry.org/Nebenzahl2013>

NACIS 2013 - Greenville, SC, October 9-11

Alberto Cairo to Keynote
Alberto Cairo will keynote the NACIS annual meeting in Greenville during the Friday evening banquet. Alberto Cairo teaches infographics and visualization at the School of Communication of the University of Miami since January 2012. Cairo is the author of *The Functional Art: An Introduction to Information Graphics and Visualization*. He has taught at the University of North Carolina at Chapel Hill (2005-2009), and has been director of infograph-

ics and multimedia at El Mundo online (Spain 2000-2005) and Editora Globo (Brazil, 2010-2011).

Cairo has taught and organized workshops and training programs for universities and media organizations in more than twenty countries. His website is www.thefunctionalart.com and can be followed on Twitter: @albertocairo

Special Session on the Cartographies of the South

The site of the 2013 conference, Greenville, South Carolina, invites attention to be directed to the very rich themes and heritage of cartographies of the south. This begins with various conceptions of “the south” in American history, but it can and should also be expanded; for Canadians, for example, all of the United States apart from Alaska is “the south”. The South Pole and the southern hemisphere in its entirety are accessible, as is the cartography of the south side of that tree or anything else. “Down south” as a euphemism also yields some productive possibilities for the cartographies of the body and much else. The objective of the session is to be inclusive and imaginative, and see where that leads. It’ll lead us down south!

The North American Cartographic Information Society (NACIS) recognizes the important contributions students make to our field. To recognize some of their hard work and achieve-

ments, we offer two fantastic student competitions each year at our annual conference (this year October 9–11 in Greenville, SC). All students currently enrolled in a certificate program, undergraduate, or graduate/post-graduate program are eligible to enter, as long as they have not previously won top prize in either competition.

Student Dynamic Map Competition: The North American Cartographic Information Society (NACIS) recognizes the importance of dynamic mapping in cartography. We are sponsoring the 15th Annual Student Dynamic Map Competition to promote cartographic excellence and innovation in this versatile medium. A first prize of \$500 will be awarded in each category. Deadline for submissions is September 13th. To view the rules and prizes, please visit <http://nacis.org/index.cfm?x=4>

Student Map and Poster Competition: Students who would like to display their works at NACIS 2013 should register for the Student Map and Poster Competition. We encourage all students to submit their maps and technical/research posters for a chance at a prize of \$500! There is no entry fee. All entrants will be displayed in the Exhibits Gallery, and the winner will be selected by a ballot of all meeting attendees.

The deadline to register is September 13th, 2013. For more

information, please visit <http://nacis.org/index.cfm?x=18>

Travel Grants and Memberships: As an organization (and as former students ourselves), we’re aware that student budgets don’t often allow for extras like conference attendance or organizational memberships. Each year, NACIS offers up to 10 free memberships to undergraduate students, as well as offering a number of travel grants to students wishing to attend the annual conference. To find out more, please visit <http://nacis.org/index.cfm?x=27>

The J.B. Harley Research Fellowships in the History of Cartography

The trustees of the J. B. Harley Fellowships Trust are delighted to announce that, for the period 2013-2016, in addition to the normal J.B. Harley Fellowship awards open to anyone pursuing advanced research in the history of cartography, there are also Harley-Delmas Fellowships funded by the Gladys Kriebel Delmas Foundation for research in the history of cartography during the European Renaissance to the Enlightenment c.1400-c.1800.

Because of this good news, this is an advance notice of these extra Fellowships. The Harley Fellowships are awarded each year, with the main call for proposals going out in September with the closing date 1 November. All

applicants should apply for a J. B. Harley Fellowship; eligibility for a Harley-Delmas award will be decided by the Selection Committee of the Trustees. The Fellowship website has an Application page that should provide all the necessary information as well as answering many frequently asked questions, at <http://www.maphistory.info/application.html>. The main call for proposals will go out in the early autumn, as usual, and the closing date for all applications is 1st NOVEMBER.

GENERAL NEWS

WAML NEWS

Save the date: October 31 - November 3, 2013 for the WAML annual meeting.

The Western Association of Map Libraries will hold its annual meeting October 31 through November 3, 2013 at Tenaya Lodge near Yosemite National Park. The focus of this year's program is setting a vision for the future of the organization along with engaging presentations related to geographic information and mapping from local presenters, and presentations from WAML members.

Additionally, there are plans for a mapping activity where the group will update Open-StreetMap for the area around

Tenaya Lodge, a GIS unconference, and an all-day field trip to Yosemite National Park.

Come join us in Yosemite this fall!

More logistic and registration details will be available soon.

Please contact John Ridener with questions: jridener@gmail.com.

*Thanks,
John Ridener
WAML President, 2012-2013*

A request from Tamsen Hert:

In preparation for our meeting in Yosemite I have come up with a project that uses maps and something that Tami Morse and I would like to surprise you with in Yosemite. So, if any of you have any tattered California highway maps or more specifically, topos maps of any scale for the Yosemite and Sequoia/Kings Canyon regions, I would love to have them. This project covers the counties of Mariposa, Tuolumne and Mono. Please contact Tamsen (thert@uwyo.edu) for a list of quads needed.

Pictures added to WAML 40th anniversary set on Flickr:

Katie added photo collages to the WAML 40th anniversary set on Flickr for meetings held in the fall in 1989, 1992, 1995, 1996, and 2001. Ron Whistance-Smith took the pictures, his

widow Rena sent them to me, someone at my library scanned them, and I made the collages. Most of the meetings have two pages of collages. See them at:

<http://www.flickr.com/photos/waml/sets/72157603234102717/>

*Kathy Rankin
University of Nevada, Las Vegas Libraries*

Future WAML Meetings:

Yosemite, October 30 - November 3, 2013

WAML Meetings Web Page:

<http://www.waml.org/meetings.html>

OTHER NEWS

ALA MAGIRT's second webinar, ***Maps for Kids: Online Resources for K-12 Geography Education*** with Carol McAuliffe from the University of Florida, was recorded and is available here:

<http://connect.ala.org/node/205579>

The handout includes a lot of great resources for kids and adults:

Maps for Kids: Online Resources for K-12 Geography Education Selected Resources (<http://lgdata.s3-website-us-east-1.amazonaws.com/>)

docs/3001/750414/Maps-ForKidsWebinarHandout.pdf)

The USGS unveils TopoView -- a gateway to the USGS Historical Topographic Map Collection at <http://lgdata.s3-website-us-east-1.amazonaws.com/docs/3001/750414/Maps-ForKidsWebinarHandout.pdf>

Speaking on behalf of all NGMDB project colleagues, it's a distinct honor to invite you to the new "TopoView" site. Why is it an honor? Because TopoView highlights what many consider to be the USGS's flagship product, the topographic map.

TopoView is intended to serve the immediate need for the older, conventionally printed topographic maps to become easily searched, viewed, and downloaded. The ~163,000 maps available through this interface were scanned by the USGS Historical Topographic Mapping Collection (HTMC) project.

In terms of design, TopoView is an outgrowth of the NGMDB's MapView application. It was developed with guidance and support of the HTMC project, and the USGS National Geospatial Program (NGP), and we're grateful for their cooperation and support.

TopoView was developed relatively quickly and may continue to evolve in cooperation with the NGP. We're not yet sure

where it's headed, but here are some possible directions it might take:

- *extending TopoView to also show current (and superseded) maps that are produced by the US TOPO project*
- *providing links to downloadable geoTIFFs, and map sales*
- *replacing bounding boxes with historical quadrangle map images*
- *providing access to any paper topographic maps missing from this Collection that may, in the future, be found and scanned.*

--David R. Soller, USGS

Also from the USGS:

USGS The National Map Topographic Data are now available on mobile devices that are using the Android or iOS operating system

Android and iPhone users can now use their mobile devices as digital topo maps, leveraging USGS maps together with the power of GPS to zoom in on their precise location while hiking, biking, running, or any other activity that benefits from precision navigation. The type of data that are available includes USGS imagery and topographic maps from *The National Map*, as well as road and contour layers. Currently, two Android applications are using USGS data, OruxMaps (http://www.oruxmaps.com/index_en.html)

and AlpineQuest (<http://alpinequest.psyberia.net/>). These apps include USGS services in the list of available online maps.

For users that may be navigating in an area that is outside of cell phone coverage, Mobile Atlas Creator (<http://mobac.sourceforge.net/>) is allowing users of this desktop application to build small "mobile atlases" with USGS data. These "mobile atlases" can be built over any area of interest at multiple scales, and when completed, the small file is moved to the phone. The "mobile atlases" enable GPS applications on both iPhone and Android mobile devices. By storing this small amount of data on the phone, these "mobile atlases" ensure the topographic data is available even when cell coverage is not.

Users of mobile devices can use USGS data on their GPS-enabled phones to track their adventure or workout. This capability is new, and promises to increase awareness and use of USGS data and services, as well as increase demand for US Topos.

To use TNM data on your Android device:

1. Install either OruxMaps or AlpineQuest via Google Play App Store.
2. USGS TNM data is available through these two

applications as a dynamic, online layer.

3. Switch map sources to view either TNM Topo or Satellite data through the application.
4. OruxMaps manual available online in PDF format at http://www.oruxmaps.com/oruxmapsdesktop_en.pdf
5. More information on Alpine Quest is available online at <http://alpinequest.psyberia.net/>

To use TNM data on your iOS device:

1. Install Galileo (<http://galileo-app.com/>) on your iPhone or iPad via iTunes App Store.
2. Build offline map file(s) on MOBAC (instructions below).
3. Move files to iPad or iPhone.

To build map files that will allow an Android or iPhone to use USGS TNM data when data connectivity is not available:

1. Download the MOBAC desktop application (<http://sourceforge.net/projects/mobac/files/Mobile Atlas Creator/MOBAC 1.9/Mobile Atlas Creator 1.9.11.zip/download>).
2. Unzip the downloaded file, and activate the "Mobile Atlas Creator.exe" file.

3. Users can then indicate the mobile application they are using (Galileo, AlpineQuest, etc) , and highlight an area of interest to build an offline map file.

4. Select the appropriate scales.
5. Select "Create Atlas", and move resulting folder (and map data) to the appropriate folder on the mobile phone.
6. More information on using MOBAC is available through the "Quick Start Manual" at <http://mobac.sourceforge.net/quickstart/index.htm>

The USGS National Geospatial Technical Operations Center (NGTOC) is continuing to work with mobile developers, to ensure our data are available to the public.

Disclaimer: Any use of trade, firm or product names does not imply endorsement by the U.S. Government. No warranty, expressed or implied, is made by the USGS or the U.S. Government as to the accuracy and functioning of the commercial software programs cited in this Technical Announcement, and the U.S. Government shall not be held liable for improper or incorrect use of the USGS National Map Topographic Data employing these software programs.

Digital Public Library of America Announces Partnership with David Rumsey Map Collection

April 30, 2013

Cambridge, MA — The Digital Public Library of America is pleased to announce it is partnering with the David Rumsey Map Collection to provide online access to tens of thousands of significant historical maps and images. As part of the relationship, David Rumsey will provide metadata for over 38,000 maps and images, making the entirety of his notable online collection instantly accessible via the DPLA website (<http://dp.la/>) and API (<http://dp.la/info/developers/codex/>)

A couple prominent examples of items from the Rumsey collections available through the DPLA are The Eagle Map of the United States, produced by Joseph and James Churchman, Philadelphia, 1833, and the Map of Lewis and Clark's Track, Across the Western Portion of North America, produced in 1814. Other noteworthy items from Rumsey's collections range from maps found in historic atlases to images of three-dimensional objects such as globes.

"I am very excited to have my digital library of historical maps added to the DPLA," Rumsey said. "Maps tell stories that complement texts,

images, and other resources found in the growing DPLA library. And the open content policies of my online library fit perfectly with DPLA's mission to make cultural resources freely available to all. I see DPLA as reinvigorating the role of public libraries in educating children and adults in the digital age. I hope that my participation can serve as an example to others with private collections to share them with the public through the DPLA. Private collectors have always helped to build libraries and now they can do the same with digital cultural assets."

"David Rumsey's incredible collection of historical maps is one of the great private collections in the United States," added DPLA Executive Director Dan Cohen. "What he has been able to assemble and make broadly available is simply astonishing. It is an honor to have these maps as part of the DPLA, and together to help others discover what their communities looked like in the past. We thank David for his generosity."

Rumsey, President of Cartography Associates, a digital publishing company based in San Francisco, began building a collection of North and South American historical maps and related cartographic materials in 1980. His collection, with more than 150,000 maps, is one of the largest private map collections in the

United States. In 1995, Rumsey began the task of making his collection public by building the online David Rumsey Historical Map Collection. Currently the online web site has over 38,000 high-resolution images of maps from his collection.

In 2009, Rumsey committed to donating his entire collection – both physical and digital – to Stanford University, which is currently creating an all-new Map Center to house it.

Rumsey's online collection of maps is free to the public and is updated monthly. All of the online maps are searchable via the DPLA.

About the Digital Public Library of America

The Digital Public Library of America brings together the riches of America's libraries, archives, and museums, and makes them freely available to the world. It strives to contain the full breadth of human expression, from the written word, to works of art and culture, to records of America's heritage, to the efforts and data of science. The DPLA aims to expand this crucial realm of openly available materials, and make those riches more easily discovered and more widely usable and used. More information is online at <http://dp.la>.

About the David Rumsey Map Collection

The David Rumsey Map Collection was started over 25 years ago and contains more than

150,000 maps. The collection focuses on rare 18th and 19th century maps of North and South America, although it also has maps of the World, Asia, Africa, Europe, and Oceania. The collection includes atlases, wall maps, globes, school geographies, pocket maps, books of exploration, maritime charts, and a variety of cartographic materials including pocket, wall, children's, and manuscript maps. Items range in date from about 1700 to 1950s. More information is online at <http://www.davidrumsey.com/about/about>.

Historical maps overlaid on Google Maps: view the maps from the David Rumsey Historical Map Collection overlaid on their locations on Google Maps at <http://rumsey.geogorage.com/>

See also: List of 120 Maps in Google Maps and Google Earth at <http://rumsey.geogorage.com/gmaps.html>

And Google Earth Time Machine at <http://googleearthtime-machine.blogspot.fr/>

Unless you've been stuck under a piece of heavy furniture, you've been playing <http://www.geoguessr.com/> and cannot stop. I'm really bad at this, but I attribute it to usually being placed in the middle of a forest in Scandinavia or Canada (I can never tell which). See also: How to

Beat GeoGuessr, the Insanely Addictive Google Maps Guessing Game on Slate at http://www.slate.com/articles/technology/future_tense/2013/05/google_maps_guessing_game_geoguessr_tips_and_cheats_to_beat_the_game.html

Library at Georgia State University Receives \$210,000 NEH Grant to digitize and georeference a collection of 1,550 rare and historically significant City of Atlanta and Atlanta Regional Commission city planning maps. Read the article at <http://homer.gsu.edu/blogs/library/2013/05/02/library-at-georgia-state-university-receives-21000-neh-grant/>

You'll never be lost: finally, an iPhone case with a world map on it: <http://www.uncommon-goods.com/product/world-map-inlay-wooden-iphone-case>

Every Library and Museum in America, Mapped. See *The Atlantic Cities* article at <http://www.theatlanticcities.com/neighborhoods/2013/06/every-library-and-museum-america-mapped/5826/>

The Guardian (UK) recently featured a selection of hand-drawn maps at <http://www.guardian.co.uk/travel/gallery/2013/may/15/10-best-hand-drawn-maps-in-pictures> and then those suggested or

drawn by readers at <http://gu.com/p/3gh9p/tw>

Map the iPhone Users In Any City, And You Know Where the Rich Live. See *The Atlantic Cities* article at <http://www.theatlanticcities.com/jobs-and-economy/2013/06/map-iphone-users-any-city-and-you-know-where-rich-live/5961/>

See also: **These stunning maps were made entirely from geotagged tweets** (io9) at <http://io9.com/these-stunning-maps-were-made-entirely-from-geotagged-t-511188445>

See the 17+ minute short film that displays a 3-D map of the universe: **Cosmography of the Local Universe** at <http://irfu.cea.fr/cosmography>

Mapping The Newest Old Map Of The World describes the 3-D recreation process of the *Hereford Mappa Mundi* from 1300. (The Awl) See <http://www.theawl.com/2013/06/mapping-the-newest-old-map-of-the-world>

Maps That Live and Breathe With Data: Google purchases Waze map app, a social mapping service used by millions of drivers around the world. See the New York Times article at <http://www.nytimes.com/2013/06/11/technology/mobile-companies-crave-maps-that-live-and-breathe.html>

How the Prime Meridian Changed the World: Read an opinion by Mark Anderson, adapted from his 2012 book, *The Day the World Discovered the Sun: An Extraordinary Story of 18th Century Scientific Adventure and the Race to Track the Transit of Venus* at National Geographic: <http://news.nationalgeographic.com/news/2013/05/130526-astronomy-nautical-navigation-space-longitude-moon-science/>

A Fantastic Map of 500 Years of Meteorites Hitting Earth can be seen on The Atlantic Cities website: <http://www.theatlanticcities.com/neighborhoods/2013/05/fantastic-map-500-years-meteorites-hitting-earth/5684/>

Also, see the **Meteor Map** at <http://www.roadtolarissa.com/meteor-map/>

Why the New Google Maps Is the Most Honest Form of Cartography: *Maps have always been distorted. Now that distortion is Google's selling point.* At its annual developer conference yesterday, Google announced a complete overhaul of its maps. Among other things, changes include a cleaner interface, integrated Google Earth, and maps that learn as you use them... Read *The Atlantic* magazine article here: <http://www.theatlantic.com/technology/archive/2013/05/why->

the-new-google-maps-is-the-most-honest-form-of-cartography/275947/

Google Timelapse Shows How Earth Has Changed in 28 Years: *The search giant has unveiled a new project called Timelapse that visualizes how different parts of the earth have changed during the past 28 years. You can watch the trends in deforestation in the Amazon from year to year, or see just how much the city of Las Vegas has grown in a little more than two decades.* See it online at the Mashable site: <http://mashable.com/2013/05/09/google-timelapse/>

A Cloudless Atlas — How MapBox Aims to Make ‘the Most Beautiful Map’ of the World: Read the *Wired* article at <http://www.wired.com/design/2013/05/a-cloudless-atlas/>

Help Map Historical Weather From Ship Logs: *The Old Weather project is a crowd-sourcing data gathering endeavor to understand and map historical weather variability. The data collected will be used to understand past weather patterns and extremes in order to better predict future weather and climate....* (GIS Lounge) See <http://www.gislounge.com/help-map-old-weather/>

Maps on your nails! See them online at <http://gisetc.com/home/made-from-a-map-maps-on-your-nails/>

INTERNET RESOURCES

Lots of neat stuff here: **Get Lost in These 19 Fascinating Maps** (Mashable) See <http://mashable.com/2013/04/24/cool-city-maps/>

A neat (paper!) map available from International Mapping: **Maritime Boundaries of the World 2013.** See <http://internationalmapping.com/international-maritime-boundaries-poster> Also see other maps available in their map store at <http://internationalmapping.com/product-category/maps>

This is really cool: <http://myreadingmapped.blogspot.com/contains/136-documentaries>, in the form of interactive Google Maps on Historic Events, that allow you to do much more than just watch. You get to digitally experience the event by finding the locations you read about in the related eBooks, and follow the explorer from location marker to location marker on almost a day-by-day basis, and get to see up close the actual ancient ruins, forts, and pyramids. See also: **Lewis and Clark, Meet Foursquare** (The Atlantic Cities). *Plunge into the East African jungles with Sir Henry Morton Stanley, the Breaker of Rocks, or trace the cantilevers*

of Frank Lloyd Wright. Follow Alexander the Great through Central Asia or explore the battlefields of the Revolutionary War. By downloading KML files, you can use Google Earth to climb Mt. Everest with Sir Edmund Hilary or tag along with Lewis and Clark on their exploration of the Louisiana Territory. Visit the website at <http://www.theatlanticcities.com/technology/2013/05/lewis-and-clark-meet-four-square/5708/>

Version 2 of the **Atlas of Early Printing** is now available via the library at the University of Iowa (<http://atlas.lib.uiowa.edu/>). *It is an interactive site designed to be used as a tool for teaching the early history of printing in Europe during the second half of the fifteenth century.... The atlas, along with accompanying material such as the animated printing press model, is designed to be used as a teaching resource.... The aim of the Atlas of Early Printing is to take this type of information and allow it to be manipulated, while also providing contextual information that visually represents the cultural situation from which printing emerged. Layers can be turned on and off to build a detailed atlas of the culture and commerce of Europe as masters and journeymen printers ventured to new towns and markets seeking support and material for the new art of printing.*

It's a hoagie where I come from: **22 Maps That Show How Americans Speak English Totally Differently From Each Other:** *Regional accents are a major part of what makes American English so interesting as a dialect. Joshua Katz, a Ph.D student in statistics at North Carolina State University, just published a group of awesome visualizations of Professor Bert Vaux and Scott Golder's linguistic survey that looked at how Americans pronounce words. (via detsl on /r/Linguistics).* See the Business Insider website: <http://www.businessinsider.com/22-maps-that-show-the-deepest-linguistic-conflicts-in-america-2013-6?op=1#ixzz2Wt7xMwt5>

The **Atlas of True Names** series includes folded maps and posters for: the World, Europe British Isles, Canada and the United States. *These maps reveal the etymological roots, or original meanings, of the familiar terms on today's maps. More than 2000 cities, countries, rivers, oceans and mountain ranges are displayed on these fascinating maps, each of which includes a comprehensive index of derivations.* See http://www.kalimedia.com/Atlas_of_True_Names.html (for U.S. orders: visit the Omnimap website at <http://www.omnimap.com/catalog/int/kalimedia.htm>) Also see the *Slate* article: **My Kind of Town, Stink Onions** at http://www.slate.com/articles/news_and_poli-

[tics/map_of_the_week/2013/06/literal_meanings_of_places_in_the_u_s_map.html](http://www.theatlanticcities.com/neighborhoods/2013/05/history-tour-san-franciscos-street-names/5456/)

This is a *really cool* interactive map via OpenStreetMap: **History of San Francisco Place Names.** (<http://sfstreets.noahveltman.com/>) See also: **A History Tour of San Francisco's Street Names** from The Atlantic Cities: <http://www.theatlanticcities.com/neighborhoods/2013/05/history-tour-san-franciscos-street-names/5456/>

Mapping the Rise of Craft Beer: read *The New Yorker* article at <http://www.newyorker.com/online/blogs/news-desk/2013/06/idea-of-the-week-mapping-the-rise-of-craft-beer.html> and view the interactive map at <http://www.newyorker.com/sandbox/business/beer.html>

Composite Aerial Photo Map of San Francisco in 1938 highlights David Rumsey's interactive map of San Francisco based on 164 aerial photographs of the city taken in 1938. See the article and photos at <http://laughingsquid.com/composite-aerial-photo-map-of-san-francisco-in-1938/>

Check out the college football belt: View the **Top 200 College Football Recruits for 2014: Interactive Map** at <http://bleacherreport.com/articles/1659569-top-200-college-football-recruits-for-2014-interactive-map>

Map of supercontinent Pan-

gaea with political boundaries shows America nestled up against North Africa: The age where you could WALK from New York to Morocco! See the How countries of today would look 300 MILLION years ago Read the *Daily Mail* article and see the maps at <http://www.dailymail.co.uk/news/article-2334270/When-WALK-New-York-Morocco-How-countries-look-300-MILLION-years-ago.html>

Geography of Hate (http://users.humboldt.edu/mstephens/hate/hate_map.html) maps the darkside of tweets. Also see The Verge article: "‘Geography of Hate’ maps racism and homophobia on Twitter" at <http://www.theverge.com/2013/5/11/4322098/geography-of-hate-maps-de derogatory-terms-on-twitter>

This is really cool! **MAP-frappe** allows you to see an outline of one part of the world overlaid on another part of the world. (<http://mapfrappe.com/>) Also see *The Atlantic Cities* article: **“Compare Cities, Streets and Other Shapes With This Cartographic Mixing Machine”** at <http://www.theatlanticcities.com/design/2013/05/compare-cities-streets-and-other-shapes-cartographic-mixing-machine/5544/>

You could spend a lot of time here: <http://mapsontheweb.tumblr.com/>

World Map of **Total Patents Until 2011** via <http://www.targetmap.com/> (also lots of maps here!)

[com/groups/schools/p/digital-mapping-reveals-social-networks-of-18th-centuba01d2398a](http://www.targetmap.com/groups/schools/p/digital-mapping-reveals-social-networks-of-18th-centuba01d2398a)

Bob Dylan's World: For his 72nd birthday, a map of every street, town, and city Dylan has ever sung about. See the *Slate* article and map at http://www.slate.com/articles/arts/map_of_the_week/2013/05/bob_dylan_map_every_place_mentioned_in_a_bob_dylan_song.html

The Subways of North America See the map at <http://xkcd.com/1196/>

America in a nutshell: **Highest-Paid Public Employees** (<http://deadspin.com/infographic-is-your-states-highest-paid-employee-a-co-489635228>)

NEW PUBLICATIONS

King of the Road Map: New Jersey man finds direction collecting vintage paper road maps (AmericanProfile) <http://americanprofile.com/articles/king-of-the-road-map/>

Digital Mapping Reveals Social Networks of 18th-Century Travelers: *Through a digital analysis of correspondence from travelers on the famed European "Grand Tour," Stanford classicist Giovanna Ceserani is discovering how international travel fostered cultural and academic trends in the 18th century.* <http://paloalto.patch>.

Western Association of Map Libraries

Microform Publications

Information Bulletin

Western Association of Map Libraries *Information Bulletin* v. 1-20. 99 fiche. ISBN 0-939112-20-5 \$40.00

Occasional Papers

- 1976 *Union List of Sanborn Fire Insurance Maps Held by Institutions in the United States and Canada, vol. 1, Alabama to Missouri* by R. Philip Hoehn. OP2. LC #76-6129 ISBN 0-939112-16-7 \$4.00
- 1983 *Index to the Information Bulletin (Volumes 1-10, 1969-1979) of the Western Association of Map Libraries* by Frances M. Woodward. OP9. LC #83-4880 ISBN 0-939112-10-8 \$5.00

Paper Publications

Occasional Papers

- 1973 *Catalogue of Sanborn Atlases at California State University, Northridge* by Gary W. Rees and Mary Hoeber. OP1. LC #73-5773 ISBN 0-939112-01-9 \$4.00
- 1977 *Union List of Sanborn Fire Insurance Maps held by Institutions in the United States and Canada, vol. 2, Montana to Wyoming; Canada and Mexico* by William S. Peterson-Hunt and Evelyn L. Woodruff; *with a Supplement and Corrigenda to Volume 1*, by R. Philip Hoehn. OP3. LC #76-2129 Rev. ISBN 0-939112-03-5 \$4.00
- 1978 *Index to Early Twentieth-Century City Plans Appearing in Guidebooks: Baedeker, Muirhead-Blue Guides, Murray, I.J.G.R., etc., Plus Selected Other Works to Provide Worldwide Coverage of over 2,000 Plans to over 1,200 Communities, Found in 74 Guidebooks* by Harold M. Otness. OP4. LC #78-15094 ISBN 0-939112-05-1 \$6.00
- 1978 *The Maps of Fiji: A Selective and Annotated Cartobibliography* by Mason S. Green. OP5. LC #78-24066 ISBN 0-939112-06-X \$4.00
- 1980 *Index to Nineteenth-Century City Plans Appearing in Guidebooks: Baedeker, Murray, Joanne, Black, Appleton, Meyer, Plus Selected Other Works to Provide Coverage of over 1,800 Plans to Nearly 600 Communities, Found in 164 Guidebooks* by Harold M. Otness. OP7. LC #80-24483 ISBN 0-939112-08-6 \$6.00
- 1981 *Microcartography: Applications for Archives and Libraries* edited by Larry Cruse, with the assistance of Sylvia B. Warren. OP6. LC #81-19718 ISBN 0-939112-07-8 \$6.00
- 1981 *Printed Maps of Utah to 1900; An Annotated Cartobibliography* by Riley Moore Moffat. OP8. LC #81459 ISBN 0-939112-09-4 \$10.00
- 1984 *Nevada Directory of Maps and Aerial Photo Resources* by Mary B. Ansari and Linda P. Newman. OP11. LC #83-26068 ISBN 0-939112-13-2 \$15.00
- 1986 *Map Index to Topographic Quadrangles of the United States, 1882-1940* by Riley Moore Moffat. OP10. LC #84-21984 ISBN 0-939112-12-4 \$40.00
- 1990 *Cartobibliography of Separately Published U.S. Geological Survey Special Maps and River Surveys* by Peter L. Stark. OP12 LC #89-14684 ISBN 0-939112-15-9 (hard cover) \$40.00
- 1993 *Topographic Mapping of Africa, Antarctica and Eurasia* by Mary L. Larsgaard. OP 14. LC #92-39327 ISBN 0-939112-29-9 \$45.00

Send Check (payable to WAML) or Purchase Order to:

Western Association of Map Libraries

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