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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## Table of Contents

### WAML Business
Announcements .......................................................................................................................... 117

- Call for News & Notes Editor; WAML Scanning Clearinghouse; Geologic Map of Seattle;
- WAML Fall 2006 Conference

### WAML Spring 2006 Meeting Recap .......................................................... 120

### Reviews of Atlases, Books and Digital Resources edited by Kathy Rankin .................. 130

- Remote Sensing for GIS Managers reviewed by Dawn Martin;
- Terrian Navigator Pro (v. 7.02) reviewed by Jason Vaughn;
- Atlas of Social and Economic Conditions and Change in Southern California reviewed by Greg Armento;
- Designing Better Maps: A Guide for GIS Users reviewed by Kathryn Lage;
- GIS Tutorial: Workbook for ArcView 9 reviewed by Jon Jablonski

### New Mapping of Western North America compiled by Ken Rockwell .................. 139

### News of Note compiled by Linda Zellmer

- Benchmarks .......................................................................................................................... 150
- Canadian News .................................................................................................................... 150
- Cataloging News .................................................................................................................. 151
- Conferences & Classes ........................................................................................................ 153
- Digital Spatial Data ............................................................................................................ 154
- Employment ......................................................................................................................... 154
- Federal, State and Local Government ................................................................................ 160
- General News ...................................................................................................................... 167
- Internet Resources .............................................................................................................. 167
- New Publications ................................................................................................................ 170
- Periodical Articles ............................................................................................................... 172
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 Production 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, Kathy Rankin 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.
Contribution Guidelines for Electronic News and Notes

Electronic News and 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 and Notes Editor or the appropriate State or Province editor at any time for inclusion in WAML Electronic News and Notes (E-N & N).

E-N & N is a monthly publication that is compiled and posted on the WAML web site at http://www.waml.org. The E-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 E-N & N can be viewed on the WAML Web site. Selected E-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.

E-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.

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**Editor vacancies:**
Alberta, California Idaho, Montana, New Mexico, Wyoming
Announcements:

WAML Scanning Projects Clearinghouse

The WAML Scanning Projects Clearinghouse has been added as a major component of the WAML Web site. The Clearinghouse Project, developed by Janet Collins and Julie Sweetkind-Singer and run by Janet at Western Washington University, will give us a place to record our digitization projects as well as look for other projects that are in process or have been completed.

WAML members have been sent via email a user name and password that will give them access to the input form. Non-WAML members are encouraged to participate and can request a guest log-in to include their information in our database. Many thanks to Janet’s colleague, Matt Paskus, for his many hours of volunteer work in bringing an idea to fruition. His help was invaluable. Phil Larkin, student at WWU (and part-time Map Library groupie) should be acknowledged for his early contributions to the project.

No matter what stage you are in your scanning projects (planning, ongoing, completion), your contributions to this database will appreciated by the cartographic community.

http://waml.org/clearinghouse.html
New Geologic Map of Seattle
Contributed by Matthew Parsons, Washington State Editor for the IB

The Pacific Northwest Center for Geologic Mapping Studies (GeoMapNW) at the University of Washington, the United States Geological Survey and the City of Seattle have collaborated to produce one of the most detailed geologic maps of a major U.S. city in the country.

The new geologic map of Seattle is being published in 4 quadrants. Currently, only the northwest quadrant, Geologic Map of Northwestern Seattle (Part of the Seattle North 7.5' x 15' Quadrangle, King County, Washington) by Derek B. Booth, Kathy Goetz Troost, and Scott A. Shimel, is available in both print and .pdf format as USGS Scientific Investigations Map 2903. The remaining three quads are in the pre-publication review process. The scale of the map is 1:12,000 and the data used to compile it and the other quadrants came from over 36,000 bore holes, outcrops, test pits, and excavations.

This map will replace the currently existing geological map of Seattle from 1962 (Preliminary Geologic Map of Seattle, USGS Map I-354, scale 1:31,680). One of the more prominent updates is the recognition and delineation of the Seattle Fault Zone. Additionally, 33 more geologic units are shown as well as the geology beneath filled and graded land (adding 9% more mapped land area than before).

PDFs of several other geologic maps of the Puget Sound region, as well as an online geodatabase, online interactive mapping tool, and downloadable GIS data files are available via the GeoMapNW website.

GeoMapNW website:

Electronic version of USGS SIM-2903:


USGS Fact Sheet: New Geologic Map and Geodatabase of Seattle:
Western Association of Map Libraries

Fall 2006 Conference
September 13-16, 2006

Hosted by:
Todd Welch and Richard Quartaroli, Northern Arizona University, Special Collections
and
Janet Collins, Huxley Map Library, Western Washington University

The conference will be held at Northern Arizona University in Flagstaff. Conference information is posted at www.waml.org.

Program Speakers will include:

▪ Trent Hare, USGS, on the “Global GIS Database DDS62”
▪ Richard Quartaroli, NAU, on “John Wesley Powell Surveying and Mapping the Grand Canyon”
▪ Susan Hueftle, Grand Canyon Monitoring and Research Center on “Climate Change and Lake Powell”
▪ Todd Welch, NAU, “Digitization Projects Underway at NAU”
▪ Deborah Soltesz, USGS, Astrogeology Tour and Presentations

Lodging: The Inn at NAU (on campus)
Early Bird: Wednesday, September 13
   Barbecue at Thorpe Park followed by evening tour of Lowell Observatory. http://www.lowell.edu/
Banquet: Thursday, September 14
   Black Bart’s Steakhouse - with musical review
Field Trip: Saturday, September 16
WAML Spring 2006 Meeting
University of British Columbia, Vancouver, BC

Program, Attendees, and Minutes

PROGRAM:

Wednesday, May 10

3:00-6:30 pm -- Exec. Board Meeting, Koerner Library

6:30 pm -- Registration, Koerner Library

6:30 pm -- Early Bird Reception, Koerner Library

Thursday, May 11

8:30-11:00 am -- Committee meetings, Koerner Library, Rm. 216

11:00-11:30 am -- Board/Committee Liaison, Koerner Library, Rm. 216

11:30 am-12:45 pm -- Lunch (on your own)

12:45-1:00 pm -- Registration, outside Koerner Library, Rm. 217

1:00-1:10 pm -- Conference Opening Ceremonies, Koerner Library, Rm. 217

1:10-3:00 pm -- Air Photo Workshop, Koerner Library, Rm. 217. Presenters: Matthew Parsons, University of Washington; Colin Kelly, University of Oregon

3:00-3:30 pm -- Refreshment Break

3:30-4:30 pm -- Air Photo Workshop continues

4:30 pm -- WAML Business Meeting & Sounding Board

Friday, May 12

NOTE: ALL PRESENTATIONS ARE IN KOERNER LIBRARY ROOM 216

9:00-9:15 am -- Registration

9:15-10:15 am -- Derek Hayes, "Maps I Have Known and Loved" (a wide-ranging presentation of some of the more interesting maps this author of many historical atlases has come across in his career).

10:15-10:45 am -- Refreshment Break

10:45-11:45 am -- P. Dawn Mills (Faculty of Law, Univ. of British Columbia), "Territories, Maps and Boundaries: First Nations and British/French Canadian Negotiated Relationships."

11:45 am-1:15 pm -- Lunch (on your own)

1:15-2:00 pm -- Linda Newman (Map Librarian, Univ. of Nevada, Reno), "Nevada Highway Maps, 1917--2003, Digital Collection."

2:00-3:00 pm -- Sally Hermansen (Dept. of Geography, Univ. of British Columbia), "Teaching Metadata for Student Research Projects."

3:00-3:20 pm -- Refreshment Break

3:20-4:20 pm -- Kathryn Lage (Map Librarian, Univ. of Colorado at Boulder), "Current Cataloging of GIS Data."

4:20-4:30 pm -- Conference Wrap Up

3:00-3:30 pm -- Conference Opening Ceremonies, Koerner Library, Rm. 217

5:00-6:00 pm -- Conference Wrap Up

6:00-9:00 pm -- Banquet, University Centre (Sage), Second Floor

8:00 pm -- Guest Speaker: Jack Joyce, President, International Travel Maps & Books, Vancouver, BC
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REPORTS:

Secretary: Kathy Stroud submitted the minutes of the May Executive Board Meeting and the Business Meeting to the Executive Board and the IB editor. She also responded to a letter from the National Diet Library in Tokyo requesting an exchange of the IB. WAML thanked them for their offer but declined.

Business Manager: Julie Hoff was not present, but submitted a written report. Sales are slow; five orders have been received and filled since the beginning of September. (Cynthia Jahns reported that sales totaled $196.50 since September.) Bob Huxford has returned the WAML archival set of Volumes 1-20 of the IB on completion of his scanning project. (WAML Archivist Julie Sweetkind-Singer said she would look into whether these were our only archival set.) WAML has 180 copies of Moffat’s Map Index to Topographic Quadrangles of the United States. These copies could be sold with the electronic version if it becomes available. Julie Hoff has responded to two association directory publishers asking for updated information for WAML.

Information Bulletin Editor: Matthew Parsons reported that the issue following the Alaska conference had color photographs for the first time. Postage for the IB has gone up.
Katherine Rankin has resigned as the Book Editor, and Jon Jablonski has agreed to take on the job.

Past President: Julie Sweetkind-Singer reported the Nominating Committee is up and running. She has also been working on the Huntington Library Spring 2007 meeting and working with Janet Collins on the Clearing House for Scanning Projects.

Membership Manager: Chris Thiry reported that membership has been flat. There have been a few gains and a few losses. He is helping Tim Ross with the conference registration.

Archivist: Julie Sweetkind-Singer reported the old web site has been archived. She archives handouts from meetings and any supplemental reports. However, she is concerned that electronic correspondence is being lost and wants to discuss what should be archived. Julie will look into what correspondence was archived in the past and open-up a discussion via email or at the next meeting. According to Matthew Parsons, the listserv is electronically archived. One question is should it be printed out.

Subscription Manager: Jim O’Donnell reported that he has mailed overdue notices for subscriptions. Currently there are 112 paid subscriptions. Last year there were 132. He expects the number to go back up with mailing the overdue notices. Cynthia now has the subscription account and handles the money. Jim has PDF versions so he can create additional IBs for claims if the paper copies are exhausted.

Treasurer: Cynthia Jahns reported that as of Monday (May 9) the checking account has $17,290.51 and the Cash Maximizer Account has a balance of $10,598.61 for total assets of $27,889.12. This does not include the registration monies for the Vancouver Conference. Finances are healthy. The cost for producing the IB is holding steady at about $2200 an issue. Subscriptions are our main source of income. Cynthia is looking into moving some of our checking account monies into an interest bearing account. The signature cards for the accounts needs 3 signatures of people who are current WAML members.

COMMITTEE REPORTS:

Web Site Committee (Ad Hoc): Julie Sweetkind-Singer reported the new web site is nearly complete. The old News & Notes will become JPEGS. Currently each issue is an individual web site. The Conference Tool Kit is being converted to a new format. Katie Lage did all the webmaster work. Linda Zelmer will retain control of the Map Librarian’s Toolbox section. Katie Lage will serve as interim webmaster until we find a replacement.

The Web Committee recommends that there be a Standing Web Committee of 3 people that meet via phone or in person 4 times a year. The Committee’s charge would be to maintain and update the website and gather suggestions for change. The Committee would consist of the webmaster plus two other people. The webmaster must commit to serving a minimum 2 years. The other committee members will serve two year terms. The Committee also recommended the News & Notes section be revived. The News & Notes editor would also serve on the Web Committee. Cynthia Jahns has volunteered to serve as News & Notes Editor until September.

Continuing Education Committee: There will be an aerial photography workshop Thursday afternoon taught by Matthew Parsons and Colin Kelly. Members of the Committee hope to create an aerial photography manual that will be on the web site. The Committee will meet after the workshop to make recommendations to the Board on how to publish the manual. It is likely that they will advise that it be a free resource. Two ideas for the Fall 2006 workshop are “Aerial Photography Digitization, Integration with GIS, and Delivery Over the Internet” and “Geographic Exploration Systems – What They Do and How They are Being Used in Libraries.” A potential workshop at
the Huntington Conference is “Map Collection Security.” The Committee hopes to create a primer from workshop materials that may be published either on the web or by the publications committee. They hope to output products that go beyond workshops for people to attend and will coordinate with the Publications Committee and the Web Site Committee.

Nominating Committee: The committee consists of Anne Zald, Chris Thiry, Paige Andrews, with Julie Sweetkind-Singer. They are working on multiple candidates for the upcoming election.

Publications Committee: David Deckelbaum will contact Bob Huxford about the project to scan Moffat’s Index and obtain the latest CD. The version David has is not the most up-to-date. Also, David has also requested (from map librarians) additions to Moffat’s Book, but has not had the chance to analyze the responses. Matthew Parsons and David are looking at indexing the IB. The WAML IB is indexed in LISA and Library Literature, but the indexes are too broad. The cumulative index for volumes 1-10 should be redone as part of the indexing project. David Deckelbaum, Linda Newman, Matthew Parsons, and Ken Rockwell will work on developing rules and standards for indexing the IB. Each will index the same year of the IB (volume 35). They will compare their efforts and come up with standards. Two indexes, subject/keyword and person are envisioned.

FUTURE CONFERENCES:

Janet Collins reported on the Fall 2006 (Sept 13-16) in Flagstaff Arizona. She will be issuing a call for papers. There is one presentation slot left. There will be an Early Bird Barbeque on Wednesday and a trip to Lowell Observatory. Janet is arranging lodging at the Inn at Northern Arizona University (NAU), which has parking and breakfast. The rough schedule is papers Thursday morning and a workshop Thursday afternoon. Friday will be presentations and a tour with the Business Meeting and Sounding Board in the Afternoon. The field trip on Saturday will probably be to the Grand Canyon North Rim.

Jim O’Donnell and Julie Sweetkind-Singer are working on Spring 2007 at the Huntington Library near Pasadena, CA. It will be in mid February and jointly held with the California Map Society. They have a sample contract.

Chris Thiry is coordinating a Denver WAML meeting for October (24th-27th?) 2007. This will be immediately before GSIS which will also be in Denver that year. Jim Crowl with the Western History Collection at the Denver Public Library is host. Chris is looking for suggestions for field trips as Rocky Mountain National Park and Pikes Peak have been done at previous conferences.

Katherine Rankin has volunteered to host for March 2008. She is thinking of a Special Collections tour, reception, tour of the library, geological mapping, geology of Death Valley, flood hazards mapping, a tour to Death Valley, and a banquet at the Italian American Club.

Cynthia Jahns is investigating the possibility of Yosemite in Fall 2008.

OLD BUSINESS

EBSCO Proposal for Acquisition of Information Bulletin’s Full Text Content: The Executive Board decided to reject EBSCO’s proposal as the financial return would be miniscule to none, and EBSCO does not appear to be interested in acquiring the back issues. Mabel Suzuki will contact EBSCO and tell them we’re turning down their offer for now.

WAML Information Bulletin Scanning Project: The Huxfords have completed scanning the back issues of the IB. The CD of scanned issues needs an index to make it useful. The Publications Committee is working on developing an index. Once an index is developed, the Publications Committee will propose how to make both the index and the scanned
content available (e.g., CD, web). Making the scanned IB content available will be done in conjunction with the Huxfords since they did scanning and have the images.

**WAML Scanning Clearinghouse Project:** Janet Collins and Julie Sweetkind-Singer have been working on a Clearinghouse website for map scanning projects. It is now available from the WAML website. Matt Paskus at Western Washington University has been instrumental in getting it working. The WAML clearinghouse is not limited to western area scanning projects. Non-WAML members may use a guest account and password to enter information. Janet is interested in input and what the next steps are. Should we track down people who have digitized but not entered? Should we add links from our clearinghouse to other clearinghouses?

**WAML Membership Drive:** The Board approved Chris Thiry’s proposal to send a half price, first time member only, offer to everyone in WAML’s principal region that is listed in the new ALA Guide to U.S. Map Resources but is not a member. The offer will be available through July 31st. Estimated cost of the mailing is $300. Chris also proposed an extra fee for non-members to attend WAML conferences in order to encourage non-members to join. Beginning with the Fall Conference, we will charge non-members an additional $20 to register.

**Katrina Relief Contribution:** Mabel Suzuki presented a report on her efforts to identify map collections that had been damaged by the hurricane. She contacted many libraries. The good news is that very few map collections seem to have been severely impacted. Mabel did locate two libraries that had map collections that suffered extensive damage. The Board approved a WAML donation of $250.00 each to these two institutions, the Louisiana State Museum and the Jackson Barracks Military Library.

**NEW BUSINESS:**

**Review of WAML Job Descriptions:** The WAML officers’ duties and responsibilities have been revised. We don’t need committee job descriptions. However, it was proposed that we should include brief charges for the committees.

**Conference Manual/Scheduling Flexibility:** It was agreed that the Conference Manual was a guideline. The Host and the Vice President can make adjustments. The Conference Manual should be edited to make it more flexible.

**Creation of Standing Rules and Procedures Document:** It was proposed that we need to have the standing rules and procedures documents all in one place, perhaps linked to from the website. The rules and procedures would list things such as the as the transportation subsidy for CUAC representatives, positions receiving honoraria, etc. To this end we should form an Ad Hoc Rules and Procedures Committees consisting of the Past President, President, Treasurer, and Membership Chair.

**Book Review Editor/Book Review Partnerships (David Allen’s Suggestion):** It had been suggested that we combine book review editor duties with other maps newsletters. As John Jablonski has offered to become Book Editor for the IB, we do not need to pursue this idea further. Additionally, David Allen has proposed a searchable archive of book reviews from WAML and other map groups. The details of the proposal were not available. The Board was open to the idea of a searchable bibliographical database maintained at a site such as Coordinates: Online Journal of the Map and Geography Roundtable, American Library Association with citations to WAML reviews linked to the WAML website. The Web Committee should discuss the issues and make recommendations. Some of the items to consider are should we make our reviews freely available over the Internet and should reviews appear on the Internet before they are published in the IB.
Vacancies WAML State Editors: There are several vacancies for State Editors. Because California is so large, it may be necessary to rework state editor position, perhaps dividing it in two. We may also need instructional material on how to do the job, perhaps as a lecture or outline. Chris Thiry will work with Mabel Suzuki to get lists of people to ask.

Business Meeting/Sounding Board Minutes
May 11, 2006, 216 Koerner Library, University of British Columbia

WAML President Mabel Suzuki opened the meeting at 4:15 p.m.

REPORTS:

Secretary Kathy Stroud gave a summary of the Executive Board meeting minutes. She also read the Business Manager’s Report for Julie Hoff, who had submitted it via e-mail. (See Executive Board minutes.)

Cynthia Jahns gave the Treasurer’s report. WAML is in great financial health. We have $17,290.51 in checking, $10,598.61 in savings, and will be moving some of the funds in checking to a higher yield account.

Subscription Manager Jim O’Donnell reported we have 112 paid subscriptions, down from 132. Part of this is because approximately 20 renewal notices did not get mailed on time. The situation has been corrected.

Mathew Parsons, the Information Bulletin Editor reported that postage is going up. The November issue was the first to have color photographs. This coming issue will probably not. A question was posed about how much color cost. Matt will verify the price so the group may make an informed decision about color. Jim O’Donnell reported that the increased bottom line for printing the IB ($2200/issue) includes color photographs. He suggested the Executive Board may wish to discuss subscription price.

Past President Julie Sweetkind-Singer reported that she is chairing the nominating committee for 2006 elections. Other committee members are Chris Thiry, Anne Zald, and Paige Andrews. She requested that interested candidates contact a committee member. They have 1 candidate for Secretary but are open to more and are looking for a candidate for President.

Chris Thiry presented the Membership/Hospitality Manager’s report. Membership is steady. Volunteers for the Committee are welcome.

The Web Manager’s report was deferred until New Business.

Wendie Helms, Janet Collins, and Julie Sweetkind-Singer reported on future conferences. Fall 2006 will be in Flagstaff, Arizona September 13th-16th at the Northern Arizona University. It will be co-hosted by Todd Welch (NAU), Richard Quartaroli (NAU), and Janet Collins (WWU). Janet has reserved the Inn at NAU; register early. The fieldtrip will be to the North Rim Grand Canyon. Check the WAML website for details. There is one slot for papers left. Janet will issue a formal call to the WAML listserv to fill this presentation slot. The Spring 2007 meeting will be in February in San Marino, California at the Huntington Library. It will be a joint meeting with the California Map Society. Jim O’Donnell and Julie Sweetkind-Singer are coordinating. Chris Thiry will host the Fall 2007 meeting at the Denver Public Library Oct 24-27th. This is immediately before the Geoscience Information Society’s meeting, also in Denver. Katherine Rankin has agreed to host Spring 2008 in Las Vegas, Nevada. Cynthia Jahns is looking into holding the Fall 2008 conference at Yosemite. Spring and Fall 2009 conference locations are open for volunteers. Possible locations are Utah and Redlands, CA. Volunteers to host in the north are encouraged.
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In MAGERT elections, Pete Rheeling was elected chair/chair-elect; Karen Kuhn was elected treasurer; and Mary McInroy was elected councilor for 11 roundtables, including MAGERT.

CUAC: Michael Fry and Katie Lage reported that they had attended the CUAC hosted by the U.S. Department of Agriculture (USDA)/Natural Resources Conservation Service (NRCS) in Beltsville, MD May 4 and 5, 2006. The National Archives and Records Administration (NARA), U.S. Geological Survey (USGS), Government Printing Office (GPO), Library of Congress, Bureau of Transportation Statistics, Bureau of Land Management, US Forest Service, Natural Resources Conservation Service/Soil Survey Division, Natural Resources Conservation Service (remote sensing), and the U.S. Census Bureau were in attendance.

- Katie is working on getting the BLM to send out the 1:100,000 Surface Management maps flat instead of folded. The 1:500,000 statewide maps may not be coming through the Federal Depository Library Program. The two most-recent are for Nevada and New Mexico. Please contact Katie if you have received them.
- The NCRS/Soil Survey has a new Web Soil Survey: http://weboilsurvey.nrcs.usda.gov/app/. They are archiving their data.
- GPO has a new Web OPAC and is soliciting comments (http://catalog.gpo.gov/F). The GPO representative encouraged members of CUAC member organizations to participate in GPO’s registry of digitization projects: http://origin.www.gpoaccess.gov/legacy/.
- The Library of Congress is exploring archiving the National Atlas and the National Map with the USGS. They are also working on a pilot project to provide sheet-level access to their set maps, starting with a set of Sudan. Texas and California are working with the Library of Congress on projects to scan Sanborn maps.
- The Bureau of Transportation Statistics has discontinued the Internet Mapping Center due to budget cuts. They will no longer disseminate transportation-related maps, mapping applications or data sets through the web. The future status of National Transportation Library is unclear.
- The USGS's vision is to move to on-demand delivery for maps & publications, but libraries will continue to receive print maps for the foreseeable future. The USGS is currently in the process of hiring a National Library Coordinator. Also, the USGS has begun to preserve and archive USGS topographic
quadrangles (all scales, all editions) through digitization. They hope to establish partnerships to facilitate collaborative scanning projects and eliminate duplication of effort. The end product (available soon at http://pubs.usgs.gov/historicquads) will be a publicly accessible Web-based collection of quadrangle images. USGS has developed scanning parameters. The Scientific Investigation Maps have not been coming through the depository program, but USGS is working on getting that straightened out.

**GSIS:** Linda Newman reported that the Geoscience Information Society will meet with Geological Society of America in Philadelphia October 22-25, 2006. More information will be available in June. Please submit papers.

**IFLA:** Dororthy McGarry reported that IFLA will meet August 19-25, 2006 in Seoul, Korea. David McQuillan is organizing Geography & Maps programs. Activities planned include a visit to a Korean folk village, the University of Seoul Geography Department, the Korean National Library’s map collection, and visits to an ancient map collection and a nearby geographical society. IFLA will be in South Africa in 2007 and Quebec, Canada in 2008.

**SLA G&M Section:** Dororthy McGarry reported that the G&M Section has an active schedule for the June 2006 Baltimore Conference. They are sponsoring or co-sponsoring a workshop “GIS for the Special Librarian: A Hands-on Introduction to Mapping with ArcGIS” and several tracts, including Author Miles Harvey talking about his book “Island of Lost Maps: A True Story of Cartographic Crime,” the Mary Murphy Contributed Papers on historical mapping, and a government mapping update. There will be a map collection reception at Johns Hopkins University’s Eisenhower Library where Dr. Peter Peterson will present on his recently published book “The Great Baltimore Fire.”

**NACIS:** Chris Thiry attended the October 2005 NACIS meeting in Salt Lake City. Talks on mapping included a presentation by Matthew Knutzen on moving the NYPL map collection in 2 days and a talk on geographic metaphors for the human body. The next NACIS will be in Madison, Wisconsin in October 2006.

Liz Paulus reported that there have been some major upgrades to the Geographic Names Information System (GNIS) and it is a good resource for coordinates of names for cataloging.

**OLD BUSINESS**

The decision was made to reject the EBSCOhost proposal to acquire the Information Bulletin current full text content. It does not appear to be advantageous to us at this time.

The Publications Committee wants to review the latest copy of the scanned version of Riley Moffet’s Index to USGS topographic maps before deciding whether to publish it.

WAML’s IB Bulletin volumes 1-36 have been scanned and the Publications Committee is exploring ways to develop an index for it. With indexing, a CD of the scanned back issues would be a useful product. The committee is working on developing indexing standards and then farming-out pieces to members, graduate students, etc. Anyone with interest or experience in indexing, contact David Deckelbaum. The Publications Committee will also explore the technical side of delivery of the index.

At the September meeting it was agreed that WAML wanted to donate money to assist map collections that had been damaged by Hurricane Katrina. After extensive research, Mabel Suzuki identified two map collections that had suffered hurricane damage. WAML will send the Louisiana State Museum and the Jackson Barracks Military Library $250.00 each. All institutions contacted appreciated our concern.
The University of Hawaii reconstruction completion date is currently January 2009. They will have to build a new utility building to get the utilities above ground. The Map Collection has acquired 120 new map cases, but still needs to buy more. They are ready to start accepting maps. Currently the map cases are scattered throughout the building until renovation of the map area is complete.

NEW BUSINESS

Janet Collins reported on the WAML Scanning Clearinghouse. The clearing house is linked to the WAML website. Janet would like input for version 2 (eg., update own record, structured metadata) and asked that people enter projects. The clearinghouse involved coordination between Mabel Suzuki, Julie Sweetkind-Singer and Katie Lage. Matt Paskus from Western Washington University did the programming and set-up the SQL database. Janet thanked Matt and presented him with a framed reproduction of a map from the Library of Congress collection.

WAML officer and appointees revised job descriptions will be firmed up shortly and distributed.

Chris Thiry will be conducting a membership drive using the new ALA Guide to US Map Resources. He will mail to all persons listed in WAML’s geographic area an invitation to join WAML at a first time members’ fee of $15.00. The offer will be good to the end of July 2006. WAML will also begin charging a conference fee differential for non-members, and the meeting registration form will have an option to pay the WAML membership fee.

Julie Sweetkind-Singer reported the Ad Hoc Web Committee recommended the formation of a standing Web Committee of 3 people to meet 4 times of a year (in person or virtually). The charge of the committee would be to maintain, update, and gather suggestions for the web site. Members would serve 2 year terms. The committee would consist of the webmaster, a News and Notes Editor, and one other person. They are currently recruiting a new webmaster. Katie Lage is the interim webmaster and will stay on the committee after a new webmaster is found. Linda Zelmer will continue to maintain the WAML Map Librarians Toolkit. The News & Notes Section (listservs, promotions, retirements, job openings, new maps listings, getting to know new members) will be revived and Cynthia Jahns will serve as News & Notes Editor until September. Let the committee know if you’re interested in volunteering for a position on it. Julie also thanked the committee for all their work on new web site. She presented certificates and chocolate to Cynthia Jahns, Katie Lage, Linda Zelmer, and Julie Hoff. Katie also received a swivel and tilt mini globe in thanks for all her work as webmaster.

Katherine Rankin was presented with a certificate and thanked her 10 years service as Book Review Editor for the Information Bulletin.

Wendie Helms thanked Julie Sweetkind-Singer for all her achievements over the past three years as vice president, president, and past-president of WAML and presented her with a plaque.

SOUNDING BOARD

- A call was put out for State Editors for the Information Bulletin. There are several vacancies. Since California is a large state, perhaps two people would like to split State Editor duties. State editors are also needed for Idaho, Wyoming, Montana, and New Mexico.
- Kathy Stroud announced an informal lunch on Friday for people interested in scanning projects.
- Chris Thiry announced that Cheryl Sun had retired from the Denver USGS. The USGS Library in Denver has 3 permanent staff, down from 13. USGS had advertised a position, but they closed it without filling it.
- Liz Paulus announced that
there was a new (7th) edition of *Oregon Geographic Names*. It is over 1000 pages and is accompanied by a CD-ROM. It is an authoritative work on the geographic names of Oregon and serves as a national model. Lewis A. McCarther and Lewis L. McCarther are the editors.

- Julie Sweetkind-Singer met with Joe Langdon, new head of the USGS Library in Menlo Park, CA. The Science Information Center is now part of the library. Joe is on the committee on archiving digital content, and working closely with EROS.
- Julie Sweetkind-Singer announced that Meredith Williams, the GIS manager at Stanford Earth Sciences Library is leaving. A job posting and description will be available soon.
- Michael Fry announced that Documents to the People is devoting an entire issue to maps projects. He is looking for articles to be submitted by September 5. Michael will be posting call for papers on Maps-L.
- A History of Forest Service CD-ROM and some BLM maps were handed out to interested parties.
- The room applauded Tim Ross for his efforts in organizing the Vancouver conference and Mabel Suzuki for her efforts as WAML President.

The first stated goal of the *Remote Sensing for GIS Managers* is to provide an “introduction to remote sensing history, technology and applications tailored to the needs of GIS managers and practitioners” (p. 7). The book more than adequately accomplishes this, devoting one comprehensive chapter to the history of remote sensing. Two chapters discuss the basics of remote sensing and characteristics of remote sensing imagery. A total of five chapters address specific sensors and some possible applications.

Two chapters discuss visual interpretation and imagery analysis, covering such traditional techniques as the normalized difference vegetation index (NDVI) and land cover classification, as well as more recent remote sensing topics, such as spectral mixture analysis and neural networks.

The second goal of the book is to introduce the field of remote sensing “with the goal of promoting its use in the production of useful geospatial information” (p. 7). This is very capably accomplished with chapter 12 in which eight different, specific applications for remote sensing are thoroughly discussed.

This is what sets this book apart from other, more academic textbooks. While other remote sensing texts talk about fields that remote sensing can be applied to, this chapter is devoted to specific case studies – complete with the type of data used, analysis performed, the time frame and costs for completing the project and the resultant output. In addition, chapter 13 provides a set of useful guidelines for implementing remote sensing within an organization.

The other two appendices are more directed to the management side of remote sensing. Appendix B lists characteristics of selected satellite sensors. By listing the wavelengths each sensor images and some common applications, managers have the information they need to acquire imagery for their organization.

The next step is covered in Appendix C provides a list of imagery vendors and government resources for imagery. This gives the reader a starting point for obtaining that imagery.

One major drawback of *Remote Sensing for GIS Managers* is the lack of a glossary. Many new terms are introduced throughout the book, and while the author does a good job explaining these terms in the text, or in footnotes, this is not helpful when the reader encounters the same word later in the book. The index helped in some cases, but did not always have the term listed, or, in some cases, the word was indexed incorrectly.
While the title of the book indicates that the audience is for GIS managers, this book could easily serve as a remote sensing class textbook, due to its comprehensive nature. Indeed, students would most likely appreciate the practical nature of the book. *Remote Sensing for GIS Managers* is recommended for GIS and/or remote sensing practitioners and libraries serving departments with a geospatial nature.

Dawn Martin  
GIS Coordinator  
Social Sciences and Humanities Library  
Univ. of California, San Diego

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**Terrain Navigator Pro (v. 7.02).** Nine CDs. Amesbury, MA: Maptech, Inc., 2005. $299.00

Several vendors produce topographical mapping software for consumer and/or professional use, including Maptech, National Geographic, and Delorme. One of the more full featured current offerings is Maptech’s Terrain Navigator Pro. Terrain Navigator Pro is offered on a state by state basis, with some smaller states grouped together into a single set. This review covers basic functionality and the user interface, and makes brief comparisons with the standard Terrain Navigator edition.

**Installation and Initial Use**  
Installation of Terrain Navigator Pro 7.0 was straightforward; afterward, I installed the 7.02 update, and had to register online for the one-year free access to the aerial photographs obtained from the Maptech map servers. There are a total of 9 CDs for the Nevada edition – two installation CDs and seven topographic map CDs. The seven map CDs could perhaps have been squeezed onto a single DVD, which would have been convenient.

It’s remarkably easy to begin using the program. If needed, help is available from the top menu bar. As with many Windows programs, most functions can be invoked via the pull down menu running across the top of the screen, a second toolbar with graphical icons, or by right clicking on a particular item to pull up a shortcut context menu with options driven by what the user clicks. A toolbar button allows the user to easily change between the three primary information sets: 1:100,000 and 1:24,000 USGS topographical maps, and 1:12,000 aerials. For some maps (such as urban areas), 1:3,600 aerials are also provided, showing detail down to parked cars and such. The topographic maps are very crisp, with minute detail visible on the 17” LCD monitor used for this review (set to 1280 x 1024 resolution). Apart from the urban areas, most of the aerials are less interesting than the topos. All topos are in color; some aerials are provided in color, though most are black and white. Navigating maps and aerials can be performed in several ways. By activating the seamless feature, the user can scroll continuously over contiguous maps and aerials. A tiny overview map in the top left hand corner of the screen shows the entire topo / aerial currently being accessed; this allows the user to quickly move from one part of the map to another. A “Center” tool allows the user to click on any part of the displayed map, and adjust the map so that the specified point appears at the center of the display. Constantly displayed on the toolbar are three important data elements – latitude, longitude, and elevation, each updated as the mouse changes position on the map or aerial.

An interesting feature is to tile two screens together – for example, the 1:100,000 topo and the 1:24:000 topo, or the 1:24:000 topo and the 1:12:000 aerials. Markers, routes, tracks, etc. that are drawn on one map are automatically reflected on the other. As the scales are quite different between the topos and the aerials, the user can use the “Two-Window Mode, Locked” mode to ensure that the same general area is always displayed. If the user scrolls west in the aerial, the topo in the adjoining window scrolls with it (though more slowly, as it’s at a larger scale). A convenient layers tool allows the user to quickly toggle between a user annotated map and a pristine untouched map. Displaying two maps side by side, the user can view a pristine untouched map on one side, and...
the corresponding annotated map on the opposite side. Or, the user can have one map displayed in 2D in one pane and 3D in the opposite pane. Note that the lock tool only works when both maps are in 2D mode.

### 3-D Maps

One of the big highlights of Terrain Navigator Pro is the ability to toggle between 2D and 3D maps and aerials. Contour lines on a 2D map indicate changes in elevation; such contour lines come to life viewed in 3D. Aerials can also be viewed in 3D. When the map is toggled to 3D, the physical geographic coverage of the map is greatly decreased from the 2D map. In 3D mode, several navigation aids are added to the screen to assist the user in navigating the map. One helps control the angle at which you are looking at or down upon the 3D topography (controllable by a sliding bar with three icons representing different perspectives; the closer to the ground the observer’s perspective, the more obvious elevation changes become). In addition, clicking and dragging the map allows one to rotate the map as well as control the perspective of view, from high in the sky to ground level (as if the observer were looking at the topography head on, walking within the mountains and valleys). Vertical exaggeration can also be increased or decreased if needed. It is not possible to annotate maps (create waypoints, tracks, routes, etc.) while viewing a 3D map; however, any annotations created on a 2D map are carried over when the map is toggled to the 3D view. Opening and rotating 3D maps taxed the barebones graphics processor only slightly, and not enough to be inconvenient.

### Tools

A true beauty of the various topographical mapping products is the ability to annotate maps. Terrain Navigator Pro allows the user to add a variety of information to the displayed maps, such as waypoints, tracks, and routes. As expected, invoking one tool or another can be done via the top dropdown menu, the toolbar menu, or by right-clicking on the map and pulling up a context menu. The “Route” tool allows the user to overlay waypoints by freehand by moving the mouse. The software automatically creates and labels the waypoints (“Wpt1,” “Wpt2,” etc.) with each mouse click, drawing a straight route line between each waypoint. Clicking on the route line pulls up a context menu offering several functions. The user can change various waypoint features such as the name of the waypoint, view the latitude and longitude coordinates, change the graphical symbol and color, and add additional comments. An interesting function allows the user to view the profile of the route he has created. The graphical profile (elevation on the vertical axis, distance on the horizontal axis) shows the hills and valleys as well as the waypoint locations along the route. Accompanying textual data shows the total distance, grade, and elevation data (elevation gain, descent, overall change, and minimum and maximum elevations). Moving the cursor along the profile updates the latitude/longitude, elevation, and elevation grade information. The profile can be printed. Unlike the standard version, the user can also perform line-of-sight calculations, which provides a graphical visual quickly telling the user what they’ll be able to see from their vantage point; this, too, can be printed. In addition, the Pro version offers several additional ways to annotate maps. One is the “Label” tool, which plants a callout box over the object of interest, into which the user can type an annotation. Another way to annotate and enrich the maps is with the “Geopin” tool. This allows the user to link additional information (such as a text file or a digital photograph) to a location on the map. This can easily be done by simply dragging and dropping the file onto the map. The Geopin appears as an icon of the program used to open the file in question (such as an icon of Microsoft Word to open a Word document). Clicking on the icon will launch the associated program and display the information. This feature is quite interesting and allows the user to really enhance the map by tightly integrating additional information of their choice with a point on the map.
The “Track” tool provides much of the same functionality as the Route tool. The main difference is that a track can be drawn freehand. Straight lines rarely exist when one is out hiking in the wild or driving a winding backcountry road. Once a track has been drawn, the software can create a route from the track (that is, create waypoints for the track). Controlled by the user, waypoints can be placed according to direction change, distance (i.e. each waypoint is x number of feet from each other), or by a user specified number created along the entire route (the more waypoints you choose to create, the more closely the created route will follow the freehand track). With both the Track and Route tools, as the path is created on the map, a running distance tally is automatically displayed at the bottom of the screen (when creating a route, it displays not only the distance between each leg, but an overall distance and heading information as well).

GPS Integration and Printing
Two popular features of modern topographic software include GPS integration and printing capabilities. Terrain Navigator Pro integrates well with GPS (global positioning system) units. I tested with a Garmin GPSMAP 76S. Configuring the software to recognize the GPS took less than a minute. Tracks, routes, and waypoints created with the software easily transferred to the receiver. Data can be sent to the GPS via the “Send to GPS” option. Data transfers were quick and seamless.

Modern topographic mapping programs have nice printing capabilities. Flexible printing options exist within Terrain Navigator Pro. A movable blue rectangle indicates the area that will be printed. Several options exist at the time of printing, such as adjusting the scale of the map (i.e. as a percentage), print quality, adding a caption, adding rulers and gridlines, etc. Data such as waypoint markers, track information, etc. can also be printed. Maps printed nicely onto my test HP 4500 color laserjet. Printed maps were produced flawlessly and crisply on the author’s test HP 4500 color printer, set to 600 dpi.

Comparisons with Terrain Navigator Standard Edition
In addition to the integration of photographic aerials, the Pro version offers several additional features not found in the standard edition. A chart available at the Maptech website compares major features of the standard and pro versions of Terrain Navigator (http://www.maptech.com/land/terrainnavigatorpro/docs/comparetn_tnp.pdf). To provide a brief summary, I compared the Nevada Terrain Navigator Pro edition with Terrain Navigator 50/50, v. 6.03. Overall, look and feel, tool bars, etc. are very similar. In addition to the aerials, the line of sight tool, and enhanced annotation capabilities already described, Terrain Navigator Pro offers several additional tools. A “Range Ring” tool, which overlays range circles over the map, at user-adjustable distances from the center object. This is useful to quickly gauge distances from the object of interest. A “Range / Bearing Line” tool offers the option to overlay range / bearing lines from the object. Once laid, the line provides distance covered by the line and the true bearing from the initial object.

The Pro version is enhanced by providing dynamic street address information. Scrolling the pointer along streets found on either the topos or aerials provides accurate street address information. Note, however, the USGS topographic maps are dated (and in some cases, the aerials as well). This is especially noticeable in urban areas, where change occurs. For example, I-215 in Las Vegas appears on the 1:3,600 aerials, but not the 1:12,000 aerials or either set of topographic scales. However, one can still find new streets using the “Find” tool, regardless of whether they actually appear in either the aerials or topos. The “Find” tool allows you to search various fields of information – such as all placenames, street addresses, and coordinates. There are other features available in the Pro version that I was unable to explore, such as exporting the maps and photos to outside GIS and CAD programs.

The initial price of $299 in-
cludes a one year subscription to the aerial photos via the Web. Additional years cost $99. Clearly the Pro version offers interesting integration in the form of aerials, street addresses, and greater compatibility with outside applications. The enhanced annotation capabilities and additional tool functionality such as line of sight visuals are valuable for some applications. Whether such features warrant the increased price is a judgment call to be made by individual libraries on a case-by-case basis, dependent on their budget, desired depth of collection, and programs of study or communities they support. Purchasing several states or regions would incur quite a price difference compared to the standard edition; for a single home state, this would prove less of a commitment. Perhaps eighty percent of the “wow” factor of such mapping software could be realized in the cheaper, standard version. Prospective buyers would also want to evaluate competing topographic mapping software offered by National Geographic and Delorme, and keep in mind that some level of satellite aerials are provided at such sites as Terraserver and Google Maps, albeit with far less manipulation or customization capabilities.

**System Requirements (found on the Maptech website) / Reviewer’s Platform:**

*(See Table 1 below)*

Maptech, Inc.
10 Industrial Way
Amesbury, Massachusetts 01913
978-792-1000
www.maptech.com

Jason Vaughan
Librarian
University of Nevada-Las Vegas
Las Vegas, Nevada

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This print and online publication was created as part of an assessment process to manage California’s national forests in its administratively defined southern region. The region includes the national forests of Angeles, Cleveland, Los Padres and San Bernardino and the 26 respective counties that have socioeconomic impact on these lands. This bureaucratic division ranges from the counties of Imperial in the extreme southeast to Sacramento and Marin in the north. The atlas definition of what constitutes California’s north and south is not that...

### System Requirements (found on the Maptech website) / Reviewer’s Platform:

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<th>System Requirements</th>
<th>Reviewer’s Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Windows 2000/XP</td>
<td>Microsoft Windows XP, Intel PIV 3Ghz, 1GB RAM</td>
</tr>
<tr>
<td>CD-ROM Drive</td>
<td>CD/DVD-ROM Drive</td>
</tr>
<tr>
<td>800x600 Display</td>
<td>1280 x 1024 display</td>
</tr>
<tr>
<td>16/24/32-bit video card, OpenGL Video Accelerator</td>
<td>Intel 82865G Extreme Graphics 2 Integrated Graphics (OpenGL 1.1)</td>
</tr>
<tr>
<td>Internet Connection to access aerial photos and updated topographic maps</td>
<td>Hi Speed Internet Connection</td>
</tr>
</tbody>
</table>

**Table 1**
which an average reader would expect, and no doubt my colleagues in San Francisco and Davis would be somewhat disconcerted by the notion that they were in Southern California.

After some textual preliminaries, introduction, statement of purpose, and map summaries, the atlas consists of 24 California county color-coded choropleth maps of the “southern region,” shaded to represent degrees of change from the late 1980s through the late 1990s. Although the first five introductory maps represent constants, (county boundaries, locations of federal lands, metropolitan areas), the majority of the maps depict countywide socioeconomic change (population, crime, unemployment, migration, wages, rate of economic growth, educational attainment) generally over a ten year period. Each full page map comes with 1-2 pages of accompanying explanatory text, oftentimes including additional graphs, charts or histograms.

The patterns the maps present are nothing surprising to Californians. During the period one sees more economically energetic and diverse Bay Area counties, and less so Los Angeles area counties, and even less activity in more rural and interior counties. The fastest growing populations are in less expensive interior/rural counties of Inyo, San Bernardino, Imperial and Riverside while the slowest are the expensive coastal counties or the built up urban counties. Generally differences in socioeconomic patterns in the southern region depict differences in counties that are either built out or coastal, as contrasted with those that are rural and interior. The publication is largely descriptive. As the authors state, “the atlas does not attempt to examine or explain all the cause-and-effect relations that are implicit in the maps” p. 2. It is part of a larger process to monitor “social economic changes that will impact management of federal lands.” (summation).

The print edition of the atlas is spiral bound on thicker textbook style 11x17 pages. It includes a CD-ROM of the publication.

The content might provide some useful information for those interested in California and socioeconomic trends, but since it is freely available as a PDF (see citation at beginning of review); I do not recommend acquiring it in print.

Greg Armento
Geography and History Librarian
California State University, Long Beach

Designing Better Maps: A Guide for GIS Users is a practical and helpful guide to basic principles of map design. Written for those with knowledge of statistics and geographic information systems, but not cartography, the manual presents an overview of map design. GIS software makes it easy to plug in data and create a map; however, creating a map is not the same as designing one. How does one choose the colors and symbols that effectively communicate your message? How does one arrange the layout of the map and place the textual elements to make the map clear and readable? Map-making is both science and art, and maps are created in order to communicate an idea. This book effectively guides the map-maker through the necessary decisions in order to create a map with a clearly stated message.

Cynthia Brewer is an associate professor in the Department of Geography at Pennsylvania State University. Her recent publications include “Mapping Census 2000, the Geography of U.S. Diversity” (with Trudy Suchan, OCLC#49954851) and the Color Brewer (http://www.ColorBrewer.org), a very helpful tool for selecting color schemes for maps. In addition to her regular classes at Pennsylvania State University, she teaches a class called “Cartographic Design Using ArcGIS 9” through ESRI’s Virtual Campus program. Now, with Designing Better Maps, she has
written a useful manual that fulfills its goal of helping GIS users to “develop the graphic skills needed for mapmaking” (p. 3).

Each chapter of Designing Better Maps addresses a different aspect of map design. Type, color, symbols, and marginal elements are addressed. The first chapter, “The Big Picture on Design,” provides an overview of all of the design issues to be considered: designing a map for its specific purpose and medium, planning the layout based on the map purpose, and choosing appropriate options for exporting the map from the GIS software. Chapter two, “Type Basics,” introduces font styles, sizes and spacing, and effects. Chapter three, “Effective Type in Map Design,” discusses label types, using labels to denote hierarchy and classification of map elements, and label placement. Chapters four and five discuss the use of color in maps. Chapter six covers map symbology, and chapter seven addresses how to put the finishing touches on a map by customizing the legend, scale, and direction indicator. Brewer includes a short but helpful list of additional monographic and serial resources on cartography.

Designing Better Maps is an excellent guide to the components of map design. Throughout, the text contains clear explanations, tips, and accounts of practical scenarios that successfully illuminate each aspect of map design. Each module is accompanied by excellent color illustrations and maps showing examples of weak or confusing design and effective design. The illustrations are numerous and well-designed (as one might expect).

This book promises to be useful to a range of map creators. The familiar tone and well-written paragraphs make for easy reading. The illustrations and examples effectively emphasize each point and are a highlight of the guide. The table of contents provides a list of each section of each chapter and the concepts covered in that section. This detailed table of contents acts as an outline or site map and makes it easy to use this manual as either a step-by-step resource or a quick reference guide.

Designing Better Maps has already been incorporated into a cartography class at the University of Colorado at Boulder. This is an important addition to any map collection with a cartography section or as a reference guide for the map librarian creating sample maps or instruction materials.

Kathryn Lage
Map Librarian
University of Colorado at Boulder
katie.lage@colorado.edu

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Teaching a college level GIS class? You will have to answer the question: will you have your students purchase a $70 workbook or should you depend on the tutorials that come with ArcView? The choice here is not so much between content and cost. The skills covered in ESRI Press’s GIS Tutorial: Workbook for ArcView 9 are nearly identical in subject and content to the tutorials that come with the software. No, the real choice here is between having a printed book in front of your students and having them use PDFs.

ArcView’s standard documentation includes a set of tutorials as PDF files and accompanying data. Besides those that get installed in the “Tutorials” folder, a number of lessons are included in the software manuals, most notably Using ArcMap’s “Quick-start tutorial.” (For this review, I will refer to these collectively as “the PDF tutorials.”) ESRI prides itself on thorough user documentation. The PDF tutorials are well written, give background on GIS and mapping concepts generally, and lead students through exercises designed to get them up and running with common GIS tasks as well as advanced features of the software.
The GIS Tutorial and the PDF tutorials use a very similar step-by-step pedagogical style, with each skill being reinforced by having the students complete one or two additional tasks with less didactic instructions—exactly the format that many GIS instructors adopt in their own lab materials. The writing in both is clear, and the instructions for each task are complete and accurate. Both make extensive use of screenshots to illustrate what should be taking place on the student’s screen. Both have open page layouts, with plenty of white space for notes.

Having recently examined my own institution’s GIS curriculum, I can attest that the material covered by the book is more up-to-date than that which is being taught in our introductory and advanced GIS courses. The nine chapters cover more than our one quarter introductory course, but not quite all the complex analyses that the advanced course teaches. In other words: it would be perfect for a full semester of lab work.

So: should you buy the book? $70 for a workbook is a bit steep. For library or self-study use, I have to say no. All of the same material is covered by the PDF tutorials, which benefit from searchability and indexes. Additionally, they are software manuals, so they include exhaustive descriptions of features not covered by the GIS Tutorial. Are you training yourself to use ArcMap? Stick with the PDF documentation.

However, if you are leading a class, this book is a more than adequate title around which to organize the hands-on components of your course. Additionally, there is one very compelling reason to use GIS Tutorial: Workbook for ArcView 9: it comes with a 180 day license for ArcView that can be installed at home. If you want your students to work at home, or if you do not have the facilities to give them sufficient access on campus, then this is an option for you.

Jon Jablonski
David & Nancy Petrone MAP/
GIS Librarian
University of Oregon.

Review Guidelines

These guidelines have been created to aid the reviewer on questions of format and general policies for reviews.

Review Format: The review should be presented in three sections: 1) the bibliographic citation, 2) the review, 3) identification of the reviewer. Please submit reviews via e-mail. Microsoft Word format as an attachment is preferred. You may also send your review on 3.5” floppy disks. Please note, if you send your review through floppy or e-mail, also send via fax or mail, a backup paper copy for verification of content. Floppies will be returned upon request. The bibliographic citation should include: Author’s name, title, edition (if applicable), place of publication, publisher, date, number of pages, price, LC number (if known), and ISBN number (if known). An example, including correct punctuation is given below:


Reviews should be double-spaced and follow the usual principles of paragraphing. If reviewed material is compared with other works, please include author’s name, title, publisher and date of publication within the review itself rather than using foot-notes. The review should be followed by your name as you wish to be cited, place of employment, including city and state.

Editorial Policies: The opinions and judgements appearing in WAML reviews are those of the author and do not reflect official sanction of WAML. The book review editor retains the right to make alterations in reviews submitted. If minor revisions do not alter the reviewer’s
intent, they will be made
without further communication. However, if the review editor feels that extensive revisions are needed, or if changes would result in altering the reviewer’s intent, such editing would only be made with the knowledge and agreement of the reviewer.

Review Content: To a certain extent the contents of a work must be described, however the reviewer should avoid making the review a list of the work’s contents. Rather the review should emphasize analysis, evaluation and comparative criticism. Questions, which should be considered in the review process, include: What is the purpose of the work? Has the content as described by the title been fulfilled? Has the author’s intent as described in the work’s preface and/or introductory remarks been realized in its content? How much of the work’s content is cartographic, or is it primarily written text illustrated by a few maps? How important is this work for research in geography and cartography? Should it be included in library collections, and what kind? The length of your review should be determined by the importance of the item being reviewed.

Reviews of books received by individual libraries that might be of interest to a wider audience are also invited, so long as they follow the review guidelines. Submit reviews to the Review Editor.

Thank you for your attention to these guidelines. Additional reviewers are always welcome. Please feel free to recommend other qualified reviewers who might be interested in submitting reviews to the Information Bulletin.

Katherine L. Rankin
Review Editor
WAML Information Bulletin
Catalog Department
University Libraries
University of Nevada, Las Vegas
4505 Maryland Parkway
Box 457034
Las Vegas, Nevada 89154-7034
Tel: (702) 895-2224

BEGINNING WITH VOL. 38, NO. 1, NOVEMBER 2006, THERE WILL BE A NEW BOOK REVIEW EDITOR:

Jon Jablonski
Review Editor
WAML Information Bulletin
Documents Center
University of Oregon
Eugene, OR 97403-1299
(541) 346-3051
jonjab@uoregon.edu
New Mapping of Western North America

compiled by

Ken Rockwell

University of Utah Library Catalog Department

ALASKA

Web access: http://library.state.ak.us/asp/edocs/2006/05/ocm69423500/index.html

Web access: http://library.state.ak.us/asp/edocs/2006/05/ocm69419688/index.html

Web access: http://library.state.ak.us/asp/edocs/2006/05/ocm68966684/index.html


[There are also numerous other maps of these regions showing “coplanar apparent resistivity” at various Hz levels.]

Miller, Marti L., et al. Mineral re-
<table>
<thead>
<tr>
<th>Map/Document Description</th>
<th>Location/Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[Arizona Geological Survey Website: <a href="http://www.azgs.state.az.us/order_info.htm">http://www.azgs.state.az.us/order_info.htm</a> ]</td>
</tr>
<tr>
<td><strong>BRITISH COLUMBIA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CALIFORNIA</strong></td>
<td></td>
</tr>
<tr>
<td>Caballero, James R. Mileage hiking maps. atlas (140 leaves), scale not given.</td>
<td>[Calif.:] James R. Caballero, pub. 2006. OCLC: 66463315 (Includes 139 detailed day hikes that cover over 900 miles of local trails primarily in Ventura County, Los Angeles County, and Santa Barbara County.)</td>
</tr>
</tbody>
</table>

142 New Mapping of Western North America
Announced on MAPS-L: Imus Geographics has just published a new map of the Sierra Nevada of California/Nevada, USA (scale 1:500,000, size 30” x 50”, shaded relief, landcover, 9 National Forests, 3 National Parks, 23 wilderness areas, 100s of towns, roads and trails). This map is the first in what will be a series of maps by Imus exploring America’s most dramatic landscapes. A winner of numerous awards in the American Congress on Surveying and Mapping annual map design competition, this is Imus’ best work to date. Available at www.imusgeographics.com.

**COLORADO**

10th Mountain Division Hut Association. Winter ski season. 1 map, scale ca. 1:130,000. Aspen, Colo.: 10th Mountain Division Hut Association, pub. 2005. OCLC: 64770633


Eagle County, Colo. GIS Department. The Eagle County street atlas. 10 maps; on 1 sheet, scales differ. Eagle, Colo.: Eagle County GIS Dept., pub. 2005. OCLC: 68045917


[Colorado Geological Survey website: http://geosurvey.state.co.us/]

### HAWAII


### IDAHO


Gillerman, Virginia S., et al. *Geologic map of the Thousand..."
### New Mapping of Western North America


[Idaho Geological Survey publications ordering: http://www.idahogeology.org/Products/Howtoorder/]

**MONTANA**


**Carstarphen, Camela A.** Data for water wells visited during the
Upper Clark Fork River area groundwater characterization study, Deer Lodge, Granite, Powell, and Silver Bow counties. 1 map, scale 1:250,000. Butte, Mont.: Montana Bureau of Mines and Geology, Ground-water assessment atlas no. 5 B-01, pub. 2004. OCLC: 65287975


NEVADA


SOUTHWESTERN U.S.


UTAH


WASHINGTON


Map Metrics. Road atlas of Stevens County: [Washington State]. 1 atlas (123 p.), scales differ.


WAML Information Bulletin 37(3) July 2006

WESTERN U.S.


WYOMING


YUKON TERRITORY

Benchmarks

In late March, the David Rumsey Collection (http://www.davidrumsey.com) announced that they had added another 1048 maps to the David Rumsey Collection. The following are highlights from the new maps added to Collection.

Dangeau, abbe de, 1693. *Nouvelle Methode, la Geographie*. Manuscript. - French Atlas of outline maps by Dangeau, perhaps some of the earliest examples of outline maps used for teaching geography.


Jefferys, Thomas, 1760. *Natural and Civil History of the French Dominions in North and South America*. London. - 18 Maps. 1st edition, published during the French and Indian War. This work describes and maps many of the French possessions that were to pass to England at the War’s conclusion in 1763.


(Schneider, J. H.); Bruyset, Jean-Marie, 1784. *Atlas des enfans*. Lyon - 25 maps and plates. An early French school atlas that was published in many editions.


The new maps also include 8 Atlases of Westchester County and Northern New York City, ranging in date from 1881 to 1914. The atlases show rapid suburban growth over 30 years along the railroad lines running north from New York City. Titles include Bromley, Westchester County 1881 (first edition); Bromley, Westchester County 1910; Bromley, Westchester County 1914 (two volumes); Bromley, Northern New York City, 1893; Hyde, Westchester County 1900; Hyde, Rural District North of New York City, 1908; and Mueller, City of Yonkers 1907.

Canadian News

Canadian National Atlas Celebrates 100th Anniversary

June 2006 marks the 100th Anniversary of the Atlas of...
In recognition of this achievement, a special series of maps will be published throughout 2006 that demonstrates the Natural Resources Canada’s continuing commitment to disseminating authoritative geographical information in high-quality maps, a role that they have filled since the publication of the first edition of the Atlas of Canada in 1906. The maps in the series include a wide range of geographical themes on Canada’s economy, environment, history, natural resources and population. New maps will be added throughout the year.

In addition, this series of maps offers more detail than the current reference maps on the Atlas Web site and is suitable for high-resolution plotting, using either JPEG or PDF versions. The PDF version is recommended for printing as it allows users to print a page showing just a province or regional-level area while retaining the precise detail and quality seen at the national scale. Please note that the colours and quality of printed maps will vary, depending on the printer used.

The Atlas of Canada’s 100th Anniversary is also being celebrated at GeoTec, the largest geospatial technology event in Canada. The theme of the Conference, Celebrating History and Innovation, marks the centennial of the Atlas and the 20th Anniversary of GeoTec. It took place in Ottawa, Canada, June 18 to 21, 2006 at the Ottawa Congress Centre. The conference features sessions that commemorated contributions of the Atlas of Canada, and the contributions by Canadians in the advancement of geospatial technology.

In addition to these special sessions, the GeoTec Event included a comprehensive educational conference with keynote speakers, in-depth workshops, breakout sessions in multiple tracks, best-practice case studies, roundtable discussions and vendor presentations. An expanded trade show featured industry vendors from around the globe. New this year is a joint conference program with nine professional associations and organizations.

History of the Atlas of Canada

A history of the Atlas of Canada is available online at http://atlas.nrcan.gc.ca/site/english/aboutus/index.html. The web site contains information on the various editions of the Atlas that have been published. The earlier editions of the Atlas of Canada have been scanned and are available at: http://atlas.nrcan.gc.ca/site/english/maps/archives.

Cataloging News

Library of Congress to Cease Series Control

On June 1, 2006, the Library of Congress implements its decision not to create/update series authority records and not to provide controlled series access points in its bibliographic records for resources in series.

With the exception of those categories listed below, LC will create bibliographic records for all resources in series and assign “classed separately” call numbers (i.e., a specific call number appropriate to the topic of each resource).

In newly-created bibliographic records for LC original cataloging (040 $a is solely “DLC”), the series statement will be given in a 490 0# field. LC will not use the 042 “pcc” code in any record for a monograph or integrating resource.

In newly-created CIP-partnered cataloging, in PCC member copy used for cataloging, and in non-PCC copy cataloging, existing series statements/access points will be accepted as is and “passed through.” If the other library’s call number is a “collected set” call number (i.e., series numbering included at end of subfield $b), that call number will be retained in the record as a 050 14 field.

LC’s revised decision to “pass through” series access points when found on records used for copy cataloging will significantly reduce the number of situations when an LC-issued record without series access points might overlay a record in OCLC that has series access points. However, OCLC is still investigating the issue of how to protect controlled series information in the following situations: (1) when LC distributes
a new version of an LC record with a 490 0 series statement and the OCLC version has been enhanced, or (2) when there may be an existing WorldCat record with controlled series information for the same title for which LC has done original cataloging.

Series bibliographic maintenance will be restricted to adding or correcting series statements (490 0#); controlled access points (440/8XX fields) won’t be added or modified.

The PCC Policy Committee has announced that the PCC series policy remains unchanged.

The Library of Congress will continue to delete duplicate series authority records reported by PCC participants and by other libraries. LC will continue (1) to answer questions for PCC participants creating and updating series authority records and (2) to process error reports and answer questions from other libraries if doing so doesn’t involve research, e.g., retrieving resources from the Collections.

LC is prepared to continue to coordinate and conduct series training for PCC participants; LC and the PCC Steering Committee will be discussing this topic.

Revisions of the four “basic” Library of Congress Rule Interpretations (for rules 1.6 [PDF: 7 p.; 137 KB], 13.3 [PDF: 3 p.; 173 KB], 21.30L [PDF: 8 p. 210 KB], and 26.5A [PDF: 14 p.; 325 KB]) are posted here. Other documentation, revised during June, will also be posted and will be included in the November update of Cataloger’s Desktop, etc.

For more information (including the codes in 040 and 042 fields), see the PCC series FAQ.

Exceptions to the LC series policy to analyze in full and classify separately include:

1. The following categories will not be analyzed and will be classed as a collection; series authority records will not be consulted, created, or updated:
   - Numbered multipart monographs with all parts lacking analyzable titles
   - Unnumbered multipart monographs cataloged per “2A cataloging” guidelines (“2A cataloging” is a local LC practice to create a made-up collected set record for an unnumbered multipart monograph, assigning numbers to parts as received)
   - Complete editions of collected works of individual composers (classed as M3)
   - Auction and sales catalogs
   - Legal multipart monographs identified by LC’s Law Library

2. The following category will not be analyzed and will not be classified; series authority records will not be consulted, created, or updated:
   - Technical report series identified by LC’s Science, Technology, and Business Division or LC’s Asian Division and shelved in those divisions

3. The following categories will be analyzed in full but will be classed as a collection; series authority records will not be consulted, created, or updated:
   - Scholarly collections of music historical sources eligible to be classed together in M2
   - “Web access to monographic series” project in LC’s Social Sciences Cataloging Division
   - Microform sets
   - Proceedings of a single conference published in more than one volume with analyzable volume titles
   - Legal monographic series and multipart monographs identified by LC’s Law Library

Source: Library of Congress Cataloging Directorate Web Site.
Conferences & Classes

Western Association of Map Libraries. Fall, 2006 Meeting. Northern Arizona University. Co-Hosts: Todd Welch (Todd.Welch@nau.edu) & Janet Collins (jeollins@wwu.edu).


Maps and Society, The Warburg Institute, Fifteenth Series: 2006-2007. Lectures in the history of cartography convened by Catherine Delano Smith (Institute of Historical Research) and Tony Campbell (formerly Map Library, British Library). Meetings are held on selected Thursdays at The Warburg Institute, University of London, Woburn Square, London WC1H OAB at 5.00 pm. Admission is free. Meetings are followed by refreshments. All are most welcome. Enquiries: +44 (0) 20 8346 5112 (Dr Delano Smith) or t.campbell@ockendon.clara.co.uk. See http://www.maphistory.info/warburgprog.html for a listing of talks during the coming year.


Association of Pacific Coast Geographers. Eugene, OR. September 6-9, 2006. URL: http://apcg.uoregon.edu/.


Northeast Map Organization (NEMO). 20th Annual Meeting, To be Arranged. URL: http://northeastmap.org/


Digital Spatial Data

Wetlands Data Download Site

The Fish & Wildlife Service now offers users the option of downloading wetlands data by quadrangle name. The new tool does not require the use of the Wetlands Mapper to download data. Using the new Wetlands Data Extraction Tool, users can download current seamless wetlands data as viewed on the Wetlands Mapper. The Wetlands Data Extraction Tool uses the USGS topographic quadrangle names for area selection and extraction. People unfamiliar with the name of the quadrangle of interest can use the Wetlands Mapper to zoom to the area of interest and view the quadrangle names. Depending on the region, users can extract data for USGS 1:24,000 or 1:100,000 for the lower 48 states. Alaska, Hawaii, Puerto Rico and the USVI, Pacific Trust Territories have different features are used for data extraction. All data downloaded using the Wetlands Data Extraction Tool will be in the Geographic Coordinate System (GCS) with a North American Datum (NAD) of 1983. The Data Extraction tool offers NWI wetland polygon data, metadata, and historic map report information.

Employment

Associate Academic Librarian Digital Spatial Data/GIS, University of Wisconsin-Milwaukee - General Information: The American Geographical Society Library is one of North America’s foremost geography and map collections. Formerly the library and map collection of the American Geographical Society (AGS) of New York, it was transferred to the University of Wisconsin-Milwaukee Libraries in 1978. The AGS Library is seeking a creative, enthusiastic librarian to assist the many groups active in GIS related instruction and research across the UWM campus. This full-time Academic Professional appointment is at the Associate rank. As the incumbent builds experience at UWM through excellent job performance, professional development and service, s/he may qualify for continuing appointment and/or promotion to higher ranks.

Responsibilities: The Digital Spatial Data/GIS Librarian is responsible for the daily operations of the Digital Spatial Data Clearinghouse. Responsibilities include: providing direct, general, and specialized reference service to digital spatial data collections; overseeing collection development, cataloging, archiving and maintaining of digital spatial data clearinghouse materials; working with Libraries Automation department to keep in operational order all computer and peripheral equipment related to the digital spatial data clearinghouse; providing digital spatial data instruction to faculty, staff and students as requested; consulting with Libraries staff to develop spatial data collections; and providing backup general reference services in the AGS Library. This position reports to the Curator of the American Geographical Society Library.
Qualifications: Required: MLS/MLIS from an ALA-accredited institution and/or advanced, terminal degree in another relevant subject discipline; a degree or certification or at least 2 years experience in geography, cartography or related field; experience with geographic information systems and digital spatial data; demonstrated knowledge of maps in traditional formats and cartographic information in digital form; proven analytical and problem-solving skills; ability to work well independently and with others; demonstrated ability to communicate effectively; good customer service skills.

Desired: Advanced degree in geography, cartography or related discipline; experience with database and web design; experience working in an academic or research library; and supervisory experience.

Terms of Appointment: This is a full-time probationary academic staff appointment, annual (12-month basis). Salary range 4, $37719 minimum, commensurate with experience and qualifications. Excellent fringe benefits included, including health insurance and pension.

Application Procedure: Applicants must submit a letter of application, a current resume, transcripts and names/addresses of three current professional references. Please submit applications to Craig Wesley, Interim Head, Personnel, UWM Libraries, P.O. Box 604, Milwaukee, WI 53201. Tel: 414/229-6201 e-mail: wesleyc@uwm.edu. Review of applications will begin 5-1-06 and continue until the position is filled.

Map Librarian, The University of Tennessee Libraries - Join the Reference and Instructional Services (RIS) team at The University of Tennessee Libraries during an exciting period of change and opportunity. We are seeking a creative, user-oriented professional to serve as Map Librarian and subject liaison for Geography. Play a key role in shaping the future of Map services at the UT Libraries as we enhance virtual access to collections and transform our environment to improve both collaborative learning spaces and research-intensive spaces. Outreach and user education for faculty and students who need map, geospatial, and geographical resources is an important emphasis of this position.

This is a tenure track position, with the requisite requirements of research and service. Appointment at rank of Assistant or Associate Professor, dependent upon qualifications. Minimum salary is $42,000.

Qualifications

Required: MLS from ALA-accredited program. Knowledge of map librarianship and the application of GIS services in libraries. Experience or coursework in reference services. Excellent interpersonal skills and a commitment to high quality user services. Demonstrated ability to work both independently and in a collaborative work environment. Evidence of strong oral and written communication skills with the potential to excel as an instructor. Knowledge of emerging library technologies and the ability to work in a highly networked environment. Commitment to scholarship and professional growth. Preferred: Degree in geography or related field and experience using GIS software (ArcGIS). Familiarity with government documents, map cataloging practices, and FGDC metadata. Knowledge of collection development practices for maps and scholarly communication in geography or related fields. Public service experience in an academic library. Supervisory experience. Additional information about this position and the UT community is available at http://www.lib.utk.edu/lss/lpp/maplib.html

Map Librarian; University of Florida - The George A. Smathers Libraries at the University of Florida seek a customer service oriented individual to lead, develop, and manage the Map and Imagery Library, the largest map library in the southeastern U.S. and the fifth largest academic map library in the United States. Working as a member of the Spatial Information Services Team in the Government Documents Department, the Map Librarian (LP#00006570) will
provide patrons in-depth reference service, research assistance, and instruction in the use and interpretation of all materials, from antique paper maps to digital satellite images. The incumbent will be responsible for all aspects of the library that include but are not limited to: organization, patron assistance, circulation, collection development, and processing. The Map Librarian will work with the Catalog and Metadata Department to identify and set priorities for cataloging items in the collection. In addition, the incumbent will supervise the Map and Imagery Library’s Web activities. As a tenure track faculty member the individual will be expected to meet the requirements for tenure and promotion in the areas of professional responsibility and working relationships, professional development and scholarship, and service to the Library, the University, the State, and the profession.

Responsibilities: Provides reference services, individual consultations and instruction to faculty, staff and students for Map and Imagery and Government Documents collections; Coordinates with Technology Services to acquire, process, and catalog Map and Imagery Library materials; Supervises and coordinates the efforts of three fulltime Map and Imagery Library staff members and multiple student assistants to achieve service, collection, and processing goals; Coordinates with library colleagues and area studies centers and programs to develop specialized collections; Collaborates with the Spatial Information Services Team and Digital Library Center on the planning and implementation of digital spatial and numeric data collection initiatives, policies, and procedures that utilize Map and Imagery Library resources; Participates in planning, policy formation, and decision making related to Government Documents services, collections and new technologies. Works with other departments to develop and implement grants as appropriate; Participates in Library, University, and professional committees; Works towards meeting the requirements for tenure and promotion, including: publishing and other professional activities.

QUALIFICATIONS:

Required:
1. Masters degree in Library or Information Science from an ALA-accredited program or in another relevant field, such as Geography, Geomatics, Urban Planning, etc.
2. Academic or work experience with map collections.
3. Demonstrated supervisory skills.
4. Strong public services approach and outlook.
5. Effective verbal and written communication skills.
6. Demonstrated ability to establish and maintain effective working relationships with faculty, students, and co-workers.
7. Demonstrated potential for meeting the requirements for tenure and promotion.

Preferred:
1. Previous academic/research library experience.
2. Previous cataloging experience.
3. Familiarity with current GIS, remote sensing, and database development terms and concepts.
4. Previous experience developing and maintaining Web-based information delivery.

Please reply by e-mail. Send, as attachments (MS-Word format preferred), a cover letter, resume and list of three references. Include address, telephone and email information for references. Please include a 250-word essay expressing your opinion on the topic “The role of the map librarian in an increasingly digital academic environment”. Apply by July 1, 2006 (applications will be reviewed as received). Refer to Position 036303. Send all required application materials to Brian Keith at: brikeit@uflib.ufl.edu

Assistant or Associate Librarian: Head, John R. Borchert Map Library - The University of Minnesota Libraries seeks innovative and energetic applicants for the position of Head, John R. Borchert Map Library, one of the largest and most heavily used academic map libraries in the nation. This position, reporting to the Director for Social Sciences and
Professional Programs, provides an excellent opportunity to lead the library in all aspects of map librarianship. The Borchert Map Library houses a collection of 350,000 maps representing five centuries of cartography, 400,000 aerial photographs, and a substantial atlas and reference collection. Within the Borchert Map Library is the award-winning Automated Cartographic Information Center (ACIC), a state-of-the-art GIS facility with 10 workstations providing access to a wealth of geospatial data and a comprehensive set of software programs. The Borchert Map Library supports the University of Minnesota’s top-ranked Geography Department, in addition to drawing researchers from across the campus and the general public. As a Regional GPO Map Depository Library, the Borchert Map Library serves a leading role in the Upper Midwest library community. The University Libraries are an integral part of campus life and a significant contributor of resources and programs within the metropolitan area and the state. The Libraries offer a highly collaborative environment, programs to develop and integrate digital resources and tools, digitization services, literacy initiatives, a commitment to organization development, and a record of national and international collaboration. This is a full-time, 12-month, academic professional position on continuous-appointment track. Appointment is at the Assistant or Associate Librarian rank, depending on qualifications. The Libraries offer a competitive salary, commensurate with experience. Excellent benefits and substantial moving allowance.

**Duties:** Specific duties will include: Administer all activities of the John R. Borchert Map Library, including reference service, collection management, supervision of processing and cataloging, instruction, conservation, outreach and public relations; supervise the Assistant Map Librarian and one Library Assistant III. Manage the Automated Cartographic Information Center (ACIC) located within Borchert, including hardware, software and data acquisitions, reference service, development of new digital resources and programs, and supervision of two lab assistants. Develop, maintain, and preserve collections in the field of Geography; serve as liaison to the Geography Department; participate in Geography Department programs and functions; manage and expend Borchert Map Library Endowment Fund in consultation with Geography Department chair. The successful candidate will also collaborate with other Academic Programs departments to extend and enhance the Libraries’ role in campus-wide GIS activities. In addition to responsibilities within the Borchert Map Library, the successful candidate will be expected to play a leadership role within the Social Sciences and Professional Programs Department, part of the University Libraries’ Academic Programs Division, as well as contributing to the Libraries, the campus, and the profession, engaging with colleagues nationally as s/he works toward continuous appointment.

**Qualifications:** Required qualifications: ALA-accredited Masters degree in Library/Information Science, or equivalent combination of an advanced degree with relevant experience; excellent communication and interpersonal skills; demonstrated creativity, initiative and self-direction; ability to respond effectively to changing needs and priorities; ability to work both independently and in cooperation with colleagues and library users in a diverse, service-oriented, collaborative environment; demonstrated expertise with geographic information systems (GIS). Preferred qualifications: Undergraduate and/or graduate degree in geography or related discipline; previous professional experience in a map library; demonstrated experience supervising professional and paraprofessional staff; ability to work successfully and collaboratively with colleagues in the Libraries and the Geography Department; demonstrated experience with collection development, reference services, and instruction; knowledge of scholarly communication issues; demonstrated involvement in professional activities.

**Application Instructions:** Position available immediately. Applications will be accepted
until filled. Send letter of application, resume, and the names, addresses, telephone numbers, and e-mail addresses of three current professional references to: Human Resources, 499 Wilson Library, University of Minnesota, 309 19th Ave. So., Minneapolis, MN 55455. Please identify the application with UL212.

Geographic Information Systems (GIS) Manager, Stanford University, Branner Earth Sciences Library

General description: The GIS Manager is a member of the Science and Engineering Resource Group (SERG) of the Stanford University Libraries (SUL). Together with the GIS & Map Librarian, the GIS Manager sustains and strengthens the GIS program as the primary provider of GIS-based services, research consultation, and user education to Stanford University (SU) students, faculty and staff from all departments across campus.

This position is based in the Branner Earth Sciences Library, but the GIS Manager collaborates with and provides high-level technical support to other resource groups on campus in an effort to establish coordinated GIS support to the entire campus. Since s/he will provide GIS support to users from a wide-range of academic disciplines (Earth Sciences to History to Epidemiology) the ideal candidate will have demonstrable experience in applying GIS methods to a variety of disciplines.

In support of campus research and instructional needs, the GIS Manager designs and delivers instruction to GIS users, assisting the integration of GIS skills into the curriculum. S/he also leads an ongoing outreach program to expand understanding and utilization of GIS throughout all appropriate departments at Stanford.

The GIS Manager collaborates with library staff and faculty members to develop and implement new directions and long-range plans for improving the provision of GIS services. The GIS Manager supports the GIS operations in Branner Library, which include: selecting GIS software, data, hardware and peripherals; training and supervising a student staff person to assist with GIS services and Website maintenance; managing campus-wide GIS software licenses; and maintaining four networked public PCs, dedicated to GIS.

Specific Duties and Responsibilities: Provides expert GIS consultation services to users with varying needs and abilities ranging from basic GIS skills to research level analysis involving manipulating, customizing, querying, or modeling of data. This may at times be in greater depth for patrons needing special assistance for courses or projects heavily using GIS. Works with GIS & Map Librarian on all aspects of the program from outreach, data acquisition, and collection management to future planning for services in the campus user community. Designs, creates and delivers GIS training and documentation to patrons and staff. Content of the training varies from group to group, ranging from accessing GIS data to teaching a specific GIS software application. This includes giving demonstrations ranging in size from one individual to classrooms of fifty people or more. Assesses ongoing campus user needs for GIS. Maintains current awareness of GIS data availability (including Internet resources), software, and hardware. Continually builds and maintains campus-wide access to over one terabyte of GIS data. Configures, updates, and troubleshoots Branner Library’s four GIS workstations in a networked environment. Designs and manages the Branner library GIS web site, including access for users to download GIS software programs. Manages a list serve, stanfordgis@lists, to facilitate communication among GIS users at Stanford. Hires, trains and supervises one part-time student who assists with Website editing and various tasks in support of GIS services. Serves as a software license administrator by providing Windows and UNIX hardware and software key codes for over 30 GIS software applications. This includes managing a MS Access database tracking GIS use across
Serves as Stanford’s primary contact to ESRI, our most heavily-used GIS software company, and is authorized to contact their technical support. Maintains awareness of current trends in GIS & related technologies by attending user conferences and regional meetings, communicating with staff and faculty from GIS labs at other universities, and through communication with the Stanford campus administrative units using GIS, such as the Planning and Facilities Offices. As a member of the SUL Expert Partners (EP) program, s/he is one of two staff members responsible for providing EP support to Branner Library staff.

Qualifications Minimum three years work experience or academic background with ESRI products is required. This includes the ability to use, test, analyze (at an advanced level), document and provide training for geographic information systems software. The ability to manage GIS projects from start to finish is a must. Familiarity with other GIS/GIS products is highly desirable. Knowledge of spatial data formats and metadata issues required. Some GIS programming/scripting experience (VBA, Python) preferred. Bachelor’s degree (Masters preferred) in Geography, or a related Engineering, Physical, Social or Computer science discipline. Demonstrated experience with planning and executing significant improvements in programs, showing initiative, independence and sound judgment in problem-solving. Experience in teaching or working in a public service unit where training others is necessary. Experience with common Windows software, such as MS Office, including Access. Experience with web page creation, preferably using Dreamweaver software and having knowledge of HTML, JavaScript, and Perl. High degree of computer literacy and interest in current advances in new technologies. Experience with Windows operating systems, including installation and configuration of hardware & software in a networked computing environment, and in applying diagnostic techniques for troubleshooting. Ability to manage multiple projects simultaneously, working collaboratively with all levels of users and staff. Demonstrated ability to communicate effectively in written and spoken English. Excellent interpersonal skills and the ability to work effectively with a diverse clientele.

Applicants must Apply online at: http://jobs.stanford.edu/openings/display.cgi?Job_Req=010613&Fam=NIL&JOCODE=5017. The requisition number for this job is 010613.

**Metadata Librarian, The Pennsylvania State University Libraries** - Pennsylvania State University Libraries seeks an innovative and highly motivated librarian to provide creative leadership and expertise in developing and maintaining metadata to effectively provide access to the Libraries’ digital resources covering all subjects and languages according to nationally recognized standards. This is a tenure track faculty position and the Metadata Librarian is a member of the University Libraries faculty.

Responsibilities: Reporting to the head of Cataloging and Metadata Services, the successful candidate will be responsible for providing expertise and leadership to the Libraries’ digital and scholarly communications initiatives by providing metadata and metadata guidelines for digital collections. Collaborate with other librarians and library staff, Penn State Press staff, Penn State faculty, and colleagues in other research institutions to evaluate and apply appropriate metadata schemas for digital collections held by the Libraries and University. Provide leadership in the development of standards, policies and procedures across Technical Services, with particular responsibility for digital resources. As a member of the Digital Technology Advisory Group, manage and coordinate the process of implementing metadata, including needs assessment, metadata scheme adaptation, metadata interoperability, project management, and working with partners from various units. Serve as a resource person for faculty and staff throughout the Libraries concerning access to library materials. Present information about digital initiatives and metadata
in particular to a variety of audiences. Create and maintain local documentation on metadata standards and metadata application guidelines. Monitor and contribute to the development of national standards regarding the bibliographic control of digital resources. Explore new technologies and developments in digital applications and metadata implementation. Train staff to provide metadata for digital resources and provide quality control for digital object metadata. Participate in departmental and Libraries-wide committees, task forces and teams.

Qualifications: ALA-accredited MLS or equivalent degree; knowledge of AACR2r, LCSH, LC classification, USMARC formats, integrated library system software, and OCLC Connexion; knowledge of digital asset management systems, such as CONTENTdm; experience with one or more of the following standards: EAD, Dublin Core, XML, OAI, METS, VRA-Core and PBCore; knowledge of how digital library collections are used in an academic setting; strong technical skills and problem-solving abilities; excellent oral, written, and interpersonal communication skills; strong commitment to excellent service and the ability to work independently and collaboratively with a wide variety of library staff and users; reading knowledge of a foreign language; ability to work well with a diverse employee and user community and to work within a collegial environment. Preferred: Two years experience with initiatives to provide access to digital resources; experience in the use and manipulation of Perl scripts; experience with text encoding and analysis.

Salary and Benefits: Potential for promotion and tenure will be considered based upon University standards in librarianship, research, service, and outreach. Salary and rank commensurate with qualifications and experience. Excellent fringe benefits include liberal vacation, excellent insurance and health care coverage. State or TIAA/CREF retirement options, and educational privileges.

Applications: To apply, send nominations or letters of application (including current resume and name and contact information of three professional references) to: Libraries Human Resources, Box MDL-MAPS, The Pennsylvania State University, 511 Paterno Library, University Park, PA 16802. Review of resumes will begin on August 1, 2006 and continue until the position is filled.

Federal, State & Local Government News

Energy Corridors in the West

The Department of Energy (DOE), the Department of Interior’s Bureau of Land Management (BLM), the USDA Forest Service (USFS) and the Department of Defense (DOD) recently released a map showing preliminary energy corridors on Federal lands in 11 Western States. The map shows possible corridors for electric transmission lines and oil, natural gas and hydrogen pipelines that were identified based on comments received during a public scoping period in the Fall of 2005. It serves to inform the public about progress in the identification of potential corridors. The four agencies involved are preparing a draft Programmatic Environmental Impact Statement (PEIS) to identify the impacts of designating energy corridors on Federal lands in the 11 States, as directed by Congress in Section 368 of the Energy Policy Act of 2005.

Comments and suggestions about the preliminary corridors shown on the map are being invited. Comments should be sent to Julia Souder, U.S. Department of Energy 8h-033, 1000 Independence Avenue, S.W.; Washington, D.C. 20585. The public will also be given an the opportunity to comment on a Preliminary Environmental Impact Statement, which the agencies expect to release later this year. An electronic version of the map, as well as additional information about corridor designation and the PEIS, is available on the project website at http://corridoreis.anl.gov. The website also provides a way to submit comments electronically.
Bureau of Reclamation History Published

The Bureau of Reclamation recently has the first of two volumes documenting its history, innovations, and its activities related to the development of the American West.

The book, *The Bureau of Reclamation: Origins and Growth to 1945*, was written by Professor William D. Rowley (University of Nevada, Reno) with assistance from Dr. Donald J. Pisani, University of Oklahoma, and Dr. Donald C. Jackson. The book is available for $47.00 from the U.S. Government Printing Office. This volume, which is volume 1 of a planned 2-volume set, tells the story of Reclamation from its beginnings to the end of World War II. It includes information on important projects, events, and personalities during the Bureau’s history in the first half of the 20th century. It also includes a more detailed and chronologically organized progression. Volume II will cover the era of Reclamation’s history after World War II, an era generally less visited by historians.

Census Bureau Awards Automation Contract

In late March, the U.S. Census Bureau selected Harris Corporation for a five-year contract to support the Field Data Collection Automation Project. This project involves the use of mobile computers that will enable field representatives to collect data and reduce costs for the 2010 Census.

Harris Corporation, an international communications and information technology company based in Melbourne, Fla., will supply the IT infrastructure, support services, hardware and software to support a network for almost 500 local Census Bureau offices and approximately 500,000 hand-held electronic devices that will be used around the country. Several other companies will be involved in the contract, including Unisys, Accenture, Client Network Services Inc., Sprint, Dell, High Tech Computer Corporation, Oracle and Headstrong.

NOAA Launches GOES-N

NOAA announced the launch of GOES-N, a new geostationary operational environmental satellite, designed to track hurricanes and other severe weather impacting the nation, was successfully launched by NASA on May 25, 2006. The satellite, initially called GOES-N, will be designated GOES-13 once it reaches final orbit and undergoes testing. It will supply data critical for fast, accurate severe weather forecasts and warnings. It will also be used to monitor solar storm activity, relay distress signals from emergency beacons, monitor the oceans and scan the landscape for the latest drought and flood conditions.

GOES-13, the first spacecraft in the new GOES-N/O/P series, features a highly stable pointing platform, which will improve the performance of the imager and sounder instruments. GOES-13 also has expanded measurements for the space and solar environment monitoring instruments. The satellite also features a new dedicated broadcast capability to be used by the Emergency Managers Weather Information Network and a new digital weather facsimile capability for higher quality transmissions of data and products.

Geospatial Modernization Blueprint Available

The Geospatial Modernization Blueprint is a planning process that is defining how geospatial data and technology will be used to enhance the business activities of the Department of Interior (DOI) and support fulfilling its mission and goals. The Geospatial Blueprint will describe a recommended path to a target future state and milestones for measuring performance. It will meet DOI strategic, business and technical requirements by improving cost management, business practices, investment planning and decision making. More information on the recently completed Blueprint is available at: http://www.fgdc.gov/fgdc-news/mbt-final-charter-021306/.

NASA’s CloudSat Tested

NASA’s CloudSat, which was launched April 28 from Vandenberg Air Force Base, Calif.,
along with NASA’s Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations satellite, is now operational. Mission managers tested the flight and ground system performance of the satellite’s Cloud-Proﬁling Radar in late May, and found it to be working perfectly. The satellite’s ﬁrst images may be viewed at: http://www.nasa.gov/cloudsat. The CloudSat radar image shows the storm’s clouds and precipitation simultaneously.

Just 30 seconds after radar activation, CloudSat obtained its ﬁrst image - a slice of the atmosphere from top to bottom showing a warm storm front over the North Sea in the North Atlantic approaching Greenland. The front’s warm air can be seen rising over colder air, with precipitation below. The remaining orbits of the test recorded unique observations of other weather types on a scale never seen before. The radar obtained ﬁrst-time observations of clouds and snow storms over the Antarctic. Until now, clouds have been hard to observe in polar regions using satellite remote sensing, particularly during the polar night season. The CloudSat observations also provided new views of sloping, frontal clouds and thunderstorms over Africa, both as individual storms and as part of larger tropical storm systems.

CloudSat is managed by the Jet Propulsion Laboratory, which developed the radar instrument with hardware contributions from the Canadian Space Agency. Colorado State University provides scientiﬁc leadership and science data processing and distribution. Ball Aerospace and Technologies Corp., Boulder, Colo., designed and built the spacecraft. The U.S. Air Force and U.S. Department of Energy contributed resources. U.S. and international universities and research centers support the mission science team. For more information on CloudSat on the Web, visit: http://www.nasa.gov/cloudsat

Ground Penetrating Radar Suitability Map

Ground-penetrating radar (GPR) is used to locate unmarked graves, archaeological sites, clandestine burials and tunnels, terrorism and military hazards, and disaster victims. However, the effectiveness of GPR in these activities is dependent on the type of soil in a given area. The National Resources Conservation Service has developed a set of maps for the United States and individual US states from soil attribute data contained in the State Soil Geographic (STATSGO) and the Soil Survey Geographic (SSURGO) databases. These maps are available at the NRCS Ground-Penetrating Radar Soil Suitability Maps web site at: http://soils.usda.gov/survey/geography/maps/GPR/index.html.

Clapper leaves NGA

James R. Clapper Jr., a retired Air Force Lieutenant General who has been director of the National Geospatial Intelligence Agency, retired June 13, 2006. General Clapper, was the ﬁrst civilian head of the agency and also its longest-serving director, spent nearly 5 years at the NGA. Navy Rear Adm. Robert B. Murrett, who is currently serving as director of Naval Intelligence, has been nominated for promotion to vice admiral, has been tentatively named to serve as the new NGA Director. Lloyd B. Rowland, NGA Acting Deputy Director will serve as interim Director until Admiral Murrett’s appointment is approved.

New Baghdad Map from NGA

The National Geospatial-Intelligence Agency (NGA) recently released reference map of Baghdad, Iraq to the public. The map was produced to help its public affairs ofﬁce and other government public affairs ofﬁces in their efforts to discuss issues related to the war in Iraq with the media and public. The unclassiﬁed map, also referred to by some users as a reference graphic, is suitable for reference only and should not be used for any other purpose.

The public can contact the U.S. Geological Survey (USGS, 1-888-ASK-USGS), the public sales agent for NGA maps, for price and availability. The ordering information for the map is Baghdad (Scale 1:40,000)
K942SBAGHDAD. Electronic versions of the map are available in JPEG and MrSID® formats on the NGA web site at [http://www.nga.mil/portal/site/nga01/](http://www.nga.mil/portal/site/nga01/) (click on What’s Hot and follow the link to the Baghdad Reference Graphic web site).

**USGS Chief Scientist for Geography Named**

The U.S. Geological Survey (USGS) has named Kenneth (Bruce) Jones as the new chief scientist for Geography. He will assume his new position on May 1. Jones has worked at the Environmental Protection Agency (EPA) where he served as senior scientist at the National Exposure Laboratory Office of Research and Development in Las Vegas. While at EPA Jones’ research focused on developing methods for describing the qualities or peculiarities of chemical and physical stressors, such as contaminants, land use, and habitat change.

**Bay Area Earthquake Hazards**

In late March, the U.S. Geological Survey and the California Geological Survey announced a new report containing new digital geologic hazard maps of the San Francisco Bay area. This report and maps were developed to provide the general public, land-use planners, utilities and lifeline owners, and emergency response officials, new and better resources to assess their risk from earthquake damage.

The report contains a map and database of Quaternary deposits and liquefaction susceptibility for the urban core of the San Francisco Bay region. It supersedes U.S. Geological Survey Open-File Report 00-444 (Knudsen and others, 2000), which covers the larger 9-county San Francisco Bay region. The report consists of (1) a spatial database, (2) two small-scale colored maps (Quaternary deposits and liquefaction susceptibility), (3) a text describing the Quaternary map and liquefaction interpretation, and (4) text introducing the report and describing the database. All parts of the report are digital.

The two colored maps provide a regional summary of the new mapping at a scale of 1:200,000, a scale that is sufficient to show the general distribution and relationships of the map units but not to distinguish the more detailed elements that are present in the database. This report is the product of cooperative work by the National Earthquake Hazards Reduction Program (NEHRP) and National Cooperative Geologic Mapping Program of the U.S. Geological Survey, William Lettis and Associates, Inc. (WLA), and the California Geological Survey. More information can be found at: [http://earthquake.usgs.gov/regional/nca/qmap/](http://earthquake.usgs.gov/regional/nca/qmap/) or [http://pubs.usgs.gov/2006/1037/](http://pubs.usgs.gov/2006/1037/) to download the free publication. Contributed by Sheryle Girk-Jackson, sjjackson@usgs.gov.

**Geologic Map of the San Francisco Bay Region**

The U.S. Geological Survey, in cooperation with the California Geological Survey, produced a geologic map of the San Francisco Bay Area designed to provide a new look at the geologic history of the region for the 100th anniversary of the 1906 San Francisco earthquake. For more information about this map visit: [http://sfgeo.wr.usgs.gov/](http://sfgeo.wr.usgs.gov/). Included on this site is an on-line version of the geologic map that can be downloaded, along with photos, additional information and sites related to the geologic history in 15 locations around the region. The map, Scientific Investigations Map 2918 (Stock # 206043), measures approximately 36x48 inches. It is available from USGS Science Information and Library Services (SILS) for $7.00 for the map, plus $5.00 handling. Orders may be placed by calling the SILS offices at 1-888-ASK-USGS, or visit: [http://www.usgs.gov](http://www.usgs.gov). Orders may also be placed through the USGS Store at: [http://store.usgs.gov](http://store.usgs.gov). Contributed by Sheryle Girk-Jackson. sjjackson@usgs.gov.

**Ecoregions Map of Colorado**

The Ecoregions Map of Colorado is available for free download on the website of the Western Ecology Division (WED).
Colorado’s ecoregions map identifies ecological regions by analyzing the spatial patterns and composition of biotic and abiotic phenomena that affect or reflect differences in ecosystem quality and integrity (Wiken, 1986; Omernik, 1987, 1995). These phenomena include geology, physiography, vegetation, climate, soils, land use, wildlife, and hydrology.

Colorado contains a wide variety of landscape regimes, including areas with arid and semiarid climates, alluvial river valleys, lava fields and volcanic plateaus, woodland- and shrubland-covered hills, forested mountains, glaciated peaks, wetlands, and a variety of aquatic habitats. The map is available in PDF format; the GIS data comes in compressed ArcInfo export format. For more information and to download the material visit the WED website at: http://www.epa.gov/wed/pages/ecoregions/co_eco.htm or purchase the map for $7.00 plus $5.00 handling through the USGS Store at: http://store.usgs.gov. Contributed by Sheryle Girk-Jackson, sjjackson@usgs.gov

San Andreas Fault Guidebook

Where’s the San Andreas Fault? A Guidebook To Tracing the Fault On Public Lands In the San Francisco Bay Region was released in April by USGS and the National Park Service (NPS). The book contains descriptions of more than 50 sites along the 800-mile San Andreas fault. The guidebook discusses the 1906 earthquake in Northern California and 1989 Loma Prieta earthquakes along the San Andreas fault zone, and their impacts on the landscape.

Release of the guidebook coincides with the 100th anniversary of the great San Francisco earthquake. On April 18, 1906, the earth ruptured for about 300 miles along the San Andreas fault through Northern California, both on land and where the fault extends offshore. The earthquake and fires that followed caused catastrophic damage to cities and towns throughout the region and had a dramatic impact on the culture and history of California. The event also initiated national interest in the study of earthquakes and disaster prevention. The field guide can be accessed online at http://pubs.usgs.gov/gip/2006/16/. Contributed by Sheryle Girk-Jackson, sjjackson@usgs.gov

This Dynamic Planet Revised

The Smithsonian Institution and the U.S. Geological Survey
have cooperated with the U.S. Naval Research Laboratory and Institute of Earth Sciences Juame Almera, Spanish National Research Council, to produce a revised (2006) edition of This Dynamic Planet: World Map of Volcanoes, Earthquakes, Impact Craters, and Plate Tectonics. This version of the map shows the many features that have shaped and continue to change our planet.

The Earth has over 1,500 volcanoes and 170 impact craters. Each year there are more than 44,000 earthquakes and 60 volcanic eruptions. In 2004 over 160 earthquakes occurred at a magnitude of 6 or greater. The map clearly shows the locations of earthquakes and volcanoes that mark plate boundaries; in addition, this map shows the locations of craters made by impacts of extraterrestrial objects that have occurred throughout Earth’s history.

This 2-sided map, which has a scale of 1:30,000,000, was designed to show the most prominent features when viewed from a distance and more detailed features upon closer inspection. The back of the map zooms in further, highlighting examples of fundamental features, while providing text, timelines, references, and other resources to enhance the understanding of this dynamic planet. Both the front and back of this map illustrate the enormous recent growth in our knowledge of planet Earth. Yet much remains unknown about the processes operating below the ever-shifting plates and the detailed geological history during all but the most recent stage of Earth’s development.

The map, Scientific Investigations Map 2800, (Stock # 206335) measures 58” X 43.5.” It is available for $14.00 plus $5.00 handling from the USGS Science Information and Library Services (SILS). To place an order call the SILS offices at 1-888-ASK-USGS, or visit the USGS Store at: http://store.usgs.gov. Contributed by Sheryle Girk-Jackson, sjjackson@usgs.gov

USGS Releases Tape of Mount St. Helens Eruption

The U.S. Geological Survey (USGS) released 14-minutes of footage showing the Mount St. Helens eruption from 2004-2006, taken by staff at the USGS Cascades Volcano Observatory (CVO.) This tape is available from Don Becker at USGS/EROS. The footage shows very recent Forward Looking Infra-red (FLIR) thermal imaging of the dome growth including the extruding lava spine, time-lapse photography of Mount St. Helens dome growth from two camera sites, and scientists working inside the crater and maintaining monitoring equipment. The b-roll tape is available in multiple formats and is intended for use by news, television programming, independent production and the web.

New Arizona Digital Geologic Maps

The Arizona Geological Survey has released several new digital geologic maps in the last few months. They include

New California Seismic Hazard Maps

The California Geological Survey released three seismic hazard zone maps showing areas with the potential for earthquake-induced landslides and liquefaction. The maps, which cover the Palo Alto, Morgan Hill, and Mt. Sizer quadrangles, were developed under the State’s Seismic Hazard Mapping Act. The maps that were released are preliminary maps; they will become final in mid-July. When these maps are officially released, they will designate areas where local agencies must require site-specific geotechnical evaluations before proposed construction is permitted. To view these maps, see the Seismic Hazard Zonation Program home page at http://www.conservation.ca.gov/cgs/shzp/.

The CGS also released Special Publication 125, titled *California Geology - Earthquakes of the San Francisco Bay Area and Northern California* for the centennial of the Great San Francisco Earthquake and Fire of 1906 in April. This publication is available for $6.00 plus shipping and handling from Publication Sales, California Geological Survey, 1059 Vine Street, Suite 103, Sacramento, CA 95814-0321.

Oregon Geologic Data Compilation

The Oregon Department of Geology & Mineral Industries (DOGAMI) has released version 2 of the Oregon Geologic Data Compilation. This compilation is part of a multi-year project to compile a new state geologic map and the geologic data for the state of Oregon in a database form. The data compilation, which was developed by Margaret D. Jenks, Clark A. Niewendorp, Mark L. Ferns, Ian P. Madin, Paul E. Staub, Lina Ma, and Ronald P. Geitgey of the Oregon Department of Geology and Mineral Industries (DOGAMI), covers both Northeast and Southeast Oregon. It will eventually cover the entire state. The compilation is available on CD-ROM as spatial data for Geographic Information System (GIS) software and tabular data for use with Microsoft Access 2000 database software. Oregon Geologic Data Compilation - Version 2 (OGDC-2), is available on CD-ROM for $25 plus $3.00 shipping and handling from Nature of the Northwest Information Center (NNW), 800 NE Oregon Street #5, Portland, Oregon, 97232. You may also call NNW at (503) 872-2750 or order online at http://www.naturenw.org.

A web interface to the data compilation is under development. Once it is available, users will be able to view colored geologic unit polygons overlaid on topographic and hillshade images. Map zoom and pan controls along with an info-click function will allow users to view stratigraphy, lithology, and rock property map types. The site will go live sometime this summer.

Seattle Landslide Hazards

Experts at the United States Geologic Survey (USGS) have produced a series of new landslide maps of Seattle that will provide property owners, government agencies and utilities with improved landslide information. The new maps include a Shallow Landslide Hazard Map; Landslide Terrain Map using LIDAR Imagery; Map of Landslide Probability and Recurrence; Prototype Maps Linked to Rainfall; Rainfall Thresholds for Landslides and Early Warning; and Deep Landslide Hazards Map.

The new maps are the product of a multi-year study by the USGS following the devastating landslides in the region in 1996/97. They are part of the larger Seattle Project Impact, a public-private partnership, to improve safety in the region against such natural hazards as landslides and earthquakes.

Since 1997, the City of Seattle has refined mapping of Landslide Prone Areas (LPAs); provided annual expert landslide mitigation seminars for the public; developed a coordinated emergency response and recovery plan with annual preparations by City staff for the wet season; and fixed a number of priority landslide and drainage problems in LPAs (over 300 large and small proj-
Several USGS maps and reports related to landslide hazards in Seattle are available online at http://landslides.usgs.gov/learningeducation/publications.php. The new maps identifying shallow and deep landslide hazards will be available soon. More information about the Seattle Project Impact programs led by Emergency Management, contact: Inés Pearce (206) 615-0288 or visit: http://www.seattle.gov/projectimpact.

Washington State Geologic Map Wins Design Award

The Washington Division of Geology and Earth Resources Geologic Map of Washington State (GM-53) won the Best Map of 2005 and Best Geologic Map in the Avenza 2005 MAPublisher Map Competition. The competition draws entries from all over the World. The Geologic Map of Washington State was compiled by geologist and geographic information systems specialist J. Eric Schuster; Geologist-editor Jaretta M. Roloff did the design and layout. The legend contained information about the geology of each geologic unit as well as small index maps of the State of Washington showing the unit’s distribution in the state. The map may be purchased ($10.15 flat; $10.84 folded) from the Washington State Department of Printing at http://www.prt.wa.gov/ or downloaded from http://www.dnr.wa.gov/geology/pubs/gm53.htm.

Minerals & Rocks of Wyoming

The Wyoming State Geological Survey (WSGS) has released a new publication, Bulletin 72, titled Minerals and Rocks of Wyoming – A guide for collectors, prospectors, and rock hounds. The book was written by Senior Economic Geologist W. Dan Hausel, and replaces WSGS Bulletin 66, which been out of print for several years.

This new bulletin contains new photographs and graphics, most in full color, as well as several new color maps. It is available from the Publications Sales Office at the WSGS in Laramie for $10.00. To order, call 307-766-2286, ext. 224; fax 307-766-2605; or email sales-wsgs@uwyo.edu. For additional information about this publication, contact Kathy Walker, Associate Editor, at kwalker1@uwyo.edu.

General News

MapInfo Patents Geocoding Engine

The U.S. Patent & Trademark Office granted MapInfo Corporation a patent for its international geocoding software engine. The system allow organizations to use a single geocoding engine to attach a latitude and longitude to addresses in a variety of international formats. The patented geocoding engine, MapInfo Envinsa(TM), can be used to identify the exact location (in latitude and longitude) of a site from address information. The patent, titled “A System and Method for Geocoding Diverse Address Formats,” can be viewed online at: http://patft.uspto.gov/netacgi/nph-Parser?patentnumber=7039640.

Internet Resources

Lands and Minerals Databases Online

Three lands and minerals databases that provide essential information to the public, GeoCommunicator, Legacy Rehost 2000 (LR2000) System reports, and public eForms, are again available on the Bureau of Land Management web site. The databases were shut down because of litigation. The LR2000 system (http://www.blm.gov/lr2000/) information on applicants and land use for leases, permits, contracts, agreements, unpatented mining claims, and other use authorizations issued or recorded by the BLM. GeoCommunicator (http://www.geocommunicator.gov) is an interactive map viewer that
permits users to search and display LR2000 records including: oil and gas, geothermal, solid mineral and coal leases, mining claims, stipulations and conveyances. Users can also map and download Public Land Survey System (PLSS) data and view grazing allotment and pasture boundaries on this site. Public eForms (www.blm.gov/blm-forms) provides customers with BLM, Department of Interior, and various other forms that are easy to use in both printed and, where possible, electronic format. The eForms can be filled out and submitted electronically, saving customers the cost of postage and handling and/or travel expenses associated with filing a paper copy in a Field or State Office. Customers can also track the status of eForms online. From BLM Web Site

NOAA Improves access to Historical Weather Data

In late March, NOAA announced a new web site, NOWData (NOAA Online Weather Data, http://www.weather.gov/climate/), which provides access to weather data for the 122 local NOAA National Weather Service forecast offices. Visitors to the NOAA National Weather Service’s national climate Web portal (http://www.weather.gov/climate/), click now on a location on a national map to be taken directly to the local climate page of the appropriate NOAA National Weather Service forecast office. Then, by clicking on the NOWData tab, users can access a wide range of climate products for nearly 3,900 locations. Daily past weather is available for the last two years with climate averages for the standard 30-year period of 1971-2000 and extremes for as long as a station has been taking observations.

NOWData is a collaboration between the NOAA Office of Climate, Water, & Weather Services and the National Weather Service. Historical weather data offered by NOAA National Weather Service forecast offices and linked from the NOWData Web site are considered preliminary, and, therefore, unofficial. Certified weather data, for uses such as litigation, are available only through the NOAA National Climatic Data Center.

NOAA Introduces NowCOAST Web Mapping Portal

NOAA launched an updated version of the NowCOAST Web portal in mid-March. NowCOAST is a Web mapping portal providing coastal communities with real-time observations and NOAA forecasts. The new version now allows users to view real-time surface observations ‘on-the-map’ along with the latest GOES satellite cloud imagery and NOAA National Weather Service weather radar images. The GOES imagery is updated every half hour and the weather radar mosaic is updated every 15 minutes. NowCOAST was designed to be a planning aid for commercial and recreational mariners, coastal managers, emergency responders, marine educators, and researchers to discover and display real-time coastal information. By aggregating a wide variety of this information in one location and providing access and visualization in an easy-to-use manner, nowCOAST serves as a unique and powerful tool for the marine community to visualize environmental conditions via the Internet.

NowCOAST (http://www.nowcoast.noaa.gov/) uses Geographic Information System, or GIS, technology to allow users to overlay other datasets and NOAA forecast products developed by the NOAA Ocean Service’s Coast Survey Development Laboratory. NowCOAST’s on-map display of real-time surface meteorological and oceanographic observations includes hourly updated data from federal and regional observing networks on land and water. The on-map display of real-time data and imagery available through nowCOAST is made possible with real-time data provided by the NOAA’s Satellite and Information Service, National Weather Service, and Earth System Research Laboratory in Boulder, Colo.

In addition to these new data, NowCOAST includes geo-referenced hyperlinks to observations from river and water quality observing networks, coastal Web cams, as well as NOAA marine and weather forecasts and forecast guidance.
NowCOAST includes an interface to accommodate both novice and experienced GIS users to allow both to quickly view real-time environmental conditions for any U.S. coastal area. Users can access information via four pull down menus or use standard GIS tools such as zooming in and out to change map scale and overlay different types of observations or forecasts for comparison purposes. By combining these capabilities, nowCOAST provides a rapid way to discover and view a wide range of real-time coastal observational and NOAA forecast information.

Glacier National Park through Time

U.S. Geological Survey (USGS) recently announced the availability of a new website containing a collection of repeat photographs of glaciers in and around Glacier National Park, Montana. The site pairs historical photographs with contemporary photographs to reveal significant glacial recession. The website was created to showcase the photographs for scientific as well as general purposes. To view the photographs, go to http://nrmsc.usgs.gov/repeatphoto/. The site, which originally contained 55 images, will grow over time as more photographs become available. Users of the web site can download the images as repeated pairs or individually. File formats include high resolution TIF images (300 dpi), lower resolution JPG (72 dpi) images, and Powerpoint®.

CIA World Factbook 2006 Available

The CIA World Factbook 2006 is now available on the Central Intelligence Agency Web site (http://www.cia.gov). The World Factbook remains the CIA’s most widely disseminated and most popular product. The online version averages almost 6 million visits each month. In addition, tens of thousands of government, commercial, academic, and other Web sites link to or replicate the online version of the Factbook.

The World Factbook web site is updated biweekly throughout the year to provide wide-ranging and hard-to-locate information about the background, geography, people, government, economy, communications, transportation, military, and transnational issues for countries from Afghanistan to Zimbabwe. The nine primary information categories and the 139 subcategories for most entities include geographic coordinates, current account balances, number of mobile cellular telephones, heliports, legal systems, refugees, literacy, HIV/AIDS-deaths, and much more. Included among the 271 geographic entries is one for the “World,” which incorporates data and other information summarized where possible from the other 270 country listings. The World Factbook also contains 6 appendices with information on abbreviations and descriptions of international organizations and groups and cross-referenced lists of country data codes. The 2006 edition includes 15 reference maps, which are available in both JPEG and PDF formats. Many country maps and flags have been updated to reflect changes and refinements over the past year.

In addition to the regular information updates, The World Factbook 2006 features several new or revised fields. In the Economy category, the Factbook is now reporting national GDP figures in US dollars converted at official exchange rates (OER) in addition to GDP at purchasing power parity (PPP) rates, since both measures contain information useful to readers. Traditionally, only PPP-converted GDP values were reported. In the Transportation category, the former “Highways” entry is now “Roadways,” while “Ports and harbors” has been retitled “Ports and terminals.”

The World Factbook 2006 can also be downloaded in Zip file format from http://www.cia.gov/cia/download.html. Printed copies of The World Factbook 2006 will be available for purchase in July from...
the Government Printing Office (http://bookstore.gpo.gov) and the National Technical Information Service (http://www.ntis.gov). Ordering and pricing information for both domestic and international customers are available on the GPO and NTIS Web sites.

**US-Mexican Border Health Project**

Scientists from the United States and Mexico are combining landscape and demographic data from both countries to develop integrated datasets for the U.S.-Mexican Border region. The data sets will include land-cover, contaminants, and hydrology and will be used to assess environmental health issues along the U.S.-Mexico border. Interactive Web maps, documentation and links can be viewed at http://borderhealth.cr.usgs.gov. For more information contact USGS geographer Jean Parcher (jwparcher@usgs.gov), USGS biologist Diana Papoulias at (dpapoulias@usgs.gov), USGS hydrologist Jim Stefanov (jestefan@usgs.gov) or USGS geologist Ric Page (rpage@usgs.gov).

**Ground Water Atlas of Colorado Web Site**

The *Ground Water Atlas of Colorado* was published in 2003. The Atlas was developed as a comprehensive reference about the state’s ground-water resources. It summarizes the location, geography, geology, water quality and hydrologic characteristics of its major aquifers. The information in the atlas was collected, compiled, and analyzed by hydrogeologists within the Colorado Geological Survey. An internet version of the *Ground Water Atlas of Colorado* is now available. It contains only part of the published book, summarizing the primary points of each section and excluding some of the more technical information. The online version does not include citations of references used to compile the full atlas. The online version of the Ground Water Atlas of Colorado, which includes links to many of the maps from the atlas, is available at http://geosurvey.state.co.us/wateratlas/.

**New Publications**


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**Periodical Articles**

Alibrandi, Marsha and Sar-


Beale, Linda and others, 2006. Mapping for Wheelchair Users:


Haughwout, Margaretha. 2006. A reflecting and/or refracting pool: When a local community becomes autonomous online. *First Monday*, vol. 11, no. 4.


Marvin, Jennifer and Fortin, Marcel, 2006. Putting Literacy into Geographic Information.


Western Association of Map Libraries

Information Bulletin

Microform Publications


Occasional Papers


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


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


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 Printed Maps of Utah to 1900; An Annotated Cartobibliography by Riley Moore Moffat. OP8. LC #81459 ISBN 0-939112-09-4 $10.00


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


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