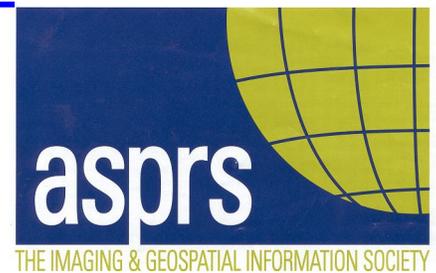

Wavelengths

Columbia River Region



<http://www.asprs.org/ColumbiaRiver>

Volume 2008:4 — December 2008

President's Letter

By Steve Lennartz

As we enter a new year and we reflect on 2008, I would like to thank the region for the dedicated members who have contributed so much to our organization. We've had several very successful events, including a national conference with regional social, bi-regional technical exchange, a national workshop, and numerous other student chapter events and individual member service events.

Our membership is continuing to grow in a positive direction. We've gained 33 new regular members, as well 15 new student members. Our region currently has six member champions. Membership Champions are members that are committed to actively recruiting new members. Our member champions include Christopher Aldridge, Michelle Kinzel, Steven Lennartz, Brian Miyake, Robert S. Peckyno, and Mike Renslow.

The annual conference hosted by the Columbia River Region was a huge success, with many thanks for the hard work and diligence of countless volunteers and committed ASPRS members, especially: Geoffrey Duh, Anne Hillyer, Roger Crystal, Chris Aldridge, Stephen Duncan, and Michael Wing. With the large financial boost to the region received from the rebate of the national conference, the board has donated \$5,000 to the national Student Advisory Council to jump start its funding source, which is matched by a national contribution. Future Annual Conference hosts will be contributing 25% of their rebate to this fund. Since our region hosted the conference in the last year of exemption, the board recognized the value of this fund and rightly contributed. This fund will be exceptionally valuable for getting students involved with ASPRS.

Our regional events were successful, in large part to the efforts of our Vice President, Erik Strandhagen. Erik has been diligent and tireless, putting together several events, including the 12th Annual Joint Technical Exchange, and the "Remote Sensing of Wetlands" workshop, special thanks to Erik!

We are also very proud of the financial management provided by our Treasurer, Brian Miyake. He has yet again provided excellent fiscal management for our region. THANKS BRIAN!

With so many great examples of society participation, I hope we can continue the model of service contributions to the organization as we enter the New Year. Get involved today!

We will be entering 2009 looking forward to GIS in Action, scheduled for April 20th-21st. ASPRS will be celebrating its 75th anniversary in 2009 at the annual conference, "Reflection of the Past, Vision of the Future", scheduled to take place in Baltimore, MD, March 8th-13th. This is my last president's letter before I pass the gavel, but I hope to see you at some of these upcoming events, especially our annual dinner scheduled for Friday, January 30th, at the Ecotrust building with special guest Chet Olson, who will be sharing a history of the Willamette River with the group.

National Director's Report

by Chris Aldridge

Greetings Columbia River Region. The last few months have been pretty busy for us, as is the case most years. Erik Strandhagen worked hard to bring us a very successful workshop in November, the GIS in Action planning committee has been busy getting the program started, and I attended the fall meeting in Denver, which was also a Pecora Symposium.

(Continued on page 2)

(Continued from page 1)

Somewhere near 450 academic, private, and government attendees came to the 17th William T. Pecora Memorial Remote Sensing Symposium. As the name implies, this conference program leans to Remote Sensing, with a great deal of Federal participation. The program we well received and the technical sessions were, of the most part, well attended. The plenary sessions were very well attended, and for my part, informative. It was very interesting to hear nearly all of the speakers refer to the difficulties we will face in the next few years. It was equally enlightening to understand that for the last eight years, program managers and directors from government agencies have been positioning themselves in front of the Bush administration to secure funding for the continuation of critical programs. On January 20, 2009, they effectively start over again from zero with a brand new administration under President Obama. I can't exactly say that the mood is one of fear and doom for the industry, but it is one of great concern, and those who spoke to the issue are surely nervous about the future.

The U.S., formerly the leader in earth observation, has fallen behind virtually everyone else with a satellite. This conference celebrated the 25th year of LandSAT 5 operational ability. A satellite that has outlived its projected life by about seventeen years. LandSAT 7, its successor, has been on life support most of it's life, and there are no *immediate* plans for a replacement.. It is sobering to consider that the data that is needed to monitor global changes in climate, land use, pollution, global warming, etc. is coming from technology that is 25 years old. Think about that. Twenty five years ago pocket calculators were still the rage, desktop computers were just starting to show up in offices, cell phones were a thing of the future, and music still came on vinyl.

Our society has long been working towards continuing the earth observation programs overseen by our government, and we passed a resolution to get in front of the Obama transition team to this effect.

As always, the conference was marked by committee meetings and the board meeting. I chaired the Convention Planning and Policy meeting, as the representative from the last spring conference. We dealt with the usual, as well as trying to put forth a recommendation for the location of the 2012 meeting. Four regions had submitted proposals for this honor and we put

forth the recommendation to go to Alaska. This was, incidentally, rejected by the board, and the more economically forgiving Sacramento was chosen. The Fall Board meeting is traditionally the introduction and approval of the following year's budget.

I'm pleased to announce that we are still a financially solvent organization. The bad news is that we lost money in our investments, just like everyone else. The good news is that we came out better the national averages, so I guess you could say we're better off because we lost less than most everyone else. Yippee.

We passed another projected deficit budget this year. We've done this the last three years running and never actually had a deficit. This year's projection was primarily due to the delay in costs that will be incurred for the publication of the GIS Manual, from 2008 to 2009.

As previously mentioned, the society continues to be at the forefront advising federal agencies and congress on the needs for continuing earth observation platforms. We also signed an agreement to provide the National Geospatial-Intelligence Agency with professional advice and counsel to supplement the agency's geospatial advancement.

The Professional Practice Division has released a draft version of the Guidelines for the Procurement of Photogrammetry services for comment.

(Continued on page 3)



In-coming 2009 Columbia River Region ASPRS president, Erik Stranhagen

Membership is essentially holding steady by +/- a percent or two, and we are about to kick off a membership drive for the society in 2009.

On the local front, planning for the 2009 GIS in Action conference continues. The program committee has met and begun to assemble what promises to be a full and interesting program. Please watch the website for updates. Speaking of the website, we are pleased to have Jamie Ludwig volunteer to take over from Jackie Olson as webmaster. Jamie will be handling the newsletter and the website, for the next year at least. I want to thank Jackie for the many years of volunteer service to the region, and congratulations on the multiple national awards won by "Wavelengths."

In closing, I want to thank exiting past President Steve Duncan for his four years of commitment to the region and for the excellent leadership and participation that he has provided.

Happy Holidays and Best Wishes for 2009.

In-Coming CRR ASPRS President

According to the bylaws, the former Vice President of the Columbia River Region ASPRS becomes the president the following year. In 2009, we welcome Erik Strandhagen as our new president. Erik holds certification as a GIS Professional (GISP) through the GIS Certification Institute and has over 8 years of professional, technical, and analytical experience using GIS data and applications. Erik earned his MS in Geography from the University of Oregon in 2005. In his academic pursuits, he performed nationally award-winning GIS analytical research at undergraduate and graduate levels. Erik has professional experience producing GIS data and analysis for National Science Foundation, Oregon Department of Transportation, and Lane County, Oregon.

Currently, Erik is a Scientist/GIS Specialist at Integral Consulting where he manages numerous GIS projects and performs 2-D and 3-D advanced gridding analysis for the development of groundwater and geologic subsurface models. Erik is looking forward to making 2009 another successful year for the region.

Columbia River Region Elections

Thank you to everyone who participated in the CRR election for Vice President. We had one nominee this year: Brad Hille, along with the option of a write-in candidate. The votes have been counted and we are pleased to announce that Brad Hille is the next Vice President of the CRR ASPRS. Welcome Brad.!

Brad Hille earned his BS in Geography from Oregon State University. A member of ASPRS since 2002, he is a Certified Photogrammetric Technologist and a Registered Professional Photogrammetrist in the State of Oregon. He is looking forward to the opportunity to serve a more active role in ASPRS at the regional level and to help in the successful advancement of the society's mission.

Brad has 15 years of experience in the Photogrammetric field within both the public and private sectors. Brad began his career as a Cartographer for the National Imagery and Mapping Agency, formerly Defense Mapping Agency. He has eleven years of experience with i-TEN Associates, Inc., formerly Spencer B. Gross, Inc., currently holding the position of Photogrammetry Production Manager.

Along with managing the production process from start to finish, Brad also performs aerial triangulation, stereo compilation, as well as maintaining strong working relationships with clients and sub-consultants. Brad is an integral part of each project ranging from a simple site-specific planning level map to high accuracy design/build scale suitable for engineering purposes.



Brad Hille, newly elected Vice President of the CRR ASPRS

Report from Oregon State University Student Chapter

by Robert Peckyno, President

The Oregon State University Chapter of ASPRS has just completed a busy fall season. This fall, student members participated in several recruitment events, attended the October CRR Board Meeting at OSU, assisted with GIS Day, and held three official meetings.

Our first official meeting was held September 30th and featured Kyle Hogrefe presenting information on the *“Derivation of Near-shore Bathymetry from Multispectral Satellite Imagery used in a Coastal Terrain Model.”* Information was also presented on ASPRS student scholarships, public domain LIDAR data, and upcoming regional and national ASPRS conferences. Our second meeting was held on October 27th and featured Stephen Koghan Ndzeidze presenting his research project entitled *“Detecting Changes in a Wetland: Using Multi-Spectral and Temporal Landsat in the Upper Noun Valley Drainage Basin-Cameroon.”* During this meeting, students also discussed plans for the coming year, budget issues, and preparations for GIS day.

On November 19, 2008, OSU-ASPRS volunteers assisted in the annual celebration of GIS Day on the OSU Campus hosting teachers and students from Cheldelin Middle School (Corvallis) and the Pilgrim Lutheran School (Beaverton). 220 students, 12 teachers and 20 chaperones spent the day on the Oregon State University Campus learning about geospatial technologies and the use of Geographic Information Systems (GIS) and participating in a GPS led “Geocache” hike across campus. All OSU-GIS day events were planned and coordinated by ASPRS National Student Advisory Council Chair, Michelle Kinzel. For more information about ASPRS @ OSU, visit <http://oregonstate.edu/groups/asprs/>.



OSU GPS Hike Volunteers proudly display GIS Day

Report from University of Oregon Student Chapter

By Leslie McLees, Treasurer/Secretary

The UO student chapter of ASPRS has been working to increase its membership with the new graduate students. We also provided funding for Megan Lawrence to attend a conference in London, England to present her research on mapping for visually impaired people. She was able to meet with industry professionals and she and her advisor work to increase the presence of their research into these important mapping technologies.

The big event this fall was Geography Awareness Week from November 17th-21st. Wednesday the 19th was GIS Day and ASPRS helped to sponsor speaker Stuart Allen of Allen Cartography and Raven Maps to come speak to an audience of about fifty people about making decisions when creating maps with GIS. The highlight of the week was a 20-foot diameter inflatable globe from Whereabouts.Inc that was set up in the Ballroom of the Student Union Building. ASPRS helps sponsor bringing in four classes from local schools to have geography lessons inside the globe. Following this lesson, they did a GPS scavenger hunt around the UO campus then practiced drawing their mental maps of campus. Finally they received a tour of the map library and the InfoGraphics Lab on campus. The day was a huge success.

In the coming months we will be working on increasing membership and helping sponsor some opportunities for our undergraduates in geography students to learn about technical c a r e e r s .

Report from Portland State University Student Chapter

by Dan Craver, President

The Portland State University ASPRS Student Chapter had a successful first term to the 08/09 school year. In an effort to reach out to students in all departments across campus, we embarked upon a marketing campaign that has resulted in 10 new members and outstanding attendance at our colloquium. Thank you to Whityn Owen of the Pacific Northwest Soil Survey who presented on using DEMs to validate soil classification.

(Continued on page 5)

(Continued from page 4)

We would also like to thank Sheri Schneider, the USGS Oregon Geospatial Liaison, who provided an exploration of geological survey data in Oregon. Two students from our chapter attended and reported very worthwhile experiences at the Columbia River Region sponsored Remote Sensing of Wetlands workshop. Thanks to ASPRS for extending a student pricing discount and making this possible for us. Our winter term calendar is taking shape. We look forward to continuing our colloquia and preparing for the upcoming conferences. Please visit our website at <http://www.psuasprs.groups.pdx.edu/> to learn more.



Students who are interested learning more about other ASPRS student groups, scholarships, student certifications, student volunteer opportunities, professional opportunities for new graduates and so much more should check out *Signatures*, the National Online ASPRS Student Newsletter.

<http://asprsignature.blogspot.com/>



Student Volunteers Needed for GIS in Action 2009

The dates for the GIS in Action 2009 Conference are Tuesday April 21st and Wednesday April 22nd. It will be at the Vancouver Conference Center and Hilton Hotel. Volunteers with audio-visual skills are particularly needed. Please contact Anne Hillyer at 360-619-6543 or akhillyer@bpa.gov if interested.

Welcome New CRR Members!

The members listed below have either joined (or rejoined) the CRR since October 2008.

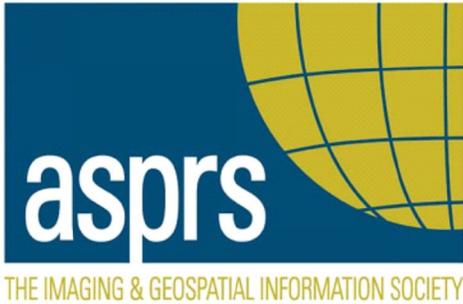
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Brian Block	Portland
Elizabeth Clapp	Portland
Geoff Cornell	Portland
Andrew D. Denker	Banks
Alan Devenish	Portland
Ben Fitzsimons	Portland
Linda Hungerford	Portland
Mr. Allen Bruce Martin	Dorena
Allegra A. Rainbow	Portland
Suzanne Walther	Eugene

Provisional Certification For Students

Another note on the Provisional Certification for students: OSU-ASPRS will be providing assistance and hosting a testing session in April for those seeking student provisional level certification from ASPRS for remote sensing, GIS, and photogrammetry professionals. Details will follow on the OSU APSRS webpage. Certified Photogrammetrist Michael Renslow gave a great presentation during OSU's fall meeting on how to obtain provisional professional certification in Remote Sensing, GIS, and Photogrammetry with ASPRS.



(l-r) OSU-ASPRS President Robert Peckyno; chairman of the ASPRS Evaluation for Certification Committee, Michael Renslow; and GIS Coordinator for the City of Philomath Public Works, Rob Denner.



ANNOUNCING
THE COLUMBIA RIVER REGION
AMERICAN SOCIETY FOR PHOTOGRAMMETRY
AND REMOTE SENSING

2009 Annual Dinner and Business Meeting

The featured event will be a presentation on
“The History of the Columbia Basin and the Willamette River”
by **Chet Orloff**.

Friday, January 30th, 2009

at the
Ecotrust Billy Frank, Jr. Conference Center
721 NW Ninth Ave
Portland, Oregon 97209
From 6:00 pm to 10:30 pm

JOIN YOUR FELLOW MAPPERS FOR OUR ANNUAL
CELEBRATION AND INSTALLATION OF OFFICERS!

Drinks and Hors d'Oeuvres at 6:00
Buffet Dinner at 7:00
Business Meeting and Presentations at 8:00
Door Prizes Following

Tickets: \$20.00/individual, \$35.00/couple, \$10.00/student
For reservations, please contact Erik Strandhagen by
e-mail: estrandhagen@integral-corp.com (phone: 503 284-5545 x34)
Reservations need to be made by January 23rd.

Note: Ecotrust is located in Portland's Pearl District, surrounded by restaurants, galleries, and retail shops, and within minutes of downtown Portland business core.

Thomas M. Lillesand Approved as ASPRS Honorary Member

Thomas M. Lillesand will be the next Honorary Member of the American Society for Photogrammetry and Remote Sensing (ASPRS). His nomination was approved by the ASPRS Board of Directors at their recent meeting in Denver, Colorado. The highest award an ASPRS member can receive, there are only 25 living Honorary Members of the Society at any given time. Candidates are chosen by a Nominating Committee made up of the past five recipients of the award and chaired by the most recent recipient. Roger Hoffer served as chair of the current committee.

Initiated in 1937, this life-time award is given in recognition of individuals who have rendered distinguished service to ASPRS and/or who have attained distinction in advancing the science and use of the geospatial information sciences. It is awarded for professional excellence and for at least 20 years of service to ASPRS. Lillesand, who has been a member of ASPRS since 1969, will receive the award in 2009.

Thomas M. Lillesand is a Professor Emeritus of the Nelson Institute for Environmental Studies, the Department of Forest Ecology and Management, and the Department of Civil and Environmental Engineering, University of Wisconsin-Madison. He obtained his formal education in Civil Engineering from the University of Wisconsin-Madison (BS, 1969; MS, 1970; PhD, 1973). He began his career as a remote sensing educator in 1973 as a faculty member at the State University of New York (SUNY/Syracuse) College of Environmental Science and Forestry. From 1978-1982, he taught at the University of Minnesota and directed that university's Remote Sensing Laboratory. He joined the faculty at the University of Wisconsin-Madison in 1982 and was the director of Wisconsin's Environmental Remote Sensing Center (ERSC). For many years he chaired UW-Madison's Environmental Monitoring Graduate Program.

Lillesand has taught numerous courses and advised a total of 76 M.S. and Ph.D. graduate students over the course of his career. The scope of his highly interdisciplinary research activity has spanned from statewide and regional land cover classification and change detection to applications of remote sensing in forestry and agriculture, civil engineering, long-term ecosystem science, climate change, and water resources management. Sponsors of his research have included NASA, NOAA, USDA, NSF, USACE, USGS, DOE, and EPA, among others. He has also been active in U.S. remote sensing policy issues.

He has authored or co-authored over 200 professional publications. He is senior author, along with coauthors Ralph W. Kiefer and Jonathan W. Chipman, of the book *Remote Sensing and Image Interpretation*, published by John Wiley & Sons. First published in 1979, this book is currently in its sixth edition, and has been translated into several languages, making it one of the most used remote sensing texts and references in the world.

Over the years, Lillesand has provided frequent service as a consultant and scientific advisor to numerous governmental agencies, as an expert witness, and as a leader in professional organizations. He served on the Science Advisory Panel for the Earth Observing System (EOS) Land Processes Distributed Active Archive Center. He was appointed by Secretary of Commerce Malcolm Baldrige to represent ASPRS on the Land Remote Sensing Satellite Advisory Committee, and has provided both U.S. House and Senate subcommittee testimony on four occasions dealing with the policy and management of the U.S. Landsat satellite program and defining the basic research requirements underpinning U.S. commercial opportunities in geospatial science and technology.

Lillesand has chaired and served on numerous key committees for ASPRS. He has served as an officer within three ASPRS Regions and as the Director of the Remote Sensing Applications Division. He served as the National President of ASPRS from 1998 to 1999. Presently he serves as President of the Board of Trustees of the ASPRS Foundation and is a Fellow in ASPRS, a Certified Photogrammetrist, and a Certified Mapping Scientist in the area of Remote Sensing.

He has received several national awards for his professional accomplishments, including: the Alan Gordon Memorial Award for Scientific Achievements in Remote Sensing and Image Interpretation, the Talbert Abrams Award for excellence in Authorship and Recording of Scientific Development in Photogrammetry, the Earle J. Fennell Award for Outstanding Contributions to Education in the Mapping Sciences, and the SAIC/Estes Memorial Teaching Award.

After 33 years as a teacher, researcher, and advisor, Lillesand retired in 2006 and continues to consult on a part-time basis, primarily as an expert witness.



January 26 – 28, 2009, New Orleans, USA

International LiDAR Mapping Forum 2009 – opens in three weeks time!

Whether you are a seasoned operator or new to the LiDAR business, the International LiDAR Mapping Forum will provide an intensive two day program that will ensure you are fully up-to-date with the latest advances and commercial applications of LiDAR.

ILMF has doubled in size in recent years and with exhibition space nearly sold out and delegate places filling up rapidly, we look forward to another global and all encompassing LiDAR event.

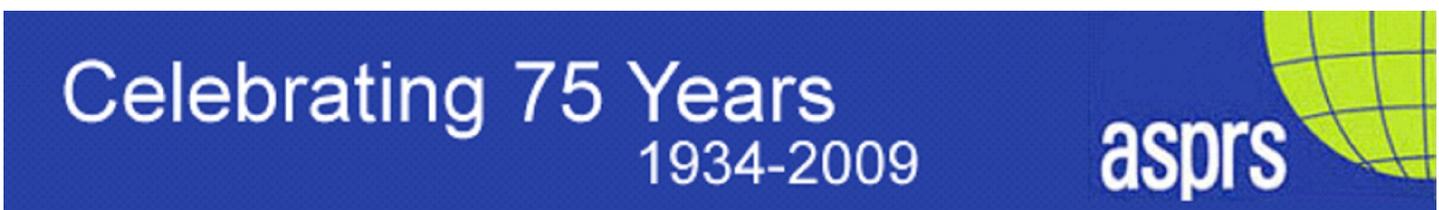
Meet with the world's leading International LiDAR companies - Leading suppliers and manufacturers of LiDAR technology from the USA, Canada, Germany, Sweden, UK, India, China, Israel, Finland, Norway and Korea will be exhibiting. <http://www.lidarmap.org/exhibitorlist/>

Conference focusing on key commercial issues - the program includes work-in progress reports on all aspects of airborne and bathymetry LiDAR with a particular emphasis on papers that address the key commercial and technical issues facing the industry. <http://www.lidarmap.org/ilmf2008/>

Basics to LiDAR Workshops - ten one hour workshops aimed at providing novice operators, their managers and potential purchasers of equipment with an understanding of the basic principles and fundamental benefits and technology associated with LiDAR.

ASPRS Lidar Committee 'hot topics' session – new for 2009, we welcome the ASPRS Lidar Committee who will host a discussion of industry hot topics ranging from industry best practice guidelines, data standards, sensor calibration to national mapping projects. All visitors and delegates are welcome to attend.

Register NOW! ILMF 2009 is taking place from January 26 – 28, 2009 in New Orleans, USA. Visit <http://www.lidarmap.org/register> to register NOW.



SAVE THE DATE (SPRING 2009)

ASPRS 2009 Annual Conference
Baltimore Marriott Waterfront Hotel
Baltimore, Maryland
March 8 - 13

<http://www.asprs.org/baltimore09/>

Calendar

By Jackie Olson

Nov 10-Jan 31, 2009: Places & Spaces Mapping Science Exhibit: The exhibit aims to demonstrate the power of maps to navigate and make sense of physical places and abstract topic spaces. Cameron Library, University of Alberta, Edmonton, Alberta, Canada
<http://scimaps.org/alberta/>

January, 2009: Oregon GPS User Group: Next meeting will be held in conjunction with the 2009 PLSO Conference (January 28-30). Date and time to be finalized., Portland, OR
http://www.ogug.net/meeting_schedule.htm

January 9 and February 13, 2009: Geological Society of the Oregon Country, Friday Night Meetings, 8:00 pm, Room S17, Cramer Hall, Portland State University
— **Jan. 9:** Justin Klure, principal partner with Pacific Energy Ventures, LLC, "Wave Energy Projects in Oregon – The Wave of the Future"
— **Feb. 13:** Mark Ferns, DOGAMI Geologist, Eastern Oregon Section Leader, "The Crooked River Caldera".
<http://www.oregongeology.com/sub/quarpub/OrGeo.htm>
<http://www.gsoc.org/sched.html>

January 13, 2009: Northwest Geological Society, Dinner & Meeting, SPEAKER: Tom Bush (Pierce College) "Breccias, Breccias Everywhere, But Where is the Gold?", Seattle, WA
<http://nwgs.org/Meetings.htm>

January 28-30, Professional Land Surveyors of Oregon, 2009 Conference, Portland, OR
<http://www.plso.org/surveyors/conference.html>

January 30, 2009, 6:00 –9:00 CRR ASPRS Annual Dinner and Business Meeting. The featured event will be a presentation on "The History of the Columbia Basin and the Willamette River" by Chet Orloff. Held at the Ecotrust Conference Center 721 NW Ninth Ave, Portland, Oregon 97209
e-mail: estrandhagen@integral-corp.com

February 20-23, 2009: A-M-U-W Conference and Exhibition; American Congress on Surveying and Mapping and its member organizations, AAGS, CaGIS, GLIS, NSPS, MARLS, UCLS, and WFPS are cosponsors. Reporting of research and applications in surveying GIS, cartography, geodesy, geomatics, and related disciplines. Salt Lake City, UT
<http://www.wfps.org/files/AMUW09.html>

March 4-7, 2009: Land Surveyors' Association of Washington 2009 Annual Conference, Tacoma, WA
<http://www.lsaw.org/docs/2009ConfPrelimSchedule.pdf>

March 9-13, 2009: ASPRS 2009 National Conference - 75th Anniversary "Reflection of the Past-Vision for the Future". Baltimore, MD
<http://www.asprs.org/baltimore09/index.html>

March 22-27, 2009: Association of American Geographers 2009 Annual Meeting Las Vegas, NV
<http://www.aag.org/annualmeetings/2009/index.htm>

April 21-22, 2009. GIS in Action: ASPRS Columbia River Region and URISA Oregon and Southwest Washington cosponsors. Vancouver, WA
<http://www.orurisa.org/events/gisinact/2009event/index.html>

May 4-6, 2009: American Water Resources Association, Spring Specialty Conference "Managing Water Resources and Development in a Changing Climate". Anchorage, AK:
<http://www.awra.org/meetings/Anchorage2009/index.html>

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