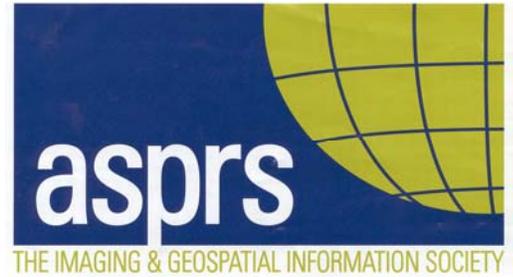

Wavelengths

Columbia River Region

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



Volume 2006-1 — March 2006

President's Letter: By Jim Meacham

Imagine running an untamed Colorado River on one of the first survey expeditions since the early Powell Survey of the Grand Canyon. Mike Renslow gave those of us who attended the CRR Annual Dinner a virtual window into that historic effort. He acquired a copy the film documentary of the famous Birdseye 1923 surveying expedition of the Colorado River in Arizona. Claude Birdseye, the Chief Topographic Engineer of the USGS at the time, led a party using four wooden boats, very similar to the vessels used by Powell's party. They surveyed a 251-mile stretch of the river from Lees Ferry to Diamond Creek. The film captured with motion pictures, still photography, audio recordings and interviews, the technical difficulties of navigating the river and surveying the nearly impassable landscape. Before viewing the film, Mike presented an extensive multi-agency mapping effort going on today using state-of-the-art photogrammetric and remote sensing techniques.

This was a great way to kick off the year for the region. We had an outstanding attendance of 60 at McMenamins' Kennedy School in Portland. Before the dinner I spent some time thinking about the significance of ASPRS in our area. What makes this organization an important part of the mapping community? Two major themes came to mind. ASPRS is important because it is one of the only societies in the Columbia River area to successfully offer a forum where mapping professionals from industry, government, and academia can come together and share ideas and techniques in a meaningful way. The other key aspect of our regional group is the diversity of the mapping disciplines represented including photogrammetry, remote sensing, GIS, surveying and even cartography. There is an integrative nature of the society and particularly in our region. The national theme of ASPRS being the "Imaging and Geospatial Information Society" holds true here in the Pacific Northwest.

Another key quality of the Columbia River Region is its commitment to supporting students. The PSU and OSU

student chapters have really thrived here. A majority of our new members are students. With my colleagues at the University of Oregon we have started the paper work to establish a UO Student Chapter. Ralph Keifer has done a fantastic job working with the Student Chapters to insure they are receiving the support they need.

Participation from our members in the upcoming events is key to the continued success and vitality of our region. I encourage all members to attend and participate in the upcoming ASPRS events this year. Most notably is the GIS-in-Action meeting in Vancouver, Washington on April 18 and 19. David Kuhn, a Portland ASPRS member, is the chair of this flagship event. The keynote speaker is from "Google Earth", and should be very enlightening. Other events will include a National Workshop and the Fall Technical exchange both organized by our new Vice-President Steve Duncan.

Chris Aldridge has done a monumental job representing our region at the national level. This year's national meeting is in Reno during May 1- 5, 2006. The theme is "Prospecting for Geospatial Information Integration". I hope our region can have a good showing there.

Lastly, I would like to take a moment to thank Anne Hillyer for her work this last year as President and for now taking on the important role of editing our newsletter.

I hope to see you at the events in the coming year.



Photo from USGS website on the Birdseye Expedition
<http://online.wr.usgs.gov/outreach/grandcanyon/index.html>

Photos from the 2006 Annual Business Meeting and Dinner January 20 at McMenemy's Kennedy School Pub, Portland,



Celia Cornett, PSU Chapter past president, displays a doorprize.



Past President Anne Hillyer smiles after passing the gavel to 2006 president Jim Meacham.



Columbia River Region Treasurer Brian Miyake was appointed for another three-year term.



2006 Vice President Steve Duncan



Amy Lobben (U of O Faculty), Geoffrey Duh (PSU chapter faculty advisor), and Bill Hines, (PSU chapter president)



Dave Kuhn, ASPRS chair for 2006 GIS in Action conference

National Directors Report: First Quarter of 2006 By Chris Aldridge

The beginning of 2006 has ushered in the changes that we in the CRR have come to expect. I would like to offer congratulations to Anne Hillyer, our 2005 President for successfully guiding us through the year, and bid her good luck as she migrates to the position of Past President. We bid a (temporary?) farewell to Bob Harmon, the former Past President and we offer a warm welcome to our incoming President, Jim Meacham. It is now also time to greet Steve Duncan, our newly elected Vice President. I would like to officially congratulate both on behalf of our Region. We are also very fortunate to have Brian Miyake, the appointed Secretary Treasurer of the region, agree to another three year term. The close of 2005 saw other changes occur in our region. The Student Chapter Liaison Committee was created and Ralph Kiefer has been installed as the chair of that committee. This is currently a temporary arrangement, until we modify our bylaws to ensure that these changes become permanent.

January 1st 2006 will perhaps be the most significant day in the photogrammetry industry in Oregon's history. On that day the Oregon Survey Law changes took effect, and the position of Registered Professional Photogrammetrist was created. This statute ensures that photogrammetry in Oregon must now be conducted under the supervision of a Registered Professional, making the science of photogrammetry a licensed profession. While not perfect, the language in this law, designed to protect our industry and the public, is the result of tireless work conducted by several CRR members, led by Doug Smith, and including Mike Renslow and George Gross. This has been a long and arduous process and we all owe a debt of gratitude to the members whose guidance and actions helped to ensure our rights were protected.

What will the impact of this change in Oregon Law be? Only time will tell us, but for now we can be satisfied that the CRR had a part in leading Oregon to the forefront of this critical, national issue.

The Society's 2006 Annual conference is scheduled to be held in Reno, Nevada the week of May first. From that meeting I'm sure that I will have much more to tell about the national level than what I can include now.

For now, I urge you all to return your ballots for national positions. **Doug Smith is running for the position of Assistant Director of the Professional Practice Division.** It would be nice to continue the trend of always having considerable representation from the CRR at the national level.

Locally, we will be hosting GIS in Action on April 17 and 18 at the Hilton Conference Center in Vancouver, WA. This is a new venue for this conference, and we hope that you will come out and attend what is shaping up to be VERY good meeting.

In closing, I'd like to thank you all for supporting the CRR through another year, and I look forward to serving as your representative on the Board of Directors for another year.

Report from Portland State University Student Chapter By Bill Hines, President

The PSU student chapter is proud to announce that we have established several scholarships for student members. We are now offering scholarships to help students with their individual research as well as attending conferences dealing with geo-spatial technologies. We have three scholarships currently. One scholarship is to help students attend GIS in Action, one to help students presenting at other national conferences, and the third helps fund students individual research. We have currently awarded Nathan Martin a scholarship. He presented at the Oregon Academy of Science. Several other individuals from the Geography department also presented including Jim Monchak, Martha A. Works, Linda K. Anderson, Janice A. Dougall, Andrew G. Fountain, Heejun Chang, Mike Boeder, and Alex Levell.

For Spring term we have four speakers coming to present. Ralph W. Kiefer will be presenting on April 21st regarding "50 Years of Remote Sensing and GIS: A Personal Journey". Kevin Martin will be speaking "Recent applications of LiDAR and Multispectral Imagery in the City of Portland, focusing primarily on mapping canopy and tree heights in Tryon Creek Watershed" on April 28th. Heejun Chang will present on May 5th (TOPIC TO BE DETERMINED). Our final speaker of the term will be Doug Smith on May 19th presenting "Designing aerial mapping projects for GIS: Key project planning issues and considerations". All are welcome to come and join in on our speaker series.

For additional news, current and upcoming remote sensing class listings refer to the following links.
http://geog.pdx.edu/GIS/grad_certificate.html
http://geog.pdx.edu/course_schedules/courses.html

GIS in Action Conference

The annual jointly sponsored ASPRS-URISA GIS in Action conference will be held April 18 and 19 this year at the Vancouver Hilton Hotel and Conference Center in Vancouver Washington. The theme will be "Open Source Solutions", with a keynote speaker from Google Earth. This is an excellent opportunity for education and networking with other members of the geospatial community:

· <http://www.orurisa.org/events/gisinact/2006event/index.html>

Report from Oregon State University Student Chapter

By Michael Wing, OSU Faculty Advisor

The OSU ASPRS chapter has hosted two seminars during winter term 2006. Computer Science professor Mike Bailey gave a presentation titled "Visualizing Science" and presented some of the interesting project work he has been involved in. Dr. Bailey's work centers on methods for data discovery through graphical approaches and spans many disciplines. Earlier in the term, John Sharrard of ESRI gave a presentation about the GPS Analyst and methods for improving data collection efficiency.

For spring events, OSU looks forward to hosting a seminar by Ralph Kiefer on May 3 and the Columbia River Regional ASPRS Board meeting on May 12.

The OSU ASPRS Student Chapter student officers for 2005-2006 are:

Jon Michael Bosley (MS Geoscience)

Josh Halofsky (PhD Forestry)

michael.wing@orst.edu

Photogrammetric Licensing by Prior Practice Applications for the state of Oregon now available online.

Senate Bill 55 was passed by the Oregon State Senate in 2005, to take effect on January 1, 2006. This bill states that a person may not practice photogrammetric mapping in Oregon unless they are registered and possess a valid certificate (license) to practice engineering, land surveying or photogrammetry issued under ORS 672.002 and 672.325.

Photogrammetrists in the state of Oregon may now apply for photogrammetric licensure by prior practice. The deadline for submitting the prior practice application is January 1, 2008. Beginning in January 2008 photogrammetrists applying for licenses in Oregon will have to take the Fundamentals of Land Surveying followed by a Professional Photogrammetry Examination in order to become licensed.

The photogrammetry by prior practice application can be downloaded from The Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) website:

<http://www.osbeels.org/Photogammetry.htm>

The minimum requirements for the prior practice license are 8 years of experience as a practitioner of photogrammetric mapping and 5 references.

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ASPRS National Elections Results

The newly elected officers at the national ASPRS level are:

Vice President: **Kass Green**

Photogrammetric Applications Division Assistant Director: **Becky Morton**

Professional Practice Division Assistant Director: **Doug Smith**

Remote Sensing Applications Division Assistant Director: **John Iames**

The current (2005) assistant directors will now advance to the positions of directors of the above-mentioned divisions.

Photogrammetric Applications Division Director: **Cliff Mugnier**

Professional Practice Division Director: **Dan Paulsen**

Remote Sensing Applications Division Director: **Tom Loveland**

2006 ASPRS FELLOW AWARD WINNERS

ANTHONY B. FOLLETT, BARRY N. HAACK and LLOYD O. HERD (Posthumously) have been named the 2006 ASPRS Fellow Award winners. The ASPRS designation of Fellow is conferred on active Society members who have performed exceptional service in advancing the science and use of the mapping sciences (photogrammetry, remote sensing, surveying, geographic information systems, and related disciplines). These awards will be given in May at the ASPRS 2006 Annual Conference in Reno, Nevada.

The designation of Fellow is awarded for professional excellence and for service to the Society. Candidates are nominated by other active members, recommended to the Fellows Committee, and elected by the ASPRS Board of Directors. Up to 0.3 percent of the Society's active members may be elected as Fellows in any one year. The nominees must have made outstanding contributions in a recognized Society specialization whether in practice, research, development, administration, or education in the mapping sciences. Members of the Fellows Committee and the Executive Committee are ineligible for nomination.

ANTHONY B. FOLLETT is the co-founder of the current AeroMetric, Inc. (dba AeroMap U.S.) group of companies and is Senior V.P. and Division Manager. Follett's career spans more than 30 years in the field of photogrammetry covering a whole range of experience. He received his BS in Civil Engineering at Oregon State University in 1969 as his MS in Photogrammetry & Geodetic Engineering, University of Illinois, 1971. He did post graduate work in Forestry Management, Oregon State University, 1971-72.

Follett served for two years active duty with the USAF as a civil engineer officer, then in the reserves for several years. His background includes production experience in flight crew, photo lab, mapping, cartography, project management, and programming. Other experience includes forestry and land surveying with the Alaska Region of the Bureau of Land Management.

Well known for his participation in ASPRS affairs at the national and regional level, Follett has been a member of ASPRS since 1968 and is a Certified Photogrammetrist. He helped organize the 1986 ACSM/ASPRS National Conference in Anchorage and was responsible for major contributions to the ASPRS 2003 Conference in Anchorage Alaska. He was the 1976 President of the Alaska Surveying and Mapping Conference, and chaired as well as served on various ACSM committees for many years. In 1973 he co-founded the Alaska Foto-Gram and was editor for four years. He is a Past President of the ASPRS Alaska Region and he chaired the Survey of the Profession committees from 1982 through 1986. He is the author and presenter of several technical papers throughout and received ASP and ASPRS Presidential Citations in 1980 and 1988.

In addition, Follett has been extremely active in MAPPS since its founding and held many officer positions, serving as 1995 -1997 President. He was appointed Member & Vice-Chairman, Export Council of Alaska, Dept. of Commerce, member of the Department of Geomatics Advisory Committee, University of Alaska, Anchorage, a past member, Survey and Mapping Advisory Committee, Alaska Dept. of Natural Resources, as well as a past Instructor at the University of Alaska

(Continued on page 6)

2006 ASPRS FELLOW AWARD WINNERS, continued

Anchorage, Oregon State University, and University of Illinois in Photogrammetry & Forestry. He is a member of the American Society of Civil Engineers; the National Science Foundation Traineeship in Civil Engineering, University of Illinois; and, Tau Beta Pi National Engineering Society.

BARRY HAACK is a professor of Geographic and Cartographic Sciences at George Mason University (GMU), in Fairfax, Virginia. He received his BS from the University of Wisconsin, MA from San Diego State University, and PhD from the University of Michigan. All degrees were in Geography.

Haack has been on the Geography Faculty at GMU for 20 years and has broad experience in technology transfer and the application of remote sensing. He has been Geography Program Director and Graduate Coordinator, and continually teaches courses in remote sensing, geography and GIS. Over 300 students have received MS degrees in Geography from GMU, most of whom have taken his courses. Haack was a research scientist at the USAID-funded Regional Remote Sensing Facility in Nairobi, Kenya, and a Fulbright Scholar at the University of Dar es Salaam in Tanzania. He has worked extensively in Nepal, first with the Nepal National Remote Sensing Centre and more recently as a visiting scientist at the International Centre for Integrated Mountain Development. He has advised the Government of Suriname on land management, consulted on agricultural rehabilitation in Afghanistan, represented the United Nations on a regional evaluation in South Asia, and conducted workshops in numerous countries.

Haack's distinguished record of funded research that has emphasized the application of synthetic aperture radar (SAR), SAR-derived measures, and the integration of SAR with optical data for land cover classification. He regularly presents his research findings at ASPRS and other professional society meetings, and publishes in *PE&RS* and all leading remote sensing journals. He was an author and co-author of chapters in the ASPRS *Manual of Photographic Interpretation*, Second Edition, and is frequently called upon to review manuscripts for the Society.

Haack's international reputation crosses the disciplines of educator, researcher and consultant. He has accrued an extensive record of service to ASPRS. A member for over 30 years, he has served on the Society's Publications and Membership Committees; the Autometric, ERDAS, Ta Liang and Alan Gordon Award Committees; and special focus groups and applications committees. Active in the Potomac Region of ASPRS, he has served on the Region Board of Directors, chaired the Education Committee, chaired the Region's scholarship committee, and organized and presented technical workshops. He co-chaired the Technical Program Committee for the 2005 ASPRS Annual Conference in Baltimore. His Society awards include the Ford Bartlett, Leica Geosystems, Presidential Citation and Conference Management awards.

LLOYD O. HERD (Posthumously) was a 1935 graduate of The Ohio State University in Civil Engineering and was a professional engineer and surveyor. Herd attended the first several meetings of ASP held at Wright Paterson Field (Dayton) beginning in about 1935 and worked in various positions with the AAA in use of air photos, TVA doing preliminary mapping for Oak Ridge, U.S. Corps of Engineers during World War II, and finally with the Ohio Dept. of Highways after the war.

A member of the ASP/ASPRS since 1937, Herd actively contributed to the Society by continued interest and involvement with the development of photogrammetric applications, support of the Society by publication reviews and, as Chief of Aerial Engineering (ODOT), provided financial /job support for students of photogrammetry as they attended The Ohio State University. In all these positions he was actively engaged in the development and application of photogrammetry. As chief of the Aerial Survey Section, Herd acquired one of the first four models of the analytical plotter produced for worldwide use by Nistri/Bendix. He was an early and continuing member of the ASPRS Transportation Committee. His publications were primarily in the various proceedings of the national Transportation Research Board.

Herd continued to support the Society by frequent attendance at local, national and international meetings, the industry and academia in the Eastern Great Lakes Region. He and/or ODOT donated aerial photographs to universities in Ohio, secured positions for young photogrammetrists, and promoted the profession and the Society. He contributed the complete back file of *Photogrammetric Engineering* to OSU dating back to the early 1940s. He died on July 15, 2005. Proudly, but sadly we are honored to present him the ASPRS Fellow Award posthumously.

ROBERT H. BROCK, JR. and ROY R. MULLEN Selected as ASPRS Honorary Members

Robert H. Brock, Jr. and Roy R. Mullen have been selected as Honorary Members by the American Society for Photogrammetry and Remote Sensing (ASPRS) through the ASPRS Foundation. One of the highest awards an ASPRS member can receive, there are only 25 Honorary Members at any given time. Candidates are chosen by the Nominating Committee made up of the past five recipients of the award and chaired by the most recent recipient. James M Anderson served as this year's chair. These awards will be made during the ASPRS 2006 Annual Conference in May in Reno, Nevada.

Initiated in 1937, the 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. This is a life time award.

Robert H. Brock, Jr. received his BS in 1958 from SUNY, his MS in 1959 from Syracuse University and his PhD from Cornell University in 1971. He began teaching at Syracuse University in 1959 and, in 1967, he went to ESF to build the mapping sciences component of the program. Brock was Chair of the Faculty of Environmental Resources and Forest Engineering at ESF from 1980-1999, continuing to teach until his retirement in 2002. He maintains active involvement with students at the college by serving on graduate student committees as an Emeritus Professor.

Throughout his career Brock was a consultant in analytic and interpretive photogrammetry for many organizations. His work has co-produced patents for a System for Correlating Electronic Distance Measurement and Aerial Photography for the Extension of Geodetic Control, 1980; Radar Calibration Using Direct Measurement Equipment and Oblique Photometry; and a Surface for GPS Relative Positioning.

Brock joined ASP (ASPRS) in 1958. From 1975-78, he represented the Central New York Region on the ASP Board of Directors and served on the ASP Executive Committee from 1976-78. He received an ASP Presidential Citation in 1980 for organizing and implementing the first student activities program at a National ACSM-ASP Convention. He is a Certified Photogrammetrist.

Roy R. Mullen, originally from New Jersey, served with the U.S. Marine Corps as a fighter pilot during World War II. He received his BS degree from the American University. In 1951, Mullen joined the U.S. Geological Survey (USGS). In 1962, he was assigned as a staff engineer to the Branch of Research and Design, Office of Research and Technical Standards, McLean, Virginia. Working principally in photogrammetric instrumentation, he contributed to the development of the USGS Autoplot system and USGS Orthophotoscope. While with USGS, Mullen held the posts of Chief, Branch of Photogrammetry, Special Projects Office; Chief, Branch of Photogrammetry, Office of Research and Technical Standards; and Pacific Region Engineer, Topographic Division. Under his leadership, the USGS continued to use state-of-the-art systems to produce orthophotography for cooperating Federal and State agencies in the Pacific Region. He was instrumental in leading the agency into the digital era by establishing the Digital Applications Team who developed the DEM, DLG and 100K data themes and led the agency's modernization effort.

As Associate Chief of the Topographic Division, Mullen's accomplishments included the initiation and management of the US/Chinese Protocol established to exchange technology on remote sensing, automated mapping and GIS. Just before his retirement in 1995, he returned to the Western Mapping Center (formerly the Pacific Region HQ offices) to serve as Acting Center Chief.

Mullen served ASPRS as Director of the 1971 Annual Convention and was a contributing author to the 3rd and 4th editions of the *Manual of Photogrammetry*, and Technical Editor for the 5th edition.

CALENDAR: Spring/Summer 2006

Contributed by Jackie Olson

This is a selected group of local and regional events; for more listings and other organizations check the links at: <http://www.asprs.org/columbiariver/calendar.html>

Don't forget the PSU Student Chapter Colloquia, held at the Portland State Department of Geography, 4th Floor Cramer Hall, 1721 SW Broadway, Portland :

Spring 2006

April 21, 2006: Ralph Kiefer, Professor Emeritus, University of Wisconsin-Madison "50 Years of Remote Sensing and GIS: A Personal Journey."

April 28, 2006: Kevin Martin, City of Portland, GIS Analyst. "Recent applications of LiDAR and multispectral imagery in the City of Portland, focusing primarily on mapping canopy and tree heights in Tryon Creek watershed"

May 5, 2006: Heejun Chang, Assistant Professor of Geography, PSU. <Title and date to be determined>

May 19, 2006: Doug Smith, "Designing Aerial Mapping Projects for GIS: Key Project Planning issues and Considerations."

March 15, 2006: Geological Society of the Oregon Country Seminar, 8:00PM, "The Rise and Fall of Tides" Led by Tara Schoffstall, GSOC Member, Room S17, Cramer Hall, Portland State University, 1721 SW Broadway
<http://www.gsoc.org/semsched.html>

March 27-29, 2006: 19th Annual GIS-T Symposium, American Association of State Highway and Transportation Officials, URISA, USDOT, and HEEP, sponsor the annual GIS for Transportation Symposium Columbus, Ohio
<http://www.gis-t.org>

April 5-7, 2006: 12th Annual California GIS Conference
Santa Barbara, CA
<http://www.calgis.org>

April 18-22, 2006: Managing Risk in Earthquake Country, 100th Anniversary Earthquake Conference
San Francisco, CA
<http://www.1906eqconf.org>

April 18-19, 2006: GIS in Action, ASPRS Columbia River Region and URISA, Note the new location - Vancouver Conference Center and Hilton Hotel
Vancouver, WA
<http://www.orurisa.org/events/gisinact/2006event/index.html>

April 19-21, 2006: The 18th Annual Nevada State GIS Conference, Nevada Geographic Information Society
Las Vegas, NV
<http://www.ngis.org>

April 21-26, 2006: ACSM Spring Conference
Caribe Royale Resort, Orlando, FL
<http://www.acsm.net/conference.html>

April 23-26, 2006: GITA Annual Conference 29, Geospatial Information & Technology Association
Tampa, FL
<http://www.gita.org>

May 1-5, 2006: ASPRS Annual Conference, American Society for Photogrammetry and Remote Sensing, "Prospecting for Geospatial Information Integration," will focus on new capabilities and technologies.
Reno Hilton Hotel, Reno, NV
<http://www.asprs.org/meetings/calendar.html>

June 26-28, 2006: Cartography and Geographic Information Society (CaGIS) research symposium on cartography in the 21st century - AUTO-CARTO 2006 to be held in conjunction with the UCGIS 2006 Summer Assembly.
Heathman Lodge, Vancouver, WA
<http://www.autocarto.org/>

September 6-9, 2006: Association of Pacific Coast Geographers 2006 Annual Meeting - hosted by University of Oregon, Geography Department, Eugene, OR
<http://apcg.uoregon.edu>

The Calendar will be updated with each issue. Please send contributions to: jcolson@usgs.gov

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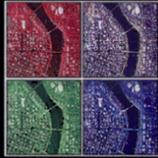
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