



THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

~The Rocky Mountain Compiler~

Issue 2

Summer 2005

Issued Quarterly

Newsletter of the Rocky Mountain Region of ASPRS, serving Montana, Wyoming, Colorado, and New Mexico

GIS in the Rockies 2005 Program Covers Full Range of Mapping Topics

The preliminary program for the 18th Annual GIS in the Rockies Conference has been posted to the conference web site at http://GISintheRockies.org. The Conference and Exhibition, titled The Geospatial Revolution: A Whole New View!, will be held at the exciting new venue of INVESCO Field at Mile High, 21–23 September 2005.

Program tracks include technical topics, policy issues and professional development such as:

- Surveying and GIS - Covering the Field
• Advanced Data Acquisition & Map Production
• Spatially Enabling Infrastructure Management
• Imagery and Remote Sensing
• Homeland Security
• Public Policy
• Introduction to GIS & LIDAR
• GIS and Emergency Response Management
• Emerging Standards
• Resource Conflict Management
• Professional Development
• Vendor Showcase

Thomas Frey, founder, senior futurist and executive director of the DaVinci Institute will provide the luncheon keynote address, "The

Future of Innovation." Launched in Longmont, Colorado, in 1997 as a non-profit futurist think tank, the DaVinci Institute has emerged as a center of visionary thought, attracting a national and international following of idea junkies and business leaders alike. The founders decided that they didn't just want to talk about the future—they wanted to help unlock the future, one idea, one invention, and one business at a time. With this directive, the Institute began educating aspiring inventors and entrepreneurs with the critical skills necessary to make their projects viable.

The Vendor Showcase will provide the opportunity for vendors to present their geospatial products, services and solutions. Exhibits at GIS in the Rockies 2005 will be open Wednesday, 21 September, 8:00 a.m. to 8:00 p.m., and Thursday, 22 September, 8:00 a.m. to 3:30 p.m.

Inside This Issue

Table with 2 columns: Page Number and Article Title. Includes items like President's Message, Student Chapter News, 2nd Annual GIS in the Rockies Job Fair at INVESCO Field at Mile High, In Memoriam, and Ten-year Remote Sensing Industry Forecast Survey.

The floor plan, booth numbers and a hot link to each exhibitor's web site can be found at the GIS in the Rockies website. Information about reserving a booth can be obtained by contacting **Tina Cary**: (phone) 303-774-8415 / (fax) 303-774-8416 / (email) vendors@GISintheRockies.org.

The following exhibitors were confirmed by mid-May:

- BAE SYSTEMS
- Berntsen International, Inc.
- Bohannon Huston Inc.
- Carter & Burgess
- CompassTools, Inc.
- CRC Press
- EarthData
- EI Technologies, LLC
- ESRI
- Geotechnologies, Inc.
- har*GIS Field Information Systems
- Hitachi Software Global Technology
- Laser Technology, Inc.
- Leica Geosystems GIS & Mapping LLC
- Merrick & Company
- National Geographic Maps
- PCI Geomatics
- URS Corporation

The Wednesday night social will provide conference attendees with a great evening of food, entertainment, socializing, and networking as one of Denver's hottest entertainers performs in the exhibit hall. **Lannie Garrett** created the show and also stars as Patsy DeCline (not to be confused with a singer with a name very similar to hers) in her tongue-in-cheek spoof of country music. As Patsy, Lannie gets the audience rolling in the aisles with her irreverent take on all that country holds sacred.

Additional GIS in the Rockies 2005 events include:

Job Fair: Wednesday, 21 Sep., 8 a.m. to 5 p.m. and Thursday, 22 Sep., 8 a.m. to 3:30 p.m.

Thursday Night Event: New Fun Run/Walk

Friday Event: Geocaching—Search for Caches with GPS

Tours: USGS, NCAR, Schriever AFB. Space is limited so check the website for further updates and instructions for signing up.

The sponsoring societies are the Colorado Section of the American Congress on Surveying and Mapping (ACSM), the Rocky Mountain Region of the American Society for Photogrammetry and Remote Sensing (ASPRS), the Rocky Mountain Chapter of the Geospatial Information Technology Association

(GITA), the Professional Land Surveyors of Colorado (PLSC), the Rocky Mountain Chapter of the Urban and Regional Information Systems Association (URISA) and GIS Colorado.

For more information, visit the web site at www.GISintheRockies.org or contact **Karen Brandt**, Chair, at Chair@GISintheRockies.org.

President's Message

To the Membership,

I hope that everyone has been enjoying the spring season. As many of us plant our spring gardens in preparation for a year of enjoyment or perform the annual ritual of "spring cleaning," so has the ASPRS Board been busy laying the groundwork for an exceptional year.

I have had the opportunity to meet with you at ASPRS events and other venues and you have been very kind to share with me your needs and expectations. Many of you have shared your interest in participating more actively with the regional ASPRS activities by volunteering or serving on the Board of Directors. I am always surprised at how mysterious the operations of the Board seem to some, so I wanted to take the next few paragraphs to describe how we operate, who we are, and what are our principles for conducting ASPRS business.

In the first paragraph I mentioned "groundwork" to describe our preparations for this year. That term is very accurate to describe what the Board has been doing for the first five months, but in many ways it is an accurate description of what we do all year long. We as a Board lay the "groundwork," "provide the environment" or "supply the framework" if you will, but it is up to the membership to do the rest—to finish the job through membership participation. We have been lucky in the Rocky Mountain Region to have one of the strongest memberships in the nation due to strong leadership and an even better membership base. Your participation in membership activities either on a regional or national level is critical to the continued success of **our** professional society. Get Active...Get involved...Make a Difference!

Now you may say to yourself, "I want to get involved, but I'm just a regular person with a regular job. I don't have much to offer." All of the members of our Board are just that—regular people. I hate to burst anyone's bubble, but we are all regular people in the GIS and mapping industry who have an interest in learning within our profession, networking with others, and making a difference in our professional

environment. Our Board meetings are open to the public and announced three days or more in advance. Many of you have already taken advantage of the invitation and have come out to meet with us. We would love to meet you too.

We are regular people, but we function under set rules and standards. I would like for you to know how I, as the current President, and many others who have held my position operate under "principled leadership." The groundwork that I do as President and that we do collectively as a Board is based upon the following six principles:

Value: To enhance the worth of belonging to ASPRS. The Rocky Mountain Region Board strives to bring events and programs to our members that provide opportunities to grow in our careers and personal relationships. We hope that these programs and events bring value to our members and yield a long-term benefit that you will share with other ASPRS members and your colleagues.

Learning: To provide an environment for learning. We must never forget that ASPRS is a professional society focused on providing an environment for continuing education for multiple disciplines and peer-to-peer knowledge sharing. One of our goals as a board is to facilitate this environment through social events, technical sessions, tours, and our quarterly lecture series.

Leadership: To develop good future leaders for our professional organization and beyond. Many opportunities exist for you (yes you!), the general membership, to get involved with the direction that your ASPRS region is going. We as a Board will always provide the opportunity and access for all of our members to participate at any level that you choose.

Excellence: To strive for superior performance in our professional careers and life. A competitive spirit that compels us to get involved and make a difference drives all of us. It is with this competitive spirit that we as a Board pursue excellence.

Benefit: To serve our society and community through service and support. We as a Board serve our membership through our selfless donation of time and effort. We do so because we like what we do and we love the positive effects our efforts bring. And finally:

Integrity: To conduct ASPRS business with the highest honor and respect for others. We know that as a Board the decisions we make affect everyone within the region. We pledge to make decisions in

the best interest of the membership and to communicate those decisions honestly and clearly.

Again, I encourage all members to get involved this year. This can be accomplished in many ways: attend board meetings; volunteer to help at various local conferences; attend holiday party get-togethers; attend/sponsor technical tours; help organize student or sub-region chapters; submit articles for newsletter/ website; and/or simply call or send email with any comments/suggestions/questions to any of the current board members.

If you haven't joined your fellow ASPRS-RMR members in one of the recent Rogues Night Out events, you are definitely missing the fun. These informal "gatherings" are designed for geospatial professionals (and others) to meet each other, chat, share industry information, and network. If you are not on the e-mail list for these events, please send your e-mail address to **Ken Turnbull** at kenturnbull@earthlink.net. If you are on the list and haven't made it to one of the events, you owe it to yourself and your professional development to attend.

Lastly I would like to recognize the passing of **Roger Pacey**. Roger was not only a long-term member/supporter of the mapping and GIS community, but also a great family man and a good friend to many. His presence will be missed.

I hope to meet many of you in the near term. As always, feel free to e-mail or call me at any time.

Jaymes Pardue
President ASPRS-RMR 2005
jpardue@vargis.com

18th Annual GIS in the Rockies Conference Online Registration is Available!!!

Visit the web site at:
<http://GISintheRockies.org/registration/index.htm>

National Director's Report

Unfortunately this newsletter falls between ExCom and National Board meetings so I do not have much to report until our next meeting. However, there are two items that may be of interest to the membership.

First, there is a proposed withdrawal of aeronautical data and products from public distribution by the National Geospatial-Intelligence Agency (NGA). Due to the precedent being set, this is a concern to the civil aviation community and the larger geospatial community. NGA is proposing to make valuable

datasets unavailable, while at the same time (in other venues) working to make more of its data available to the general public. ASPRS is currently reviewing the text of a letter to be sent to NGA in protest. I encourage you to read the proposed rule at <http://a257.g.akamaitech.net/7/257/2422/06jun2004/1800/edocket.access.gpo.gov/2004/04-25631.htm>, and provide your own response to aero.ocr@nga.mil (by June 30!!).

URISA's response is located at http://www.urisa.org/Board_Initiatives/NGA.htm, which also includes links to the responses provided by the Aircraft Owners and Pilots Association and the American Library Association. Kent Lee of East View Cartographic provided another good analysis; this can be viewed at <http://www.cartographic.com/documents/Open%20Memorandum%20on%20NGA%2010%20Jan%202005.pdf>.

Second, Rep. Mark Udall has introduced House Resolution 426, the Remote Sensing Act of 2005 before the U.S. House of Representatives. This bill supports greater use of remote sensing and geospatial information technologies by state, regional, local and tribal organizations. It recognizes that this information, while available, is often not adequately utilized due to a variety of inhibiting factors. The bill directs NASA and other agencies to promote geospatial technologies through the use of pilot project grants and educational outreach. The bill language and status can be tracked at www.govtrack.us/congress/bill.xpd?bill=h109-426. ASPRS supports the introduction of legislation like this and will continue to be an active advocate for the geospatial industry.

Even between meetings, there are always so many things happening in the geospatial community! If you have questions concerning the items above (or other topics), you can reach me at allen.cook@ngc.com.

Allen Cook

National Director ASPRS-RMR

2005 RMR Scholarship Announcement

The Rocky Mountain Region (RMR) of ASPRS is pleased to once again offer scholarships to deserving students this calendar year. We have up to \$6,000 of scholarship monies available to award deserving undergraduate and graduate students! The scholarships are intended for students throughout the Rocky Mountain Region of ASPRS (Colorado, Montana, New Mexico and Wyoming) who are demonstrating excellence while pursuing careers in the fields of Photogrammetry, Remote

Sensing, Geographic Information Systems (GIS) or related disciplines. Both undergraduate and graduate students of any third-level educational institution within the four-state region who are pursuing careers in these disciplines are eligible for the awards.

The scholarships are being offered to support academic research in the geo-technologies, as well as to aid with travel costs to encourage student participation in ASPRS activities. The monetary awards can be used to offset any costs the students incur while pursuing their college degrees, whether it be for data, fieldwork, or to help pay for travel to attend any ASPRS-sponsored convention.

Official announcements will be sent out in the coming months. The official announcement will identify the procedures and schedule for submitting applications. The winners will be announced in December in the ASPRS-RMR winter newsletter issue. Awards will be presented at the Annual Dinner Meeting in January 2006.

Make sure your advisor/instructor and department are on the mailing list and check www.asprs-rmr.org regularly for more details. We had a very successful Scholarship program last year where we awarded 8 scholarships with a total value of \$6,500, so please take the initiative and apply!

For more information, contact:

Bryan McFadden

Vice President, ASPRS-RMR

Chair, Scholarship Committee

Tel: 303-513-3403

bryanmcfadden91@yahoo.com

Looking for New Student Chapters

In an effort to continually expand the contributions of our student membership, the Rocky Mountain Region is looking for new student chapters at universities and colleges within our region (Colorado, Montana, New Mexico and Wyoming). With the technological advances in the mapping sciences and continued widespread acceptance of these technologies beyond traditional areas, the ASPRS student members of today have the ability to create the foundation for the future of our industry. Active participation in ASPRS provides access to current industry leaders and visibility for your department, college, or university.

Society membership offers students the opportunity to develop the skills required in today's challenging professional climate, equipping them with technological proficiency necessary for long-term

professional growth, and allowing for critical networking with other ASPRS members and sustaining organizations.

If you are interested in starting a new student chapter within the Rocky Mountain Region please contact:

Bryan McFadden

Vice President, ASPRS-RMR

Tel: 303-513-3403

bryanmcfadden91@yahoo.com

**18th Annual GIS in the Rockies Conference
Online Registration is Available!!!**

Visit the web site at:

<http://GISintheRockies.org/registration/index.htm>

Student Chapter News

University of Wyoming, Snowy Range Chapter

As the spring semester came to a close at the University of Wyoming, the Snowy Range chapter was already making plans for next school year. Student membership is approximately 15 students, most of whom will be returning in the fall semester.

This spring, Leica Geosystems gave an excellent and informative presentation to the Snowy Range chapter. Leica provided a wonderful pizza lunch for students attending the presentation. The speaker focused on group participation by encouraging students to ask questions. This was a fantastic opportunity for us to learn more about ERDAS IMAGINE functionality. To close out the school year, the club planned a social event before buckling down to study for final exams. The Snowy Range chapter went on a tour of the Budweiser brewery in Ft. Collins, CO, followed by an educational afternoon at the Denver Natural History Museum.

A basic web site is in place now for the Snowy Range chapter!! (<http://www.wygisc.uwyo.edu/asprs/>). Improvements to the web site will take place over the summer months. Student resumes will be added, and more remote sensing and GIS web resources will be listed for students. The club will also be starting a list server in the fall semester where students can post questions about geospatial technologies and receive input from fellow colleagues as well as faculty members. A club logo is in the works and should be on the web site by summer's end!

The club voted to keep the current officers in place for the upcoming school year since we are still getting the club off the ground. Possible activities for

the 2005–2006 school year have also been discussed. Two of the more popular activities are (1) planning a university-wide scavenger hunt and (2) using remote sensing imagery to create artwork. Other plans for next year include:

- Increase undergraduate membership
- Attract students from a variety of disciplines where geospatial technologies are used
- Gain visibility on campus as a way to teach others about geospatial technologies

Tracy Baldyea

UWYO Student Chapter

RMR Rio Grande Chapter

Spring Meeting Success!

The Rio Grande Chapter held its 2005 Spring Meeting on 25 March at the University of New Mexico. It was hosted by the Center for Rapid Environmental Assessment & Terrain Evaluation (CREATE) at the Science and Technology Park. The meeting consisted of a morning gathering and technical session and an afternoon tour of the CREATE facilities.

The informative afternoon tour was of the UNM CREATE center, a direct broadcast satellite downlink station. Visitors got to view the lab and processing center where CREATE receives and processes remotely sensed MODIS and AVHRR data from NASA and NOAA satellites in near-real time. There was even an opportunity for folks to watch a live capture of a NOAA pass.

We had a successful gathering of ASPRS members and some new visitors. There were 25–30 attendees, with some new faces and out-of-town guests. Refreshments were abundant, and it was a great opportunity for socializing and networking.

Fall 2005 Rio Grande Chapter Academic Scholarships Offered

The Rio Grande Chapter of the Rocky Mountain Region is offering student scholarships of \$750. The merit-based awards are available to college juniors and seniors and graduate students working in the areas of imaging and geospatial information and technology.

The deadline to apply is June 30, 2005.

For additional information please contact:

Mike Racine

Mike@blueskies.aero

Archaeological Geospatial Working Group Examines the State of Archaeology/GIS Education at UNM

Rio Grande Chapter Director **Heather Richards** and former Director **Judith van der Elst** recently hosted a symposium at the University of New Mexico designed to bring archaeology professionals and students together to discuss the potential of geospatial training and techniques for academic research and for applications in industry. Attendees included representatives from the Geography and Anthropology Departments at UNM, TVI Technologies Department, Forest Service, Bureau of Land Management, State of New Mexico and others.

The symposium also included presentations of student projects created during the GIS/Archaeology seminar taught by Richards and van der Elst in the UNM Anthropology Department during Spring Semester. Projects focused on solving real-world issues in cultural resource analysis and management using GIS-based techniques.

Richards and van der Elst are currently planning a similar symposium at the ASPRS National Convention.

New Rio Grande Chapter Certified Professionals

Two Rio Grande Chapter members, **Zachary Stauber** and **Amy Hoepfner**, recently received Mapping Scientist GIS/LIS certifications. Stauber is a GIS Analyst at Bohannon-Huston Engineering in Albuquerque. Hoepfner is a GIS Analyst at Ebert & Associates and a GIS Instructor at TVI Community College in Albuquerque.

New Board Director and Upcoming Elections

The Rio Grande Chapter Board welcomes **Bart Matthews** as our newest director. Bart replaces outgoing director **Chad Poole**. Thank you Chad for all for your hard work! The 2005 Rio Grande Chapter Board of Directors is currently in the process of nominating and electing officers.

2nd Annual GIS in the Rockies Job Fair at INVESCO Field at Mile High

We cordially invite you to the Job Fair held within the GIS in the Rockies 2005 conference, *The GeoSpatial Revolution: A Whole New View!*

The Job Fair is a two-day event:

Wednesday, 21 Sep. 2005, 8:00 a.m. to 5:00 p.m.
Thursday, 22 Sep. 2005, 8:00 a.m. to 3:30 p.m.

JOB SEEKERS:

Job Hunting?

Bring plenty of your updated résumés to the Job Fair! There is no additional fee to attend the Job Fair **for conference attendees**. The names and website links of the companies that will be participating in the Job Fair will be posted on the web site at <http://www.gisintherockies.org/program/JobFair.htm>. This will make it easier for you to do background research on the companies before the fair.

Note: If you would like to attend the Job Fair and you are not a conference attendee, you can purchase an Expo/Job Fair-only pass either online or by downloading a registration form and mailing or faxing the completed form. You can also purchase a pass at the registration desk for \$25 per day. This pass will allow you access to the exhibits area and the Job Fair-area only (no lunch will be provided).

EMPLOYERS, HUMAN RESOURCE MANAGERS AND/OR EMPLOYMENT RECRUITERS:

Looking for Qualified Employees?

GIS in the Rockies Job Fair may be the answer! All levels of experience will be represented, from senior employees to those just starting out in the geospatial field. Recruit for positions in the areas of Photogrammetry, Cartography, Remote Sensing, Engineering, Surveying, Data Base Administrator, System Administrator, Data Conversion, Project Manager, Enterprise GIS Manager, Programmer, Data Technician, Proposal Writer, Business Development, Geospatial Sales, Marketing Professional, Research Scientist, Product Development Manager, Software Engineer, Satellite Collection Planner, Customer Service Representative, Software Test Engineer, Image Technician, Digital Map Analyst, IT (all Types), QA/QC Engineer, Spacecraft Operations Engineer, Image Algorithm Specialist, Director, just to mention a few.

Our GIS in the Rockies Job Fair is the place to find highly qualified professionals. The Job Fair is a very effective way to advertise your position(s) and to interview candidates with minimal expense.

If you have any questions concerning the Job Fair please contact:

Pamela Coonrod - Job Fair Coordinator

GIS in the Rockies 2005

Tel: 303.428.3526 ext. 280

Fax: 303.428.9348

E-mail: JobFair@GISintheRockies.org

Volunteers Always Wanted for GIS in the Rockies!

Every year, GIS in the Rockies benefits from the assistance of a dedicated group of individuals who volunteer their time to help organize and run the conference. Our volunteers staff the onsite registration and information desks, assist presenters as they set up their presentations, serve vendors in the exhibit area, and perform a wide range of other important duties.

Volunteers who work for at least **eight hours before or during the conference receive free registration for the entire conference.** Volunteering not only saves you money, it's a great way to meet other folks in the industry and have fun at the same time.

To volunteer or for further information contact:

Pamela Coonrod at
Volunteers@GISintheRockies.org

In Memoriam

Two highly esteemed colleagues in our industry passed away this spring. Roger Pacey and Bob Colwell will be greatly missed.

Roger Pacey

Our colleague Roger Pacey died suddenly on Wednesday, 6 April 2005. Roger, his wife Michelle and children Melissa (12) and Cameron (9) were on vacation in Hawaii at the time. Employed by ASPRS Sustaining Member Leica Geosystems GIS & Mapping LLC for the past 11 years, Roger educated many of us about their new digital cameras. He was highly knowledgeable and always courteous and informative when responding to questions.

Cards and letters to the family should be sent in care of Leica Geosystems, 61 Inverness Drive East, #200, Englewood, CO 80112. Donations may be made to a trust fund for the benefit of the Pacey children. Make checks payable to Pacey Children, c/o 1st United Bank, 19201 East Main Street, Parker, CO 80134.

Robert N. Colwell

Robert N. Colwell, a giant in our field, died Thursday, 14 April 2005, due to complications from a broken hip. Among his many accomplishments, he was Editor-in-Chief of the first ASPRS **Manual of Photographic Interpretation** (1960) and of the second edition of the **Manual of Remote Sensing** (1983). He also wrote more than 400 articles, mentored numerous students at UC Berkeley and consulted to federal agencies and private

companies. To read more about his life and contributions, see the story released by UC Berkeley http://www.berkeley.edu/news/media/releases/2005/05/02_colwell.shtml.

ASPRS Reno Conference Abstract Deadline Extended

Due to several requests from academics and members, ASPRS has extended the deadline for submission of abstracts for the ASPRS 2006 Annual Conference "Prospecting for Geospatial Information Integration" to **Monday, 15 August 2005**. This meeting is being held in Reno, Nevada, on 1–5 May 2006.

If you have already submitted an abstract for this conference, the Technical Program chairs thank you. The complete Call for Papers, with instructions and track listings, is available on line at <http://www.asprs.org/reno2006>. Abstracts are limited to 250 words. An online abstract submission form is available at the web site above. Please take time to formulate and submit your abstract today. We are looking forward to another highly informative and successful meeting!

Kimberly A. Tilley

Associate Executive Director/Communications
 Director

ASPRS Releases Update to LAS Lidar Data Exchange Format Standard

ASPRS released version 1.1 of the ASPRS Lidar Data Exchange Format Standard (LAS) at its 71st Annual ASPRS Conference and Exhibition held in Baltimore, Maryland, in March. This binary data exchange format is an industry standard for the exchange of lidar data between various hardware manufacturers, software developers, data providers and end-users. The LAS format is primarily intended to make the exchange, manipulation, analysis, and storage of lidar data faster and easier. In addition, a standardized lidar data format helps to facilitate the processing, editing and visualization of lidar data in a wide variety of commercial and proprietary software packages. The format is a public binary file format that is a replacement for the proprietary systems or a generic ASCII file interchange system used by many companies in the past. [See "The LAS 1.1 Standard" by Lewis Graham in the July 2005 issue of *PE&RS*.]

"ASPRS maintains the LAS format standard as a service to its members, lidar system manufacturers and those who acquire and process lidar data," said ASPRS President Karen Schuckman. "A common,

public binary data format ensures efficient storage of large, complex datasets and encourages interoperability between many photogrammetric and GIS software packages. Our goal is to allow the end-user community to explore and exploit lidar data in a wide variety of applications and to facilitate the use of lidar-derived map products in federal, state, local and private geospatial data infrastructure.”

The ASPRS Lidar Committee maintains the LAS format through its LAS Working Group. The original version of the LAS format was released in May 2003. As part of its ongoing review, the LAS Working Group proposed an interim update of the standard to address several minor issues and provide clarification to the original documentation. After input was solicited from various industry stakeholders, a change document was submitted to the full committee for review and the revisions approved at its 7 March 2005 meeting.

The LAS Working Group will now focus on a full version update of LAS to V2.0. Topics to be covered include optimization and revision of the existing format, inclusion of additional data such as RGB values, the potential for waveform encoding, the extension to cover other diverse data formats such as manufacturer’s comprehensive outputs and the potential to have the LAS format cover lidar data from terrestrial (ground-based) laser scanners as well. At the request of the National Geospatial-Intelligence Agency (NGA), the Working Group will also investigate the potential to use the Advanced Authoring Format (AAF) as a wrapper for .LAS data. This would allow much easier integration and exchange of integrated data sets (lidar + something else) as well as provide other benefits to government users such as NGA. The ASPRS Lidar Committee is planning to review and release V2.0 in early 2006.

Many ASPRS member organizations, including the major industry manufacturers and software developers, have adopted the LAS format since its release in 2003. Maintenance of the LAS standard by ASPRS provides an invaluable service to ASPRS individual members, sustaining members and to the geospatial data industry at-large and it is anticipated that ASPRS’ continued development of this standard, along with the ongoing release of ASPRS guidelines and best practices for lidar mapping, will further promote the adoption of lidar mapping by professional practitioners.

Founded in 1934, ASPRS is an international professional organization of 7,000 geospatial data professionals. ASPRS is devoted to advancing knowledge and improving understanding of the

mapping sciences to promote responsible application of photogrammetry, remote sensing, geographic information systems and supporting technologies.

Welcome New Members!

*Ms. Colleen Boodleman
 *Mr. Jaime Chamberlain
 *Mr. Christopher England
 *Mr. Stuart Giles
 *Mr. David W. Lucke
 Mr. Phillip Blaine Merrill
 *Ms. Cinda Ann Murdock
 *Mr. Chris Rennaker
 *Mr. Paul Schilke
 *Mr. Kirk Ryan Sherrill
 Mr. Ryan Stage
 *Mr. Richard Streeter
 *Ms. Laura Thel
 Mr. Michael Zambon

* Student Member

Ten-year Remote Sensing Industry Forecast Survey

ASPRS, in cooperation with the U.S. Geological Survey, is continuing to update and expand the Ten-Year Remote Sensing Industry Forecast. The focus of Phase IV’s Forecast is to refine and revalidate earlier findings, as well as to delve into the use of and needs for mid-resolution imagery.

Please help us help the profession by taking approximately 15 minutes to complete the Phase IV survey at <http://www.asprs.org/forecastIV>. All survey data is confidential—you are not required to identify yourself or your organization. Additional information about the forecast is available at <http://www.asprs.org/news/forecast/>.

Questions or comments regarding this survey should be addressed to:

Charles Mondello, Project Team Chair
forecast@asprs.org.

Job Postings!!!

It’s time to check out the Job Listings page on our Rocky Mountain Region web site. We have a new supplemental listing of companies with web site links. This is a helpful resource for those seeking a new job! We currently have six great jobs posted. There are many new opportunities out there!!

Check out the Jobs Listings at www.asprs-rmr.org/jobs.html.

ASPRS – Rocky Mountain Region: 2005 Officers

President	Jaymes Pardue VARGIS LLC	Work: 303-384-1925 Fax: 303-384-1926 igpardue@vargis.com
Vice-President	Bryan McFadden	Work: 303-513-3403 Bryanmcfadden91@yahoo.com
Secretary	Terry Ryan LizardTech	Work: (303) 903-3604 Fax: (303) 703-3632 tryan@lizardtech.com
Treasurer	Mark Hess Ocean Imaging Inc. Littleton, CO	Work: (303) 948-5272 Fax: (303) 948-5272 mhess@oceani.com
National Director	Allen Cook Northrop Grumman Mission Systems Lakewood, CO	Work: 720-744-7328 allen.cook@ngc.com
Regional Director (GIS in the Rockies)	Jan Van Sickle Van Sickle LLC Denver, CO	Work: (303) 915-4669 Fax: (303) 254-2213 hoagy@ix.netcom.com
Regional Director (GIS in the Rockies)	Roland Mangold Spatial Resources, LLC Littleton, CO	Work: 303-721-9042 roland.mangold@comcast.net
Regional Director (Communications/Newsletter)	Jennifer Whitacre Spectrum Mapping Denver, CO 80202	Work: 303-298-9847/ 315 Fax: 303-292-9279 jwhitacre@specmap.com
Regional Director (General) Director	Jeff Young Leica Geosystems GIS & Mapping Division Englewood, CO	Work: 303-799-9453 / 16 Fax: 303-799-4809 Jeff_young@gis.leica-geosystems.com
Regional (At Large)	Richard W. Cooke Research Systems, Inc. Boulder, CO	Work: 303-413-3964 Fax: (303) 786-9909 rwcooke@rsinc.com
Past President	Brian Soliday SANZ Geospatial Solutions Group Erie, CO	Work: 303-250-5537 Fax: 303-485-0100 bsoliday@sanzen.com
Communications Coordinator/Webmaster (not on the board)	Sheila Pelczarski Denver Water (MC 414) Denver, CO 80204	Work: 303-628-6511 Fax: 303-628-6852 sgp@denverwater.org