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THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

~The Rocky Mountain Compiler~

Issue 3

Fall 2003

Issued Quarterly

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

President's Message

I hope you all have enjoyed your summer and were able to get some time off to enjoy yourselves with family and/or friends. But as the summer daylight hours get shorter, it seems the fall season brings increased activity within the remote sensing and GIS industries.

This is especially true for those of us in the Rocky Mountain Region who are busy finalizing the details for the upcoming (October 1-3) GIS in the Rockies 16th Conference. This year the conference will once again be at the Merchandise Mart but the session format has been changed to be a very focused 2-days of technical talks, workshops & exhibits followed by a day of optional technical tours, golf tournaments, etc. If the 4-fold increase in submitted abstracts is any indication, this may be the most well attended GIS-Rockies conference so far. Although this conference is put on by industry professionals in the Rocky Mountain Region for professional peers in our region, the quality reputation of this conference has spread so that it is now attended by many across the entire US (and even a few internationally). Additional details regarding the conference are found later in this Fall Newsletter.

The GIS in the Rockies Conference is truly a great local/regional venue for the following: presenting research, sharing ideas, networking with peers, learning about different vendors and products, looking for a job, going on industry

technical tours, socializing, and attending multiple educational sessions covering a wide suite of industry interests and topics. But it also serves an important function for your RMR of ASPRS that many of you may not be aware of. It is the largest single money raising event for our local ASPRS region each year and the proceeds are exclusively spent each year within our region to strengthen our remote sensing industry. The funds are used in many ways such as: establishing and supporting local chapters and student GIS/RS organizations, sponsoring technical tours and social events, hosting our annual holiday dinner and my favorite, awarding scholarships to deserving students.

Thanks to the success of this conference last year and our support in hosting the Pecora Landsat Conference last fall, this fall we are announcing more scholarships than ever before. They are open and to be awarded to undergraduate and graduate students at accredited higher-level institutions throughout New Mexico, Colorado, Wyoming, and Montana. The application is short and painless and

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presents a great opportunity for students to be awarded extra cash for research and/or travel related to their studies. Additional details are provided later in this newsletter. If you are a student or know one who may be interested in this opportunity, please be on the lookout for the Scholarship Application which will be sent out soon!

In case you are still wondering how you could become more involved in your local ASPRS region and have the great fortune of interacting with the likes of the rogues on our board, you are in luck. We are still looking for a volunteer to fill the recently vacated Treasurer seat on the board. And as we near end of year, we can always use more support (different positions with different levels of responsibility) within the local region as well as for the quickly approaching ASPRS National Conference (to be held in Denver next May). Please feel free to give me a call or e-mail me any time. I look forward to hearing from you.

See you at GIS in the Rockies Conference! And if your travel budget allows, don't forget about the ASPRS specialty fall conference to be held in Charleston in late October.

Scott A. Bennett
President ASPRS-RMR 2003
sbennett@imagelinks.com

GIS in the Rockies

The 2003 GIS in the Rockies conference is almost here. The theme is "Geospatial Integration: Today for Tomorrow." The conference is set for the days of October 1-3 at the Plaza at the Mart in Denver. The address of the Plaza at the Mart is below. This year's format consists of two days of technical sessions and workshops on beginning Wednesday Oct.1. The third day of the conference will host four exciting technical tours and the GIS in the Rockies golf tournament at the Buffalo Run Golf Course.

The luncheon speakers are Mr. **Peter Batty**, Chief Technology Officer of Ten Sails, Inc. and Mr. **John J. Hansen**, the Chief Technology Officer for the State of Colorado. **Mr. Batty** will speak Wednesday, October 1 at 12:30 pm and **Mr. Hansen** will speak Thursday, October 2 at 12:30 pm.

The conference schedule is as follows:

On Wednesday, October 1, the doors open at 8:30 am. Exhibit hours will be from 10:00 am – 7:00 pm with concurrent technical sessions running from 8:30 am - 5:00 pm. Workshops will also be spread throughout the day. An evening social will run from 5:00-7:00 pm that evening.

Rocky Mountain Compiler

On Thursday, October 2, the exhibit hours will be 8:00 am – 3:00 pm. Concurrent technical sessions will run from 8:30 am – 5:00 pm.

A poster session open to both students and industry professionals will be on display Wednesday and Thursday. You do not have to be a registered participant at the Conference to display a poster. Special badges will be issued to you on the day so you can display your poster. Students can enter the poster contest for a chance to win \$350.

Workshops confirmed so far are listed below. Check the GIS in the Rockies web site for an updated schedule. Conference workshops are all held within the conference venue and as part of the regular Wed/Thurs conference sessions. Registered attendees can take in as many workshops as they wish (space permitting).

Several vendors are also offering pre-conference workshops this year. Some of these carry additional registration fees. Attendees must register for the pre-conference workshops independent of their conference registration. See the web site for details.

For additional information, contact our workshop coordinator, **Paul Valdez**
workshops@GISintheRockies.org.

Conference Workshops (Wednesday/Thursday).

- 1) GPS Data Collection Ready For ESRI Software - **Ralph Imbrogno**, CompassCom
- 2) Integrating Data with the National Hydrography Dataset - **Jeff Simley**, U.S. Geological Survey
- 3) Breaking Down the Barriers: Real-Time GIS Monitoring - **Chris Goranson**, PWT, LTD, **Steve Zec**, Catch4, Inc., **Richard Machanoff**, PWT, LTD
- 4) ArcGIS Desktop Cartography - **Dylan Thomas**, ESRI
- 5) Geoprocessing at ArcGIS 9.0 - **Jay Bohac**, ESRI
- 6) GIS Certification - **Cindy Domenico**, URISA
- 7) Topology Rules in the Geodatabase using ArcGIS Desktop - **Emily Tessar**, ESRI

Friday will consist of four technical tours beginning at 9:30 am as well as the golf tournament.

Other News:

To date, 54 exhibitors are confirmed. The list of exhibitors is on the GIS in the Rockies web site at <http://www.gisinthetrockies.org/exhibitors/index.htm>

ASPRS is sponsoring the socials following each technical tour on Friday, October 3rd. (more details on tours in the following story)

Venue Information

Plaza At the Mart
[Denver Merchandise Mart](#)
451 East. 58th Ave
Denver, CO 80216
Toll Free: 1-800-289-6278

GIS in the Rockies Technical Tours

Friday, October 3, 2003

What are you doing on the third day of the GIS in the Rockies conference? Don't miss this great opportunity to visit a few of Colorado's premier geospatial facilities! These tours provide an insider's look at how leading GIS and remote sensing organizations operate and offer an excellent way to network and meet others in the industry. Following each tour there will be a short social with refreshments sponsored by ASPRS. The tour schedule is as follows.

Tech Tour #1: USGS Mapping Center

Time: 9:30 AM
Duration: ~ 2 hours
Location: USGS Mapping Center - Denver Federal Center, Lakewood
The USGS Rocky Mountain Mapping Center is the facility where 350 professionals conduct mapping activities in the western United States, including the production of digital elevation models, planimetric data, production of graphic maps and the development of new mapping products. The tour will include stops at their visitors center, map sales department, the distribution facility, the research center (including the GeoMac wildfire monitoring center, with emphasis on spatial analysis and GIS), as well as a stop in the production areas, highlighting land use data, national hydro data and elevation data.

Tech Tour #2: Jeppesen (Jeppesen Sanderson, Inc.)

Time: 10:00 AM
Duration: ~ 2 hours
Location: Jeppesen Headquarters off I-25 and County Line Road, near Park Meadows shopping mall
Jeppesen, now a Boeing subsidiary, is a world leader in publishing print and electronic navigation data for the aviation and marine industries. The tour will examine how Jeppesen is applying GIS in support of several areas of the business. Jeppesen will discuss the development of synthetic vision products for use in the cockpit in conjunction with

several NASA-funded research projects. Jeppesen will also describe the use of satellite imagery in the development of geo-referenced airport mapping databases.

Tech Tour #3: DigitalGlobe*

Time: 2:00 PM
Duration: ~ 2 hours
Location: DigitalGlobe Headquarters - 1900 Pike Road, Longmont
DigitalGlobe is a leading spatial and information company located in Longmont, CO. The tour will cover their entire facility, following the process of a QuickBird satellite image order from first contact with the customer through acquisition and processing to delivery. One highlight of the tour will be the Space Operations Department or "Mission Control."
*The sign-up deadline for this is September 15th.

Tech Tour #4: BP Center for Visualization **

Time: 1:00 PM
Duration: ~ 2 hours
Location: University of Colorado campus - 3400 Marine Street, Boulder
The highlight of the tour will be the Center's "immersive visualization" room which allows scientists to transform data into life-size pictures that are easy to understand and manipulate. The virtual-reality chamber consists of three 12-foot screens that can project images of anything from an oil field to the inner workings of human cells. The 3-D image changes as users wearing special virtual-reality glasses walk around the space.
** Additional cost of \$25 for this tour

Please visit the [GIS in the Rockies](#) web site for more details. Only registered conference attendees who have signed up in advance may attend. You will need your conference badge.

Golf Tournament

If golf is more to your liking, consider the GIS in the Rockies golf tournament beginning at 1:00 PM on Friday October 3rd. Details are on the web site. Please contact [Mark Hess](#) for additional information or to add your name to the tour list(s) of your choice. Space is limited. Sign up now!

Hope you can join us.

Mark Hess

GIS in the Rockies Event Coordinator
events@GISintheRockies.org

GIS in the Rockies is Organized by:
ACSM, ASPRS, GITA, PLSC, URISA, GIS Colorado

ASPRS 2004 – Denver, Colorado

The Rocky Mountain Region continues to plan for the 2004 Annual Conference. This conference will be held in Denver in May 2004, and represents a significant effort on the part of ASPRS and the Rocky Mountain Region. If you have ideas or a little time to help in planning this important event, please contact the RMR National Director **Allen Cook**, Allen.Cook@ngc.com or 720-963-6941. Please see the Region website <http://www.asprs-rmr.org> for more information.

ASPRS-RMR Scholarships

The Rocky Mountain Region (RMR) of ASPRS is pleased to once again offer scholarships to deserving students this calendar year. We have **doubled the available scholarship monies** to a total of **\$3,000** that will be awarded to 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 in 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.

These academic scholarships were designed for students exhibiting academic excellence in photogrammetry, remote sensing and/or GIS. The scholarships are being offered to support academic research in the geo-technologies as well as to aid in travel costs in order to encourage student participation in ASPRS activities. The monetary awards can be used to offset any costs the students may have incurred 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 September and 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 2004.

For more information, contact;
Brian Soliday
 Vice President, ASPRS-RMR
 Chair, Scholarship Committee
 Tel: 303-250-5537
bsoliday@earthsearch.com

Rio Grande Chapter News

The ASPRS Rio Grande Chapter has been meeting regularly throughout the summer, and we have several exciting news items to report.

ASPRS Photogrammetry Certification Workshop

ASPRS offers Photogrammetry Certification for both members and non-members. Certification has become increasingly important, as seen by the numerous states and corporations that now require formal credentials. The New Mexico Rio Grande Chapter held an introductory meeting for the Workshop on July 11, and there was a great turnout. The introduction was open to anyone interested in certification and included information on the certification process and prepared application packets. Information on the process can be found on the ASPRS Web site: <http://www.asprs.org>.

The Workshop will be hosted by Certified Photogrammetrists, and will consist of multiple sessions of tutorials and reviews. The Chapter is assessing a Workshop fee that will cover application submission and all Workshop materials, including a photogrammetry textbook (which can be taken into the exam for reference).

The RGC Board decided that the class will run for six months in order to prepare for the exam and will meet every other Tuesday at 5:45 pm for up to two hours. The first meeting was Tuesday August 5th. This class includes preparation for all three certification exams. Thanks to **Mike Racine, Chad Poole, Steve Scharf, and Chandra Bales** for their time and efforts in organizing this class and to EnerQuest for hosting the classes.

RGC-sponsored Student Chapters at UNM and NMSU

Progress is being made on defining objectives, identifying faculty sponsors, recruiting members, and researching how other student chapters are organized and what their activities are.

The NMSU Student Chapter will meet along with the Geography Department's Geography Club, with the first meeting taking place on Tuesday, August 26. **Chris Godlewski** is doing a great job in organizing this effort.

Fall Meeting

There are several options being discussed for our official Fall Meeting, including the possibility of having the meeting in Las Cruces this year. There are good possibilities of a NOAA weather station tour in Santa Teresa and a tour of the new USDA/ARS facility at NMSU. These plans should be put in place in the near future.

GIS Day

In conjunction with the Gila National Forest's annual Geospatial Symposium, to be held in Las Cruces Nov 18-19, NMSU will be coordinating their first GIS Day event. The Rio Grande Chapter will be one of the sponsors, and we encourage participation from anyone interested. Please contact **Janet Greenlee** (janetg@crl.nmsu.edu or 505.646.3307) for additional information.

New Board Director

The Board welcomes Judith van der Elst as our newest Director. She is replacing Clay Mathers, whose work on the board was much appreciated. Judith is enrolled in the Ph.D. program of Anthropology at the University of New Mexico and for her dissertation research is taking an interdisciplinary approach, including analysis with remote sensing techniques.

Rio Grande Chapter Membership

We now have 82 active members in all categories, and we would like to welcome our new 2003 members.

Active: Michael DeMers, Amy Jane Hoeptner, Barry Roberts

Student: Jennifer LaCava, Andrea Laliberte

Sustaining Member and Contacts: Photon Research Associates - **Trayce Bilbo, Owen Lewis, John Rasure, Mel Towner**

Certification Program Expanded

To provide recognition of experienced photogrammetric and remote sensing technicians and a developmental track to becoming professionally certified, ASPRS is expanding the Certification Program to include Photogrammetric Technologist and Remote Sensing Technologist. The Professional Practice Division, through the Written Examination Program Committee, has developed the requirements, procedures, and examinations for this program. For more information, contact **Mike Renslow**, mike@sbgmaps.com.

Membership Reminder

Is your membership up for renewal?

Renew online – Just log on to the ASPRS website, select the e-serve button, then log on with your current ID and password. All transactions are encrypted to guarantee security of your credit card information. Save the cost of the stamp.

Welcome New Members!

Joseph Phillip Decker*
Marceil James
Lee Lovell

*Student Member

Rogues Nite Out -- You Are Invited!

The Rocky Mountain Chapter of the ASPRS (www.asprs-rmr.org) will be hosting the September 16th meeting of the Denver Rogues Nite Out, a social event for geospatial professionals. A special invitation is extended to students in geosciences from the Auraria Campus (UCD and Metro) and Denver University: join us at the Wynkoop Brewery (Lat 39.75366; Lon -104.99844) Brown Room on the 2nd Floor, far NW corner. Just before Rogues Nite Out, at 5:30 pm, in room 230 of the Science Building on Auraria Campus, **Brian Soliday** will talk about ASPRS membership opportunities.

Try to wear a LOGO shirt (any company logo, not yours!) just for the fun of it!

Date: **September 16**, 2003 (Tuesday)

Place: Wynkoop Brewery (Lat 39.75366; Lon -104.99844)

Brown Room on 2nd Floor, far NW corner

Time: 6:30 PM – 9:00 PM

Snacks: Self-serve Stations

Misc: Pool Tables, Door Prizes, Good Beer, Great Insider Info!

Please RSVP to **Ken Turnbull**,
ken@kenturnbull.com

Abstracts Due Sept. 19 for 2004 Annual Meeting

Sept. 19th is the due date for submitting abstracts for the Annual Meeting here in Denver next May. The link for online submittal is
https://www.asprs.org/denver04abstracts/1_enter.jsp



GIS in the Rockies

Plaza at the Mart, Denver, Colorado

October 1-3, 2003

"Geospatial Integration Today for Tomorrow"

Wednesday, October 1st - Conference and Exhibition

Luncheon speaker: Peter Batty, Chief Technology Officer, Ten Sails

Exhibit Hours 10:00 am - 7:00 pm

Concurrent Technical Sessions 8:30 am - 5:00 pm

Vendor Showcase ♦ Introduction to GIS ♦ Imagery and Remote Sensing ♦ GPS and Field Data
Engineering and Infrastructure ♦ Resource Management

Workshops*

Poster Session and Contest

Evening Social 5:00 - 7:00 pm

Join your colleagues in the exhibit area for food, door prizes, networking, and demonstrations from the top vendors in GIS and GIS-related technologies

Thursday, October 2nd - Conference and Exhibition

Luncheon speaker: John Hansen, Chief Technology Officer, State of Colorado

Exhibit Hours 8:00 am - 3:00 pm

Concurrent Technical Sessions 8:30 am - 5:00 pm

Vendor Showcase ♦ Education and Career Development ♦ Emerging Technologies ♦ Software and Integration
Public Policy and Administration ♦ Technologies for Homeland Defense

Workshops*

Poster Session

* The following workshops will be offered on Wednesday and/or Thursday, to be determined:
GPS Data Collection Ready for ESRI Software ♦ Real Time GPS Monitoring
Integrating Data with the National Hydrography Dataset

Fri., Oct. 3rd - Workshops, Technical Tours, Golf Outing

Turning Imagery into Information ♦ Programming with Arc Objects

Geodesy: A Turnkey Introduction to GIS and Remote Sensing Course for K-12 Teachers

USGS Mapping Center, Jeppesen, Digital Globe and BP Center for Visualization

18 hole, 4 man scramble with GPS at Buffalo Run Golf Course

Sponsors ACSM, ASPRS, GITA, PLSC, URISA, GIS Colorado

Wheelchair accessible

Register online or download the form (pdf format) from the web site



<http://GISintheRockies.org>



ASPRS - Rocky Mountain Region: 2003 Officers

This contact information is provided to make it easy for you to get involved

President	Scott Bennett ImageLinks, Inc. 1746 Cole Blvd, Suite 225 Golden CO 80401	Work: 303-215-1700 Fax: 303-278-0092 sbennett@imagelinks.com
Vice President	Brian Soliday Earth Search Sciences Inc. Erie CO	Work: 303-250-5537 Fax: 303-485-0100 thesol@mesanetworks.net
Secretary	Andrew Shepherd Intermap Technologies, Inc. 400 Inverness Drive S., Suite 100 Englewood CO 80112-5847	Work: 303-708-0955 Fax: 303-708-0952 ashepherd@intermaptechnologies.com
Treasurer	Position is open To volunteer, contact Scott Bennett, President	
National Director	Allen Cook Northrop Grumman Mission Systems 200 Union Blvd., Suite 100 Lakewood CO 80226	Work: 720-963-6941 Fax: 720-963-6950 allen.cook@ngc.com
Regional Director (GIS in the Rockies)	Mark Hess Director of Operations Rocky Mountain Region Ocean Imaging, Inc.	Work: 303-948-5272 Fax: 303-948-5272 mhess@oceani.com
Regional Director (GIS in the Rockies)	Jaymes Pardue VARGIS 19124 W. 60 th Lane. Golden CO 80403	Work: 303-384-1925 Fax: 303-384-1926 Cell: 303-475-4874 jpardue@vargis.com
Regional Director (Communications)	Richard A. Vincent, CP Spectrum Mapping LLC 1999 Broadway Suite 3200 Denver CO 80202	Work: 303-298-9847 Ext 306 Fax: 303-292-9279 rvincent@specmap.com
Regional Director (General)	Ken Turnbull PO Box 261872 Littleton CO 80163-1872	Work: 303-790-7070 Fax: 303-790-4864 Cell: 303-829-6916 ken@kenturnbull.com
Regional Director (At-Large)	Stella Todd Metropolitan State College of Denver Campus Box 22 PO Box 173362 Denver CO 80217-3362	Work: 303-556-3144 Fax: 303-556-4436 toddst@mscd.edu
Past President	John Parker BAE Systems 8400 East Prentice Ave., Ste 1500 Greenwood Village CO 80111	Work: 303-409-7755 Fax: 303-409-7748 john.parker6@baesystems.com
Communications Coordinator (not on Board of Directors)	Sheila Pelczarski Denver Water 1600 West 12th Avenue (MC 414) Denver CO 80204-3412	Work: 303-628-6511 Fax: 303-628-6852 sgp@denverwater.org



The Rocky Mountain Region received three awards from National at the Annual Awards Luncheon in Anchorage in May. **Scott Bennett**, RMR President, holds the Newsletter of the Year Award (2nd place); **Sheila Pelczarski**, RMR

Communications Coordinator, holds the first ever Website of the Year Award (1st place); and **Allen Cook**, RMR National Director, holds the Region of the Year Award (1st place).

ASPRS-RMR
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