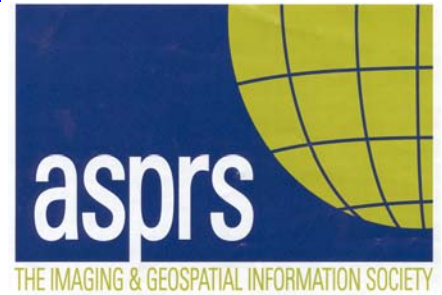


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# Wavelengths

## Columbia River Region



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

**Volume 2004:2 — June 2004**

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**“2004 off to a good start...”**  
**President’s Letter by Bob Harmon**

The year has gotten off to a busy start and I want to bring you up to date on what’s been happening in the region and remind you of the activities planned for the remainder of the year. Many of these events are covered in more detail in articles elsewhere in this newsletter. So, I’ll be brief.

GIS in Action 2004 was held in mid-May at the Double-Tree—Lloyd Center in Portland. I want to thank Chris Aldridge, Brian Miyake, Doug Smith, and Roger Crystal on behalf of the region for their hard work on this year’s conference. Chris provides a more detailed report on page 2 of this newsletter.

Later in May several members of the CRR attended the annual conference in Denver. VP Anne Hillyer and I attended the region officers meeting where I gave the CRR annual region report. The following day I accepted the First Honorable Mention for Region of the Year and Third Place Winner of the Region Newsletter of the Year awards on behalf of the Columbia River Region (see pages 4 and 5 of this newsletter for more information). Roger Crystal, in his last act as chair of the building fund, led the symbolic burning of the mortgage on the headquarters building in Bethesda, Maryland. Mike Renslow led a full-day workshop on “LIDAR & IFSAR for DEM generation” and he assumed the job of Technical Editor of the society’s journal *PE&RS* (see page 6 of this newsletter for more information). Congratulations Mike!

Overall, it was a very good conference. Attendance numbers were up from last year, a large number of vendors representing all aspects of the mapping sciences were present, and there were many, very interesting, topical tracks to choose from. The 70<sup>th</sup> anniversary of the society was also celebrated with cake and champagne for everyone in attendance! There’s a summary of the week’s activities at the ASPRS site: <http://www.asprs.org/asprs/news/2004-06-record-attendance-annual-conference.html>

The 2008 (spring) national conference was officially awarded to the Columbia River Region at the Denver conference! Roger, the ‘08 conference chair, has more information in his article on page 3 of this newsletter).

The PSU student chapter hosted the June board meeting. Not only did they host the meeting, but they gave us a tour of their facilities and a report on their many activities over the last year (their first year as a chapter)! Many thanks to student advisor Mike Emch, Chapter President Celia Cornett, and Chapter Vice-President Jan Dougall.

The Oregon Joint Task Force on Survey, GIS, Photogrammetry and Cartography will be meeting as this issue “goes to press.” They will be discussing the new photogrammetry test and developing an implementation plan and timeline. Doug Smith will have more information in the next issue.

The region is scheduling its third annual national workshop: *Preparing for ASPRS Photogrammetric Technologist Certification*. See page 8 of this newsletter for information and a registration form.

Anne has scheduled the annual Technical Exchange, held jointly with the Puget Sound Region, for October 7<sup>th</sup>, at the [Vancouver Water Resources Education Center](#). There will be more information on it in the next newsletter.

Finally, I can’t finish without reminding you that we organize these events with you in mind. Let us know what you want to see out of the Columbia River Region and ASPRS, and we’ll do our best to meet your needs. Get involved too! Have a happy and relaxing summer.

## **GIS In Action 2004** **By Chris Aldridge**

I had the pleasure of being the Program Chair for the twelfth annual GIS in Action conference. This is the annual marquee event for the Columbia River Region and the Oregon and SW Washington Chapter of URISA. Each year the two organizations alternate the responsibilities of Program Chair and Conference Chair with committees comprised of members of both organizations. This spirit of cooperation has seen the two organizations through twelve good years of conferences.

As always, the first day was filled with eight informative and educational workshops, which covered a variety of GIS and mapping topics. The formal conference opened with a keynote address by ASPRS's own Ralph Kiefer, Professor Emeritus from the University of Wisconsin-Madison. Ralph's presentation of "50 Years of Remote Sensing and GIS: a look backward and a glimpse ahead" was enjoyed by all that attended. The educational sessions were presented in two concurrent tracks of Technology and Process and Interactive Sessions. The Interactive Sessions continued a method of presentation designed to elicit audience participation. The Technology and Process Sessions followed a more traditional educational format. All of the sessions were well attended, and preliminary reviews from attendees indicated that all were very well received.

The conference was accented by an enjoyable second day lunch presentation by Ken Karsmizki, Executive Director of the Columbia Gorge Discovery Center and Museum, entitled "Rock Camp: A Lewis and Clark Camp in an Urban Environment Lewis and Clark's Rock Fort Camp and NASA Imagery."

Despite a very late start to the conference planning, this year's program was another tremendous success. Attendance numbered 328 over the three days of workshops and educational sessions. The attendees this year were a different crowd from the years of the past. A greater number of students and technical-level individuals were present, which gave the conference a slightly different look and feel. Despite a lower attendance and a smaller Vendor turnout than past years, the conference still managed to generate a small amount of revenue for the two organizations to help maintain their educational programs.

I would like to close by thanking all of those individuals who worked hard under a short deadline, to bring together another successful conference. A Special thank you goes to the volunteers, especially the PSU Chapter members, who turned out in force to volunteer their time and effort to work the tables, A/V equipment, and generally thankless jobs that make a conference a success. We couldn't do it without you.

Planning for GIA 2005 will begin this summer. I urge you all to consider getting involved in the execution of this important society event. There will be more announcements to the membership as the summer progresses.

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## **Annual Technical Exchange** **By Anne Hillyer**

The annual Technical Exchange with the Puget Sound Region ASPRS will be held on October 7 this year at the Vancouver Water Resources Education building. This is the same location where it was held last year. It will be an opportunity to present and discuss current work from both regions. One proposed topic of discussion is using the ASPRS chapters to create a clearinghouse for spatial imagery. Our next Newsletter (September 2004) will contain additional information about the Annual Technical Exchange.

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## **National Director's Report** **By Tom Pagh, C.P.**

The following is a synopsis of the National Board of Directors' meeting held in Denver, CO on May 27, 2004.

1. Our society continues to be on sound financial footing, and is approaching \$750,000 in reserve funds. During the Denver conference the mortgage to the headquarters "suite" was burned.
2. To keep alive the generous giving of our corporate and individual members, it was decided to continue the matching of donations. However, future contributions will be placed into the ASPRS Foundation to support, and in some cases fully endow, the ASPRS scholarship awards. A limit of \$30,000 in matching funds was set.
3. Each region that has had its own matching building fund program is encouraged to continue their matching program towards building up the ASPRS Foundation.
4. The ASPRS web page will be undergoing a major face-lift in the very near future (month or so). New "pull-downs" will make navigating the site easier and less confusing.
5. A letter was sent to the White House endorsing the continuation of funding for the Landsat Program.

*(Continued on next page.)*

(Continued from previous page.)

6. The Manual of Photogrammetry, 5th Edition (all 1,100 pages) will be ready for shipping in July. Price: \$94.00. If you are interested in purchasing a copy, please contact our National office.

7. Upcoming ASPRS conference schedule:

- Fall 2004 - Kansas City (Sept. 12 - 16)
- 2005 Annual - Baltimore (March 7 - 11)
- Fall 2005 Pecora - Sioux Falls (October 23 – 27).
- 2006 Annual - Reno (April 30 – May 4)
- Fall 2006 – TBA
- 2007 Annual - Tampa (in progress)
- Fall 2007 - Puerto Rico (Florida Region)
- 2008 Annual – Portland!

8. Due to the short timeline between Denver and Kansas City, there will be no summer Excom. Also, regions are to be aware that officers have to be elected 40 days prior to the March 7, 2005 board meeting (by January 27, 2005).

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### **Report from Portland State University Student Chapter By Celia Cornett, President PSU ASPRS**

Portland State University completed a successful Colloquium series this last year. One of our mission goals is to host a technology exchange between academia and industry with the Colloquium Series. The series served the Geography, Civil Engineering, Geology, Biology, Environmental Resources, Urban Planning and Centers for Population research departments at PSU in the past two years. Additionally, outside attendance came from BLM, USGS, BPA, ODOT, USF&W, and USFS.

We are still interested in internships from local firms. In addition, if anyone has research they would like to present at this year's 2004-2005 Colloquium series please have them contact me. We have a number of speakers lined up, but are seeking others to complete the series. Of particular interest this year is the development of data models for research, application development for specific field use, hydrology, and bathymetry. The speaker series will run every other Friday from 3 to 4 pm Fall through Spring term. The fall Colloquium schedule will be posted in the September newsletter.

We have a new web site that is still under construction. The link for it is <http://geog.pdx.edu/asprs>.

### **Portland is Selected For The ASPRS Annual Meeting in 2008 By Roger Crystal ASPRS 2008 Convention Director**

The ASPRS Board of Directors approved Portland as the site for the 2008 annual convention during the annual meeting in Denver, Colorado. As many of you remember, Portland hosted the ASPRS annual convention in the spring of 1999 and it was an overwhelming success. The planned dates for the 2008 annual meeting are April 25 through May 2. The convention hotel will be the Double Tree, Lloyd Center and the exhibits and technical sessions will be at the Oregon Convention Center. We currently have a "hold" on all the properties and intend to sign the contracts this summer. A meeting of this magnitude cannot be successful without the help of volunteers. The first order of business will be the appointment of the planning committee. Listed below are the planning committee positions that need to be filled:

- Workshop Coordinator
- Conference Financial Coordinator
- Technical Program Coordinator
- Student Volunteer Coordinator
- Corporate/Agency Sponsorship Coordinator
- Technical Tours Coordinator
- Classified Session Coordinator
- User Group Coordinator
- Keynote and Plenary Session Coordinator  
Social Events Coordinator

Each coordinator will be required to have a staff of volunteers to help them with their assigned committee's function. You can expect the level of involvement to increase dramatically the closer we get to the convention dates. Being a volunteer coordinator is a challenge and a great experience, so if you are interested, please contact me. I can be reached at [roger.crystal@titan.com](mailto:roger.crystal@titan.com) or 503-703-8794.

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### **Editor's Note**

It has been a struggle to keep our e-mail list current. Four times a year, I download ASPRS's membership spreadsheets. They are up-to-date only if members notify ASPRS when their e-mail addresses change.

**So . . . If your e-mail address changes, and you wish to continue to receive this newsletter, please send your e-mail address change to: [rwkiefer@aol.com](mailto:rwkiefer@aol.com)**

Many thanks!

Ralph W. Kiefer, Editor

## ***Region of the Year Award***

2004 Recipients

First Place: **The Rocky Mountain Region**  
First Honorable Mention: **The Columbia River Region**  
Second Honorable Mention: **The Central Region**

The **Rocky Mountain Region** is the winner for the third year in a row. The competition for the Region of the Year was once again very tough! The Region was also the Region of Month winner for September 2003. Their constant endeavor to outdo themselves not only enhances their importance to their members but to the Society as well. The Rocky Mountain Region received this award for outstanding accomplishments in all areas of region activities, some of which include a terrific region newsletter, holding the largest Fall GIS and Remote Sensing Conference in the Western US, and many other technical meetings, tours, expanding local chapters, awarding scholarships. The Region has also supported The ASPRS Headquarters by setting up the matching Building Fund contributions, and establishing the 2004 National Conference Planning Committee. The Rocky Mountain Region not only competed royally, the presentation of their annual report was one of the best ever received at headquarters.

The **Columbia River Region** has been selected for First Honorable Mention for their superior accomplishments in region activities, including an excellent newsletter, extensive technical meetings such as hosting an International meeting of the ISPRS for "Three Dimensional Mapping from InSAR and Lidar," and other technical meetings. The Region has played the important role of hosting national-level workshops for the second year in a row, including one on preparing for the Professional Certification Exams. Columbia River Region was also the "Region of the Month" winner for June and December 2003.

The **Central Region** has been awarded Second Honorable Mention. The Region deserves this Award for their achievements, including a vigorous membership campaign and hosting numerous technical meetings that have drawn many new student members. With this effort the Central Region has exceeded the Student Membership goal by 17%. Among its many activities, The Region has provided scholarships, opened an ASPRS Library/reading room, published six informative and colorful newsletters, and produced an up-to-date website.

**Purpose:** The Region of the Year Award was established in 1968 to recognize excellence at the regional level in providing service to the members and to the profession at large.

**Donor:** ASPRS

The Region of the Year Award includes a hand engrossed certificate and possession of the Region of the Year banner for one year for the winner and certificates for first and second honorable mention.

(ASPRS Press Release)

## ***Region Newsletter of the Year Award***

2004 Recipients

First Place:           ***The Rocky Mountain Compiler***  
Second Place:       ***The Central Region Newsletter***  
Third Place:         ***Wavelengths (the Columbia River Region)***

***The Rocky Mountain Compiler***, first place winner of the Region Newsletter of the Year award, is a very informative, easy to read, colorful, eight-page publication. This publication contains many important concerns of the region as well as for ASPRS National, such as meetings, calendar events, membership, Certification programs, and Scholarships. They do an excellent job of keeping their members abreast of all events.

***The Central Region Newsletter*** is a beautiful and colorful bulletin (published six times in 2003) and contains important news on student chapters, regional technical presentations, panel discussions on such important topics as Licensing and Certification, and information on the ASPRS Membership drive.

***Wavelengths***, the Columbia River Region newsletter is the third place winner. This informative newsletter covers National and Regional news and reports on important issues such as the ASPRS workshop on Preparing for Certification, and provides information on Remote Sensing Update. Spotighting Student Chapters and new members all add up to a publication that reflects the Region's dedication to its members.

**Purpose:** The Society first bestowed this award in 1980 to recognize excellence of the Region in providing service to the members and to the profession at large through publication of a newsletter.

**Donor:** ASPRS

*The Newsletter of the Year Award includes a hand engrossed certificate.*

(ASPRS Press Release)

## Mike Renslow Named New PE&RS Technical Editor

Michael S. Renslow has been selected to serve as the new Technical Editor for Photogrammetric Engineering & Remote Sensing (PE&RS), effective March 1, 2004. PE&RS is the official journal of the American Society for Photogrammetry and Remote Sensing (ASPRS). Renslow was selected by a Review Committee that included James Merchant, PE&RS editor; Carolyn Merry, chair, ASPRS Publications Committee; James Case, retiring PE&RS technical editor; and Kimberly Tilley, ASPRS assistant executive director/communications director.



Renslow succeeds Case who has served as PE&RS Technical Editor for more than 30 years. Renslow, an ASPRS past president (1999-2000), has served ASPRS in many capacities over his 33 years as a member of the Society. Currently he serves as ASPRS Treasurer; Chair, Evaluation for Certification Committee; Co-Editor for "Lidar Best Practices and Guidelines;" and, an ASPRS workshop instructor.

"Mike brings a strong, well-rounded background in remote sensing, photogrammetry and GIS to the position of PE&RS Technical Editor," said ASPRS President Don Lauer. "It will be a challenge to follow on the heels of Jim Case, who has done an excellent job as PE&RS Technical Editor for so many years, but Mike is well known in the industry and I am confident that he will do a superb job."

It was Renslow's comprehensive experience in the field of geospatial information and technology that secured his place as the top candidate for PE&RS technical editorship. His career began in site development as a facilities surveyor for the Department of Defense – US Air Force and later as a teaching assistant, Geography Department, San Francisco State University. Following a BS in Geography from San Francisco State University in 1971, Renslow became a surveyor, cartographer, photogrammetrist, and project leader for the US Forest Service where he worked for 11 years. From there he moved on to become general manager of Pacific Aerial Surveys/vice president of Hammon, Jensen & Wallen, Inc. in Oakland, California from 1983 to 1989. While there he was responsible for contract implementation, proposals, daily operations, two flight crews; conducted and published research on modern-generation aerial films for Kodak and Agfa products; performed research for the USGS on aerial film(s) resolution; corporate responsibility for parent firm; managed a remote sensing field crew for the Oakanagon NF Vegetation Classification Project.

In 1989, Renslow became marketing manager for WAC Corporation where his primary responsibility was to run Digital Geographic Systems (owned by WAC) to scan and write digital imagery to CD. In 1996, after running his own company, Renslow ImageMapping, Renslow joined Spencer B. Gross as vice president and became responsible for market development, strategic business relationships, and research & development. He also served as senior technical advisor for Applications of Advanced Technologies; provided GIS support operations; and, using MapObjects, co-authored "SBG View" a stand-alone viewer for geo-referenced imagery and ESRI shapefiles.

In recent years Renslow has been very active in research and development for applications of lidar mapping technology and has an established reputation for expertise in this field. He has also participated in lidar research projects with Oregon State University, the University of Oregon, and the University of Washington. He has published several papers on the subject and has presented numerous workshops and technical sessions at local and national conferences throughout the country.

(ASPRS Press Release)



# ASPRS Announces Certification of the First Photogrammetric Technologist

Keith Woodruff is the first Photogrammetric Technologist to complete the requirements for certification under the new American Society for Photogrammetry and Remote Sensing (ASPRS) certification program for technologists. Woodruff is a compiler and editor for Robinson Aerial Surveys, Inc., a mapping firm of 18 people in Hackettstown, New Jersey. He began with the firm in 2000, training in all aspects of technical mapping support while attending the local community college taking coursework in business administration. His current position is Photogrammetric CAD Specialist. All of his references indicate that Woodruff is intelligent, dedicated to his work, and has special expertise in digital orthophotography. He also openly shares his knowledge and works with co-workers and clients towards first-quality mapping.

In October, 2003, ASPRS announced final approval of the new ASPRS certification program for technologists -- specifically geared to drafting technicians, inspectors, photographers, laboratory technicians, stereoscopic instrument or plotter operators, computations technicians, field survey assistants, interpretation technicians, image analysts, data processors, and digitizers. This certification was instituted to give those working at the technologist level an opportunity to be recognized by ASPRS for their respective contributions.

The technologist level is defined as work that is primarily of a technical nature, often demanding a high degree of skill, done under the direction of a professional who is responsible for its outcome. Such work is pre-professional when performed by a professional trainee who, having completed courses of specialized intellectual instruction and study, is seeking to attain professional status.

The following categories of ASPRS technologist certification are now being offered:

## Certified Photogrammetric Technologist (ASPRS)

A technician who performs or supervises technical photogrammetric tasks to extract spatial data from photographic or digital imagery.

## Certified Remote Sensing Technologist (ASPRS)

A technician who performs or supervises tasks to interpret, manipulate, extract, process and convert remotely sensed data from photographic or digital imagery.

## Certified GIS/LIS Technologist (ASPRS)

A technician who integrates a variety of spatial data sets into a GIS format designed for graphic output or analysis.

For more information on the ASPRS certification program, contact [certification@asprs.org](mailto:certification@asprs.org) or visit the ASPRS web site:

Certification, general information:  
<http://www.asprs.org/asprs/membership/certification/index.html>

Certification Guidelines:  
[http://www.asprs.org/asprs/membership/certification/certification\\_guidelines.html](http://www.asprs.org/asprs/membership/certification/certification_guidelines.html)

Application for Certified Technologist:  
[http://www.asprs.org/asprs/membership/certification/Technologist\\_Application.pdf](http://www.asprs.org/asprs/membership/certification/Technologist_Application.pdf)

(ASPRS Press Release, June 2004)



# THE IMAGING & GEOSPATIAL INFORMATION SOCIETY

COLUMBIA RIVER REGION

## PREPARING FOR ASPRS PHOTOGRAMMETRIC TECHNOLOGIST CERTIFICATION WORKSHOP

### Notice & Pre-registration form

For the third year in a row the Columbia River Region of ASPRS is excited to bring you a national workshop usually only available at the annual ASPRS conferences. The workshop is scheduled for **Wednesday, July 28<sup>th</sup>**, at the Vancouver Water Resources Education Center (Vancouver, WA) from 10 a.m. to 3 p.m. We are offering a discount for ASPRS members, too!

The purpose of this workshop is to prepare individuals who are planning to sit for the ASPRS **Photogrammetric Technologist** Certification exam. The workshop will explain the purpose and form of the exam. It will identify key topical areas that an applicant should be aware of prior to taking the exam. The instructor will review the basic concepts and sample questions to show how these topics will be tested for on the exam. Finally, the workshop will identify resources that exam takers should be aware of and study from in their preparation for the examination.

Instructor:: Doug Fuller, Certified Photogrammetrist  
Certified Mapping Scientist - GIS/LIS,  
AERO-METRIC, INC.

**Cost:** \$150.00 for ASPRS members (*join now to get the discount!*); \$250.00 for non-members; \$20.00 additional for 0.4 CEUs (optional); **lunch included** with the fee

**Registration closes on July 14<sup>th</sup> and space is limited to 40 people!** Fill out the form below and email it to [akhillyer@bpa.gov](mailto:akhillyer@bpa.gov) or print it and FAX it to 360-619-6995 (Attention: Anne Hillyer)

This form is also available online at: <http://www.asprs.org/columbiariver/>

NAME:	
COMPANY/AGENCY:	
ADDRESS:	
CITY:	STATE:
PHONE:	FAX:
EMAIL:	
ASPRS MEMBER? (check one): <input type="checkbox"/> yes <input type="checkbox"/> no	



## 2004 ASPRS Fellow Award Winners

### (ASPRS Press Release)

ASPRS presented the 2004 Fellow Awards at their recent Annual Conference in Denver, Colorado. The winners are Amelia Marie Budge, Clive Fraser, Paul F. Hopkins (1955-2003), and Elias Johnson. 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 were given at the ASPRS 2004 Annual Conference in Denver, Colorado in May.

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 nominee 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.

### **AMELIA MARIE BUDGE**

Ms Amelia (Amy) Budge graduated from the University of New Mexico (UNM) Department of Geography in 1975 with a BA degree, taking a position as a customer service representative at UNM's Earth Data Analysis Center (EDAC), Photo Dissemination Program. As manager of the Program grew it from a modest self-supporting function into an internationally recognized active archive for Gemini, Apollo, Skylab, Apollo-Soyuz, Space Shuttle (STS), and historical aerial photography. As Manager of EDAC's Clearinghouse Services during the 1980s and 1990s she inaugurated strategic and tactical improvements in the scope of activities and range of services that have become standard practices in several federal, state, and privately operated active archives for imagery and maps

For 27 years Budge has been involved in many of EDAC's geospatial projects and is currently serving as Deputy Director of EDAC, managing major NASA, DOT, and FGDC projects. She is team leader for EDAC's NASA *Earth Science Information Partner (ESIP)* project and is coordinating development of an Internet accessible, data delivery system that is interoperable with other NASA ESIPs, and that provides information and data from a broad spectrum of satellite sensors and platforms to local and regional resource managers. She has been an active participant on the ESIP Federation Interoperability, Outreach, and Metrics Committees. She is also the project coordinator for EDAC's National Consortium for Remote Sensing in Transportation for Security, Safety, Hazards, and Disaster Assessment, funded by U.S. DOT. Mrs. Budge has served as Principal Investigator and project manager on six projects funded by the Federal Geographic Data Committee (FGDC) to develop metadata for GIS data, establish an Internet clearinghouse node, conduct metadata training workshops, and inaugurate a web mapping service capability compliant with the Open GIS Consortium's web mapping specifications.

She was appointed by the Secretary of the Department of Interior to serve on an the *National Satellite Land Remote Sensing Data Archive (NSLRSDA)* Committee, which advises the Secretary on issues related to long-term archiving of Earth-oriented satellite data. Budge is one of the founding members and past President of the New Mexico Geographic Information Council (NMGIC), she currently serves as Vice-President and a Board member. She also represents the State of New Mexico on the National States Geographic Information Council (NSGIC). Ms. Budge is experienced in organizing and conducting workshops, seminars, and meetings, and has participated in organizing several national and regional conferences.

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Budge's activities in the American Society for Photogrammetry and Remote Sensing include: (1) member of GISD; (2) past Director of GISD (1997-1999); (3) appointed Chair, Data Preservation and Archive Committee (1994-present), (4) Deputy Chair, ASPRS/ACSM Fall Conference and Exhibition, Albuquerque, 1992; (5) Co-Editor on *Earth Observing Platforms and Sensors*, Manual of Remote Sensing, 3<sup>rd</sup> Edition; (6) Delegate to the University Consortium for Geographic Information Science (UCGIS) during 1999 and 2000; (7) Technical Secretary, ISPRS Commission-I (2000-2004); and (7) Member of the Technical Program Committee, ASPRS Pecora-15/ISPRS Commission-I Conference, Denver, CO, 2002.

### **CLIVE FRASER (ASPRS Fellow)**

Professor Clive Fraser is currently a Professor in the Dept. of Geomatics at The University of Melbourne. Fraser received his Bachelors in Applied Science (photogrammetry & surveying) from Curtin University, Perth, and his Masters in Surveying Science, University of South Whales, both in Australia. He received his PhD in photogrammetry from the University of Washington in the US. Clive's particular areas of interest are in digital photogrammetric mapping, industrial photogrammetric measurement systems and the exploitation of high-resolution satellite imagery for geospatial information generation. On the industry side, he is involved with the development of innovative image-based spatial IT products and he served in a part-time capacity from 1998 –2001 as Technical Director of Geomatic Technologies Pty Ltd, a spatial information company based in Melbourne. Prior to his current appointments, Fraser served as Reader and Head of the Department of Geomatics from 1993 to mid 1998, and prior to joining the University of Melbourne he was for 10 years Vice President of Geodetic Services, Inc. in Florida, the World's leading company in industrial photogrammetric systems and services.

Fraser is a Fellow of the Australian Academy of Technological Sciences and Engineering and in recognition of his academic and professional work he has earned numerous international awards including the President's Medal and the President's Prize from the Photogrammetric Society of the UK. He is a Fellow of both The Photogrammetric Society and the Institution of Engineers Australia. Clive has a number of active international research and industry collaborations, and he serves as a consultant to industry in Australia, Japan, the US and Europe. He also serves on the Editorial Boards of four of the leading international journals dealing with photogrammetry and remote sensing and he has authored more than 200 publications.

Dr. Fraser was first Certified as a Photogrammetrist in 1986. He joined ASPRS as a PhD student in Seattle in 1977. In the same year he was awarded The Wild Heerbrugg Award by the Society, and in the following year he won the Bausch and Lomb Photogrammetric Award. This started a long and productive association with ASPRS. His contributions to the Society being most significantly related to its publications and research support activities. Most notably, he served as the Associate Editor of *Photogrammetric Engineering & Remote Sensing (PE&RS)* from 1987 to 1992, he authored one of the chapters in the ASPRS Manual of Non-Topographic Photogrammetry in 1989, and he is currently involved in writing two of the chapters for the forthcoming edition of ASPRS' *Manual of Photogrammetry*. Moreover, he has been an active reviewer for both *PE&RS* and selected ASPRS publications for more than 20 years. He has also served on selection committees for different ASPRS awards & has been active in technical program selection for ASPRS Technical Meetings, especially in regard to close-range photogrammetry. He has also received the Fairchild Photogrammetric Award, the Talbert Abrams Award (Grand Prize twice and Honorary Mention once), the Davidson President's Award for Practical Papers (three times: first, second and third place.) Since his first publication in *PE&RS* in 1980, Fraser has published a total of 20 scientific papers in the journal and continues to contribute papers every year. In addition to these publications, he has presented papers at 16 ASPRS Annual and Fall Meetings since his first attendance at such a meeting in 1978.

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**PAUL F. HOPKINS (1955-2003)**  
**(ASPRS Fellow)**

Dr. Paul F. Hopkins was a tenured professor at the School of Environmental Resources and Forest Engineering at the State University of New York College of Environmental Science and Forestry (SUNY ESF) and Director of ESF's Council for Geospatial Modeling and Analysis. Dr. Hopkins received his BS in Forestry from the University of Maine with Distinction in 1977, his MS in Environmental and Resource Engineering in photogrammetry and remote sensing in 1980, and his PhD in 1992 from the University of Wisconsin-Madison in digital photogrammetry and remote sensing.

Hopkins had a passion for teaching and he derived great pleasure in communicating the benefits of the mapping sciences to anyone who would listen. He was willing to teach everything from elementary surveying and map interpretation to advanced remote sensing and GIS. His research and consulting focused on the application of airborne and satellite imagery to forest management issues with a keen interest in geometric and radiometric integrity of remotely sensed data. He sought and received support for multiple sources including the U.S. Forest Service, National Science Foundation, NASA, NOAA, and many state and county agencies. He had close to 50 publications and presentations to his credit.

Hopkins was a hard working and energetic member and participant both nationally and locally in ASPRS since 1977 and was a Certified Photogrammetrist. His service included Chairmanship of the ASPRS Strategic Planning and Membership Committees and as a core and charter member of the Electronic Communications Committee. He was the National Director of the Central New York (CNY) Region, from 1987-93 and served on the Executive Committee from 1989-93. Hopkins was Vice President, and twice President of the CNY Region as well as a long time member of the Region Council. He helped establish and direct the New York State GIS Conference co-sponsored by ASPRS and the CNY Region. He was instrumental in establishing the William Johnson Memorial Fund after Bill's untimely passing. Hopkins received the ASPRS Meritorious Service Award in 1990 and 1993, the Ford Bartlett Award in 1992, was the first recipient of the Altenhofen Memorial Scholarship, and the winner of the First Place Student Award from the Western Great Lakes Region.

Hopkins was also a member of the ACSM, the Society of American Foresters, and the American Society for Engineering Education. He lived to the fullest intertwining all his time, talents, and devotions.

*(Continued on the next page)*

## **ELIAS JOHNSON (ASPRS Fellow)**

Dr. Elias Johnson is completing a distinguished career of contributions to remote sensing and photogrammetry education, and is teaching his final semester as Professor of Geography, Department of Geography, Geology, and Planning at the Southwest Missouri State University (SMSU.) He received his Ph.D. in Geography from the University of Oklahoma in 1977 after earning Bachelor's and Master's degrees from Northern Illinois University. In addition to serving on the faculty at SMSU, he served as an Assistant Professor at St. Cloud State University in Minnesota.

Johnson has taught photogrammetry, remote sensing, aerial photography interpretation, cartography, and thematic mapping courses at both the graduate and undergraduate levels since 1977 at SMSU. He received numerous honoraria, research grants, and sabbatical leaves all related to his continued interest in the varied disciplines of geography and cartography. Johnson's research interests included land cover analysis using image processing and GIS, as well as advanced photogrammetric and remote sensing procedures for regional mapping. He has steadily published throughout his career including SMSU "in-house" as well as domestic and international publications. He participated in the ASPRS 2001 Gateway to the New Millennium Conference. He remains active in research as evidenced by his co-authored publication in the *Journal of Arid Environments* (accepted 2 April 2003). He has also co-authored a presentation at the American Geophysical Union Convention (December, 2003) and co-authored a chapter, Climate of North America, in the *Encyclopedia of Climatology* since his retirement. Elias was a primary developer of SMSU's Institute of Resource Planning and Management and served as a consultant to the City of Springfield on aerial photography interpretation issues.

Professor Johnson played a principal role in developing and modernizing the Cartography and Map Technology program at SMSU. He worked closely with U. S. Geological Survey and National Imagery and Mapping Agency personnel to design and modify the curriculum. He developed a cartography minor for the university in 1984. He works continuously with companies and individuals in the GIS industry to ensure his students are involved with state-of-the-art techniques, processes, materials, and equipment.

For more than 30 years, Johnson provided support and assistance to ASPRS and the State of Missouri in advancing applications of the mapping sciences. He won ASPRS' Ford Bartlett Membership Award five times. He served on the society's Student Activities Committee for three consecutive years. Professor Johnson was also instrumental in establishing the SMSU Student Chapter, Central Region of ASPRS in 1986 and served as faculty advisor for many years. He also served as the faculty sponsor of the campus Environmental Education Committee and Gamma Theta Upsilon (GTU -- an international honor society in geography) for three years each -- both of which use advanced geospatial information technology. In 1989, the Rolla Region (now the Central Region) honored Johnson with the Outstanding Member Award. In addition to ASPRS, Johnson is a member of GTU, Association of American Geographers, The Remote Sensing Society, Missouri Academy of Science, and the Missouri Geographic Society.

## CALENDAR: 2004

Contributed by Jackie Olson

This is a selected group of events; for more listings and other organizations check the links at:

<http://www.asprs.org/columbiariver/calendar.html>

### Special Notice: Deadline to Register July 14, 2004!

**July 28, 2004:** ASPRS Photogrammetric Technologist Certification ~ Test Preparation Workshop. The workshop will present sample test questions and answer other questions about the certification program. Full details and preregistration form at:

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

### July 9, 2004:

Talk: Trying to Predict Earthquakes in the Western United States. Presented by Dr. Evelyn Roeloffs, U.S. Geological Survey; Friday Night Meeting, 8:00 pm Room 371, Cramer Hall, Portland State University

<http://www.gsoc.org/frisched.html>

### July 18-20, 2004:

3rd Annual Public Participation GIS Conference, PPGIS The use of GIS as a participatory tool raises critical technical, social, and theoretical issues that interest both practitioners and researchers who are concerned with the social consequences of its use. University of Wisconsin-Madison, Madison, WI

<http://www.urisa.org/ppgis.htm>

### July 17-21, 2004:

MAPPS Annual Meeting  
Big Sky Resort  
Big Sky, Montana

<http://www.mapps.org/events.asp>

### July 25-29, 2004:

GML And Geo-Spatial Web Services Conference 2004. Vancouver, British Columbia. Geography Markup Language (GML) became the native mechanism for all geographic data description and transport. The OpenGIS Consortium (OGC), which is comprised of business organizations, government agencies and universities, is an international industry consortium working together to provide improved access to geographic information. The GML Days Conference 2004 proposes to provide a broad public forum for developers to discuss GML, to learn from one another and to foster the development of the Geo-Web.

<http://www.gmldev.org/index.html>

### August 9-13, 2004:

24th Annual ESRI International User Conference  
San Diego Convention Center  
San Diego, CA

<http://www.esri.com>

### August 28-September 1, 2004:

GIS in Addressing, 6th Annual Conference: Street Smart & Address Savvy. A yearly forum for the exchange of current addressing information and emerging technology. Hyatt Regency, St. Louis, MO

<http://www.urisa.org/address.htm>

### September 8-11, 2004:

Association of Pacific Coast Geographers 2004 Annual Meeting California Polytechnic State University San Luis Obispo, CA

<http://cla.calpoly.edu/~jkeese/>

### Sep 12-16, 2004:

The Fall 2004 ASPRS Specialty Conference "Images to Decisions; Remote Sensing Foundations for GIS Applications" Integration of remote sensing image data into GIS and Decision Support Systems (DSS). The intended audience is the GIS practitioner who needs information about the extraction and use of data and products derived from airborne and satellite sensors. Hyatt Regency Crown Center, Kansas City, Missouri

<http://www.asprs.org/meetings.html>

### October 1 - 6, 2004:

ACSM/NSPS Fall Meeting  
Marriott Gaithersburg Washingtonian Center  
Gaithersburg, MD

<http://www.acsm.net/conference.html>

### October 3-4, 2004:

GITA Pacific NW 2004 Annual Conference  
Whistler, BC

<http://www.gita.org/chapters/pacific/pacific.html>

### October 6-8, 2004:

17th annual GIS in the Rockies Conference Plaza at the Mart, Denver, Colorado. Topical sessions, public policy, enterprise GIS; technical sessions, workshops, exhibitions, technical tours Sponsors are ACSM, ASPRS, GITA, PLSC and URISA and GIS Colorado.

<http://www.GISintheRockies.org>

### November 7-10, 2004:

URISA's 42nd Annual Conference  
Reno Hilton, Reno, NV

<http://www.urisa.org/mtg.htm>

The Calendar will be updated with each issue.

Please send contributions to: [jcolson@usgs.gov](mailto:jcolson@usgs.gov)

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