



## A Message from the President

It's that time of year again when many of us who are registered as professionals (e.g., architects, engineers, geologists, land surveyors, etc.) receive our annual or biannual renewal notices.

In recent years, registration laws in many states have been amended to require continuing education to maintain status as a

registered professional. Listening to some of my colleagues in the hallway, there always seems to be a fair amount of concern and consternation about how to meet these continuing education requirements each year.

States with continuing education requirements typically stipulate that licensees must acquire 30 Professional Development Hours (PDHs) for each 2-year renewal period. That can seem like a daunting requirement if you haven't attended any workshops, seminars, or conferences for 2 years and you've just received your renewal notice. I imagine conference and workshop attendance really picks up this time of year for those of you who find yourselves in this situation!

Did you know that one of the most painless ways of meeting these requirements is to be active in a professional society, such as SAME? An active membership in the SAME Omaha Post can easily provide you with at least two thirds of the PDHs you need to meet the biennial continuing education requirements for most states. For example, if you did nothing but attend our monthly general membership meetings, you could capture up to 7.5 PDHs each year. We typically hold 10 such meetings annually and hand out PDH certificates at the end of each meeting documenting the  $\frac{3}{4}$  PDH awarded for the meeting. You could also pick up another 4 to 6 PDHs at the Omaha Post's annual Industry Day, held each Fall. These activities alone would put you well on your way to meeting the 30-hour continuing education requirements. Throw in a Regional or National Conference every other year and you'll have more than enough PDHs to pass the test.

In addition to meeting attendance, some states, such as Kansas, credit you with 2 hours for each professional or technical society where you serve as an officer and/or



actively participate in a committee. As you can see, your active participation in SAME will directly benefit you in maintaining your professional registration. It's relatively inexpensive and, for those of you in Omaha, you can avoid the expense of traveling to attend an expensive out-of-town seminar or workshop.

I encourage you to actively participate in the Omaha Post and join us for our monthly luncheon meetings and other Post-sponsored events. In addition to the very tangible benefits of meeting your registration requirements, you get to interact with a great group of people who are dedicated to serving the Nation's needs. It's an excellent way to make new friends, strengthen relationships, and learn something about leadership and service.

I hope to see you at our next luncheon meeting!

Jeffrey Williamson  
President  
Omaha Post, SAME

## Are You Published?

Have you published an article in a trade journal or similar media within the past year? If so, we'd like to hear from you. Please send the journal name, article title, and published date to the newsletter editor at [mary.erwin@hdrinc.com](mailto:mary.erwin@hdrinc.com). This information will be used to obtain another streamer from National SAME at the end of the year, and articles will be listed in the next newsletter.

## UPCOMING EVENTS

### November 10, 2005

General Membership Meeting  
Scott Conference Center (6450 Pine Street)  
***Our Nation's Infrastructure and How the  
Engineering Community Can Help***  
*Lt. Gen. Robert Flowers, USA (Ret.)*

### November 14-17, 2005

Missouri River Regional Conference  
Kansas City, Missouri

### December 15, 2005

General Membership Meeting  
Omaha Field Club  
***Featured Speaker is Dan Sommers of USACE  
Protective Design Center***

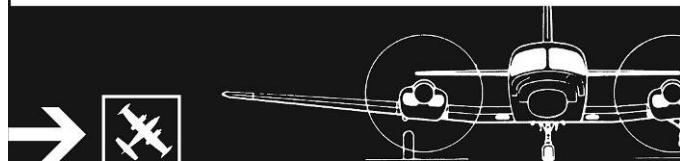
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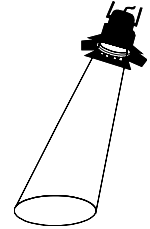
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**MEMBER SPOTLIGHT**

*PAULA B. WELLS*



**Position on the SAME Board?**

Third Vice President

**Duties of this position?**

Responsible for Industry Day

**What's your "day" job?**

- Consultant, Operations and Organizational Systems Analyst, Industrial Engineer
- Sole Proprietor: The Wells Resource
- Owner and President: Wells Project Services, Inc.
- Operations Manager, For HIS Glory Adoption Outreach-Haiti
- Adjunct Faculty: UNO

**Personal information you'd like to share?**

I am married to Jim Wells, Environmental Engineer, HDR Technical Director-Food Industry. Jim and I are parents of 17 children—nine daughters and eight sons, six still at home ages 5 to 18. Yes, they are all ours...no, I did not give birth to 17 children—the 14 youngest are adopted, but we never notice the difference!

I am a University of Nebraska-Lincoln graduate with a B.S. in Civil Engineering, M.S. in Structural Engineering, and PhD in Industrial Engineering and Management Systems.

**How did you become involved with SAME?**

When I owned Wells Engineers, the firm had contracts with the Corps and I joined SAME because I knew many other engineers who belonged and I enjoyed the fellowship. After I sold my engineering firm, I did not keep my membership current in SAME, until I realized that I missed seeing my fellow engineers and wanted to keep in touch with people I enjoyed working with. So about 3 years ago, I became an active member again.

The fact that I had a son in Iraq for a year served to increase my loyalty toward our military personnel and the work done by civilians to support them.

**What has been personally fulfilling/beneficial from your work with SAME?**

Renewing old friendships, having a chance to help strengthen an organization that I believe has an excellent focus, and being able to learn about what DoD engineers are doing. I particularly enjoy increasing my knowledge of what the Corps and the Air Force are doing in the area of environmental remediation. I also have felt my sense of patriotism increase by being part of this organization.

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**What project/task/endeavor have you been most excited/proud to work on in conjunction with SAME?**

I really enjoyed helping to plan and carry out Industry Day this year. We had an excellent committee and it was great to work with them. I also enjoyed presenting the workshop on performance based contracting since I have a strong background in this and feel it is an excellent contracting tool.

**What are you looking forward to in the next year? 5 years? 15 years with SAME?**

I hope to continue in some leadership role in SAME, using the skills and experience I have that will benefit the organization. I have never been interested in being a member of an organization just to get the newsletter and enjoy a good meal once a month.

**What are the goals you hope to accomplish during your time in your position on the board?**

I would like to continue to make Industry Day better each year, and hope we can host a Regional Industry Day while I am still involved. I also hope to write an article for The Military Engineer on performance based contracting, if I ever find time between soccer and volleyball practices and games!

**What benefits do you see for our community through SAME's work?**

An increased awareness of the varied contribution that is made by engineers through the military— particularly in times of natural disaster and to help combat global terrorism. Much of what is done is too well kept a secret. SAME is a positive side of what is happening around the world.

I also see tremendous benefit in our mentoring program that reaches into the high schools and middle schools to encourage students to consider engineering as a profession through a hands on approach to learning.

**What would you say to an individual thinking about joining SAME?**

I would share with them what the organization has brought to me and also let them know that there is the opportunity to play an active role in strengthening the organization and to encourage young people to go into engineering and allied professions.

**FORMER SAME OMAHA POST PRESIDENT  
UBBELOHDE JOINS LEO A DALY**

Kurt Ubbelohde recently joined LEO A DALY as Corporate Director of Federal Programs in the firm's Omaha, Nebraska headquarters office. His focus is strategic planning, daily operations and business development in LEO A DALY's



Kurt Ubbelohde

Department of Defense and non-Department of Defense federal market sectors.

Ubbelohde joins the company following a distinguished 26-year career with the U.S. Army as a Corps of Engineers commissioned officer. His most recent assignment was District Engineer for the Gulf Region's Northern District in Mosul, Iraq, where he executed a design and construction program totaling over \$2.4 billion. Previously, he served as the District Engineer for the Corps' Omaha District, with an annual budget of \$500 million and a workforce of over 1,200 civilian and military personnel in nine upper Midwest states.

He also served as the Construction Division Chief for the U.S. Army in Europe, as Battalion Commander of the Corps' only Prime Power Engineer Battalion with missions worldwide and as a Nuclear Operations Officer at the Pentagon.

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For More Information Contact Jeff Williamson, PE @ 402.334.8181

Ubbelohde has a bachelor of science from the United States Military Academy, West Point, Master of Science in physics from the University of California, San Diego, and a master of arts in strategic studies from U.S. Army War College.

## SHALLOW WATER (PALLID STURGEON) HABITAT

By John Remus  
U.S. Army Corps of Engineers

The U.S. Army Corps of Engineers is introducing several hydrologic methods in the Missouri River to provide shallow water habitat (SWH) for the endangered pallid sturgeon.

In its predevelopment days, the Missouri River's natural features offered a wide range of flows, depth and velocity for native species such as the pallid sturgeon. At that time, the river channel and adjacent flood plain consisted of a main channel, secondary channels, side channels, emergent and submerged sandbars, backwater areas and oxbow lakes. The continuous meandering of the river and large flood events kept these river dynamics intact.

A number of changes occurred after the Corps developed the river to support navigation and flood control. Development confined the river to a single channel, prevented channel meandering, and removed larger flood events from the hydrologic cycle. The result is a nearly uniform channel cross section and velocity distribution in the lower 735 miles of the river.

In 2000, the U.S. Fish and Wildlife Service issued a Biological Opinion (BiOp) which requires the Corps to provide 20-30 acres of SWH per river mile in the reach from Sioux City, Iowa, to the mouth. The BiOp addresses operation of the Missouri River Main Stem Reservoir System, operation and maintenance of the Missouri River Streambank Stabilization and Navigation Project (BSNP), and operation of the Kansas River Projects.

There are a number of ways the Corps can meet the objectives of the BiOp. There are already about 3,000 acres of SWH in the lower river. In addition, modifying discharges from Gavins Point Dam can create a maximum of 1,200 acres SWH, or less than two acres per river mile. The goal is an overall increase



Pilot Channel Under Construction

in depth and velocity diversity across the cross section with at least 20-30 acres in the five foot deep range and 2.5 feet per second range.

Finally, the remaining 14-25 acres per mile of habitat are being provided through a reconstruction of the BSNP. The Corps has begun using several techniques designed to provide the depth diversity. (See Box)

The success of the SWH program relies on the ability of these methods to sustain habitat over time. This will require continued monitoring and assessment for several years. The Corps is in the beginning stages of a comprehensive monitoring and evaluation plan that will verify the effectiveness of these treatments and aid in the development of new activities as needed.

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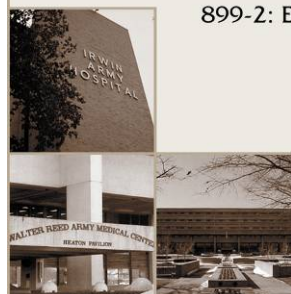
GSA Federal Supply Schedule Contract No. GS-10F-0042P

Special Item Numbers

899-1: Environmental Planning Services / Documentation

899-2: Environmental Compliance Services

899-8: Remediation Services



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## YOUNG MEMBER SPOTLIGHT

### *KYLE DUITSMAN*

#### Position on the SAME Board?

Young Members Chairperson

#### Duties of this position?

The duties of this position are to provide guidance and professional development resources to the Omaha Post and its Young Members.

#### What's your "day" job?

I am the Construction Services Department Manager at Professional Service Industries, Inc. We provide materials testing and special inspection services for a variety of construction projects (both large and small) throughout Iowa and Nebraska.

#### Personal information you'd like to share?

I am a 2003 graduate from the University of Illinois majoring in Civil Engineering. I am single and have two favorite pastimes – snowboarding in the winter and golf every other season.

#### How did you become involved with SAME?

When I moved to Omaha, I was fortunate to meet Jeanne LeBron who recommended SAME as a way to meet engineering professionals in the Omaha area. Jeanne's dedication, energy and enthusiasm was contagious and I've been involved ever since.

#### What has been personally fulfilling/beneficial from your work with SAME?

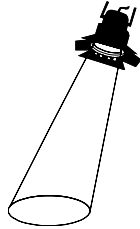
I have met so many friendly and helpful people through SAME in such a short time. To be welcomed by so many local professionals has made my relocation to Omaha a very positive experience.

#### What project/task/endeavor have you been most excited/proud to work on in conjunction with SAME?

I am honored to have been selected as chairperson for the Younger Members Committee. I understand the need for any organization to actively recruit new members and I intend to do just that for SAME. My initial focus will be to enlist new members for the committee to make our efforts more productive. I have already approached several new member prospects and have received encouraging responses.

#### What are you looking forward to in the next year? 5 years? 15 years with SAME?

I look forward to a long relationship with SAME. As my engineering career continues, I will no doubt draw on the numerous resources available through SAME.



#### What are the goals you hope to accomplish during your time in your position on the board?

Increasing numbers is only part of what I hope to accomplish as a SAME chairperson. Active involvement by all younger members is necessary to maintain the Post's reputation as an integral part of the engineering community.

#### What benefits do you see for our community through SAME's work?

I have always been an advocate of promoting engineering at the high school level. When a young person sets his sights on a career in engineering, the entire community reaps the benefits.

#### What would you say to an individual thinking about joining SAME?

I would definitely encourage them to join and to become involved anyway they can. The Post has a lot to offer its members, and its involvement in the engineering community makes it a very beneficial organization to become a part of.

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## NATIONAL PARK SERVICE BUILDING OBTAINS FIRST NEBRASKA LEED® CERTIFICATION

A new building on the banks of the Missouri River received one of the nation's highest honors for environmental sustainability. The U.S. Green Building Council (USGBC), through its Leadership in Energy and Environmental Design (LEED®) program, presented a Gold LEED certification to the Carl T. Curtis Midwest Regional Headquarters Building, National Park Service, U.S. Department of the Interior in Omaha, Nebraska. The rating certificate and plaque were presented to the building's developer, Noddle Development Company, during a ceremony July 21, 2005.

Primary Team Member Firms present at the ceremony included LEO A DALY (Architecture and Engineering) and Kiewit Construction Company.

The facility is the first LEED-certified facility in Nebraska, the 44th Gold LEED building in the U.S. and the 48th in the world. The building and surrounding site feature a number of components that maximize efficiency and reduce consumption of natural resources. Water is conserved through several measures, including the building's restrooms, which use water-saving plumbing and fixtures. Landscaping is composed of native plants that require watering for only two years before becoming self-sustaining. The building's east-west alignment and high-performance glass add to heating and cooling efficiency. The glass allows in plentiful daylight, but greatly reduces the amount of incoming heat and harmful UV rays. Alternative transportation is encouraged with power outlets in the parking lot, which may be used by commuters to recharge electric-powered vehicles. The building also features locker rooms and secure storage to facilitate bicycle transportation.

## STUDENT CHAPTER

The Chapter held their kickoff meeting at The Peter Kiewit Institute on September 20th. About 30 students were in attendance to listen to Col. Kirk Ubbelohde speak about his Iraqi experiences.

The Omaha Student Chapter Officers for the year are:

President:	Clayton Miller
Vice President:	Jake McConnell
Secretary:	Yuliana Lemus
Treasurer:	Adam McIntyre
Membership:	Sarah Nieves

There are currently 81 students with membership in the Chapter.

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**INDUSTRY DAY/GOLF OUTING**

The 2005 SAME Omaha Post Industry Day Conference and Golf Outing were held on August 30-31, and September 1. The conference program began on Tuesday afternoon with a workshop on Performance-Based Contracting, which was offered by Paula Wells of The Wells Resource.



Wednesday, August 31, was a full day of sessions with over 150 people in attendance. The exhibit hall was active with over 40 companies and government agencies participating. The keynote speaker, Scott E. Mickle with AEC Marketing Solutions, spoke on how attending trade association meetings can enhance revenue. This was a highly motivational speech that had the entire audience involved.

Something new this year was a Small Business – One Minute Spotlight where attending small business firms were invited to introduce themselves and their firm.

**Golf Outing**

This year, the Omaha Post Annual Golf Outing was held after Industry Day on September 1 and was once again held at the Indian Creek Golf Course. 132 golfers participated. Following a beautiful morning of golf, participants enjoyed a lunch and awards ceremony.



Many thanks to all conference participants, exhibitors, and speakers for making this year's Industry Day and Golf Outing a success. Special thanks to the Omaha Post conference planning committee for organizing and executing an excellent program.



## CORPS EMPLOYEES TRAVEL TO NEW ORLEANS TO ASSIST WITH RECOVERY EFFORTS

Omaha, Neb.—Within hours after Hurricane Katrina struck the Gulf Coast in a destructive and deadly wrath, the Omaha District, U.S. Army Corps of Engineers, deployed seven employees to support recovery efforts.

In times of disaster, the district’s Emergency Operations Center stands ready with teams that are trained and ready to move into impacted areas with critical support such as temporary housing and roofing. The seven deployed employees—Ruth Barry, Susan Blair, Jeffrey Cowman, Barbara Friskopp, David Holley, Janelle Mavis and Larry Redmond—will support various functions including logistics, geographical information systems and deployable tactical operations.

They are supporting headquarters, U.S. Army Corps of Engineers, the Corps’ Mississippi Valley Division, South Atlantic Division and Jacksonville District. Omaha District will deploy additional team members as needed in the upcoming weeks and months.

The Department of Defense designated the Corps as the primary agency for planning, preparedness and response under the Emergency Support Function #3, Public Works and Engineering.

The type of assistance provided by the Corps includes restoration of critical public services and facilities, including supply of adequate amounts of potable water and ice, temporary restoration of water supply systems, provision of temporary emergency electrical power, temporary emergency housing, structural evaluation of buildings, damage assessment, clearance, removal and disposal of debris.

The Corps conducts its emergency response activities under two basic authorities: the Flood Control and Coastal Emergency Act (P.L. 84-99, as amended) and the Stafford Disaster and Emergency Assistance Act (P.L. 93-288, as amended). Under the Stafford Act, the Corps supports the Federal Emergency Management Agency in carrying out the National Response Plan, which calls on 26 Federal departments and agencies to provide coordinated disaster relief and recovery operations.

Omaha District supported relief efforts in response to the four hurricanes that hit the southeast last year; emergency response team members are also serving overseas in the Global War on Terrorism.



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## STUDENT MENTORING ORIENTATION MEETING

This year's Orientation meeting, which signals the beginning of the Student Mentoring Program, kicked off on October 17 at the Peter Kiewit Institute. There were 20 teachers and 38 mentors attending. This represents about 56% of the teachers and 58% of the mentors. We have a total of 22 High Schools and 16 Middle Schools participating at this time in the Program. Bill Glismann, Committee Chair, lead the orientation and Roy Singleton, Program Administrator, provided additional comments.

The Program is in desperate need of more mentors and sponsors.

### Mentors:

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For additional information please contact: Bill Glismann, 551-8353, [bglismann@batheja.com](mailto:bglismann@batheja.com); or Roy Singleton, 554-2098, [rsingleton@mail.unomaha.edu](mailto:rsingleton@mail.unomaha.edu).

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## STANLEY CONSULTANTS ASSISTING IN NEW ORLEANS' HURRICANE RECOVERY MISSION

Stanley Consultants has been tapped by the U.S. Army Corps of Engineers to assist with hurricane recovery repairs in New Orleans. The company was awarded a Quality Control and Management Support task order to support the effort through an existing contract. A six-member team is currently in New Orleans assisting with the effort.

Repairing the extensive damage to New Orleans' hurricane and flood protection system caused by the devastating winds and flood waters



generated by Hurricanes Katrina and Rita is high priority for the U.S. Army Corps of Engineers (USACE). The goal is to bring the levees back to pre-Katrina protection levels by June 1, 2006, the beginning of the next hurricane season.

The USACE formed Task Force Guardian to manage the New Orleans' levees and floodwalls repair. The task force is composed of Corps employees supplemented by contracting forces. Stanley Consultants' Quality Control and Management Support (QCMS) task order assembles engineering expertise to provide program planning, quality assurance oversight, program communication, and cost/schedule management. The team will work closely with the USACE staff to implement a series of design and construction contracts.

It is critical that construction activities proceed in a coordinated manner to allow the most efficient progress possible. Stanley Consultants' team will work as liaisons to provide strategic coordination and scheduling services so that all entities will work as a unit toward a common goal.

A website is available through USACE ([www.usace.army.mil](http://www.usace.army.mil)) for the public to track progress on Task Force



Guardian and other efforts to reconstruct and provide additional protection to the New Orleans region.

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## PROJECT LEAD THE WAY

The following article was featured on the Project Lead the Way website. For more information on this program, go to “<http://www.pltw.org/aindex.htm>.”

### Omaha North Engineering Team Wins Overall Team Competition

The EDD class at Omaha North High won First Place for its “Taming the Wild” project in a contest sponsored by the Society of American Military Engineers (SAME) Omaha Post



as part of a mentoring program involving eighteen regional high school teams. First place in the SAME competition includes \$1000 in scholarship monies for students and \$1000 for the PLTW Engineering program at Omaha North High.

The team selected a local real-life project for Omaha's Henry Doorly Zoo fondly called "Taming the Wild." The challenge was to design an administration building for the zoo to include a multi-media center and dormitory facility for intern veterinarians studying at the zoo. Floor plans, elevations, site considerations as well as promotional proposal were included in the project design. Presentation boards and brochures were developed as well as a series of models of the facility.

The entire text of the written technical report can be found at: [http://www.pki.nebraska.edu/studentinfo/simp/projects/high/north\\_2005.pdf](http://www.pki.nebraska.edu/studentinfo/simp/projects/high/north_2005.pdf)

Omaha North High is a certified PLTW program. The EDD program is taught by Dr. Lee Kallstrom.

## FROM THE EDITOR

Please submit your press releases and articles to me at [mary.erwin@hdrinc.com](mailto:mary.erwin@hdrinc.com), or you can mail them to Mary Erwin, HDR, Inc., 8404 Indian Hills Drive, Omaha, NE 68114. The deadline for the Winter 2005 Newsletter is **December 12, 2005**.