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Editors: Sophie J. Bullard & Bernard S. Covino Jr.

March 2006

Issue 4 Volume 1

NACE PDX Tours Hot-Forged Pipe Fitting Company



NACE Portland Section Vice Chairman Bernie Covino watching a 16 inch elbow being forged.

It's a good chance that many of the elbows, tees, reducers, or caps that we as corrosion engineers encounter in our inspections come from Tube Forgings of America. They are one of only 3 US companies still making these parts using a hot forming technique. Approximately 30 NACE members and guests from Oregon and Washington were given a talk and a tour by Pat Benavides Vice President and General Manager, John Garbutt, Plant Manager, John Peachey, Quality Assurance Manager, and Bill Park, Manufacturing Manager.

In the talk we learned that this ISO 9002 certified company makes product for the oil refining, chemical, and petro-chemical processing, gas transmission, power generation (including nuclear), shipbuilding, and commercial construction industries. A highlight of the tour was the forging of straight pipe into elbows and tees after being heated in huge gas-fired furnaces.

**Have a happy & sunny
First Day of Spring on March 21st!**



NACE March 2006 MEETING

DATE: March 23, 2006 TIME: 11:45 AM

**PLACE: NW Natural
220 NW 2nd Ave.
Portland Oregon**

Presentation: The St Johns Bridge Renovation

**Presenters: Greg Gifford, Western Federal Land Highway Division
Robert Hopewell, ODOT**

Lunch: \$10.00

Menu Selection - See attachment

**Send choices to: Sophie J. Bullard Tel: 541 967-5989
e-mail: sophie.bullard@netl.doe.gov**

Directions page 2

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www.alrc.doe.gov



NW Natural
We grew up here

www.nwnatural.com



www.carboline.com



SHERWIN-WILLIAMS.
Industrial & Marine Coatings

www.sherwin-williams.com



www.coastnde.com

Directions to NW Natural

From South (Albany): Get on I-5 North; Take the I-405 exit- EXIT 299B- on the LEFT toward CITY CENTER / US-26 W / BEAVERTON. Take EXIT 1A on the LEFT toward NAITO PKWY. / JAPANESE-AMERICAN HIST. PLAZA. Stay STRAIGHT to go onto SW HARBOR DR. Turn RIGHT onto SW NAITO PKWY. Turn LEFT onto SW ASH ST. Turn RIGHT onto SW 2ND AVE. End at **NW Natural**, 220 NW 2nd Ave, Portland, OR

From North (Seattle): Get on I-5 South: Take EXIT 302A toward CITY CENTER. Turn SLIGHT RIGHT onto N BROADWAY. N BROADWAY becomes BROADWAY BRIDGE. BROADWAY BRIDGE becomes NW BROADWAY. Turn LEFT onto NW DAVIS ST. Turn LEFT onto NW 2ND AVE. End at **NW Natural**, 220 NW 2nd Ave, Portland, OR

Future NACE Portland Section Meetings

April, 2005 Considerations/Criteria for Relocating Utilities in Electrical Rail Corridors
May, 2005 XRF (X-Ray Florescent) Portable Metals Element Analyzers
June 2005 Corrosion Sensors for Gas Pipelines at NETL-Albany

Upcoming NACE Courses

March 2006 The 53rd Annual Corrosion Control Course, The University of Oklahoma Outreach, Norman, OK

NACE International course schedule:

<http://www.nace.org/nace/content/Education/courses/CourseSchedule.asp>

Coast to Coast NDE Training Schedule

March 20 - 23 - Magnetic Particle Level I & II

March 24 - 25 - Liquid Penetrant Level I & II

March 20 - 25 - Ultrasonics Level I

March 20 - 23 - Pipeline Integrity and Soils

June 19 - 21 - Magnetic Particle Level I & II

June 22 - 23 - Liquid Penetrant Level I & II

June 19 - 23 - Ultrasonics Level I

June 19 - 21 - Pipeline Integrity and Soils

March 27 - 29 - Magnetic Particle Level I & II

March 30 - 31 - Liquid Penetrant Level I & II

March 27 - 31 - Ultrasonic Level II

June 26 - 28 - Magnetic Particle Level I & II

June 29 - 30 - Liquid Penetrant Level I & II

June 26 - 30 - Ultrasonic Level II

Upcoming Corrosion Events

March 12-16, 2006 **CORROSION-NACExpo/2006**, 61st NACE International

Annual Conference & Exposition, San Diego Convention Center San Diego, CA. Excellent technical sessions, topical talks, a student poster display, plenary lecture, equipment and service exhibits.

Opening reception (5:30 to 7:00 pm, Sunday) sponsored by Carboline Company, NACE Race (Sunday), NACE Foundation Golf Tournament (Sunday), a Career and Employment Fair (Monday), a Coatings Connection Learning Lab (Monday-Wednesday), and an Awards Dinner (Wednesday).

May 2-4, 2006 40th Annual Western States Corrosion Seminar, California State Polytechnic University, Pomona, CA

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Awards Corner

Your Awards Chairman needs YOUR help in bringing recognition back to Local Section members. Please nominate someone (even yourself) or some company that you think has done some outstanding work. The deadline is June 2 for NACE International awards (eg, Technical Achievement, Distinguished Service, Fellow, Distinguished Company, etc). Check out the following link for more information on NACE Association awards and then contact Bernie at covino@alrc.doe.gov with your ideas on awards.

<http://www.nace.org/nace/content/awards/summaryindex.asp>

NACE Foundation Student Academic Scholarships:

In 2006, the NACE Foundation will Award over \$30,000 in Academic Scholarships to deserving students around the world. These scholarships are targeted at students (both graduate and undergraduate) interested in pursuing an education in the field of corrosion science and engineering. If you know of a student who qualifies for any of these scholarships (must be a NACE student member), we strongly urge you to have them apply immediately

Membership Corner ~ Invite a Friend to Join NACE ~

Individual membership \$130 for one year, \$250 for two years.

Applications available at:

<http://www.nace.org/nace/content/Membership/ContentMembership.asp>

News from NACE Portland Section Members

Send your contributions to:

Sophie J. Bullard
bullard@alrc.doe.gov

or

Bernard S. Covino, Jr.
covino@alrc.doe.gov

Who is NETL-Albany?

The Albany Research Center (ARC) in Albany, Oregon, joined the U.S. Department of Energy's National Energy Technology Laboratory (NETL) on November 27, 2005, and is now called NETL-Albany. NETL-Albany was originally established as a U.S. Bureau of Mines laboratory in 1943. Congress closed the U.S. Bureau of Mines in 1995 and transferred the Albany Materials Partnership Program to the U.S. Department of Energy.

NETL-Albany's current research program encompasses development and testing of high-temperature, corrosion-resistant structural ceramic composites and metal alloys that perform specific functions in environments associated with advanced fossil energy systems such as coal gasifiers, turbines, combustors, and fuel cells. The cooperative research partnerships NETL-Albany performs with industries and other agencies continue and are an integral part of the Center's research efforts.

Contributors: Sophie Bullard & Bernie Covino, NETL-Albany

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News from NACE Portland Section Members

Coast NDE Moves to Wilsonville



Coast NDE, Wilsonville, Oregon

In March 2006, Coast NDE moved their office from the Aurora Airport facility into the heart of Wilsonville, Oregon. The success of their existing UT, MPI, and Pipeline Integrity/ Soils training courses identified the need to move into a larger training facility. The facility will also provide the space and testing area's required for the NCCER Operator Qualification

Testing Center, Above Ground Survey, Mechanical Integrity, and Power Generation Condition Assessment departments. Coast NDE courses (schedule page 2) will start in March 2006. Questions about training programs can be directed to Wes Weber Wes@coastnde.com or (503) 559-4939 or Jerald Baccari at Jerald@coastnde.com or (503) 678-4404.

Contributor: Wes Weber, Coast NDE

John VanBladeren

A memorial service was held Monday, Feb. 27, 2006 at Rivercrest Community Church in Portland for John VanBladeren. John was one of the founding fathers of the Portland Section of NACE and the first Corrosion Engineer at NW Natural Gas. In 1962, John became a registered professional Engineer in Oregon. He was active in the National Association of Mechanical Engineers where he became a Fellow in 1980. He wrote many papers on the corrosion process as it applied to the consulting business and was recognized nationally for his efforts. In 1966, he was named Engineer of the Year by the Western Region of NACE. John retired from NW Natural Gas in 1985 and worked as an independent contractor for NW Natural Gas during 1986. In 1987, he operated VanBladeren Engineering, a consulting company, and Van's Investment Advice, a company managing retirement portfolios for 19 years. He is survived by his wife, Darlene, 3 sons, 4 stepchildren, 11 grandchildren, and 6 great grandchildren.

Contributor: Roy Rogers, NW Natural