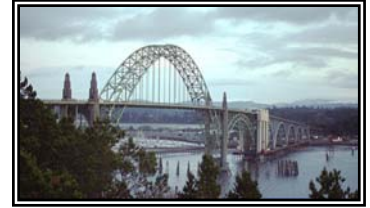




**NACE**<sup>SM</sup>  
INTERNATIONAL

PORTLAND  
SECTION

# e - Newsletter



## 2005-2006 OFFICERS

### Roy Rogers

Chairman  
NW Natural  
Pipeline Integrity Dept.  
220 NW 2nd Ave.  
Portland, Oregon  
503-226-4211 x4362  
[rfr@nwnatural.com](mailto:rfr@nwnatural.com)

### Bernard S. Covino, Jr.

Vice Chairman  
Awards Chairman  
National Energy Technology Lab  
(Formerly Albany Research Center)  
Albany, OR  
541-967-5828  
[bernard.covino@netl.doe.gov](mailto:bernard.covino@netl.doe.gov)

### Sophie J. Bullard

Secretary/Treasurer  
National Energy Technology Lab  
(Formerly Albany Research Center)  
Albany, OR  
541-967-5989  
[sophie.bullard@netl.doe.gov](mailto:sophie.bullard@netl.doe.gov)

### George Richards

Membership Chairman  
Cascade Corrosion Consulting, Inc  
Keizer, OR  
503-463-9409  
[george.richards6@msn.com](mailto:george.richards6@msn.com)

### Stephen D. Cramer

Career Development Chairman  
Bridge Corrosion Consultants  
Albany, OR  
541-926-1596  
[cramerss2@aol.com](mailto:cramerss2@aol.com)

### Bruce W. Mitchell

Trustee  
Carboline Company  
Portland, OR  
503-430-8432  
[bmitchell@carboline.com](mailto:bmitchell@carboline.com)

#### In this Issue

|                       |   |
|-----------------------|---|
| December 2006 Summary | 1 |
| January 2007 Meeting  | 1 |
| Upcoming Meetings     | 2 |
| Upcoming NACE Courses | 2 |
| Awards & Membership   | 2 |

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

January 2007

Issue 2 Volume 4

## Eddy Current Detects Stress Corrosion Cracking (SCC)



Brian Snider Explaining the Use of the Eddy Current Test Device to NACE members:  
John Biskey and Margaret Ziomek-Moroz.

Coast to Coast Inspections and Integrity Assessments hosted the December 7, 2006 meeting of the Portland Section of NACE International at their new facility in Wilsonville, OR. The over 25 NACE and ASM members present expressed their thanks to Coast to Coast for sponsoring the lunch and the technical presentation.

Advanced Services Manager Brian Snider gave an excellent talk on the use of various techniques for detecting cracks

in pipelines. The least complex method discussed was Magnetic Particle Testing where a white base paint is applied to the pipe and black particles are added on top to reveal the cracks. More complex Ultrasonic Testing (UT) using both Standard Shear Waves and Phased Arrays were also mentioned. In comparison to these, however, Eddy Current Testing (ET) is best for detecting small cracks such as occur with SCC. While ET is limited to the near surface, it is more sensitive than UT due to a smaller probe and it is quicker and easier to use. (POC: Brian Snider (801) 796-5099, [brian@coastnde.com](mailto:brian@coastnde.com).)

## NACE January 2007 Meeting

DATE: January 18, 2007 TIME: 11:30 AM

Presenter: Gary Hopkins, City of Portland – Department of Transportation

Topic: Building an Urban Aerial Tram System

Place: Old Spaghetti Factory; 0715 SW Bancroft St.  
Portland, OR 97239 Tel: 503-222-5375

Lunch: Menu: <http://osf.com/menu/location-menus/PortlandMenu111306.htm>

E-mail Selection to Sophie Bullard at [sophie.bullard@netl.doe.gov](mailto:sophie.bullard@netl.doe.gov) by 4:00 PM 1/17/07

Following Lunch, a Tram Ride



## Sponsors



[www.netl.doe.gov](http://www.netl.doe.gov)



**NW Natural**  
*We grow up here*

[www.nwnatural.com](http://www.nwnatural.com)



[www.carboline.com](http://www.carboline.com)



**SHERWIN-WILLIAMS.**  
*Industrial & Marine Coatings*

[www.sherwin-williams.com](http://www.sherwin-williams.com)



[www.coastnde.com](http://www.coastnde.com)

## Directions to Old Spaghetti Factory

**From North (Seattle)** Take I-5 and head to Portland/Salem, OR  
Take EXIT 299A toward OR-43/Lake Oswego  
Stay Straight to go onto SW Hood Ave. OR-43-S 0.4 miles  
Keep Left at the fork to go on SW Hood Ave. <0.1 miles  
Turn Slight Right onto SW Bancroft ST. <0.1 miles  
End at Old Spaghetti Factory, 0715 SW Bancroft St., Portland

**From South (Albany)** Take I-5 and head to Portland  
Take OR-43/Macadam Ave. exit EXIT 299A-toward US-26 E/Ross Is. Bridge  
Stay Straight to go onto SW Macdam Ave. /OR-43 N <0.1 miles  
Turn Right onto SW Gaines < 0.1 Miles  
Turn Right onto SW Moody Ave. 0.2 Miles  
Turn Left onto SW Bancroft St. <0.1 Miles  
End at Old Spaghetti Factory, 0715 SW Bancroft St., Portland

## Future Portland Section Meetings:

|  |                      |
|--|----------------------|
| Spiral Wound Pipes – Oregon Steel Mill | Date to be announced |
| Coating – Oregon Steel Mill            | Date to be announced |
| Pulp and Paper – Camus WA              | Date to be announced |

## Check Upcoming NACE Courses at:

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

## Awards Corner

Your Awards Chairman needs YOUR help in bringing recognition back to Local Section members. For the coming year, please nominate someone (even yourself) or some company that you think has done some outstanding work for the Western Area NACE awards (e.g., Engineer of the Year, Stratfull Service Award, Company of the Year, Ted Harrington Scholarship) and/or the NACE International awards (e.g., 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 [Bernard.Covino@netl.doe.gov](mailto:Bernard.Covino@netl.doe.gov) with your ideas on awards.

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

## Membership Corner ~ Invite a Friend to Join NACE ~

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

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

## News from NACE Portland Section Members

Send news about your activities, photographs of activities, and/or unique corrosion related phenomena to share with the NACE Portland section members for the September 2006 to June 2007 Issues. Retirees send news about the way things use to be done or what you're doing now. Thanks Bernie & Sophie