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

September 2006

Issue 1 Volume 2

Real Time Corrosion Monitoring Featured at Local Section Meeting

The NACE Portland Section offered complementary ribs, beans, cole slaw, and Corrosion Monitoring at the end of year June meeting held at the National Energy Technology Laboratory (NETL) in Albany, Oregon. The food was plentiful and excellent. The 25 attendees heard two presentations about online real time corrosion monitoring. Bernie Covino of NETL presented a summary of the Lab's research on using electrochemical



Bernie Covino (left) and Juan Hernandez (right).



techniques to measure corrosion rates in gas pipelines in Louisiana and Wyoming. His talk was titled "Field Tests of Probes for Detecting Internal Corrosion of Gas Transmission Pipelines." This research demonstrated the ability to measure periodic excursions to very high corrosion rates in gas pipelines and also to detect the presence of localized corrosion (pitting).

The second presentation, given by Juan Hernandez of Honeywell Process Solutions of Houston Texas, was titled "Monitoring Corrosion as a Process Control Variable." Juan presented data on the frequency of corrosion-caused failures in process equipment and of the usefulness of corrosion monitoring in terms of understanding equipment life, optimizing inhibitor applications, etc. He also described and demonstrated the operation of the SmartCET Corrosion Monitoring System seen to the left.

NACE September 2006 Meeting

DATE: Sept. 21, 2006 **TIME:** 11:30 AM

Speakers: Kim Karmil & Jim Tolly, Farwest Corrosion Control

Topic: Information on new technology on mmo's, cast iron anodes, a new constant potential magnesium anode controller, and other new anodes for power and marine industries and a demo on flange kits and pipe epoxy coatings.

Place: NW Natural Farwest

Lunch: Provided by Kim Karmil, Corrosion Control

E-mail Roy Rogers at rfr@nwnatural.com to let him you are attending.

Labor Day



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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

Portland Section Officers Brainstorm at June Executive Committee Meeting



Portland NACE local section officers met in June 2006 at the Century Hotel in Tualatin, Oregon to plan the section's program for the 2006-2007 NACE year. Shown in the picture are (left to right) Vice-Chairman and Awards Chairman Bernie Covino, Secretary-Treasurer Sophie Bullard, Chairman Roy Rogers, Membership Chairman George Richards, and Trustee Bruce Mitchell.

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>

ATI Wah Chang Courses www.wahchangelabs.com

For Questions: Steve Sparkowich steve.sparkowich@wahchang.com

Date	Title
October 6, 2006	The Fundamentals of Titanium Workshop

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Become a Sponsor of
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Sept 2006 to June 2007

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 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>

Access to the NACE International Member's Only Website that includes:

Unlimited downloads of Current NACE Standards

Unlimited downloads of Current NACE technical reports

Unlimited downloads of NACE conference papers six months old and older back to 1996

Access to K-NACE – interactive electronic books and COR*²SUR database

Preferred pricing on NACE conferences, seminars, training, and education courses.

Certification fee discount

K-NACE Premium Discount– 12 premium electronic books

K-NACE Premium Plus Discount – 24 premium electronic books

NACE career center – career planning and job posting service

Member pricing (up to 20% discounts) on NACE products

Materials Performance – free subscription

MP Online

Members-Only Bulletin Board – online technical discussion boards

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

How's Retirement?

That was the question Sophie asked, "How's retirement?" "Well," I said, "it's a mixed bag." Just to go back a little, I (Steve Cramer) retired from the National Energy Technology Laboratory (NETL) – Albany in March of 2003 after being involved with corrosion and electrochemistry for almost 43 years. But who's counting.

What's changed? Obviously, I no longer am employed by DOE. But I sure miss the folks I worked with. At first I went to the office on a fairly regular

basis to finish old work, and more covertly to see friends. But the work eventually got finished. Fortunately, Sophie brings back salmon from Alaska after the June-July fishing season and so I go to the Corrosion Group salmon cookout each summer, even get to help. Then there is the annual Laboratory picnic. And the Corrosion Group (Sophie Bullard, Bernie Covino, Gordon Holcomb, Steve Matthes, and Margaret Ziomek-Moroz) get together fairly regularly for lunch at the China Buffet, which allows me to keep up with the events in peoples lives. And of course I still mosey into work to make sure I haven't missed any scuttlebutt and to spend more time with the folks in whose company I enjoyed a large part of my life.

Bernie Covino and I have just finished editing the ASM International Corrosion Handbook. Volume 13C, *Corrosion-Environment and Industries*, will be published this Fall. Volume 13A, *Corrosion-Fundamentals, Testing and Protection* was published in October 2003, and Volume 13B, *Corrosion-Materials*, was published in November 2005. With the help of many very talented, informed, and gracious volunteer authors, almost 4000 pages of the handbook are now between hardcover in 3 volumes.

Using my writing and editing skills, I now edit a local newsletter which examines growth, community, and tree issues in the Albany area.

I have been able to spend more time rafting and hiking. Immediately after retirement my brother Dave and I rowed the Colorado River through the Grand Canyon. This summer I rowed the Green River in Utah with former NETL-Albany employee Rob Blickensderfer. And my wife Sandy and I row the Rogue River and the lower Salmon River once a year. This year we also hiked the higher peaks in Death Valley, an area known for high temperatures but, at 8000 feet, pile was needed one night in early July.

More importantly I spend more time with Sandy and our scattered family. This is probably a mixed bag for Sandy. But we are adjusting to each other and getting to know each other in ways we missed with a regular work week. Not surprisingly, we are also doing more together. I definitely do more cooking and more dishes; but I don't vacuum. Our big project, for those who know that we live in a house that is over 125 years old, is remodeling. Right now, three rooms (kitchen, dining room, and living room) are fully gutted. We are working on lighting and electrical, to be followed shortly by insulation and drywall (whew!!!). Then we are taking a break and will visit family in the East while contractors do the finish carpentry.

So you can see, it is a mixed bag. Many of the things I/we (Steve and Sandy) do are the same, but the emphasis is increasingly different. And we see the trend that, with time, I am moving further away from my work habitat (but not our friends from work) and towards new endeavors. Do I like retirement? Sure! It has new, varied, interesting, and enjoyable challenges just like the corrosion work I did in the past.

Contributed by Steve Cramer (formerly with NETL-Albany, USDOE, Albany OR)

PS

Among his varied, interesting, and enjoyable challenges, Steve Cramer is also the Career Development Chairman for the NACE Portland Section.

Sophie

Happy Grandparents Day

September 10, 2006

