

News about corrosion and the corrosion industry produced quarterly for members of NACE International in the Calgary area

NACE Annual Golf Classic once again above par

- Brad Woloschuk, Arrangements Committee

NACE Calgary Section hosted 216 golfers on August 24 for another very successful Annual Golf Classic at Elbow Springs Golf Club. Players of all levels enjoyed a sunny day of golf and great on course refreshments followed by a terrific barbecue.

Congratulations to this year's top three teams:

- 1st Place** - Burke Delanty, Al Charlesworth, Jim Anderson, Bob Longpre
- 2nd Place** - Brian Wilson, Tim Brann, Garon Robb, Ken Murphy
- 3rd Place** - Mike Dodd, Darin Radkie, Sunil Thomas, and Sheldon Kazuik

Congratulations also to the team with the fastest time in the Pipe-Tech Pit Stop Challenge - John Zsednai, Dean Owens, Brian Gilmour and Lance Charrois. They each won a digital camera provided by Pipe-Tech.

An equalization formula that incorporates each player's handicap is used to determine each team's score so that any given team can place well. As a result, net scores for the top 24 teams were all below 60.

The organizing committee is currently reviewing this year's tournament and will soon be discussing ways to improve the event for next year. Please forward your comments and suggestions to anyone on the arrangements committee:

- ▶ Brad Woloschuk - arrangements1@nacecalgary.ca
- ▶ Evan Bloomfield - arrangements2@nacecalgary.ca
- ▶ Don Strembiski - arrangements3@nacecalgary.ca



Erin Stotschek and Kim Sorochan show us how it's done at the Pipe-Tech Corporation Pit-Stop Challenge. For more photos and a full list of sponsors, see page 5.

Golf tourney sponsors made the day

tournament of this size could not happen without the very generous support of our major sponsors:

- ▶ **RTD Quality Services** through the support of Ron Hynes sponsored the scorekeeping and video presentation by Ace Tournament Services.
- ▶ **Cloverdale Paint** through the support of Brian Johnston provided golf balls for all the participants.
- ▶ **Proline Pipe Equipment Inc.** was a new sponsor this year, providing tees to all the golfers.

In addition, we would like to thank the companies that supported the six \$10,000 hole-in-one prize holes:

- ▶ BJ Pipeline Inspection Services - Lina Asensio
- ▶ Brenntag Canada Inc. - Jeff Dunn
- ▶ CC Technologies Canada Ltd. - A DNV Company - Daryle Warnke
- ▶ Champion Technologies Ltd. - Carol Swabey
- ▶ Pipetech Corporation Ltd. - Bob Lotwin
- ▶ Shaw Pipe Protection Limited/Canusa - Rose Jones

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NACE Donates to CAWST

The Centre for Affordable Water and Sanitation Technology (CAWST) has extended a special thank you to NACE for a donation made on behalf of the presenters at the Water Corrosion Seminar.

"NACE's donation will be invested in education and training programs that are the catalyst for local, community-driven projects in developing countries," said Alison Pidskalny, Director of Resource Development & Business Services. CAWST is a home-grown charity that provides engineering services in water and sanitation to organizations in developing countries. "It's this education-first approach that has resulted in hundreds of independent projects and a million people impacted with clean drinking water."



At CAWST's seminar presentation, Shauna Curry, Director of International Services, encouraged NACE members to get involved with charities involved in local and global water issues like CAWST, including membership, volunteering, getting families involved in CAWST's youth program or registering for one of their courses here in Calgary. [Click here](#) for more information at www.cawst.org.

Facts about people and water

- ▶ 1.1 billion people in the world do not have access to safe water, roughly one-sixth of the world's population.
- ▶ 4,900 people die every day from unsafe drinking water, inadequate sanitation and poor hygiene.
- ▶ The average distance that women in Africa and Asia walk to collect water is 6 km.
- ▶ The weight of water that women in Africa and Asia carry on their heads is the equivalent of your airport luggage allowance (20kg).
- ▶ The average person in the developing world uses 10 litres of water a day.
- ▶ One flush of your toilet uses as much water as the average person in the developing world uses for a whole day's washing, cleaning, cooking and drinking.



Of courses...

- ▶ Oct 22 - 26, 2007 Basic Corrosion Course NACE Calgary Section
- ▶ Oct 22 - 26, 2007 Internal Corrosion for Pipelines NACE International
- ▶ Oct 29 - Nov 2, 2007 Basic Corrosion Course NACE Calgary Section
- ▶ Oct 29 - Nov 2, 2007 CP 4 (Cathodic Protection Specialist) NACE Calgary Section

All courses take place at the Carriage House Inn, 9030 Macleod Trail South.

Register for NACE International courses at www.nace.org. To register for NACE Calgary Section sponsored courses, [click here](#) to contact Ron Hoppe, NACE Calgary Section Career Chairman.

Northern Area Western Conference: 'Gateway to the Oil Sands'

Edmonton NACE section is hosting the 2008 Northern Area Western Conference - "Gateway to the Oil Sands" - February 11th-14th, 2008. The conference takes place at the Shaw Conference Centre in Edmonton and the conference hotel is the nearby Courtyard Marriott. The conference brochure and more **details will be available sometime in October. For more information in the interim, [click here](#)** to visit the Edmonton site.



News from your Calgary NACE Executive Committee

- Charles King, Calgary Section Chair

I hope that all of you had a chance to relax and regenerate over the summer. The NACE Executive took a break over the summer as well and we are now starting to gear up for an active year on behalf of our members.

Reflecting on the summer months...

- ▶ The NACE Golf Tournament at Elbow Valley Golf and Country Club which was a huge success. Special thanks to the organizing committee consisting of Brad Woloschuk, Evan Bloomfield, Don Strembiski, Carol Swabey, and Wendy Artus. Great Job.
- ▶ The ASM/NACE Materials Teacher's Camp which was held the week of August 20th thru 24th was a tremendous success, thanks to careful planning, great experiences for the teachers, and the incredible support of the camp sponsors. See the article about the camp on page 4 in this issue.

Looking forward to the coming year....

- ▶ We will be kicking off our 2007/2008 NACE Executive season in September, with our first Executive meeting on September 17. The Calgary Section Executive will be holding our annual planning session in October to discuss and firm up a "go forward" plan for 2008.
- ▶ We will continue to work with the Edmonton section to offer Satellite seminars. Stay tuned for a seminar coming to your area.
- ▶ We will also be making changes to our website this year so keep your eye out for our "new look". One of the changes will be to add a Career Development page to the site, with information, including job postings for growing your career. We will also continue to profile job opportunities in the newsletter.

The Executive Committee is always looking for input and feedback from our members, so please contact any of us at any time with your ideas or suggestions. [Click here](#) to see the list of Executive members and to send me or one of my colleagues an email.

Career Opportunities

NACE is pleased to notify members of career opportunities in the corrosion industry through this column. To have a job posting listed in NACE News, forward it to naceneews@nacecalgary.ca. Information provided may be edited to fit the newsletter format.

Enerplus Corrosion Technologist/ Specialist

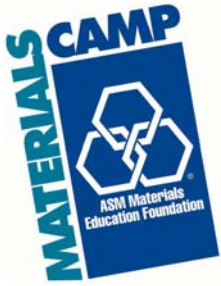
Enerplus is an oil and gas company with a 19 year history of continued growth in the oil and gas industry. The Corrosion Technologist/ Specialist is a Calgary based position.

Qualifications include:

- ▶ An applicable engineering degree or technical diploma complemented with a minimum 5 years corrosion control experience in the oil & gas industry;
- ▶ Minimum NACE Corrosion Technologist certification;
- ▶ API certification and/or other industry equivalents are an asset;
- ▶ Strong knowledge of pipeline regulations, in particular CSA Z662-03 and Annex M & N;
- ▶ Experience with magnetic flux leakage in-line inspection and associated prove-up techniques are a requirement.

[Click here](#) for more information and to apply online.

See page 4 for more Career Opportunities...



Calgary 2007 ASM/NACE Materials Camp for Teachers

- Brent Harle and Julia Day

The second annual *Calgary ASM/NACE Materials Camp for Teachers* was offered at SAIT from August 20-24 by the Calgary sections of NACE and ASM. The Camp provided a hands-on laboratory experience to help teachers from all over the province to learn

more about materials science and to incorporate some very impressive applied science techniques in the classroom.

The idea behind the camp is to get kids interested in materials science and to ultimately pursue education and careers in this field.

Participating teachers leave with a solid overview of materials science and a comprehensive series of low cost laboratory demonstrations in applied science to use in their classrooms for chemistry, science/technology, physics, or industrial arts. Instructors are a team of experienced 'Master' High School Teachers, university professors and industrial experts.

The Materials Camp consisted of classroom time and hands-on experiments in a laboratory setting relating to materials science including corrosion, metals, polymers, ceramics and glass. In addition, industry tours with Champion Technologies and several laboratories on the SAIT campus were arranged to show these practices in action.

Camp sponsors in addition to ASM, NACE and SAIT were Brenntag Canada, Baker Petrolite, Champion Technologies, Nalco Canada, Canadian Natural Resources Limited (CNRL) and Mr. Allan Markin, philanthropist and Chairman of CNRL.

The Calgary Materials Camp was a success for the local Calgary sections of ASM and NACE and the Calgary Materials Camp committee. The camp took 10 months to organize, but the feedback from the participating teachers was extremely positive which made the time and effort very worthwhile. One teacher said: "This is the best continuing education experience I have ever had or heard of – period."



Delegates and Master Teachers for the 2007 Calgary ASM/NACE Materials Camp.

Tentative dates for the 2008 Calgary ASM/NACE Teacher's Camp are August 22 to 26, 2008.

Career Opportunities

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CNRL Pressure Equipment Integrity Coordinator - Facilities

Canadian Natural Resources Limited (CNRL) is a leading senior oil and gas exploration and production company.

You will be part of a small Calgary based team responsible for addressing day-to-day pressure vessel and material integrity issues related to our pipeline and production facility activities within Western Canada. Regular travel to field locations will be required.

Candidates must have a B.Sc. in Engineering or be a Certified Engineering Technologist in a materials or corrosion related discipline coupled with solid field operations experience. Previous experience with pressure vessel, pipeline and storage tank integrity management would be a definite asset. Proficiency in spreadsheet and engineering software applications is required. The successful candidate will have strong communication, organizational and team skills complemented with a strong work ethic.

[Click here](#) for a detailed job description and to apply online.

2007 prize sponsor companies

3M Canada Inc.
 Acuren Group
 Alliance Pipeline
 Altek Industrial Supply Ltd.
 Ammonite Corrosion Engineering
 Anotec Industries Ltd.
 Baker Petrolite
 BJ Chemical Services
 BJ Pipeline Inspection Services
 Brenntag Canada Inc.
 Canadian Natural Resources
 Caproco (1987) Limited
 Carboline Plasite Canada
 CC Technologies Canada Ltd.
 Champion Technologies Ltd.
 CIMARRON Engineering
 Cloverdale Paint
 Conoco Phillips
 Corrosion Service Company Ltd.
 Corpro Canada
 Corr-X Engineering
 CSI Coating Systems Inc.
 Denso North America
 Dofasco
 Dynamic Risk
 Elbow Springs Golf Club
 Encana Corporation
 Equinox Engineering Ltd.
 Fiberspar Line Pipe

Innovative Chemical Technologies Canada
 In-Line Pigging Solutions
 Integrated Rectifier Technologies
 International Paint
 John Baron Projects
 Leak Technologies Solutions Ltd.
 Maloney Industries
 Metal Engineers International
 Micron Coatings Inc.
 Nalco Canada Inc.
 Onstream Pipeline Inspection
 Pangea Solutions Inc.
 Penn West Petroleum
 Pipetech Corporation Ltd.
 Proline Pipe Equipment Inc.
 Rolled Alloys
 Rosen Inspection
 RPH Distributors Ltd.
 RTD Quality Services Inc.
 Scapa North America
 Shaw Pipe Protection Limited / Canusa
 Talisman Energy
 The Tapecoat Company
 TransCanada Pipelines Ltd
 Trican Distributors
 Tuboscope a Varco Company
 United Pipeline Systems
 Western Quality Services

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Golf tourney sponsors made the day

Brenntag Canada Inc., Champion Technologies Ltd. and On-Stream Pipeline Inspection sponsored alcoholic beverages to keep the golfers refreshed throughout the day. On-Stream Pipeline Inspection also generously fed us with a fantastic barbecue. Then they gave away the barbecue in a random draw, with Darrell Bishop taking home the grill.

Many companies generously provided gifts and funds that enabled us to send each player home with a prize and to award 15 individual skill shot prizes. Special thanks goes to Baker Petrolite for donating an autographed Lanny McDonald jersey as a draw prize.

On behalf of the NACE Calgary Executive, thanks to all golfers who were able to attend this year's event and we look forward to seeing you at next year's tournament.



One of our many participants tees off on the Elbow Springs Course.



Don Strembiski works his way out of the rough.

News from NACE International

NACE Foundation launches campaign to build world-class corrosion training facility

The NACE Foundation has launched a Capital Campaign to establish the first worldclass facility for professional workforce training in the corrosion industry. The Training Center will feature hands-on equipment and outdoor training fields with industrial structures that simulate real-world corrosive environments. The Center will be a resource for teachers and professors of corrosion programs, and for existing and future training courses by NACE International, a separate organization whose mission is to protect people, assets, and the environment from the effects of corrosion.

NACE International has announced a matching funds campaign, agreeing to match the amount raised by the NACE Foundation dollar-for-dollar up to \$1.2 million. For more information, [click here](#).

Highway Bridges Report reveals corrosion-related technological gaps

The collapse of a freeway bridge into the Mississippi River captured the attention of global audiences in early August. The catastrophe sheds a much-needed spotlight on the serious threat posed by structural deficiencies in U.S. bridges. "Besides tremendous personal loss, this type of disaster carries with it a huge financial burden," said Tony Keane, Executive Director of NACE International. "The U.S. spends more than \$8.3 billion a year on the corrosion-related repairs of highway bridges."

The increasingly publicized problem is highlighted in "Highway Bridges," a paper commissioned by NACE Technical and Research Activities Committee (TRAC) and written by Dr. Hira Ahluwalia of Material Selection Resources, Inc.

NACE hired Ahluwalia to identify gaps in technology that would ultimately impact the reduction of corrosion costs for the industry. The analyst addressed five industry sectors, one of which was Highway Bridges. [Click here](#) to read the news release. [Click here](#) to read Dr. Ahluwalia's paper.

Do you have a story to tell?

We're looking for story ideas! If you have news to share with other NACE Calgary members, or have an idea for a story, send it to NACE News. Your contributions will help keep our newsletter fresh and interesting! Email us at:

naceneews@nacecalgary.ca.



NACE News is produced four times a year by the Executive Committee of NACE Calgary Section, in December, March, June and September.

To provide feedback or to submit an article or story idea, email:
naceneews@nacecalgary.ca.

Back issues of our newsletter can be found on our website at
www.nacecalgary.ca.