Feb 7, 2013 Dinner Meeting

Puget Sound American Welding Society is Proud to Host:

Material Processes and Quality Considerations for C12A castings

The power generation industry is looking for new materials that can withstand the higher temperatures needed to increase their efficiency. P91 (C12A cast name) was developed by Oak Ridge Nation Labs for use in nuclear power plants, especially BWR where steam temperatures are over 900F. This talk will focus on Material Processes and Quality Considerations for development of this new cast material including foundry issues, welding practices, keeping the nitrogen in solution, developing good microstructure and hydrogen embrittlement. These issues may be easy for pipe and wrought materials, which are typically less than 4” thick, but they are quite different for a foundry producing C12A castings that are over 8 inches thick.

Speaker
Elaine Thomas
Director of Metallurgy
Bradken Inc. (formerly Atlas Foundry)

Elaine Thomas has been a foundry woman for over thirty years working at the Bradken foundry in Tacoma (It was named Atlas Foundry for 103 years). She came to work at Atlas two years after graduating from WSU with a BS degree in Physical Metallurgy. Right after graduation, she worked as a research engineer on nuclear waste vilification at Battelle Labs in Richland Washington. Atlas is a jobbing foundry that makes steel and stainless steel sand castings. She works primarily with the melt shop and heat treating operations as well as being the manager of the chemistry and mechanical labs. Elaine has taught classes at south Seattle community collage off and on for about ten years. She has authored a number of technical papers. She is a past chairman of the Washington chapter of AFS (American Foundry Society).

TECHNICAL QUESTIONS

Bring your technical questions to the meeting (any subject) or write them there and leave at the registration table or hand to Stephen Pollard. They will be discussed and hopefully answered during the dinner hour.

PLEASE MAKE YOUR MEETING RESERVATIONS BY E-MAILING TO: AWSPUGETSOUND@GMAIL.COM OR, PHONING ASK FOR Donna Page at Airgas at +1 (206) 224-0430 BY TUESDAY FEBRUARY 5TH. REGULAR DINNER PRICE IS $30.00; STUDENT PRICE IS $15.00. PLEASE LEAVE YOUR PHONE NUMBER WHEN MAKING RESERVATIONS, IF YOU DO NOT PLAN TO HAVE DINNER, YOU ARE STILL WELCOME TO ATTEND THE PROGRAM. PLEASE LET US KNOW IF YOU WILL ATTEND. SUGGESTED ARRIVAL TIME IS 7:30PM.
SCHOLARSHIPS
The Puget Sound section awards scholarships to students enrolled in weld programs at local colleges. The funds for these scholarships are from donations from members and other interested individuals, businesses or groups to train welders. If you would like to help welding students receive training/certification, please contact Scholarship Chairman – Steve Nielsen. HM: (425) 259-3508 WK (425) 328-5661 E-MAIL: steven.t.nielsen@boeing.com or, The business office 425-226-7018, Leave message.

JERRY HOPE MEMORIAL SCHOLARSHIP
A scholarship program has been created in Jerry Hope’s name. Contributions made before the end of the year will be matched by the AWS Foundation. You may review a draft of this program by contacting Steve Nielsen. Contributions may be made to: JERRY HOPE MEMORIAL SCHOLARSHIP C/o the Jerry Hope Memorial Scholarship fund.

PUBLICATIONS:
To order publications: email your P.O. to awspugetsound@gmail.com or mail P.O.s and checks to AWS Puget Sound, PO Box 2923, Everett, Wa. 98213-2923. Call Dave Edwards if you need help: 360-661-1373. Members will receive the 25% member discount. A portion of the price goes to support your local section activities.

Need a publication in a hurry? The Section library is held by the Seattle Public Library. 1000 4th Ave. Technical Library on 7th Fl. Phone: 206-386-4623. Limited free parking in the

UPDATE YOUR EMAIL ADDRESS
In order to ensure that you receive all notices from the Puget Sound Section of AWS we need your Email address.

If you are a member, please log onto www.aws.org and go to “My Account”

If you are not a member and wish to be included on our mailing list please send a note to: awspugetsound@gmail.com
February 3-9 CWI Seminar and Test

Don’t forget the first week of February brings the CWI code clinic, seminar, and test for those registered to attend.

February 9 PSEC Fair at the Museum of Flight

Come join Grant Goldsmith, Rob White, and Arthur Schnitzer at the annual Puget Sound Engineering Council. Grant has done a fabulous job of obtaining the Virtual Reality Arc Welder trainer for our booth, so be sure to come down and check out the latest innovation in welder training.

2012 Year End Awards

Our board of directors will be discussing the various awards we can distribute. If you have a nomination or question please contact Jennifer Bernard, Awards Chair, or any of the other board members. We will discuss and, when applicable, fulfill the requirements to acknowledge the individual. There are both Sectional and National Awards we can elect people for. Lets encourage one another by giving someone the spotlight for a night, as well as an addition to their professional portfolio.
Congratulations to our latest Sectional Scholarship Recipients

Craig Stebbins – $500 Section Scholarship
Paul Jalbert – $500 Section Scholarship

Seattle CWI Seminar and Test coming up!

Seminar: February 3-8, 2013
Exam Date: Saturday February 9, 2013
Registration Deadline: December 31st, 2012

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Boy Scout Troop 29 all earned their welding merit badges thanks to the help from the Everett Community College Student Chapter

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