

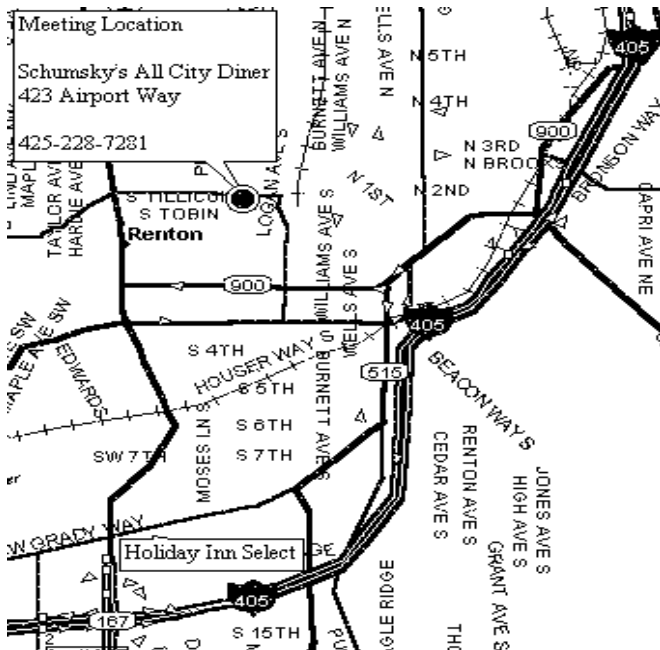
Northwest News and Notes

American Society of



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From I-405 south or north, exit at Rainier Ave., go north on Rainier Ave. to Airport Way and turn right. Go about 4 blocks, Diner is on the right.

MAY MEETING

Nominations and Elections

TOPIC: **Phased Array Ultrasonic Applications**
SPEAKER: TBD,
DATE: Thursday, May 13, 2004
DINNER: **\$15.00** dinner is Beef, Salmon or Chicken
TIMES: SOCIAL 5:30-6:00 PM
DINNER 6:00-6:45 PM
PROGRAM 7:00-8:00 PM
LOCATION: Schumsky's All City Diner
423 Airport Way
Renton, WA
(425) 228-7281

Would you or someone you know like to be a guest speaker at a section meeting? Is there a topic you would like to hear about? If so contact [Dave Hall](#)

Your advertisement could be in this newsletter. Contact [Dave Hall](#) regarding rates.



Emery E. Roberts
Secretary, Pacific Northwest Section
1807 S 118th #202
Seattle, WA 98168

RETURN REQUESTED

Mailing label

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Section Officers

For term June 1, 2003 to May 31, 2004

Chairperson

Dave Hall
L and W Research
Work Number: 206-619-2848

Vice Chair

Dave Hall
L and W Research
Work Number: 206-619-2848

Secretary

Emery E. Roberts
Professional Service Industries, Inc.
Work Number 206-282-0666

Treasurer

Lynn Graham
MPM Products
Work Number: 253-813-1811

Directors

Dave Odgaard
Cascadetekk

Bob Swisher
Caliber Inspection

Dale Morgan
Caliber Inspection

Gary Smith
The Boeing Company

Bill Meade
The Boeing Company

Mark Marlow
Caliber Inspection

Flynn Spears
ICSENDT

TJ Peraza
Cascadian Technologies

Past Chairman

Clive Graham
Western Pneumatic Tube
Work Number: 425-822-8271

Awards Chairperson

John Deboo
Boeing Airplane Company

Section Web Site

<http://www.asntpnws.org/>

SECTION NEWS

Electronic Newsletter Distribution

We would like to stop sending you paper copies of the monthly newsletter. Please send email to secretary@asntpnws.org so you can be removed from the paper newsletter mailing list. Include the following information:

1. Name
2. The fact that you want to stop getting the paper copy
3. Email address to receive email copies only.

Most company email servers will not accept email unless it has a specific address such as you@server.com.

If your E-mail address has changed, please E-mail the changes to the Chapter's Sec. at secretary@asntpnws.org.

EMAIL UPDATE

The member database on the section web site is once again fully functional. Please update your email address at the [section web page](#) by choosing member data base and details, also update your [member profile at headquarters](#).

LEVEL III CERTIFICATES

Certificates are available at each meeting to document your meeting attendance for Level III renewal points. See an officer for details.

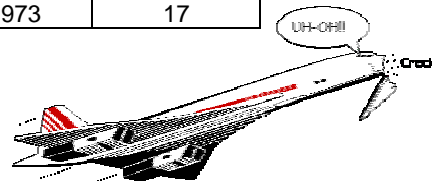
ASNT FELLOW AWARD

Fellow	Service Year	Section Year
Jim Pellicer	2004	48
Flynn Spears	2003	47
Steve LaRiviere	1999	43
John DeBoo	1995	39
Richard Bossi	1992	36
Joy Odell	1991	35
Arvin Morrow	1989	33
Alfred Lucero	1989	33
Dennis Evans	1988	32
Richard McGuire	1987	31
Clinton Schneer	1987	31
Jim Waddilove	1987	31
Lloyd Lamb	1986	30
Martin Gans	1985	29
Robert Bell	1984	28
Wayne Woodmansee	1983	27
William Weed	1983	27
Charles Raatz	1982	26
Roy Odell	1982	26
George Ansley	1981	25
Harold Pinsch	1980	24
Clyde Denton	1980	24
William Kitson Jr.	1979	23
Harold Hovland	1973	17

A Fellow of ASNT is an individual member of the society who has demonstrated outstanding professional distinction and who has made continued significant contributions to the advancement of NDT in areas such as management, engineering, science, education, administration or planning.

Jim Pellicer of The Boeing Company has been selected as ASNT Fellow, Class of 2004. His award will be presented at the ASNT Fall Conference in Las Vegas, Nevada November 15-19, 2004.

Jim joins the list of Fellows from the section.



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OTHER EVENTS – 2004

- MAY 9-11 **NDT in the Heartland:** An Aerospace Perspective, Hyatt Regency Wichita, Wichita, Kansas. Contact **ASNT** at kwise@asnt.org.
- JUNE 7-8 **International Workshop on Electromagnetic Nondestructive Evaluation (ENDE 2004)**
East Lansing, Michigan <http://www.egr.msu.edu/apps/ende2004/>
- JUNE 19-24, 2005 **The Third US-Japan Symposium on Advancing Applications and Capabilities in NDE**
The Third US-Japan Symposium on Advancing Applications and Capabilities in NDE (JSNDI) will be held in Maui, Hawaii, 19-24 June 2005. <http://www.irrsp.net/events/conferences/jsndi05/abstracts.pdf>
- JUL 11-15, 2005 **International Conference on Textures of Materials - ICOTOM 14**
Leuven, Belgium <http://www.icotom14.com>
- JULY 25-29 **2004 ASME/JSME Pressure Vessels and Piping Division Conference**, Hyatt Regency La Jolla at Aventura, San Diego, CA <http://www.asmeconferences.org/pvp2004/>
- JULY 25-30 **31st Annual Review of Progress in Quantitative Nondestructive Evaluation**
Colorado School of Mines, Golden, Colorado <http://www.cnde.iastate.edu/qnde/qnde.html>
- AUG 29-SEP 2 **12th International Conference on Experimental Mechanics**
Politecnico di Bari, Italy <http://www.icem12.poliba.it>
- AUG 30 - SEP 3 **16th World Conference on Nondestructive Testing**, Montreal, Canada,
<http://www.wcndt2004.com>
- SEP 8-10 **1st International Conference "From Scientific Computing to Computational Engineering"**
Athens, Greece <http://ic-scce.upatras.gr/>
- SEP 14-17 **Structural Materials Technology (SMT): NDE/NDT For Highways and Bridges**, Buffalo Hyatt Regency, Buffalo, New York. Contact **ASNT** at kwise@asnt.org. See [Call for Papers](#), [Online Abstract Submission](#), [Invitation to Exhibit](#).
- NOV 14-19 **ASME International Mechanical Engineering Congress and R&D Expo**, Anaheim Hilton, Anaheim, California featuring a symposium for [Nondestructive Evaluation Techniques for Damage Characterization and Remaining Life Estimate](#) (choose Technical Program, Call for Papers, Non-destructive Evaluation)
- NOV 15-19 **ASNT Fall Conference and Quality Testing Show**, Riviera Hotel, Las Vegas, Nevada. Contact **ASNT** at kwise@asnt.org. See [Exhibitor Prospectus](#) and [Exhibitor Contract](#).

SECTION PHOTO COLLAGE

Anyone that has any old photos of past local ASNT people/functions or anything that may be interesting for a section photo collage, please contact [Lynn Graham](#). She would like to put together something nice for the section and is asking for your help in doing so. Thanks very much. Lynn can be reached at (253) 813-1811.

NEWSLETTERS

We are looking for past newsletter/meeting notices for any year for inclusion on the web site. Of particular interest are those edited by Mr. Harold Pinsch. If the section can borrow them for scanning purposes please contact a board member.

PRESIDENT'S POINTS

The Pacific Northwest Section has a current point total of 7,750 points through the third quarter of a possible 12,500 for the year putting the section in 4th place of participating sections.

NEWSLETTER ADDRESS LABEL

The first line of the address label contains the member number followed by the expiration date of membership for that number.

Elections are coming

Who you would like to represent the section? Nominations are being accepted by Section officers or board members and will be voted on at the May meeting. Please contact the nominee to verify that he/she is willing to accept the nomination. Generally officers move up the chairs. Nominations are open for Chairman, Vice-Chairman, Secretary, Treasurer, and three directors (each serving a 2 year term of office).



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Section Web Pages

ASNT Section

[Alaska Section](#)
[Central Florida Section](#)
[Central Savannah River Area Section](#)
[Charlotte, North Carolina Section](#)
[Chattanooga, Tennessee Section](#)
[Chicago, Illinois Section](#)
[Oklahoma Section](#)
[Colorado Section](#)
[Golden Gate Section](#)
[Hawaii Section](#)
[Houston, Texas Section](#)

ASNT Section

[Lewis & Clark Section](#)
[Metro New York - Northern New Jersey Section](#)
[Mowhawk-Hudson Section](#)
[New Orleans Section](#)
[North Atlantic Section](#)
[North Texas Section](#)
[Pacific Northwest Section](#)
[Pittsburgh, Pennsylvania Section](#)
[San Diego, California Section](#)
[South Texas Section](#)

WEB LINKS

Nondestructive Testing Management Association (NDTMA) <http://www.ndtma.org>
Center for Nondestructive Evaluation
at Iowa State University <http://www.cnde.iastate.edu/Default.htm>
Center for Nondestructive Evaluation & Applied Technology
at John Hopkins University <http://www.cnde.com/>
Personnel for Quality and Nondestructive Testing, Inc (PQNNT) <http://www.pqndt.com/>
Sonotech, Inc. <http://www.sonotech-inc.com/>
Inspection jobs.com <http://www.inspectionjobs.com/>
NDT Mall <http://www.NDT-Mall.com/>
ASNT Job Market..... <http://www.asnt.org/marketplace/jobs.htm>
NDT at Ridgewater College <http://www.ndt-hutch.com>
Business Communications Company (Stay up to date on new technology)
..... <http://www.buscom.com/letters/ndtpromo/ndtpromo.html>
NDT Resource Center <http://www.ndt-ed.org>
ASME, local chapter <http://www.asme.org/sections/westernwa/>
ASM, local chapter <http://www.asm-pugetsound.org/>
AWS, local chapter <http://aws.org/sections/pugetsound/startpage.htm>
If you have a favorite site related to nondestructive testing please [submit it](#).

MEETING DATES

Below is a list of meeting dates, topics and speakers. Meeting date is the second Thursday of the month unless otherwise noted. In case of last minute changes be sure to check the section website at <http://www.asntpnws.org/>.

Future Meetings are on the second Thurs. of each month unless noted otherwise.

Date	Topic, Speaker, Company
Sept. 8 th	NDT in South America, Jim Pellicer, The Boeing Company
Oct. 9 th	Acoustic Emission Basics, Peter Don, Physical Acoustics
Nov. 20 th	High Energy Applications of RT in Homeland Security, Dave Hall, L & W Research AGFA
Dec. 11 th	Christmas Party
Jan. 8 th	Industry tour to AMEC
Feb. 5 th	NDT Expo at the Museum of Flight
March 20 th	Radiation Safety Refresher Seminar
April 1st	Joint meeting with AWS, Radiographic Technology
May 13 th	UT Applications & Elections
June	Spring Social/Annual Picnic
July 11 th	Annual Golf Tournament & Executive Board meeting
August	Executive Board meeting

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MORE SECTION NEWS

The [section web site](#) contains two surveys and a member database. A [membership survey](#) is about general section operations and meeting dates. An [educational survey](#) asks for your input on which educational topics are best suited for our membership. Please take a few minutes to complete these surveys to provide input for the board. They do get looked at so your input is important in deciding which direction the section travels.

MEMBERSHIP DATABASE

Also located on the section web site. Keep your information up to date in order to get the latest newsletter and other information.

MEMBERSHIP RENEWAL

For renewals within 6 months of expiration use the form at

<http://www.asnt.org/membersonly/forms/individmrenew.ihtml>

If your membership expired more than 6 months ago, please use the form at

<http://www.asnt.org/membership/forms/individualmema.ihtml>.

WELCOME NEW OR RENEWED MEMBERS

Dr Donald A Bender, Mr. Carsten C Nelson, Mr. David Lykken, Mr. Donald Colberg, Mr. Doug Mellor, Mr. James D Kronewitter, Mr. James E Cox, Mr. Jason Lund, Mr. Jim C Reid, Mr. John Bangsund, Mr. John K Kirchhofer, Mr. Michael D Gould, Mr. Pete P Torelli, Mr. R Aaron Falk, Mr. Rick A Ingram, Mr. Robert Baleisis, Mr. Steven V Rush, Mr. Tom R Moore

PAST EVENTS

On April 1, 2004 the Pacific Northwest Section of ASNT and the Puget Sound Section of AWS met for a joint meeting at the Rock Salt Steak and Seafood House in Seattle, WA. The forty attendees included 17 from the Pacific Northwest Section who enjoyed a beef steak or salmon dinner prior to the speaker for the evening Mr. John A Pursley, founder of Envision. Mr. Pursley spoke on DIGITAL INNOVATIONS IN GAMMA AND X-RAY IMAGING, specifically CMOS (complementary metal oxide silicon) Digital Radiography. The various systems have an energy range of 20 kev to 10 mev. He indicated that currently approximately 30% of the exposures taken with CMOS radiography are code (ASME, ANSI, AWS and proprietary) related and 70% are informational (baggage and cargo screening, foreign object detection). The 2004-2005 program year will see another joint meeting. The next meeting of the Pacific Northwest Section of ASNT will be May 13, 2004 for Ultrasonic Applications and election of officers. This was not an April Fools joke either. Thank you to all who attended and especially to the speakers for making this event a success.

The names of all attendees were gathered in the guest book for the year-end cash drawing. The 30 dollar door prize is being contributed to an accumulative pot that has the name of attendees at each meeting entered. So the more meetings you attend the better your chances are at winning the pot at the end of the year. (\$30 x 8 = \$240!. If we have more than 8 meetings the pot grows that much more. Better odds than the lottery!). Anyone interested in assisting any committee, please contact a board member.

YEAR BOOK

Member names and addresses are a yearbook requirement. Unless the address of the member is specifically authorized for inclusion it will not be published. In preparation for the 2004-2005 section yearbook a request is being made for inclusion of your address in the yearbook. If you do not wish your address published, do nothing. If you do send a message authorizing your address publication to yearbook@asntpnws.org. If you are interested in serving on the yearbook committee please use the Member Survey form on the section web page at <http://www.asntpnws.org/> or contact any board member.

The 2003-2004 YEARBOOK is available on the section web site at <http://www.asntpnws.org/newsletters>

AWARDS

Mark Marlow of Caliber Inspection has been nominated for Technician of the Year, 2004.

Jim Pellicer of The Boeing Company has been selected as ASNT Fellow, Class of 2004.

Message from the President: "I'd like to thank those of you who were involved in this process and gave your time to prepare these great packages. I'd also like to again congratulate the nominees and let them know that whether they are selected or not, the section appreciates their service and professionalism and considers them both winners!" Congratulations on your nomination, it is well deserved!



NONDESTRUCTIVE EVALUATION AT JOHNS HOPKINS UNIVERSITY

Modern nondestructive evaluation (NDE) encompasses all aspects of materials production and application ranging from sensors for process control, through measurement science for microelectronics, to techniques for optimization of life cycle management and life extension.

The Johns Hopkins University has had a long and distinguished history in measurement research, starting with Professor Rowland's development of his diffraction grating ruling engine, and carrying through to today's fundamental work in the science and technology of measurement undertaken in the University's divisions of Engineering, Arts and Sciences, Medicine, and the Applied Physics Laboratory. The Johns Hopkins University Center for Nondestructive Evaluation (CNDE) was established in 1984 as an interdisciplinary center for research and instruction, drawing on the resources and talent of the School of Engineering, the Applied Physics Laboratory, and the School of Medicine. The NDE techniques developed and employed are especially useful to control and improve product quality in manufacturing processes and to assure the highest level of reliability for materials, parts, and products.

The CNDE is dedicated to research which will lead to more sophisticated and accurate methods for the nondestructive evaluation of materials and systems and to the education of talented students who will enter the NDE field. The Johns Hopkins University School of Engineering has a record of developing innovative NDE techniques and is proud of the fact that more engineers who are now working in the NDE field have received graduate training at Johns Hopkins than at any other university in the world.

Nondestructive evaluation is extremely diverse and multi-disciplinary, involving the fields of applied physics, artificial intelligence, biomedical engineering, computer science, electrical engineering, electronics, materials science and engineering, mechanical engineering, and structural engineering. Since the Johns Hopkins University was in a unique position to provide the interdisciplinary talent required to support a Center for Nondestructive Evaluation of international stature, the Whiting School of Engineering spearheaded its establishment in order to coordinate and provide a focus for the significant number of discrete NDE research activities being pursued within the various divisions of the university and to respond to the increasing national need for first-rate research, development, training, and technology transfer in this critical technology.

The CNDE provides both research collaborators and industrial sponsors with a common "access port" to all NDE research and instruction at The Johns Hopkins University. While broad industrial support for CNDE activity has been sought, the CNDE has, at the same time, exercised discretion in extending invitations for membership. As a result, the CNDE currently enjoys the active support of sponsoring organizations whose representatives serve in an advisory capacity to help the CNDE pursue its goals of advancing the technology and the role of NDE in product manufacturing and use. In addition to the support received from its sponsoring members, the CNDE benefits from strong collaborative ties with government and academic facilities and with private industrial concerns of all sizes. These ties have been established and are maintained through joint research programs where CNDE researchers work in close contact with the collaborating organization. This strong collaborative support is evidence of the critical importance of NDE research and education for industrial and defense manufacturing, for government science and technology programs, and for the collective excellence of the research groups working in and for the Johns Hopkins CNDE.

AN OVERVIEW

Although historically nondestructive techniques have been used almost exclusively for detection of macroscopic defects (mostly cracks) in structures after they have been manufactured or placed in service, it has become increasingly evident that it is both practical and cost effective to expand the role of nondestructive evaluation (NDE) to include all aspects of materials production and application and to introduce it much earlier in the manufacturing cycle. In fact, the recovery of a large portion of United States industry from severe economic problems is dependent, in part, on the successful implementation of this expanded role for NDE.

Currently, efforts are directed at developing and perfecting techniques which are capable of monitoring and controlling the materials production process; materials stability during transport, storage, and fabrication; and the amount and rate of degradation during the materials in-service life. To be more precise, the role of NDE has expanded far beyond its historical mission of detecting macroscopic defects in structures and components which had already been constructed and most often had been in service for an extended period of time. Today, using advanced sensors and modern measurement technology, along with signal/data processing techniques, information on the processing conditions and the properties and characteristics of the materials being processed can be continuously generated. Real-time process monitoring for more effective and efficient real-time process control and improved product quality and reliability now becomes a practical reality.

The optimization of the processing and properties of polymers, ceramics and composites, the development of synthetically structured materials, the characterization of surfaces and interfaces, the growth of perfect electronic and optical crystals and films, and in all cases, the structures, devices and systems made from these materials demand the innovative application of modern nondestructive materials characterization techniques to monitor and control as many stages of the production process as possible.

Simply put, intelligent manufacturing is impossible without integrating modern nondestructive evaluation into the production system. What was once a nonsystematic collection of ex-post-facto techniques has become a powerful set of tools that, used throughout the manufacturing process, can help to transform American manufacturing and make its products more competitive with those of foreign suppliers.