July’s normal meeting has been postponed in favor of a board meeting. Board meetings are open to the public. Please join us for discussion about the needs and future of our section on July 19th, 6:30 PM, at Fired Pie in Phoenix.

Agenda:
- Officer reports:
  - Chair
  - Vice-Chair – SLC, Yearbook, Social Media, Programming
  - Treasurer – Financial report, Advertisements
  - Secretary
- 2018-2019 Officer nominations and voting
- Tax law compliance:
  - By laws require updating
  - Incorporation in order to comply with tax laws
  - Obtain recognition as exempt organization
  - File 990N
- President’s Award Status
- Programming for 2018-2019
  - September’s meeting on IOOF Skeletons - ASU involvement
  - November Holiday Gas Light Dinner
  - January Vendor’s Night
  - March Friends and Family
  - Social vs Technical meetings
  - Adding technical workshops quarterly
- Video recording/live broadcasts of presentations
- Community involvement
  - Schools
  - Women's shelters

Please find the time to reach out to our sponsors with business opportunities when able, or refer others to use their services. We’d like for all of our sponsors to get an excellent return on their advertising!
2018 Local Networking:

ASNT – ARIZONA WEBSITE:  www.asnt.org/phoenix
AWS:  http://awssection.org/arizona
Meetings held the 2nd Wednesday, location varies. Visit website for details.
ASQ:  https://asqphoenix.org/
Meetings held the 2nd Thursday, usually held at Edward Jones Training Facility in Tempe. Visit website for details.

NEWS from ASNT HQ

SMT and NDT-CE
NOE/NDT for Structural Materials Technology for Highway and Bridges (SMT) and
International Symposium on Non-Destructive Testing in Civil Engineering 2018
August 27 – 29, 2018  Hyatt Regency New Brunswick, New Brunswick, NJ

ASNT ANNUAL CONFERE
NEW DAYS! Sunday–Wednesday
October 28 — 31, 2018  George R. Brown Convention Center, Houston, TX

SECTION OFFICERS
(Click our names to e-mail us)
Chairman:
Mike Childers
Vice Chairman:
Dawn Lynn
Treasurer:
George Hopman
Secretary:
Rob Mock
Director of Membership Committee:
Matthew Reading
Director of Education Outreach:
Dawn Lynn
Please provide current e-mail information to Dawn Lynn and Mike Childers to avoid missing your copy of the ASNT AZ Chapter Monthly Newsletter and Updates.

LOCAL SOCIETIES WEBLINKS
ASNT | ASNT – AZ Section | AWS – AZ Section | AWS AZ Facebook

ANNOUNCEMENTS, MEETINGS & EVENTS

Vendor’s Night has been moved to January 2019 to allow for better scheduling and interest.

Our treasurer will be stepping down this year, and would need a volunteer to step up and be nominated. Please submit your interest to our board members.

Thanks to all of you for being part of our ASNT Section, we greatly appreciate your membership in our Arizona Section, and for being an important part of the ASNT family! Some of our upcoming speakers and events:

- Robert Mock of Chromalloy with his presentation on “Aviation Accident Cause Factors”. (July, August, October, or November 2018)
- Dr. Angela Bond, Arizona State University, topic TBD. (August or October 2018)
- Annual SW Gas Gaslight Holiday Dinner. (November 2018)
- Vendor’s Night. (January 2019)

Interested in Presenting at a Section Meeting?
Contact Dawn Lynn and provide us with a brief description of your presentation, and your contact information.

Dawn Marie Alapisco, of Oregon State University with her research presentation from the Atlas Obscura on the skeletons found at IOOF lodges. (Confirmed for September 2018)
January 17th, 2019 will be Vendor’s Night!

Come show off your products and services to the rest of the community! This is an excellent opportunity to network with companies across Arizona in multiple industries from Aerospace, Military & Defense, Oil & Gas, Energy, Semi-Conductor and more!

Space is limited so please rsvp your booth by September 1st, 2018 (dlynn@uct.com).

Booth: $150.00.

If your company is able to donate raffle items as well, booth cost will be $120.00.

If our company has sponsored a dinner during 2018, booth cost will be $50.00.

Vendor’s Night has been moved to January 2019 to better accommodate our community members, and will be set for January on an annual basis.

March 21st, 2019 will be the second annual Friends and Family night!

We are starting to plan this now, and hope for an even bigger turn out for 2019. We will have more hands-on stations for demonstration, raffles, and games!

New for next year, we will be putting together an “Escape Room”. Your team will need to utilize NDT knowledge and creative problem solving skills to escape the room before time runs out for bragging rights and a prize!

Job Opportunities

Found from the internet:

Mistras Group, Phoenix, AZ is hiring for trainees.

CTS International, Mesa, AZ, is hiring for Lvl 2’s in UT and RT.

Precision Aerospace, Phoenix, AZ, is hiring for Lvl 2 in PT.

WTI, Phoenix, AZ, is hiring an NDT trainee.

If you have a job opportunity you would like to have shared with the ASNT community, please contact Dawn Lynn to have it added.

YOUR ADVERTISEMENT HERE!
A huge thank you to Kenny Greene, President of Warrior 2 Inspector for being our speaker for June 2018!

Roughly a dozen people attended for the presentation on: “From Aircraft Wings to Pipeline Right-of-ways with 3D Ultra-precision Metrology”.
Day One: Breakfast at the ASNT International Service Center (left), followed by opening meeting at the ASNT Center for Excellence (right).

Day One: On the bus heading out (left). Secretary Robert Mock looks just thrilled I dragged him with me (center). John Moran from Don Casters in Connecticut couldn’t believe who my father was (I got that a lot from those who didn’t know) (right).

Day Two: President’s Award and Reporting being discussed. Watch out for those Canadians, they are trouble-makers! I was moved to their table day two. Hummm... (left). On the bus to Sports Ohio for dinner and fun after two days of informational overload (right).
2018 Section Leaders Conference Attendees.

Women of the 2018 Section Leaders Conference.

Up to bat! Robert Mock and Dawn Lynn, try out the batting cages before dinner at Sports Ohio.
Photo above: Current Arizona section members George Hopman, Mark Bloodgood, and Doug Lynn (left to right), from the 2001 “Stump the Experts” event. This photo was shared with us at the conference. They had hair! Well, most of them.

Letter from the Vice-Chair, Dawn Lynn:

The conference was a success. Leadership from twenty-nine sections representing seventeen regions from four different countries attended. We came back with a lot of information on how to better run the section for our members. We also have a lot of work to do to behind the scenes to keep our section compliant and active on the charters.

We need help. If you want to be a part of section leadership, please let us know. Aside from the officers, we have many chairs open and available that we need volunteers for. At the moment, there are only four of us, and we are losing our secretary, George Hopman, after many years of dedicated service to our community, ASNT, and our industry. If you want to volunteer, we can find a spot for you based on how much time you have to give.

I was able to share details on our Friends and Family event with the other sections across the world that joined us, and it was very well received. Other event ideas came from the discussions and workshops that we are excited to bring back to you.

In the coming months, we will be sharing with you some of the changes we will be making to better serve our community. If there is something you’d like to see addressed, please let us know.

Thank you!
Dawn Lynn
Vice-Chair
ASNT Arizona Section
The American Advanced Technical Academy (AATA) is a Los Angeles-based 501c3 nonprofit. AATA's mission is to bring high quality basic and advanced NDT training to the industry at a price that is affordable; so everyone especially veterans, women, minorities and disenfranchised individuals can take advantage of the great professional opportunities offered in Non-Destructive Testing (NDT). AATA students receive Level I and Level II training in Radiography, Magnetic Particle, Penetrant, Ultrasonic Testing, UT Phased Array and Visual Testing, in addition to training in Computed Radiography and Radiation Safety with a foundation in NDT Math.

The AATA was founded when John Stewart decided to dedicate himself full-time to helping economically disadvantage and veterans struggling with poor job prospects secure fulfilling careers in his field. Stewart, who over the course of his twenty-year career in NDT has trained technicians for companies such as SpaceX, Goodrich Aerospace and Northrop Grumman, believed that by addressing inadequate STEM opportunities, one could empower youth and returning military veterans to fill the shortage of NDT professionals in many of California’s booming industries. AATA would like to thank these companies for their support, in-kind donations, and for continuing to partner with us by hiring our students.

AATA also offers Online Training for those who cannot travel.
The American Society for Quality (ASQ) is a global community of people dedicated to quality who share the ideas and tools that make our world work better. With individual and organization members around the world, ASQ has the reputation and reach to bring together the diverse quality champions who are transforming the world’s corporations, organizations and communities to meet tomorrow’s critical challenges.

- ASQ provides the quality community with training, professional certifications, and knowledge.
- Headquartered in Milwaukee, Wisconsin, USA, ASQ champions people passionate about quality in more than 140 countries.
- Meetings are held the 2nd Thursday of each month at the Edward Jones Training Facility: 8333 South River Parkway, Tempe, AZ 85284.
- Cost: All meetings are free and open to the public.

Please be sure to visit ASQ at https://asqphoenix.org/ to learn more.

AWS District 21 serves Arizona, California Central Coast, Hawaii, Kern, Long Beach/Orange County, Los Angeles / Inland Empire, Nevada, San Diego, and San Fernando Valley.
NEWSLETTER

New Developments in Bond Testing

NDT Custom Programming & Applications Engineering, LLC

2/27/2018

About Us
NDT Custom Programming & Applications Engineering, LLC provides custom engineering solutions and NDT specialty software designed to cater to industrial, service, research and academia applications.

Product Customization
Our software products are designed to accommodate high degree of customization. We are able to address a wide range of customer’s needs and requirements. The software and applications are designed for easy use by NDT technicians, engineers, researchers, and academia.

The “unexplainable” very strong reflections from diffusion bond interfaces, which are not necessarily associated with unacceptable bond quality are explained by the sound amplification resulted from negative acoustic impedance of bond interface.

- Aerospace
- Electronics/Semiconductors
- Electronics Consumables
- Automotive
- Power Generation
- Foundries & General NDT

Technology
Our software is designed by using mathematical and DSP methods, which are applied to data interpretation and data analysis. The software can be coupled with data acquisition system of any portable or large industrial equipment furnished with digital data output.

Industries Served:
Testing of Diffusion Bonds becomes easier

Acoustic impedance analysis of bonded interfaces

You can easily distinguish between “questionable”, or weak, and good diffusion bonds by performing acoustic impedance analysis of bonded interfaces by using methodology and software developed by NDT Custom Programming and Applications Engineering, LLC.

This application uses acoustic circuit-style analysis for evaluation of acoustic impedances of bonded interfaces. The analysis uses known ultrasonic responses from all test body interfaces including front, bond(s), and back wall boundaries collected by pulse-echo technique. Measured echo amplitudes and phases are incorporated into a computational routine describing propagation of ultrasound through entire test body. The routine is built into the software, which calculates “effective” acoustic impedances of all components of acoustic circuit including bond interface(s). Application reveals very strong correlation between negative acoustic impedance of bonds with some very strong, but not necessarily associated with weak bond, ultrasonic response.

The application provides a clear distinction between good and bonds with similarly strong bond interface reflections derived from assessing bond acoustic impedances.

For more information please visit www.ndtcustomsoft.net or contact us by phone 614-779-9482 / e-mail info@ndtcustomsoft.net

NDT Custom Programming & Applications Engineering, LLC

Alex Leybovich

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NDT Training, Scheduled courses for January – December 2018

Greatly Expanded Schedule of Classes for 2018

We will be Scheduling WEEKEND TRAINING COURSE please contact Cathy for dates

NDT Level I and II Courses

Magnetic Particle Level I/II SNT-TC-1A
(24 hours) $645
January 22-24, March 5-7, April 9-11, April 30-May 2, July 15-18, August 6-8, September 10-12, December 3-5

Penetrant Level I/II SNT-TC-1A
(18 hours) $695
January 25-28, March 8-9, April 12-13, May 3-4, July 19-20, August 9-10, September 13-14, December 6-7

Ultrasonic Testing Level I
(40 hours) $1295
January 8-12, March 12-16, April 16-20, May 7-11, July 23-27, August 13-17, September 17-21, December 10-14

Ultrasonic Testing Level II
(40 hours) $1295
January 15-19, March 19-23, April 23-27, May 14-18, July 30-August 3, August 20-24, September 24-28, December 17-21,

Radiation Safety (IRRSP Preparation)
(40 hours) $1295 (Approved by State of CA)
January 29-February 2, June 4-8, October 1-5

Radiography Testing Level I
(40 hours) $1295
February 5-9, June 11-15, October 8-12

Radiography Testing Level II
(40 hours) $1295
February 12-16, June 18-22, October 15-19

Film Interpretation (40 hours) $1295
TBA

Eddy Current Testing Level I (40 hours) $1295
March 26-30, October 22-26

Eddy Current Testing Level II (40 hours) $1295
April 2-6, October 29-November 2

Visual Testing Level II (24 hours) $845
January 3-5

Phased Array Training
These are Level I and II UT PA courses to meet the SNT-TC-1A (2011) certification requirements

Introduction to Phased Array, (16 hours) $1195
February 19-20, November 5-6

Ultrasonic Phased Array Level I (SNT-TC-1A) (40 hours) $1995
February 19-23, November 5-9

Ultrasonic Phased Array Level II (SNT-TC-1A) (40 hours) $1995
February 26-March 2, November 12-16

Ultrasonic Phased Array Composite Inspection
New for 2018 (40 hours) $1995
September 4-7

Back for 2018, Scheduled.
ASNT NDT Level III Examination,
Refresher Courses

Basic Level III – Includes text book package
worth over $300 (40 hours) $1395
May 21-25

Eddy Current Level III (24 hours) $995
August 27-31

Visual Testing Level III (16 hours) $755
November 27-28

Magnetic Particle Level III (16 hours) $795
September 4-5

Penetrant Level III (15 hours) $795
September 6-7

Radiography Level III (24 hours) $995
July 9-11

Ultrasonic Level III (40 hours) $1395
June 25-29

Additional “Ad Hoc” NDT Training Courses

Please call for dates for the below courses

Magnetic Particle Level II NAS 410 (32 hours) $1195
Penetrant Testing Level II NAS 410 (32 hours) $1195
Ultrasonic Thickness Testing (40 hours) $1295
Digital Radiography Testing (40 hours) $1995
Eddy Current Array Aerospace (40 Hours) $1995

Back for 2018

CWI Examination Preparation Course (40 hours) $1595
Note: This will be scheduled over 4 (10 Hour) Saturdays.

Qualification Examinations prepared, and administered, procedures written, level III outside agency services and contracts available.

Any of our courses can also be held at your facility just for your staff. Call for details

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