



ASNT
SAN DIEGO
SECTION

Between the Cracks

San Diego Section
American Society for Non-Destructive Testing, Inc.

NEWSLETTER - Vol. 8, Issue 8 April-May 2019

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San Diego Section

of the American Society for
Non-Destructive Testing, Inc.

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Science Fair Winners will be Speakers for May 7th, 2019

The winning projects were: **#900 "How are Magnets Affected by Temperature?"** This was a team effort by two 8th grade students from **Our Lady of Mount Carmel**. They were advised by **Juanita Pereyra. Sebastian'** comment on the **Abstract**: "We subject three types of magnets to cold and high temperatures, and measure the effect on their magnetic fields." **Carlos'** comment on the **Abstract**: "We are going to use 3 different types of magnets and subjecting them to heat and cold".

Sebastian Manzo and **Carlos Figueroa-Valdez**, both students knew the material very well.

The next winning project was: **#698 "Self-Driving Security Vehicle"**. This was also an 8th grade student from **Saint John School-Encinitas**. He was advised by **Gena Heins**.

Abstract: This project was formed because of my interest in lack of security. I wanted to really find out why crime was increasing and if there is a new way to implement security. Through research and testing, the hypothesis was proven correct. The vehicle design consists of a chassis, servo, electric motors, electric battery, sensors, and wireless security camera with motion detect. My procedures are: I designed the product to see a rough draft on what it should look like. I assembled the components of the security vehicle. I tested the product by building a course. I observed the self-driving security vehicle to see if it successfully navigates the course. I recorded data and any observations seen. I make any necessary changes needed to the design.

Nick Fonzo could speak very well and had much knowledge about his project. **Mr. Larry Olsen pointed out the impact that could be utilized in the NDT Field**. This was why his project was chosen. **Nicks** comment about the **Abstract**: "I can design and build a miniature self-driving security vehicle then it will patrol a designated area with video and audio because of its ability to drive on its own."

Meeting Details

Tuesday, May 7th, 2019

Social time 5:00-6:00 PM

Dinner 6:00-7:00 PM

Presentation begins 7:00PM in the "Lord Jim Room" of the Best Western Seven Seas' Restaurant.

BOD Meeting 8:00-8:45PM

411 Hotel Circle S, San Diego, 92108

Meals to include: Green Salad, rolls served in baskets, Dessert, Coffee, Decaf, Hot or Iced Tea.

The meal choices for the

May 7th meeting are: **Grilled Salmon** w/rice pilaf and vegetables or **California Chicken** w/rice pilaf and vegetables should you have special dietary need **Vegan** or **Vegetarian Plate** is available on request prior to meeting date.

Please leave message at **619-729-1631** or e-mail below:

poppydancer@gmail.com

Please RSVP by the end of business May 3rd, 2019, the Friday preceding the meeting with your intent to attend and meal choice.

www.bw7seas.com

Meeting Attendance at presentation only is no cost

Meeting Dinner Cost:

San Diego Section

ASNT Student Member,

Military and Retired Members: \$10.00

ASNT Members and Guests: \$25.00

Don't Forget This is the Meeting!

Year End

Cash Raffle \$250.00

will be drawn at the May 7th, 2019 Meeting. When you purchase a dinner you will receive a raffle ticket. The more meetings you attend the more possible tickets you will have to be entered into the drawing.

You must be present at the
MAY 7th, 2019 MEETING
to win.



Between the Cracks

Meeting Report for April 10th, 2019

April 10 2019 the San Diego Section hosted the 6th Section Technical Meeting of the 2018 – 2019 year. The meeting was held at the Seven Seas Lodge, 411 Hotel Circle South, San Diego, CA with 24 members and guests in attendance.

Our Speaker for the evening was Mr. Zeki Gokce

Mr. Zeki Gokce has been working in the advance NDT field for over 15 years including long and medium range ultrasonic testing. Zeki holds several ASNT Level III as well as BS and MS in Mechanical Engineering.



The Title for his talk is: **“A comparative study between different guided waves”.**

Mr. Gokce explained the various uses for guided wave inspection of piping applications. There were a number of questions on the principles and uses of guided wave inspection of pipe line applications and the limitations presented in configuration and the distance’s this application can be used for as a

measurement tool in including piping life cycle / predictive maintenance.

The Section thanked **Mr. Zeki Gokce** for his talk and presented him with a speaker gift and certificate of appreciation.

Monthly Raffle prizes were sponsored by David Waitt, Fuji Film, Phil Fetto BASF Chemetall, and the San Diego Section.

The Original Section Banner came back to San Diego. Pictured below are Mr. Ed E. Edgerton (1978-1979), Mr. Larry



Olsen(1998-1999,1999-2000, and 2013-2014), and Mr. Juan Diaz (1982-1983). All three are Past Chairmen of the San Diego Section. Thanks to Mr. Ed Edgerton for it’s return.

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2018-2019 Technical / Administrative Program

San Diego Section of the American Society for NDT, Inc.

2018:

September 4th: John Stewart, Executive Director of AATA, **“Evaluating the shortage of NDT Technicians in the USA”**.

October 2nd: Peter Cawley, CEO of Kimtron Inc., **“Total Cost of Ownership (TCO) of NDT X-ray Equipment”**.

October 28th-October 31st: ASNT Annual Conference 2018 at George R. Brown Convention Center / Houston, Texas.

November 6th: Dan Guerrero, Willick Engineering Company, Inc., **“Qualifying your CR System per ASTM 2445-14”**

December 4th: Mike Grubb, San Diego Sheriff Crime Lab **“A New Sheriff’s Crime Lab – and an Interesting DNA Case”** -Christmas Event-Spouse / Companion / Guest night: All spouses (significant others) will have dinner provided by the section. Each person in attendance to bring a wrapped white elephant gift (\$10.00 - \$15.00)

2019:

January 1st: (Dark-No Meeting-New Year’s Day)

February 5th: “Past Chairman’s Night”, Doug Burleigh; **“Infrared NDT in Aerospace and other applications of IR”**

March 5th: Dana DuToit or Ed Valigursky of Luna Inc. (Fiber Optic Systems)

April 10th: Zeki Gokce of Eddyfi **(Date Changed due to Research Symposium)**

April 1st - 4th ASNT 28th Research Symposium 2019. Hyatt Regency Orange County / Garden Grove, California

May 7th: **“Annual Science Fair Awards”** (NDT-related projects).

June (TBA) : Ramon Thomson, Change of Gavel

November 18 - 21 ASNT Annual Conference 2019 - Westgate Las Vegas Resort and Casino / Las Vegas, Nevada

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2018 - 2019 NDT Educational Opportunities

We have posted a list of potential training courses for the 2018-2019 year (August through June).

Please contact **Education Chair - Gary Bass** with your requests, which he will attempt to accommodate if we obtain sufficient volunteer instructors for **Saturday** lectures. Please note instructors are not paid; however, they get recertification points if they hold ASNT/ACCP Level III.

Contact: Education Chairman Gary Bass

Email - gbchulavista@AOL.com

Phone - 619-794-6118

Chairman Ramon Thomson

Email ramonjthomson@gmail.com

Phone 619-822-8185

BOD - sd-asnt@cox.net BOD contact # 619-444-2319

To promote the general advancement of the [NDT] industry;

- ♦ To educate the public in the area of nondestructive testing;
- ♦ To provide a forum for exchange of [NDT] technical information;
- ♦ To facilitate training, education and research in the [NDT] field;
- ♦ To engage in any and all lawful activities incidental to the foregoing purposes except as restricted herein.

Level I & Level II courses satisfy the requirements of SNT-TC-1A/NAS-410. **Non-member fees** (which includes a one-year ASNT membership). **24, 32, and 40-hour courses:** held **Saturdays, 8:00 to 5:00** unless facility or instructor availability are different.

- ♦ Visual/Dimensional Level I / Level II (24hrs)
- ♦ VT (24hrs) Members: \$425 Non-member: \$500
- ♦ Liquid Penetrant Level I / II (32 hrs)
- ♦ PT - I / II (32 hrs) Members: \$750 Non-member: \$825
- ♦ Magnetic Particle Level I / II (32 hrs)
- ♦ MT - I / II (32 hrs) Members: \$750 Non-member: \$825
- ♦ Ultrasonic Level I (40 hrs)
- ♦ UT - I (40hrs) Members: \$600 Non-member: \$675
- ♦ Ultrasonic Level II (40 hrs)
- ♦ UT - II (40hrs) Members: \$600 Non-member: \$675
- ♦ Radiography Level I (40 hrs)
- ♦ RT - I (40hrs) Members: \$600 Non-member: \$675
- ♦ Radiography Level II (40 hrs)
- ♦ RT - II (40hrs) Members: \$600 Non-member: \$675

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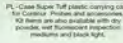
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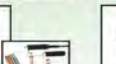
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CA-1000-OR portable magnetic separator unit. Model AC is available for AC only operation.



The Parker CA-1000-OR portable magnetic separator unit is available in either AC or DC for magnetic particle inspection. Current is set at arbitrary variable from zero to maximum, and is independent of a new digital LCD display.



B200-MR Contour Probe is a rugged high performance instrument for magnetic particle inspection. This unit provides a strong AC field and includes Parker's original handle leg design that allows the field to be "focused" in a precise area of inspection.



The B200-MR contains electronic circuitry that is sealed within the housing of the instrument. There is no electrical contact between the surface and internal circuit. This unit is rugged, portable, offers exceptional converter safety plus durability and is ideally suited for high resolution steel applications.



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Please Vote for the following people for the Board

VOTE, VOTE, VOTE

San Diego Section Board of Directors

San Diego Section Members of ASNT

This is a Call For your Ballot
of Officers and Directors for
2019– 2020.

The Electronic Ballot has been distrib-
uted in **April 2019** for your vote.

Nominations are published here and
placed on the electronic ballot.

Chair: Michael Diaz

Vice Chair: William Harris

Treasurer: William Harris

Secretary: Eric Roed

Director at Large: Rachel Gilmore

Director at Large: Cody Engstrand

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Hans Weber

Larry Olsen

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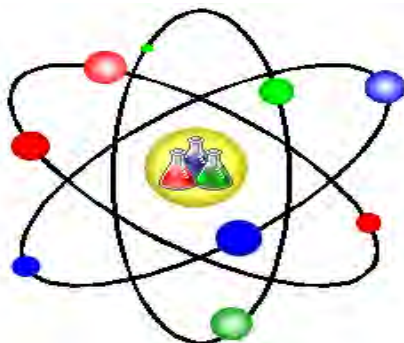
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Between the Cracks

Judges at Greater San Diego Science Fair



**Thank you to All the
Volunteers
Denise McKay, Larry Olsen,
and Sarah Olsen**

**who were able to be a Judge at the
Greater San Diego Science &
Engineering Fair**

**These people are faithful
and truly thanked by all.**

**There were others who signed up but,
couldn't make it due to their job.**



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Peter Pelayo
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NDT Training, Scheduled courses for January – December 2019

Greatly Expanded Schedule of Classes for 2019

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) \$845
February 4-6, April 1-3, June 3-5, August 5-7,
October 7-9, December 2-4

Penetrant Level I/II SNT-TC-1A
(16 hours) \$695
February 7-8, April 4-5, June 6-7, August 8-9,
October 10-11, December 5-6

Ultrasonic Testing Level I
(40 hours) \$1295
February 11-15, April 8-12, June 10-14,
August 12-16, October 15-18, December 9-13

Ultrasonic Testing Level II
(40 hours) \$1295
February 18-22, April 15-19, June 17-21,
August 19-22, October 21-25, December 16-20

Radiation Safety (IRRSP Preparation)
(40 hours) \$1295 (Approved by State of CA)
January 7-11, April 22-26, August 26-30

Radiography Testing Level I
(40 hours) \$1295
January 14-18, April 29-May 3, September 9-13

Radiography Testing Level II
(40 hours) \$1295
January 21-25, May 6-10, September 16-20

Film Interpretation (40 hours) \$1295
January 28-February 1, May 13-17,
September 23-27

Eddy Current Testing Level I (40 hours) \$1295
March 18-22, July 15-19

Eddy Current Testing Level II (40 hours) \$1295
March 25-29, July 22-26

Visual Testing Level II (24 hours) \$845
January 2-4, July 1-3, Sept 30-Oct 2, Nov 25-27

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
March 4-5, October 28-29

Ultrasonic Phased Array Level I (SNT-TC-1A) (40 hours)
\$1995
March 4-8, October 28-November 1

Ultrasonic Phased Array Level II (SNT-TC-1A) (40 hours)
\$1995
March 11-16, November 4-8

Ultrasonic Phased Array Composite Inspection
New for 2019 (40 hours) \$1995
July 8-12, November 12-15

Back for 2019, Scheduled, ASNT NDT Level III Examination, Refresher Courses

Basic Level III – Includes text book package worth over \$300 (40 hours) \$1395	Feb 25-Mch 1
Eddy Current Level III (24 hours) \$995	July 29-Aug 2
Visual Testing Level III (16 hours) \$795	September 4-5
Magnetic Particle Level III (16 hours) \$795	May 20-21
Penetrant Level III (16 hours) \$795	May 22-23
Radiography Level III (24 hours) \$995	May 28-30
Ultrasonic Level III (40 hours) \$1395	June 24-28

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 2019

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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