



ASNT
SAN DIEGO
SECTION

Between the Cracks

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

NEWSLETTER - Vol. 8, Issue 4 November 2018

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San Diego Section

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

sd-asnt@cox.net

Website:

www.sd-asnt.org

Christmas Party December 4, 2018

**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)**

Mr. Mike Grubb is the Speaker for December 4th, 2018

Speaker Mr. Mike Grubb from **San Diego County Sheriffs Department Crime Lab** is a 1975 graduate of the University of California, Berkeley, Forensic Science Program in the School of Criminology.

From 1975 to 1980, Mr. Grubb was a criminalist at the Institute of Forensic Sciences in Oakland, Calif.

In 1980 he moved to the Seattle area and went to work for the Washington State Patrol Crime Laboratory System, conducting casework in Trace Evidence, Firearms, Biology and Crime Scenes. Mr. Grubb became a supervisor in 1989 and eventually became the Crime Lab Director in Seattle in 1996.

In 1999, Mr. Grubb accepted the position of Crime Lab Manager at the San Diego Police Department Crime Lab, and was there 12 years before moving over to the Sheriff's Regional Crime Laboratory in December 2010.

He is a member of the American Academy of Forensic Sciences, the American Society of Crime Lab Directors, and the California Association of Crime Lab Directors. He is a former Chair of ASCLD/LAB, the international crime laboratory accrediting body.

Mike and his wife Debbie have three children and six grandchildren.

The title of his talk is; ["A New Sheriff's Crime Lab – and an Interesting DNA Case"](#). Since 1994 the Sheriff's Regional Crime Lab has been located in the old Clairemont Hospital, a building that is now 55 years old. Deterioration of the building led to approval by the Board of Supervisors to construct a new Sheriff's Crime Lab at the County Operations Center in Kearny Mesa. We moved into the new lab in August 2018. This will be a quick photo tour.

In 2013 a child molester was active in Escondido and San Marcos. He would enter homes in the middle of the night and fondle little girls. This presentation discusses a novel way of using DNA to detect who the perpetrator was.

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.**

Meeting Details

**Tuesday, December 4th,
2018**

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

December 4th meeting are:

London Broil w/ mashed
potatoes, gravy, and vegeta-
bles or **Grilled Salmon** Rice
Pilaf and vegetables *should you
have special dietary need* **Ve-
gan** or **Vegetarian Plate** is
available on request prior to
meeting date.

Please leave message at **619-
444-2319** or e-mail

below: sd-asnt@cox.net

*Please RSVP by the end of
business November 30th,
2018, the Friday preceding
the meeting with your intent
to attend and meal choice.*

www.bw7seas.com

**Meeting Attendance at pres-
entation only is no cost**

Meeting Dinner Cost:

San Diego Section

ASNT Student Member,

**Military and Retired Mem-
bers: \$10.00**

**ASNT Members and Guests:
\$25.00**



Between the Cracks

Call for Awards Nominations to the Board

The Section is looking for your nomination(s) for individuals who may meet any of the following:

Lou DiValerio Technician of the Year Award

The *Lou DiValerio Technician of the Year Award* acknowledges those ASNT members who are deserving technicians, to encourage their continued participation in the Society. Nominees for the award must hold a position of employment that corresponds to general guidelines similar to those described by Recommended Practice No. SNT-TC-1A for defining the primary duties and responsibilities of Level I and Level II technicians.

Fellow of ASNT

A *Fellow of ASNT* is an individual member of the Society who has 15 years NDT professional experience; 10 years ASNT membership and has supported the Society through contributions and participation at the local and/or national level. A Fellow must have demonstrated outstanding professional distinction, and must have made continued significant contributions to the advancement of NDT in areas such as management, engineering, science, education, administration or planning.

Mentoring Award

The *Award for Outstanding Mentor* was established to recognize those people in the Society working to encourage others to reach goals they may have otherwise not sought, and to offer the rest of the membership an example of what they could be accomplishing by acting as mentors.

Award for the Advancement of Active Military and Veterans in NDT

The *Award for the Advancement of Active Military and Veterans in NDT* recognizes individuals or organizations who encourages Active Military and Veterans to enter and thrive in the field of NDT, either through creation and/or implementation of programs that provide educational or career advancement opportunities in NDT that may not otherwise be available to Active Military and Veterans or through leading by example of how Active Military and Veterans can not only have a career in NDT but also contribute greatly to NDT, ASNT, and to creating a safer world.

Award for the Advancement of Women in NDT

The *Award for the Advancement of Women in NDT* recognizes individuals or organizations who encourage women to enter and thrive in the field of NDT, either through creation and/or implementation of programs that provide educational and/or career advancement opportunities in NDT that may not otherwise be available to women or through leading by example of how women can not only have a career in NDT but also contribute greatly to NDT, ASNT, and to creating a safer world.

Contact the Awards Committee Chair: Larry Olsen or any San Diego Section BOD member for further information on how to nominate any individual. Nominations must be sent to ASNT Headquarters and **postmarked by 1 January 2019**

Please note: All nominees must be sponsored by an ASNT Section, ASNT Council or ASNT National Committee.

ASNT's goal is to recognize the individual member who has taken the NDT/NDE career path and is dedicated to making the world a safer place. Please help to encourage our young ASNT members by nominating someone!

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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”, **TBD**

March 5th: Michael McGloin

April 9th: **Date Changed due to Research Symposium - TBD**

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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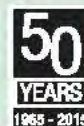
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2018 - 2019 NDT Educational Opportunities

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: Gary Bass Email - gbchulavista@AOL.com

Phone - 619-794-6118

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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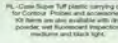
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Nondestructive Testing Training Course Radiographic Testing Level 1 & 2

Course curriculum will meet ASNT: SNT-TC-1A, ASNT CP-189 and NAS 410 requirements for classroom training.
Level 1 - 40 hrs. Level 2 – 40 hrs.

Class Location:

Chromalloy
7007 Consolidated Way
San Diego, CA. 92121

To Be Determined based on number of registered participants.

Instructor: Gary Bass/Ramon Thomson
Note: This class has been scheduled,
If interested in taking this class, see below for contacts.
RT Level 1 Registration Deadline is Nov 27, 2018.

Note minimum class size is 5

If this class is not filled by the registration deadline the RT Level 1 course will be rescheduled immediately.

Contact Information / Class Registration:

Gary Bass (619) 794-6118
gbchulavista@aol.com
Ramon Thomson (619) 822-8185
ramonithomson@gmail.com
Larry Olsen (619) 228-5449
e-mail: sd-asnt@cox.net

Level 1 Class Dates:

Date: Saturdays 07:00AM – 3:30 PM
December 8
December 15
January 5, 2019
January 12, 2019
January 19, 2019

Basic Outline of Course to be presented;

- Level 1
- * Introduction to Radiographic Testing
- * Types and Sources of Radiation
- * Radiation Safety
- * Radiographic Testing Principles
- * Radiographic Equipment
- * Radiographic Film Processing
- * Radiographic Artifacts

A detailed course outline will be provided as part of the final documentation package upon course completion.

Course Fees:

Level 1: \$675.00 (40 hrs.)
Level 2: \$675.00 (40 hrs.)

Those attending these courses that have a current ASNT Membership will have their attendance fees reduced by \$75.00.

All fees are due at 1st class or before. Unless other arrangements have been made.

NOTE to all course attendees:

Non-Chromalloy students will be required to complete and sign a release form.

Personal Protective Equipment is required when going into the RT work area.

Safety Glasses and Steel Toe footwear.

Long Pants are required in the building at all times.

Level 2 Class Dates:

Date: Saturdays 07:00AM – 3:30 PM
TBD

Level 2

- * Radiographic Image Viewing
- * Radiographic Exposures
- * Radiographic Techniques
- * Specialized Radiographic Techniques
- * Standards, Codes and Procedures for Radiography
- * Interpretation of Casting and Wrought Discontinuities
- * Interpretation of welding Discontinuities
- * Digital and Computed Radiography

Other Nondestructive Testing Courses are listed on www.sd-asnt.org



Meeting Report November 6th, 2018

November 06, 2018 the San Diego Section hosted the 3rd 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 18 members and guests in attendance.

Our Speaker for the evening was Mr. Dan Guerrero; who is the President of Willick Engineering Company, Inc.

Mr. Guerrero has been involved with Willick Engineering; in the service, sales, design & management of Industrial Imaging systems for 34 years. Mr. Guerrero started Intec Systems Company; for corporate computer networking, repairs, consulting.

Mr. Guerrero spent his college years at Cerritos College; he studied Electronics, Computer and Information Technology accounting and business management. He studied Radiography at TEST NDT.

He is the current Corporate Radiography Level III for Film and Digital techniques per NAS 410, ASNT SNT-TC-1A at Willick Engineering.

The title of his talk is: **“Qualifying your CR System per ASTM E2445-14”**.

Mr. Guerrero provided an introductory version with a practical explanation of the terms and methods for developing a Computer Radiography (CR) qualification program in accordance with the ASTM E2445-14 standard.

The audience expressed its appreciation of the presentation and engaged the speaker with questions.



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

Monthly Raffle prizes were sponsored by Michael White of Met-L-Chek,

Larry Olsen of Northrop Grumman and the San Diego Section.

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Between the Cracks

Save the Date - December 4th, 2018



Don't Forget this is the Christmas Event- Spouses / Companion / Guest night: All spouses (significant others) will have dinner provided by the section. Each person in attendance should bring a wrapped white elephant gift (\$10.00 - \$15.00) Which will make

the evening much more fun. Hope to see everyone there.

Judge at Greater San Diego Science Fair

Please Save the date: **March 13th, 2019**

Judging at the Greater San Diego Science Fair

Preview Projects On Evening of

March 12th

Contact by **February 1, 2019**

Denise McKay poppydancer@yahoo.com



Richard Ridenour
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RT, DIGITAL LEVEL III, NAS 410



Nondestructive Testing Training Course Penetrant Testing Level 1 / 2 (32 Hours)

Course curriculum will meet ASNT: SNT-TC-1A, ASNT CP-189 and NAS 410 requirements for classroom training.
Level 1 / Level 2 – 32 hrs.

Class Location:
Chromalloy
7007 Consolidated Way
San Diego, CA. 92121

Course Fees: \$825.00 Total Non Member W/Fee
\$750.00 Total Member

To Be Determined based on number of registered participants.

Those attending these courses that have a current ASNT Membership will have their attendance fees reduced by \$75.00.

Instructor: Gary Bass/Ramon Thomson
Note: This class has been scheduled,
If interested in taking this class, see below for contacts.
Registration Deadline is January 25, 2019.

All fees are due at 1st class or before. Unless other arrangements have been made.

Note minimum class size is 5
If this class is not filled by the registration deadline the course will be rescheduled immediately.

NOTE to all course attendees:
Non-Chromalloy students will be required to complete and sign a release form.
Personal Protective Equipment is required when going into the work area.
Safety Glasses and Steel Toe footwear.
Long Pants are always required in the building.

Contact Information / Class Registration:
Gary Bass (619) 794-6118
gbchulavista@aol.com
Ramon Thomson (619) 822-8185
ramonithomson@gmail.com
Larry Olsen (619) 228-5449
e-mail: sd-asnt@cox.net

Class Dates:
Date: Saturdays 07:00AM – 3:30 PM
February 9, 2019
February 16, 2019
February 23, 2019
March 2, 2019
Basic Outline of Course to be presented;

- Level 1**
- * Introduction to Penetrant Testing
 - * Liquid Penetrant Processing
 - * Penetrant Test Methods
 - * Liquid Penetrant Test Equipment
 - * Penetrant Indications

- Level 2**
- * Inspection Procedures
 - * Liquid Penetrant Process Controls
 - * Test Procedures and Standards
 - * Safety Health, and Disposal

A detailed course outline will be provided as part of the final documentation package upon course completion.

Other Nondestructive Testing Courses are listed on www.sd-asnt.org



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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

OUR POLICY IS NOT TO CANCEL COURSES IF YOU ENROLL & PAY 2 WEEKS IN ADVANCE

For questions or to enroll contact us at www.testndt.com, email ndttrain@aol.com, Ph (714) 255-1500