

TRA's

No Name

GAZETTE

For Northrop Grumman & TRW Legacy Retirees

VOL. XXVII NO. 4

July/August 2015

It's Finally Here — Our Annual Summer Reunion

August 20, 2015

Your Ballot is Inside. Please Vote!

Each summer the TRA Board nominates its Officers and Directors-at-Large for the coming year. These names are then submitted to the members to either ratify or to nominate other candidates. By nominating just one candidate for each position, we avoid the disappointment that can happen when a person agrees to run, then does not win the election.

Officers serve for a one-year term, while the Directors-at-Large are elected for two years. These longer terms for the latter group help bring continuity to the management and daily operation of the TRA. Directors-at-Large are limited to six successive years (three terms) while Officers may serve only two consecutive terms, with the exception of the Treasurer, who may serve up to five consecutive terms.

Please take the time to vote. Your votes show that you support the nominating committee and those other hardworking individuals that help make TRA strong.

You can vote by email or by completing the enclosed ballot and mailing it in. Just follow the instructions on the ballot. Your ballot must be received by August 15, 2015 to be counted.

TRA's big Annual Summer Reunion is set for Thursday, August 20, 2015, 11 am to 3 pm, at the Proud Bird Restaurant near the Los Angeles Airport. We will be feasting on the Proud Bird's scrumptious buffet, pasta bar, carving station, and dessert nook. We hope to give this gathering the same atmosphere as we had in past years at the S Cafeteria at Space Park. The up-side of this change is the great choice of items from the buffet and no longer any limitation on the number of guests you can bring. (Bring a non-TRA member and give them an introduction to TRA.)

Our speaker will be Stuart Linsky, Vice President, communication programs, Northrop Grumman Aerospace Systems. Information tables from the Western Federal Credit Union and TRA Membership will be available, along with the Company Store selling See's candy and company memorabilia.

Advance registration is very important. Please send in your information by the deadline of August 14 with your payment. If you cannot commit now, we will not turn you away at the door; but the price will be a bit higher. Lunch for registrants by the deadline of August 14 is \$30; at the door will be \$35. See you there!

The Proud Bird Restaurant is at 11022 Aviation Boulevard, Los Angeles, 90045, with plenty of free parking.

Important Contacts for Retirees

Northrop Grumman Benefits Center

www.benefits.northropgrumman.com

Select "Retiree Connection"

Or by phone: 800-894-4194

Here you can get help on health benefits, pensions, savings, and to report a death. It's all voice activated, so just listen to the instructions and answer the first few questions to reach a representative.

Towers Watson's OneExchange

<https://medicare.oneexchange.com/NGC>

Or by phone: 855-832-0976

If your Medicare Supplemental Insurance coverage has been transferred from the NGBC to OneExchange, this is your contact information.

ANNUAL SUMMER REUNION RESERVATION FORM

Thursday, August 20, 2015 11:00 to 3:00

Reservation Deadline: August 14, 2015

Retiree Name: _____

Street Address: _____

City: _____ State: ____ Zip: _____

Membership No: _____ Phone: _____

(from mailing label)

Total Number Coming: ____ at \$30 each = _____

Mail with a check to:

TRA

P.O. Box 1276

Redondo Beach, CA 90278

TRA for Northrop Grumman Retirees

The Retirees Association (TRA) welcomes the retirees of Northrop Grumman and TRW.

2015 OFFICERS

Dena Bouskos	President
Jack Trost	Vice President
Bob Doll	Treasurer
Jay Seidman	Secretary
Darrell Ausherman	Immediate Past President

2015 DIRECTORS-AT-LARGE

Mary Ann Chory, Charles Clendening, Ira Green, Marcy Morrison, Carol Schamp, and Jack Williams.

The No Name Gazette is the official publication of TRA. It is published six times a year.

Publication Staff:

Al Hausrath, Editor; Frank Warren, Contributing Editor; Tom Carroll, Kathy Hanken, Roger Harmon, Mary Holcomb, Del Suarez, and Jack Trost, Photographers; Carol Schamp and Karin Petersen, Copy Editors.

Contacting TRA

By Mail:

TRA, P.O. Box 1276, Redondo Beach, CA 90278

By Phone:

310-833-5827

By Email:

TRA@tra-spacepark.org Your emails will be routed to the appropriate source. And, if we have your e-mail address on file, we send out special alerts to TRA members as the need arises. To get on the TRA email list, just send us a brief email requesting to be added to it.

By Web Page:

Our web page is at www.tra-spacepark.org. It is an excellent source for the latest news, lists of the new retirees, travel details, party photos (more than get into the NNG), forms of all sorts, personal photographs, and much more. Log on and browse.

For Membership:

TRA Membership is open to all Northrop Grumman and TRW-legacy retirees at \$10 per calendar year. First year free. Application on web page or call 310-833-5827.

NG/TRW Retirees Meetings Around the U.S.

GROUP	MEETING LOCATION	TIME & DATE	OTHER INFO	CONTACT
TRA	Bldg. S/Cafeteria, Space Park	3rd Thurs. Monthly	Business Meeting 1:30 p.m.	No reservations needed. All Members Welcome
ATD Friends & Colleagues	Palos Verdes Golf Club, 3301 Via Campesina, PVE, CA 90274, (310) 375-2533	1st Tuesday in Nov. 11 a.m. to 2 p.m.	Social, Nostalgia and Lunch Res Deadline: Fri. 23 Oct. '15	Don Reeves, Jack Trost, Carol Schamp cschamp@aol.com 310-377-2194
Brevard Retirees	Various Locations in Brevard, N.C.	1st Wed. 8 a.m. 3rd Wed. 5 p.m.	Social	Al & Daughn Connarn 828-884-4993 aconnarn@yahoo.com
Central Coast Chapter	Various Locations in the Central Coast Area	Various days: call Zaiser for details	Social	George Zaiser 805-473-2105 gzais@cloud.com
Beach Cities Get-together	Grunions Restaurant 1501 N. Sepulveda Blvd., M.B., CA	Last Mon., Even months. 11 a.m. to 2 p.m.	Social	Allen Parker 310-780-0712 777allendsp@gmail.com
Houston Chapter	Baybrook Denny's, 19212 Gulf Fwy Friendswood, Tex.	3rd Tuesday 8:30 a.m.	Social	Gary Dinsmore 281-461-6270 samngary@att.net
Huntsville Chapter	Ryan's Buffet 1808 University Drive NW, Huntsville	2nd Tuesday 11:30 a.m.	Social	Jim Troy 850-797-0044 jtroy@troysig.com www.TRA-Huntsville.org
Las Vegas	Various Locations in Las Vegas Metro Area	Last Tuesday 11:30 a.m.	Social	Carol Noblet 702-889-6773 cannob70@gmail.com
Northern Virginia	Old Brogue Pub Great Falls, Va.	3rd Friday 11:30 a.m.	Social	Bill Gehrke 703-759-0527 wgehrke@att.net
Ogden	Cracker Barrel Restaurant Layton, Ut.	1st Thursday Breakfast	Social	Charles Vono 801-745-5879 charlesvono@comcast.net
San Diego Chapter	Event Dependent	3rd Tuesday Alternate Months	Social or Board Meeting http://sandiego.tra-spacepark.org	Jim Denton 858-385-0150 JWDenton@san.rr.com
Temecula Valley	J. Carters Grill 40365 Murrietta Hot Springs Rd., Murrietta, CA	2nd Wednesday Lunch	Social	Maureen Locken 951-244-7654 maureen_locken@yahoo.com
The Mountain Folks	Various Locations in the Denver Area	First week of each quarter	"We do have fun!"	Carl Winkelman 303-693-0034 winkelman@att.net
TRIN	SS. Brigid & Branden Room, American Martyrs Church, Manhattan Beach, CA	2nd Thursday 1:00 p.m.	Investment Info based on monthly newsletter reviews	Mike Pauls 310-379-2707 lmikep@earthlink.net
Ventura Romeos	Mimi's Cafe Thousand Oaks	1st Tuesday Lunch	Social	Fred Blaich 805-499-0012 or Harry Stroud 805-653-5117

HAPPENINGS AT NORTHROP GRUMMAN

Aerospace Systems Sector (NGAS)

➤ DEVENS, MA — Designed to significantly advance the science and technology supporting exoplanet research, the PICTURE-B mission by the Center for Atmospheric Research at the University of Massachusetts, Lowell, reached a major milestone. The primary mirror has proven its soundness for flight through extensive analysis and environmental testing. The mirror was engineered and built by AOA Xinetics, an NG company. UMass Lowell's PICTURE B, the Planet Imaging Coronagraphic Technology using a reconfigurable experimental base, is a two-phase program that will measure the debris disks and exozodiacal dust that surround nearby stars. Accurate measurements of dust are a critical part of



By Frank Warren

exoplanet research, as the data will enable astronomers to assess the impact of the debris and dust on their observations, thereby improving their ability to identify and study such planets. To support the scientific goals of PICTURE B, AOA Xinetics engineered a robust 22-inch diameter silicon carbide mirror with exceptional performance due to the aspheric optical figure, low thermal expansion and high thermal conductivity. The first flight of PICTURE B is currently scheduled for launch aboard a NASA Sounding Rocket in Fall 2015. The initial flight will collect data from the debris disk around Epsilon-Eri, a bright star expected to be harboring a planet in its dust ring.

➤ MELBOURNE, FL — NGAS has formed an industry team with General Dynamics and its subsidiary, Gulfstream, and L-3 Communications Holdings to pursue the U.S. Air Force's Joint STARS recap program. This complementary team leverages NGAS's role as the prime industry contractor for the Joint STARS E-8C wide area ground surveillance, and battle management command and control mission for the U.S. Air Force for more than 30 years, Gulfstream's business aircraft, and L-3's expertise in aircraft modification and communications solutions. The Gulfstream aircraft will provide the Air Force with key mission system requirements — speed, range, altitude, endurance and reliability — well positioning the team to deliver a highly capable, cost-effective and innovative battle management command and control/intelligence, surveillance and reconnaissance solution to the Air Force, integrated on an efficient, business jet platform. Using open architecture and commercial-off-the-shelf technologies, the growth potential of the Next Generation Joint STARS platform will ensure it remains relevant to meet evolving threats the warfighter may encounter for decades to come.

➤ REDONDO BEACH, CA — NGAS reached another major milestone for NASA's James Webb Space Telescope this week, with the delivery of the Deployable Tower Assembly (DTA). Following successful ambient and thermal vacuum testing, the DTA was delivered to Northrop Grumman's Space Park facility, where the Webb Telescope is being assembled. The graphite DTA was designed, built and tested by Astro Aerospace, a Northrop Grumman company. NASA's James Webb Space Telescope is made up of four major components — the telescope, the integrated science instrument module, the sunshield, and the spacecraft. The DTA interfaces with and supports the spacecraft and the telescope structures, and serves two key functions on Webb. In the stowed configuration, the DTA allows the telescope and instruments to fit into the rocket fairing with an acceptable center of gravity for launch. In the deployed configuration, it will lift the telescope mirrors and instruments away from the heat of the main spacecraft. This allows the sunshield to unfurl, reducing the amount of radiant heat the instruments are exposed to on orbit. The DTA features two large diameter telescoping tubes, separated by a mechanized lead screw. The majority of the DTA is constructed of graphite components to ensure stability and strength with extreme changes in cryogenic temperature. When fully deployed, the DTA reaches ten feet in length. NGAS is under contract to NASA's Goddard Space Flight Center in Greenbelt, Maryland, for the design and development of the Webb Telescope's optics, sunshield, and spacecraft.

➤ EDWARDS AIR FORCE BASE, CA — NGAS successfully flew a new Open Mission Systems (OMS) architecture on a NASA Global Hawk, demonstrating the ability to rapidly and affordably adapt new capabilities onto unmanned aircraft systems. The new architecture implementation flight took place at NASA Armstrong Flight Research Center at Edwards Air Force Base. This flight confirmed the ability for ground operators to send OMS payload commands and receive OMS subsystem status responses over a Ku SATCOM Beyond-Line-Of-Sight communications link between the unmanned aircraft and an operations center. A previously developed OMS Critical Abstraction Layer was adapted to an OMS Open Computing Environment onboard the NASA Global Hawk using a production RQ-4 Global Hawk airborne database computer.

Upcoming TRA Events

Summer Annual Meeting **August 20, 2015**

Holiday Party* **December 4, 2015**

*Details to be provided in the November NNG

Candidate Biographies

DENA BOUSKOS: Dena retired from Aerospace Systems Sector in January 2011 after almost 38 years of service. During her career in Human Resources she held a number of senior HR positions supporting Program, Functional and Sector staff organizations. While she served as the Space Technology Sector Director of Compensation, Benefits and HRIS, the TRA organization reported to her for five years which gave her an understanding of the benefit that retirees offer the company. For the past two years, Dena has served on the TRA board since 2011, as Membership Chair and VP for the last year. She enjoys the freedom of retirement, travel, catching up with friends, and the never ending projects around the house!



CHARLIE CLENDENING: Charlie retired from NGC in 2012 after 35+ years at TRW/NGC. He joined the TRW ATD Engineering Sciences Laboratory after a short Air Force tour following receiving a Ph.D. in Physics at Cornell University and a B.S. degree from Case Institute of Technology. He supported a number of diverse programs primarily in laser related areas. His final assignment was as a Technical Fellow and the chief scientist on the ABL Program.



ROBERT DOLL: Bob spent most of his 30 years at TRW/NGC in the Ground Systems Department of the Hardness and Survivability Laboratory. More recently he has supported cryocooler flight vibration testing and dynamic loads analysis for Titan IV and Delta IV boost vehicles for Launch Systems Integration. He obtained his BSME from CSULA, MSME from USC, and PhD from UC Berkeley. He retired in 2004 and has served 2 terms as President of TRA and is currently serving a fourth term as treasurer.



REGGIE JUE: Reggie retired as a Director in 2014 after 32 years at TRW/NG in various leadership roles in System Engineering. He was the Chief Engineer for Protected SatCom, and retired as the System Engineering lead for the James Webb Space Telescope. During his career, Reggie received the TRW Chairman's Award for Innovation, TRW Distinguished Patent Award, NGST Award for Innovation, NGAS President's Award, and the NG Award for Excellence. Reggie received his B.S. from Harvey Mudd College, M.S. degrees from UCLA and Stanford University.



MARCY MORRISON: Retired in 1998 (kind of); but worked as editor/coordinator on proposals for 10 more years. Chairman of Activities committee for TRA helping to make the Holiday party, Spring Fling, and Summer Reunion enjoyable gatherings for our retirees. We also offer some day trips for TRA members. Helped form the fund raising arm of 1736 House. Was 1 of 5 winners for Woman of the Year award. Active in garden club, square dancing, traveling, hiking, plays.



CAROL SCHAMP: Carol has been a TRA member since retiring 17 years ago, after 28 years at Aerojet ElectroSystems (DSP sensors), Northrop Electronics (CCD arrays) and TRW (FleetSatCom, TDRSS, M4/R5). She held various technical and management positions in hardware development and systems engineering & test, including those of Director and Program Manager. Carol has a B.S. in mathematics/physics and a MSEE in solid state electronics and communications; she was a member of IEEE, Tau Beta Pi (President), IAE (Fellow) and SWE (President and still active). Carol serves on the board of the Peninsula Symphony Association. She is currently a Director-at-Large for TRA.



JAY SEIDMAN: Jay retired from TRW in 1982 after 19+ years. He has been active in TRA as Vice President, as a director, as a member of the TRA Travel Committee, and as the health editor for the NNG. He was also instrumental in initiating TRA's investigations into Long Term Care.



JACK TROST: Jack retired from TRW in 1995 after serving 34 years with the company. In addition to his systems engineering contributions to the ballistic missile and spacecraft programs, Jack developed the Fluid Mechanics Laboratory (building 67) where he directed experiments in many of the company's first high energy chemical lasers. He received a BS in General Engineering from UCLA and an MS in Aerospace Engineering from USC. He was president of the TRW/SEA square dance club, Pioneer 8's. Jack is a docent at the Los Angeles Maritime Museum and the Western Museum of Flight. He serves on the board of the Peninsula Symphony Association. Jack is a past president of TRA.



IN MEMORIAM

Mary D. Arden, 89, November, 2012
 Katherine Arnold-Kearney, 83, May 1, 2015, Retired 1990,
 26 years at TRW, Electronics Assembler and Supervisor
 Frank J. Bane, 89, May 2013
 Bob C. Blood, 88, April 6, 2015
 Donald L. Brown, 80, April 16, 2015
 June W. Cooper, 92, November, 2013
 David J. Coward, 80, May 12, 2015
 Jack L. Ferrell, 87, May 11, 2015, formerly V.P. of Mfg. and
 Systems
 Ruth E. Freisthler, 87, October, 2012
 William "Rick" Hardgrove, 78, April 23, 2015
 Laurence "Larry" Harnett, PhD, 72, April 28, 2015 29 yrs.
 at TRW
 Edward J. Koran, 90, May 28, 2013
 Robert Steven Melendrez, 62, April 2, 2015
 Mary Verna Melough, 96, March 14, 2015
 Sharon J. Musick, 72, May, 2015
 Daniel L. Nay, 80, May 27, 2015
 Lyle F. Nelson, 84, March 28, 2015, 34 yrs. at TRW/NG
 Leroy F. Ornella, 87, November 6, 2014, 25 yrs. at TRW/NG
 Delfin Suarez, 88, May 25, 2015, 28 years as an Aerospace
 Engineer at TRW
 Hollis H. Whitaker, 88, October, 2012

The first step in notifying Northrop Grumman of a retiree's death is to call the NG Benefits Service Center at 800-894-4194. For many retirees, there is a Burial Benefit which will be paid to the beneficiary upon proper notification of death. The Benefits Center does NOT notify TRA of the death due to privacy laws.

If you know of a deceased retiree that should be included in the "In Memoriam" column in future NNGs, please inform us by either mail or email to the TRA office. As a minimum, we need the name of the deceased; date of death; and the name of the person submitting the information. If more information is available and desired, include age, position and years at NG/TRW, any notable programs, and special skills.

Recent New Members to TRA

We welcome the following members since the last newsletter.

Patricia Brown	Redondo Beach, CA
Judy I. Ely	Torrance, CA
Glenda S. Smith-Lee	Long Beach, CA
Robert G. Svoboda	Redondo Beach, CA

We hope these new members will send a note to us for the Mail Pouch, telling us a little about themselves and where they worked at Northrop Grumman. Send to tra@tra-spacepark.org or to TRA, P.O. Box 1276, Redondo Beach, CA 90278.

News from the NG/TRW Retiree Groups**Huntsville Chapter**

Reported by Jim Troy

Huntsville continues its very active program of regular social gatherings, identification of local events and information of interest to members, including producing the e-mail Huntsville Gazette.

Washington, D.C.**Northern Virginia Group**

Reported by Bill Gebrke

The Washington DC area retiree group has 200+ members and hold a luncheon meeting every third Friday of the month at the old Brogue Pub in Great Falls VA at 11:30 AM. Although many have left the area, typically 15 to 20 attend.

News from Our Members**Norm Lipner:**

A high percentage of TRA members have had interesting careers, but few make the effort to document them. Norm Lipner has written a memoir on his 41 years at STL/TRW/NGC, beginning in the Dynamics Department in 1963 to the Northrop Grumman Systems Center where he was Acting Manager (2004). The history also includes the 7 years at his "retirement job." It has a nice overview of the beginnings of STL. The memoir is posted on the TRA web page www.tra-spacepark.org for a few months. It will also be included in the TRA archives.

Bill Dean:

Bill Dean has developed three presentations all about aircraft flights. They are:

The Theory and History of Flight, a 60 to 90 minute oral presentation with a Power Point Slideshow. This presentation is intended to introduce today's youth to aviation as a career choice.

Flight Simulator: Would-be pilots are guided in the use of aircraft instruments and controls with a realistic flight control panel. The accompanying video takes the students on an actual flight.

Flight 106 — Los Angeles to Dulles, a Power Point slideshow. This presentation dramatizes the step-by-step progression of the flight.

All presentations are provided at no charge. Contact Bill Dean at (310) 540-1580 for scheduling information if you know of a group which might like to participate.

TRA

P.O. Box 1276

Redondo Beach, CA 90278

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The next NNG will be
mailed in September

THE MAIL POUCH

◆◆◆The Si Ramo article in the NNG was a big hit. One note of appreciation came from **Sandy Richardson** (Banning, CA)◆◆◆Another note in praise of the article was from **Jim Rozelle** down in Evans, GA. He also likes the photo coverage of the TRA events, since he doesn't *make it out to the left coast very often*. **Jackie** stays busy with her golf, book and Bible study groups. His outside involvement is with a group of volunteers who build wheel-chair ramps, etc., for wounded warriors and others◆◆◆Duo TRW retirees **Dan and Sue Marbut** (Quail Valley, CA) complain of creaky joints, but otherwise okay. They would love to hear from anyone they worked with at dnsmar@verizon.net◆◆◆**Jon and Patricia Rowe** are cruiseaholics. They have been on more than 40 cruises since their honeymoon cruise back in '77. But never to Europe. So as you read this, they are probably off the coast of Italy and Greece. And he has flunked retirement! When he is back in CA, he works for Parker Aerospace in Irvine, writing test procedures for avionic systems. He renewed his membership for two years instead of his normal one, *because the years go by so damn fast!*◆◆◆Another cruising couple, **Don and Margie Brown** (Seal Beach, CA). They are off on their 12th cruise, this one to Australia. They promise to be back in time for the annual ATD luncheon in November, which they missed last year due to illness. 2015 is an eventful year for them; they celebrate their 56th wedding anniversary in August◆◆◆**Bob Ottinger** reported in from Pawleys Island, SC (pop. 103) on the Outer Banks. They have been there for 12 years, love the people, but not the politics◆◆◆Another happy retiree, **Jim McWilliams** (Sylvania, OH, suburb of Toledo) says he's busy doing all the swell things that 93 year olds do◆◆◆And now McWilliams has a new neighbor, just a few hours away in Youngstown, OH. **Art Williams** moved back to OH last December, after 48 years in CA. And his youngest daughter, Chris, is now working at Space Park. He's in good health, has an extended family nearby, as well as a lady friend◆◆◆A CA Aerospace worker turned midwest farmer is anxious to return to CA. **Guy and Danae Welch** (Sherwood, IL) celebrated their 50th Anniversary last year with family and friends in Universal City, CA. And more good news. Their youngest g'daughter, Cloe, just 5, survived

leukemia thanks to a bone marrow transplant. Health issues keep them housebound, but they plan to return to Redondo Beach *when the housing market improves*◆◆◆**Jorge Manzanilla** (Downey, CA) reports that his wife's health problems have tied them to home during the past year. They are looking forward to being able to travel again soon◆◆◆Grandparents **Diane and Jerry Klayman** can finally use that title! Their daughter, Julie, and husband, Terry, adopted a beautiful baby girl, Amaya Rose. *What a wonderful holiday gift and celebration of 2015*◆◆◆Here's a real TRW/NGC family! **Bob Noblitt** retired in 2000 as the manager of the Space and Defense District Office in Huntsville, AL, but worked another 12 years as a consultant. Bob and his wife, **Nell**, live in Madison, AL, just a hop, skip, and jump from Huntsville, as do their three daughters and eight grandchildren. Daughter **Lisa**, her husband, and a g'son all work for NGC◆◆◆Whoops! An editor's nightmare! I neglected to include the Space Park address for last summer's annual meeting, and **Sheryl (Crumpacker) Noorland**, from Thousand Oaks, CA, couldn't find the place. It had been 27 years since her last visit there. Even the Space Park phone operator was of no help. My apologies, Sheryl. Note that this year's Summer Meeting announcement is on Page 1 of this NNG, and the address is included◆◆◆Do you remember **Mary Silva**? A big change for her back in '03. Not only did she retire from NG, but she also reclaimed her maiden name of Garcia. So it's **Mary Garcia** (Redondo Beach, CA) who now lives close to the beach, loving her 8 g'kids, traveling around the world, Hospice Volunteer, and for fun and exercise, Salsa dancing◆◆◆**Annabelle Peterson** lives in Mantorville, MN, just outside of St. Paul, MN, but is smart enough to winter in Las Vegas. So she missed out on 6 months of the NNG. Hint: File a Temporary Change of Address with the USPS and TRA's efficient mailing service gets the info and automatically switches your subscription to the new address◆◆◆Congratulations to **C.N. "Jack"** (age 93) and **Doris Tsu** (age 96) who celebrated their 72nd wedding anniversary in June. It must be the Manhattan Beach, CA lifestyle that keeps them so young◆◆◆