

TRA's

No Name

GAZETTE

For Northrop Grumman & TRW Legacy Retirees

VOL. XXXI NO. 2

Our 31st Year

March/April 2019

Make Your Reservations for the TRA Spring Fling

Mark your calendars. It's time for us to welcome Spring by meeting old and new friends for lunch and conversation.

As long-time TRA members know many of our regular event locations have changed. Based on a suggestion from a member, we are trying out a new location. We plan to hold our 2019 TRA Spring Fling at the:

Gardena Buffet & Grill
1230 W. Redondo Beach Blvd.
Gardena, CA 90247
Thursday, May 2nd, 11:30 to 2:00 PM

We will have their lunch buffet, which includes appetizers, a salad bar, a selection of freshly prepared sushi and seafood, Asian and American-style entrees including a Teppanyaki bar, an assortment of fresh fruit, and dessert. The American-style entrees include BBQ and grilled chicken and pizza.

The price is only \$14 per person, which includes the lunch buffet, choice of beverage, and all taxes/tip.

There is plenty of parking available.

Please get your reservations in early. Our private room is limited to 70 people and we expect to have to cut off reservations. Walk-ins the day of the event won't be accepted. Please limit non-member guests to one guest per member.

To reserve your spot, save a stamp by going to www.tra-spacepark.org, (if you're not already registered for access to the web site take a few minutes to register) and pay with a credit card through Paypal. Or, you can mail in your reservation with your payment using the form below. Please be sure to mail by April 18th.

We hope to see you there!

HAPPENINGS AT NORTHROP GRUMMAN

James Webb Space Telescope Completes Next Critical Launch Milestone

NASA's James Webb Space Telescope Spacecraft Element (SCE) successfully completed acoustic and sine vibration testing at Northrop Grumman in Redondo Beach. The testing validates the structural design and verifies the mechanical workmanship and integrity of the SCE by subjecting it to simulated rigors of the launch environment.

"Mission success remains our focus for Webb, a first of its kind space telescope," said Scott Willoughby, vice president and program manager, James Webb Space Telescope, Northrop Grumman. "Successful environmental testing of the SCE builds further confidence in its structural design integrity, built to withstand the stresses of launch."

The SCE was subjected to acoustic noise levels of 140.7 decibels (damage to hearing starts at 85dB while speakers at a concert can be as loud as 120dB or more), which simulated the high noise levels generated from rocket engines and turbulent air flow at high Mach speeds during launch. Vibration testing simulates the vibration and shaking Webb will experience during launch. During testing, the SCE was attached to a large electrodynamic shaker, vibrating it along three orthogonal axes. This sinusoidal vibration was applied by starting at a low, subsonic frequency of 5 hertz and

HAPPENINGS - Continued on Page 3

SPRING FLING RESERVATION FORM

Mail-In Reservation Deadline: Postmark by April 18th, 2019

Member Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Membership No. (from mailing label): _____ Phone: _____

Guest Name(s) (for name tags): _____

Total Attending: _____ at \$14 each = \$ _____

Go online to www.tra-spacepark.org and make your reservations and pay using Paypal.

Or, mail with a check payable to "TRA" to the following address: 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.

2019 Officers

Dena Bouskos	President
Jack Trost	Vice President
Charles Clendening	Treasurer
Michael Narigon	Secretary
Mary Ann Chory	Immediate Past President

2019 Directors-at-Large

Robert Doll, Reggie Jue, Joyce Komatsu, Marcy Morrison, Carol Schamp, Stephanie Sundius

Facebook Coordinator: Stephanie Sundius

Membership: Joyce Komatsu

Webmaster: Reggie Jue

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

Publication Staff

Editor: Michael Narigon

Contributors: Joan Merritt, Pam Overton

Copy Editors: Kim Lewis, Carol Schamp

Contacting TRA

By Mail:

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

By Phone:

310-813-7745 for voice mail.

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:

Our website 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. Register, log on, and browse.

For Membership:

TRA Membership is open to Northrop Grumman and TRW-legacy retirees at \$10 per calendar year. The first year is free. The application is available on the website.

TRW/NG Retirees Meetings Around the US

Find a group in your area and give them a call. Changes from last edition are in **bold**.

GROUP	MEETING LOCATION	DATE & TIME	OTHER INFO	CONTACT
TRA Board Meeting	Bldg. E2/B114, Space Park	3rd Tuesday, 1:30 PM, Monthly except December	Decisions, planning and actions on archives, events, NNG, coordination with NG	All members welcome. Contact TRA prior to attendance to arrange for escort
ATD Friends & Colleagues	Send ideas for meeting location	5 November 2019, 11:00 AM	Social, Nostalgia, Lunch	Jack Trost, Dena Bouskos, Carol Schamp 310-377-2194 cschamp@aol.com
Beach Cities Get-together	Grunions Restaurant, 1501 N Sepulveda Blvd, MB, CA	Last Monday, Even months, 11 AM to 2 PM	Social	Allen Parker 310-780-0712 777allendsp@gmail.com
Brevard Retirees	Various Locations in Brevard, NC	1st Wednesday, 8 AM, 3rd Wednesday, 5 PM	Social	Tom and Vicki Moore 828-883-8080 seneca75@verizon.net, thistle33@verizon.net
Central Coast Chapter	Various Locations in the Central Coast Area	Various days: contact Zaiser for details	Social	George Zaiser 805-473-2105 gzais34@icloud.com
Houston Chapter	Baybrook Denny's, 19212 Gulf Fwy, Friendswood, TX	3rd Tuesday, 8:30 AM	Social	Gary Dinsmore 281-461-6270 samngary@att.net
Huntsville Chapter	Various Locations in Huntsville, AL	2nd and 4th Tuesday, 11:30 AM	Lunch and Social	Jim Troy 850-797-0044 jtroy@troysig.com
Las Vegas	Various Locations in Las Vegas Metro Area	Last Tuesday, 11:30 AM	Social	Carol Noblet 702-889-6773 cannob70@gmail.com
Northern Virginia	Old Brogue Pub, Great Falls, VA	3rd Friday, 11:30 AM	Social	Jim Miller 703-483-5448 jmiller158@gmail.com
Utah	Cracker Barrel Restaurant, Layton, UT	1st Thursday, 8:30 AM	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	Franklin's Cove, 40675 Murrietta Hot Springs Rd, Murrietta, CA 92562	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	Holy Family House, American Martyrs Church, MB, CA	2nd Thursday, 1:00 PM	Investment Info based on monthly newsletter reviews	Bob Eshbaugh 310-376-5880 eshonnet@yahoo.com
Ventura Romeos	Mimi's Cafe Thousand Oaks	1st Tuesday, Lunch	Social	Frank Yunger 805-444-1541, Harry Stroud 805-653-5117

Upcoming Events

Spring Fling	May 2nd, 2019
Summer Reunion	August 13th, 2019
Holiday Party	December 6th, 2019

HAPPENINGS - Continued from Page 1

sweeping up to a medium frequency of 100 hertz in the course of just over one minute.

Ultimately, the SCE was subjected to protoflight vibration levels required to simulate a rocket launch. Testing on the ground assures that Webb can successfully withstand the rigors of its journey to space.

The completion of acoustic and sine vibration testing advances Webb's SCE to its final environmental test, thermal vacuum testing. Post thermal vacuum testing, Webb will return to Northrop's clean room for full deployment and integration of the Optical Telescope Element/Integrated Science Instrument Module later this year.

HAPPENINGS - Continued on Page 4

Important Contacts for Retirees

The main contact for Northrop Grumman employee and retiree benefits is:

Northrop Grumman Benefits Center
www.benefits.northropgrumman.com
 Or www.netbenefits.com/northropgrumman
 phone: 800-894-4194

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

Information on Health and Insurance benefits for those retirees on the Northrop Grumman Retiree Medical plan is accessible on line at Fidelity NetBenefits. The link is available on the Benefits Center web page.

If you have Medicare Supplemental Insurance coverage through Towers Watson OneExchange, they are changing their name to Via Benefits. This is your contact information:

Via Benefits (a Tower Watson Company)
viabenefits.com
 phone: 855-832-0976

For Medicare Supplemental Insurance, Via Benefits administers various accounts including Health Care Flexible Spending and Reimbursement, the Limited Flexible Spending Account, and the Retiree Reimbursement Account.

Some TRW retirees receive their medical benefits through the Northrop Grumman Benefits **Service** Center. This center is staffed by Benefits Outsourcing Solutions, Inc. Their number is 800-410-6605.

If you continued your life insurance coverage on the Northrop Grumman group plan, this is administered by Metlife. They have a website at the link below but phone calls should be directed to the NGBC.

Metlife
www.metlife.com/NGC

IN MEMORIAM

Barry Bixby, November 19, 2018. Barry succumbed after a 3-year battle with cancer.

Albion P. Bowers, December 6, 2018, worked at TRW from 1963 to 1992.

Arthur William Buckley, March 3, 2019.

John Dowdee, October 30, 2018.

Virginia Friichtenicht, January 12, 2019.

Craig M. Gilbert, May 15, 2017. Craig started in the company mail room out of high school in 1965 and retired in 2002 from Material Control. He passed away from melanoma and complications from a heart transplant he had in 2007.

Al Haurath, 94, February 11, 2019. Al leaves behind Mel, his wife of 69 years, a son, David, and two daughters, Janet and Heather.

Al was in the U.S. Army during World War II, after which he received his Ph.D. from the University of Illinois. Upon completion of his degree he worked on missile controls at Penn State followed by a professorship at Iowa State. He moved to San Diego to work on the Atlas program at Convair Astronautics. He then moved to TRW's Norton AFB facility, where he worked on the ballistic missile program for 25 years, with the last 8 years of that effort at Space Park.

He was one of the founding members and a cornerstone of TRA. He served on the TRA Board for many years, including President from 2004 to 2005. More importantly, he was editor of the No Name Gazette newsletter from 1993 through 2016, where he took special pride in personally editing the "Mail Pouch" for each issue.

Steven Mark Holcombe.

Ronald D. Kelly, January 17, 2019.

Lisa Ann Mulcahy, 62, passed away peacefully in El Segundo, CA, on January 1, 2019. She retired from Northrop Grumman in 2013 and was a lifelong resident of the South Bay area.

Howard Sachar, age 91, August 1, 2018. He lived an accomplished life as a World War II Navy Veteran, Vice President of International Operations at TRW, and real estate entrepreneur. As an electrical engineer working for TRW, he invented the Varicap diode that is still used in circuitry design and later won him an Emmy Engineering Award from the Academy of Television Arts and Sciences in 2007.

Mary Walker, 27 November 2018. Mary worked as an Administrator to the Coast Program Hardware Team.

The first step in notifying Northrop Grumman of a retiree's death is to call the Northrop Grumman Benefits Center. For many retirees, there is a Burial Benefit which will be paid to the beneficiary upon proper notification of death.

If you know of a person that should be included in the "In Memoriam" column, please inform us by either email or mail 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.

New TRA Members

Norair Demerdjian	Northridge, CA
Mark Ford	Redondo Beach, CA
Carolyn Gittings	Bullhead City, AZ
Ellen Modes	Manhattan Beach, CA
Gary Paxton	Leesburg, VA
John Ranaudo	Manhattan Beach, CA
Rusty Sly	Santa Clarita, CA
Mike Waterman	Torrance, CA
Bob Wells	Paso Robles, CA
Ray Ybaben	Huntington Beach, CA

We hope these new members will send a note to us at mailpouch@tra-spacepark.org telling us a little about themselves and where they worked at Northrop Grumman/TRW.

Please Check Your Membership

Please take a moment and check your mailing label on this issue. If it says "Paid Thru" and the date is 2018, that means your membership has expired. This will be the last newsletter you will receive unless you renew now.

If you have renewed in the last couple of weeks, don't worry. Due to the time it takes to get the NNG printed and mailed our mailing list may not have been updated with your latest payment.

TRA membership is a real bargain at just \$10.00 per year! The NNG provides you with happenings at Northrop Grumman, the Mail Pouch, special articles with information about our members, and signups for and articles on the Spring Fling in May, the Summer Reunion in August, and the Holiday Party in December. We periodically publish and distribute the Member Directory. It includes names and addresses of your fellow retirees so you can keep in touch. Your dues also support the operation of our web site with its articles, news, and member forums.

You now have two choices on how to renew: online or by mail.

To renew online, go to our web site, www.tra-spacepark.org, and follow the prompts. We process your renewal dues securely through Paypal. You do not need a Paypal account - you can pay your dues with a credit card.

To renew by mail, please cut out the form below, fill out the requested information, and mail to TRA with your check.

Renewals for more than one year are welcome because they reduce our in-house paper shuffle. We will honor paid memberships at the current dues rate if dues need to be increased in the future. So, consider renewing for four years to save time and money.

Thank you for your support!

Northrop Grumman Pleased with Progress Integrating Orbital ATK

Northrop Grumman executives said Jan. 31 that the integration of the former Orbital ATK into the company is largely going according to plan.

Northrop Grumman reported sales of \$30 billion for the full year of 2018, up from \$26 billion in 2017. The company had an operating income for 2018 of \$3.78 billion, compared to \$3.22 billion in 2017.

The 2018 figures included, for the first time, revenue and profits from Orbital ATK, whose acquisition by Northrop Grumman closed in June 2018 and now operates as the Innovation Systems (IS) division of Northrop. That division reported sales of \$3.28 billion in 2018 and an operating income of \$343 million for the year.

When Northrop Grumman announced its plan to acquire Orbital ATK in September 2017, it justified the deal in part because of various synergies, including enhanced revenue and cost savings. In particular, Northrop estimated it would achieve \$150 million in cost savings by 2020 by combining corporate infrastructure.

"I'm very pleased to report that, as we continue to successfully integrate IS, we are on target for cost and operational synergies and trending favorably on revenue synergies," said Kathy Warden, president and chief executive of Northrop Grumman, in an earnings call with analysts.

She reiterated that point later in the call, without offering more specifics about the savings or other synergies realized by the acquisition. "As I look at the process that we took, we are leveraging the best of both cultures and processes into Northrop Grumman," she said. "Seven months in, I couldn't be more delighted."

The company identified work in "restricted activities" in space as one factor for an eight percent increase in sales in Aerospace Systems. In the earnings call, Ken Bedingfield, chief financial officer at Northrop Grumman, cited "restricted space" as one area of growth in the company, "addressing some of the new requirements like resiliency and other things."

Warden, in the earnings call, mentioned the five-week partial government shutdown that ended late Jan. 25. That shutdown did not affect the company's business with the Defense Department, which has a full-year appropriations bill in place, but did affect the company's work with NASA and other agencies idled by the shutdown.

MEMBERSHIP RENEWAL FORM

Member Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Membership No. (from mailing label): _____ Phone: _____

E-mail address: _____

Annual dues are \$10 per year. I would like to renew for:

\$10 for one year \$20 for two years \$30 for three years \$40 for four years

Mail with a check payable to "TRA" to the following address: TRA, P.O. Box 1276, Redondo Beach, CA 90278

And, please, include a note for the Mail Pouch about yourself, your family, and your doings!

Life after Retirement - Book Author

John D. Caldwell wrote to us mentioning that he has a newly published book, *Anatomy of Victory: Why the United States triumphed in World War II, fought to a stalemate in Korea, lost in Vietnam, and failed in Iraq* (Roman & Littlefield, 2019). The book is in book stores and available on Amazon.

John wrote the book after he retired in 2007 from a 50-year career in defense think tanks, TRW Space & Defense, and Northrop Grumman Aerospace Systems. He told us that working in the highly disciplined environment of Proposal Operations, where he spent the last half of his career, was superb preparation for a project like this — because “going to work every day in Building 65 and Building 154 with people smarter than you raises the motivation to excel.”

John believes his book is the first systematic comparison of America’s modern wars and why they were won or lost. He uses the World War II victory as the historical benchmark for evaluating the success and failure of later conflicts. Unlike WWII, the Korean, Vietnam, and Iraqi wars were limited, but they required enormous national commitments, produced no lasting victories, and generated bitter political controversies.

John examines these four wars through the lens of a strategic architecture to explain how and why their outcomes were so dramatically different.



JOHN D. CALDWELL

ANATOMY OF VICTORY

WHY *the* UNITED STATES TRIUMPHED *in* WORLD WAR II,
FOUGHT *to a* STALEMATE *in* KOREA, LOST *in* VIETNAM,
and FAILED *in* IRAQ



He defines a strategic architecture as an interlinked set of continually evolving policies, strategies, and operations by which combatant states work toward a desired end.

Policy defines the high-level goals. It directs a broad course of action and strives to control the initiative. Effective statesmen are skilled at organizing constituencies they need to succeed and communicating to them convincingly.

Strategy means employing whatever resources are available to achieve policy goals in situations that are dynamic as conflicts change quickly over time.

Operations are the actions that occur when politicians, soldiers, and diplomats execute plans. A strategic architecture is thus not a static blueprint, but a dynamic vision of how a state can succeed or fail in a conflict.

The four imperatives he presents in the final chapter that statesmen and generals should follow are: (1) define a realistic geopolitical outcome for any foreign military intervention; (2) develop a strategy that statesmen and diplomats can execute; (3) design a chain of operations that can achieve the strategy; and (4) communicate to the public often and convincingly. These are issues statesmen should think carefully about before any shooting starts.

LTG H. R. McMaster, US Army, Ret., President Trump's second National Security Advisor, read the entire manuscript and wrote this endorsement: "Excellent! Fills an important void in our understanding about policy, strategy, and operations."

Mark Helprin, a best-selling novelist, *Paris in the Present Tense* (Harry Abrams, 2017), and media commentator on national security affairs wrote an equally generous endorsement: "Readers can learn from and enjoy every page of this book, which displays the rare ability to seize immediately upon the essence of military questions... In masterful summaries that are equal parts history and analysis, he takes us on a truly professional tour of our wars since 1941, allowing us to share his great gift for strategic clarity."

HAPPENINGS - Continued from Page 4

Northrop Grumman Awarded \$17.4M for Space Tracking System

Northrop Grumman Aerospace Systems was awarded an option of \$17.4 million for on-orbit operations and sustainment for the Defense Department’s Space Tracking and Surveillance System. The option brings the total value of Northrop’s contract up to \$1.9 billion. The STSS program was transferred to the Missile Defense Agency from the Air Force in 2001. Since 2009, two Northrop Grumman-built Space Tracking and Surveillance System demonstrator satellites have been in orbit. The satellites, which were launched together on a single Delta II rocket, track ballistic missiles and other cold objects in space.

The Air Force has committed at least \$3 billion to develop a follow-on system called next-generation Overhead Persistent Infrared, or next-gen OPIR. The Missile Defense Agency is evaluating nine proposals for space sensor architectures. The agency has \$73 million appropriated and plans to select three proposals.

Space News reported the majority of the proposals recommend that the sensor layer be placed in orbits close to Earth to identify hard-to-detect targets that include hypersonic glide vehicles.

“We have to be closer to the action in order to do a good job of it,” Mike Griffin, the undersecretary of defense for research and engineering, told reporters. “We think the best approach is a network of satellites in low orbit. How many, what orbit, all that is to be determined.”



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The next NNG will be
mailed in May.

THE MAIL POUCH

By Pam Overton and Joan Merritt

◆◆◆ From **Bob Kaemmerer**, retired 2000.

I have been enjoying an active retirement over the past 18 years. I am still doing consulting work for a strange variety of clients. This work occupies about 1/3 of my time and helps me keep a hand in the world of technology. It also offers frequent travel opportunities: mostly to Silicon Valley, DC, Denver, the Cape, and Vandenberg. There are some interesting projects out there.

My retirement present to me was a Jeep Rubicon; it gets frequent exercise along with a group of like-minded desert rats. Latest trip was to Yuma, AZ to travel the Bradshaw Trail, to see the Territorial Prison and to visit a handful of abandoned mines in the area. Going to the Panamints and Skidoo in February. I still do an annual week-long Sierra backpack trip. The most recent was Horseshoe Meadow, the Siberian Outpost, and Chicken Springs Lake; all via the 12,300 ft New Army Pass.

My 4 grandsons are headed to the engineering world; the oldest has worked as an intern at Space Park for the last 2 years; he has already submitted a patent. The youngest, 4 years old, can already modify computer programs and loves astronomy! The DNA is hard to hide!

◆◆◆ **Stephanie Sundius** spent a week in March on Kauai, The Garden Island, refining her ukulele skills and preparing to release a private music CD.

◆◆◆ Last February, **Jan Ross** spent 5 weeks in Hanalei on The Garden Island, where she participated in two Humpback whale census events, and included a visit with **Gail Walters** discussing events at NGC. Jan encourages friends to visit her in Marana, AZ to learn about her observations of Puff, The Magic Dragon.

◆◆◆ **Joan Merritt** recently visited **Pauline Reynolds** at her new home in Hemet.

◆◆◆ Last October, **Nancy Whitsett** traveled with friends to the Hot Air Balloon Festival in Albuquerque, NM. Hundreds of hot air balloons launching at the same time is an awesome sight! ◆◆◆

Mail Pouch Items

Pam and Joan need your help! They need Mail Pouch items! Did you decide to travel after you retired? Please let us know your favorite spots, or just let us know what you are up to by e-mailing the Mail Pouch at mailpouch@tra-spacepark.org or by mail to Mail Pouch, P.O. Box 1276, Redondo Beach, CA 90278.