

TRA's
No Name

GAZETTE

For Northrop Grumman & TRW Legacy Retirees

VOL. XXXIV NO. 4

Our 34th Year

July/August 2022

Joanne Maguire Selected as Recipient of the Space Foundation's 2022 General James E. Hill Lifetime Space Achievement Award

Space Foundation, a nonprofit advocate organization founded in 1983 for the global space ecosystem, announced that American engineer and former executive Joanne Maguire has been selected as the 2022 recipient of its highest honor, the General James E. Hill Lifetime Space Achievement Award.

Maguire's impactful career in the space ecosystem spanned many decades, and she was highly successful in leadership and senior management roles entirely focused on space at both TRW (acquired by Northrop Grumman) and Lockheed Martin. Joanne retired in May 2013 from Lockheed Martin Corporation where she served as executive vice president, Lockheed Martin Space (LMS) and first female corporate officer.



*Joanne
Maguire*

In this role, Maguire provided an extensive variety of technologically advanced systems to commercial and government customer bases, providing key products in the arenas of national security, civil space, and commercial space, including projects on: human space flight systems; satellites for weather, remote sensing, navigation, and communications; strategic and missile defense systems; space observatories; and interplanetary spacecraft.

While at LMS, Joanne led multiple space exploration efforts that included the development and launch of JUNO, a Jupiter-bound exploration vehicle; the missions of Gravity Recovery and Interior Laboratory (GRAIL); and Phoenix Lander, a Mars exploration vehicle. Under Maguire's leadership, LMS also began the design and development of the Orion Multi-Purpose Crew Vehicle, NASA's next-generation human spacecraft.

Prior to Lockheed Martin, she spent 28 years at TRW's Space and Electronics sector, assuming progressively responsible leadership roles in engineering and technology, programs, manufacturing and business development, culminating in her appointment as deputy to the sector CEO.

Maguire, an advocate for inclusion in the space ecosystem, increased the number of women in leadership and executive roles while at LMS. She was an executive sponsor for the corporate-wide Women's Leadership Forum and a key leader of Lockheed's LGBTQ Leadership Forum.

Recognized as a trailblazing woman executive in space, Maguire is the first female recipient of the prestigious International von Kármán Wings Award from California Institute of Technology, and, in 2009, she received the Society of Women Engineers' Upward Mobility Award for pioneering work in aerospace engineering and diversity management. Joanne was ranked

numerous times in Fortune magazine's 50 Most Powerful Women in Business and was inducted into the Colorado Women's Hall of Fame in 2014. In 2017, UCLA named her Engineering Alumna of the Year. Her professional accolades include selection as a fellow of the American Institute of Aeronautics and Astronautics (AIAA) and election to the National Academy of Engineering.

Maguire currently serves as independent director on the boards of CommScope Holding Company, Visteon Corporation, and TetraTech. Active in her support of nonprofits, she is a board member for Draper Laboratory (an independent nonprofit research and development organization) and serves on the Dean's Executive Board at UCLA's Samueli School of Engineering.

Commenting on Maguire's selection for the award, Space Foundation CEO Tom Zelibor said, "All of us at Space Foundation are deeply humbled and honored to present Ms. Maguire with the prestigious Hill Award. The enormous impact of her many works — technically, operationally and programmatically, here on Earth and beyond — have changed our world and universe for the better. From enhancements to weather satellites that have saved countless lives and property globally to pioneering new missions and discoveries on Mars and around Jupiter, her career and leadership are a tremendous inspiration."

Named in honor of Space Foundation's late, longtime chairman, Gen. James E. Hill, USAF (Ret.), the award recognizes outstanding individuals who have distinguished themselves through lifetime contributions of 20 years or more to the welfare or betterment of humankind through the exploration, development and use of space, or the use of space technology, information, themes or resources in academic, cultural, industrial or other pursuits of broad benefit to humanity.

New TRA Members

Margaret Brewer	Torrance, CA
Kathy Dacey	Redondo Beach, CA
Joseph Hawthorne	Prescott, AZ
Kristi Ninegar	Manhattan Beach, CA
Lynne Showalter	Lawndale, CA
Stepan Simonian	Torrance, CA
Michael Tierney	Redondo Beach, CA
Lynne Topel	Redondo Beach, CA
David Zabalaoui	Rancho Palos Verdes, 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.

Enclosed is your update to the 2020 TRA Member Directory. This booklet contains changes and additions reported by our members since the 2020 Directory was printed. We plan to print a new Directory next year. Thank you for being a member!

TRA for Northrop Grumman Retirees

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

2022 Officers

Dena Bouskos	President
Mary Ann Chory	Vice President
Pam Overton	Secretary
Joyce Komatsu	Treasurer

2022 Directors-at-Large

Charles Clendening, Bob Doll, Marcy Morrison,
Michael Narigon, Jim Nelson, Carol Schamp,
Steve Smith, Stephanie Sundius, Jack Trost

Archives Coordinator: Robert Doll

Email Coordinator: Jim Nelson

Membership/Facebook Coordinator: Stephanie Sundius

Website Coordinator: Steve Smith

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

Publication Staff

Editor: Michael Narigon

Contributor: Pam Overton, Stephanie Sundius

Copy Editors: Kim Lewis, Carol Schamp

Contacting TRA

By Email:

TRA@tra-spacepark.org - Your email questions will be routed to the appropriate source. Also, if we have your e-mail address, we can notify you of information of interest to our TRA members. Send us an email to get added to the TRA email list.

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.

By Mail:

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

By Phone:

The pandemic has limited our office hours and email is the best way to reach us. If you need to phone, call 310-813-7745 to reach our voice mail.

For Membership:

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

TRW/NG Retirees Meetings Around the U.S.

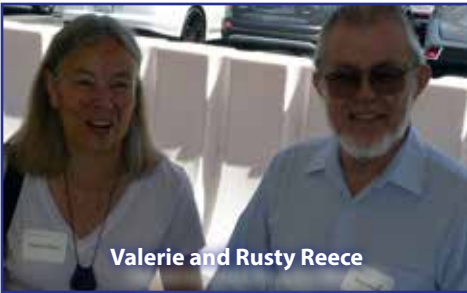
E-mail or call the contact to make sure the event is occurring before you go. Changes from last issue are marked in **bold**.

If you have a group that you would like to have listed here, please contact us by email at tra@tra-spacepark.org.

GROUP	MEETING LOCATION	DATE & TIME	OTHER INFO	CONTACT
TRA Board Meeting	Zoom	3rd Wednesday, 9:30 AM, Monthly except December	Decisions, planning and actions on archives, events, NNG, coordination with NG	All members welcome. Contact TRA to receive meeting link
ATD Friends & Colleagues	Send ideas for meeting location	1 November 2022, 11:00 AM	Social, Nostalgia, Lunch	Jack Trost, Dena Bouskos, Cindy McCully 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, 5:30 PM	Social	Tom and Vicki Moore 828-808-0457 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	Red Lobster	2nd Tuesday, 11:30 AM	Lunch and Social	Jim Troy 850-797-0044 jtroy28x@gmail.com
Northern Virginia	Zoom	3rd Friday, 11:30 AM	Social	Jim Miller 703-483-5448 jmiller158@gmail.com
Utah	Layton Cracker Barrel	1st Thursday, 8:30 AM	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	Various Locations	2nd Wednesday, 11:30 AM	Social	Sue Marbut 951-723-1157 dnsmar@verizon.net
The Mountain Folks	On hold due to Covid-19		"We do have fun!"	Carl Winkelman 303-693-0034 winkelman@att.net
TRIN	Zoom	2nd Thursday, 1:00 PM, Optional lunch at 12:30	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

TRA's Summer Reunion June 29, 2022

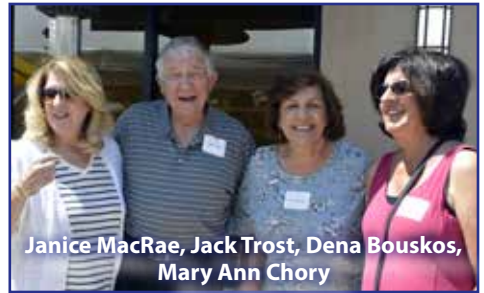
We met at the Marmalade Cafe in El Segundo for our first Summer Reunion and in-person get-together since the start of the pandemic. We enjoyed lunch and conversation in their outdoor tent. These photos are by Mary Holcomb. To see all her photos of this event, visit www.tra-spacepark.org.



Valerie and Rusty Reece



Marmalade Cafe



Janice MacRae, Jack Trost, Dena Bouskos, Mary Ann Chory



Richard Kurland, Michael Balale



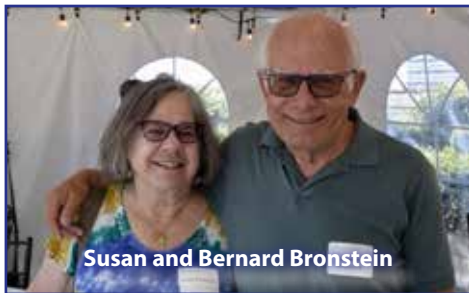
Miriam and Samuel Greenschlag



Thomas Garcia, Marie Qualiotto



Carla Duncan, Charleen Fitzgerald



Susan and Bernard Bronstein



Judy Stewart, Richard Sherwood



Patrick Shea



Suresh Pillay



Elva Reed



Cathy Wittig



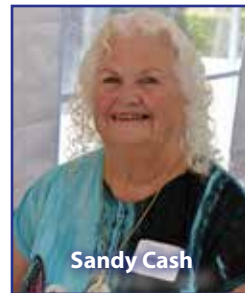
Ellen Jenkins



Karen Herrin



Ronald Sobchik



Sandy Cash



Pam Overton

TRA's Summer Reunion June 29, 2022

These photos are by Mary Holcomb. To see all her photos of this event, visit www.tra-spacepark.org.



Valerie Nesbitt, Margaret Brewer, Victoria Carter



George and Michelle Reppucci



Esau Wilder, Kim Brooks, Jacob Wilder



Guy and Janet Talbot



Nanci Shawger, Mark Ford, Nancy Andreas



Shirley Donoff Eshbaugh, Bob Eshbaugh



Astrid Gronwold, Fran Paxson



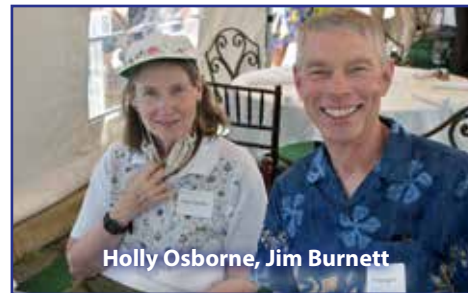
Bill King, Lynn Bridgman



Jerome and Diane Klayman



Emma and Ray Sczesniak



Holly Osborne, Jim Burnett



Carol Schamp, Charles Clendening



Bob Burns



Pamela Hunter, Dale Hoffman



Dale Mooney

Did You Know?

By Stephanie Sundius

Did you know that TRA on-line resources include a website and a Facebook group?

The website, www.tra-spacepark.org, is a great place to learn about TRA. You can use the website to join TRA, renew your membership by credit card or PayPal, update your membership information, and register and pay for TRA social events.

TRA members with website accounts can also find and connect with other TRA members. The member search function allows you to find other members who live in your neighborhood, worked in your organization, or worked on your project. Members can also view and download from our archive of No Name Gazette newsletters and photos of TRA social events. We have pages on TRW history and recent news and have information from our TRA chapters and meet-ups around the country.

You need to register for a website account as we do not automatically create one for you with your TRA membership. On the home page under the "Welcome to the TRA Website" banner, click on the "Online Account" link to create your on-line account. Once registered you will be able to access all of the resources on the site.

The Facebook group, NG/TRW (<https://www.facebook.com/groups/1785434901701597/>), is a closed membership group and currently has over 2,800 members who currently work at or are retired from Northrop Grumman/TRW.

The purpose of the group is to support social connection primarily among people who were legacy TRW employees. Selling products or services is not allowed, and we stay away from politics, religion, and negative comments about TRW or Northrop Grumman. Of course, we don't allow any proprietary or protected information.

The group started out in 2016 as primarily a retiree group, and has evolved to include people still working at the company. The "TRW"-shared experience is still the primary theme, but as time passes, it also includes post-acquisition connections.

There have been some interesting conversations and postings about shared history and memories, and life approaching or in retirement. It is a fun way to stay in touch with people via social media. Conversation threads that generated a lot of involvement included: moving out of California (over 100 responses), unexpected work opportunities, career game changers, and lessons learned from some of the retirement inflection points (before, at, after).

Membership in the group is controlled. Content is viewable only by group members. You can be added to the group in one of three ways:

- Existing group members can add people with whom they are already Facebook friends (we ask that existing group members only add people who meet the group criteria).
- Anyone with a Facebook account can go to the group and request to be added. On Facebook search for "NG/TRW" to find the page, or go directly to the above URL. A group administrator then approves the join request after having a group member vouch for the applicant. Many thanks to the group members who help in vouching for people.
- A group administrator can add a person if they know the email account associated with that person's Facebook account and know that they worked at the company. Send a request to tra@tra-spacepark.org to get started.

IN MEMORIAM

Bowman H. Evans, October 3, 2021. Bowman worked at TRW from 1956 to 1992 and retired as the District Manager in Burlington, Massachusetts.

Gerry Holleman, 80, June 11, 2022. Gerry retired from TRW in September 1998, having worked as a Senior Staff Engineer in the Advanced Technology Division. He earned his Ph.D. from Indiana University in 1966, served in Vietnam in the U.S. Army, then did post-doctoral work at MIT before joining TRW. Gerry was a laser physicist who developed advanced prototypes for many types of laser systems. Outside of work, Gerry and his wife, Pat, were tenacious mountaineers and skiers, having summited many of the highest and most challenging summits in California's Sierra Nevada mountain range.

Joan Merritt, 75, June 25, 2022. Joan worked for TRW for over 30 years in Marketing (Exhibits) and Proposal Operations where she was a technical editor and production coordinator. She retired in 2004, returned to work the occasional proposal now and then, but mostly spent her time traveling with friends, cheering on her grandsons at their baseball games and sports events, and living the good life!

The first step in notifying Northrop Grumman of a retiree's death is to call the Northrop Grumman Benefits Center. If the deceased was a member of TRA, please notify TRA whether you want the NNG continued or you want to be removed from future mailings.

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 request 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.

HAPPENINGS AT NORTHROP GRUMMAN

Northrop Grumman Selects Airbus to Supply Satellite Buses for U.S. Military Constellation

Northrop Grumman announced it selected Airbus as its satellite bus supplier for the U.S. Space Development Agency's (SDA) low Earth orbit constellation.

Northrop Grumman in February won a \$692 million contract from SDA, one of three companies selected by the Pentagon's space agency to each produce 42 satellites projected to launch in 2024.

Airbus U.S. Space and Defense, headquartered in Arlington, Virginia, will produce satellite buses for the Transport Layer Tranche 1, a mesh network of small satellites to support military communications, surveillance and tracking of enemy targets. SDA plans to launch Tranche 1 satellites in late 2024.

Northrop Grumman will use the Airbus Arrow 450, a new commercial platform that will be produced at the Airbus OneWeb Satellites factory in Merritt Island, Florida. The factory is an Airbus-OneWeb joint venture.

Happenings - continued Page 6



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mailed in September.**

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The Arrow 450 bus — designed to be scaled from 300 kilograms to 500 kilograms — is significantly larger than the Arrow 150 used in the OneWeb constellation. Northrop Grumman is the company's first customer for the larger bus, said Debra Facktor, head of U.S. space systems at Airbus U.S. Space and Defense.

The first Arrow 450 is scheduled to roll off the assembly line by fall 2023, Facktor said. "We've been working on the design for a while," she added. "And we are also adapting the factory to accommodate a higher level of security and processing required for U.S. military satellites."

Airbus has produced over 400 buses for OneWeb, and more are being manufactured to complete the planned 648-satellite constellation. Facktor said the company plans to leverage the OneWeb supply chain and vendors as much as possible for the larger Arrow 450.

Under the contract with Northrop Grumman, Airbus will provide buses as well as integration, testing, launch support and space vehicle commissioning services.

"We are pleased to have Airbus U.S. as one of our key commercial suppliers for this significant national security mission," said Blake Bullock, Northrop Grumman's vice president of communication and strategic space systems.

For the Tranche 1 contract, Northrop Grumman will build satellites integrating the Airbus platform with government and industry payloads, including optical communications terminals made by Mynaric. The other two prime contractors for Tranche 1 are Lockheed Martin and York Space Systems. Lockheed Martin will be using Terran Orbital satellite buses. York Space manufactures its own buses in-house.

Northrop Grumman Announces Successful Laser Communication Demonstration for Prototype SDA Constellation

Northrop Grumman announced the successful ground demonstration of a secure networked laser communications system for proliferated-LEO constellations supporting the U.S. military.

Performed for Space Development Agency (SDA) leadership, the demonstration validated compatibility between commercially developed laser communication and secure U.S. government encryption hardware, providing a baseline for Northrop Grumman's future proliferated space crosslink communications offerings including SDA's Transport and Tracking programs.

"We invested in this demonstration because we wanted to reduce key risks early in development," said Blake Bullock, vice president, communication systems, strategic space systems, Northrop Grumman. "Our team focused on speed and optimizing the best of emerging commercial suppliers like Mynaric and Innoflight — while bringing the mission expertise unique to Northrop Grumman to test and field this prototype constellation."

Northrop Grumman selected Mynaric as a strategic supplier for laser communications in space, and Innoflight for encryption, decryption and other key aspects of Northrop Grumman's architecture.

Mail Pouch Items

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.