

TRA's

No Name

GAZETTE

For Northrop Grumman & TRW Legacy Retirees

VOL. XXV NO. 1 Renew

January/February 2013

It's Membership Renewal Time

HAPPENINGS AT NORTHROP GRUMMAN

Aerospace Systems Sector (NGAS)

- **PACIFIC MISSILE RANGE FACILITY, Hawaii** — The Space Tracking and Surveillance System (STSS) demonstration satellites, built by a NGAS and Raytheon team for the U.S. Missile Defense Agency, collected data during an Aegis Ballistic Missile Defense test June 26. It will be used to create a concept of operations for future space-borne, operational missile defense sensors.
- **SAN DIEGO** — NGAS and the U.S. Navy added a second Triton unmanned aircraft to ground testing efforts in late September, part of an initial step in preparation for flight operations. Two Triton unmanned aircraft systems are being used to flight test and mature the system for operational use. The first Triton entered ground testing in July after production concluded in June. In 2008, the company was awarded a systems development and demonstration contract to build two aircraft and test them in preparation for operational missions. The Navy's program calls for 68 Tritons to be built by late 2015.
- **PATUXENT RIVER, Md.** — NGAS and the U.S. Navy have conducted the Navy's first catapult launch of an unmanned system using the X-47B Unmanned Combat Air System (UCAS) demonstrator. The test was conducted at a shore-based catapult facility at Naval Air Station Patuxent River, Md. It marks the first of several shore-based catapult-to-flight tests that will be performed before the Navy's UCAS Carrier Demonstration (UCAS-D) program catapult launches the X-47B from a ship. In 2013, the program plans to demonstrate the ability of an X-47B to operate from a Navy aircraft carrier, including launch, recovery and air traffic control operations.



By Frank Warren

Our records indicate that your membership expired in 2012.

TRA membership is a real bargain at just \$10.00 per year! The NNG will keep you informed about; news from Northrop Grumman, Space Park; medical information updates; the informative and humorous Mail Pouch with information about our members; the Spring Fling (April); the Annual Membership Meeting (June); and the Holiday Party (December).

To renew, please submit the attached form with your check. The renewal form also can be downloaded from our web page: www.tra-spacepark.org. One year renewals are welcome as are renewals for more than one year, which reduces our in-house paper shuffle. **(Warning: when you date your check, remember it's now 2013. Each year our banker bounces a few checks because of a previous year's date!)**

Membership Renewal for 2013 (and beyond)

Name: _____

Address: _____ Tel: _____

City: _____ State: _____ Zip: _____

E-mail address (please print legibly) _____

Membership No: _____

(From mailing label on back page)

Annual dues are \$ 10.00 per year.

I would like to renew for:

\$10 for 1 yr. \$20 for 2 yrs. \$30 for 3 yrs. \$40 for 4 yrs..

Signature: _____ Date _____

Please mail with your check to:

TRA PO Box 1276 Redondo Beach, CA 90278

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

TRA for Northrop Grumman Retirees

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

2013 OFFICERS

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

2013 DIRECTORS-AT-LARGE

Budd Cohen, Dennis Goodno, Ira Green, Rose Marie Keidel, Marcy Morrison, Carol Schamp, and Jack Williams.

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

Publication Staff:

Al Hausrath, Editor; Frank Warren, Contributing Editor; Tom Carroll, Kathy Hanken, Roger Harmon, Mary Holcomb, and Del Suarez, Photographers; Lee Rathbone, 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 at infrequent intervals. 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	Hacienda Hotel El Segundo	1st Monday in Nov. 11 a.m. to 2 p.m.	Social, Nostalgia and Lunch Res Deadline: Fri. 10/25/2013	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--343-2631 gzais@msn.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 W. University Drive, Huntsville	2nd Tuesday 11:30 a.m.	Social	Jim Troy 850-797-0044 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 fiftysumthn300@yahoo.com
Northern Virginia	Old Brogue Pub Great Falls, Va.	3rd Friday 11:30 a.m.	Social	Bill Gehrke 703-759-0527 wgehrke@att.net
NW Riverside County, Hemet	The Church of the Good Shephard Hemet, Calif.	4th Thursday 11:00 - 2:00	Social	Rosalie Moyer 951-925-1214 Glenn Ortiz 951-679-1015
Ogden	Cracker Barrel Restaurant Layton, Ut.	1st Thursday Breakfast	Social	Fred Zeuthen 801-476-0656 fzeuthen@earthlink.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 in the Temecula/Murrieta Area	Third 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	Community Room, WFCU Western Way, Torrance, Calif.	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

IN MEMORIAM

Name	Date of Death
Robert Herzog	October 17, 2012
Cornelius "Chuck" T. Monnich	October 30, 2012
Verne Daniel Peabody	November 10, 2012
Mary F. Perez	November 8, 2012
Barry Pierce	November 26, 2012
Gary E. Runnalls	October 30, 2012
Phillip M. Seeberg	July 28, 2012
Leonard Urban	October 12, 2012

The first step in notifying Northrop Grumman of a retiree's death is to call the 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 submit the following by mail or email to the TRA office: name of the deceased; date of death; and the name of the person submitting the information.

Election Results

Thanks to all of you who took the time to vote, our Association has a new set of officers for 2013. They are:

- President Darrell Ausherman
- Vice President Dena Bouskos
- Secretary Jay Seidman
- Treasurer Robert Doll

Newly elected Directors are Budd Cohen and Dennis Goodno.

Continuing Directors are: Ira Green, Rose Marie Keidel, Marcy Morrison, Carol Schamp, and Jack Williams.

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, and 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.

Express Scripts (Rx)

www.express-scripts.com or 800-655-1971

A Legacy of TRW's Lunar Module Descent Engine

By Jerry Elverum

Each November for almost twenty years retirees and NGC alumni of the historic Applied Technology Division of TRW have attended a luncheon in the South Bay area. At these luncheons, the spirit of ATD lives on as members (now becoming fewer and showing signs of seniority) recall the many programs and successes of the past such as Apollo, Viking, Propulsion Systems for all of TRW's pioneering scientific and military spacecraft, development of almost all of the nation's high-power chemical lasers and an incredibly broad spectrum of cutting edge science, technology and science payloads. Those programs and technologies still form the basis of many of NGC's development programs.

Last year at the luncheon on November 5th, 2012, Jerry Elverum, retired Vice President and General Manager of ATD (1980-1990), provided interesting information about the heritage passed on from ATD's Lunar Module Descent Engine (LMDE) to the booster and upper stage rocket engines used in *SpaceX's* highly successful new commercial launch vehicles. The LMDE utilized a propellant injection system concept that was unique among all other rocket engine injectors. It consisted of a single pintle element located in the center of the injector face. In addition to making it possible to throttle the engine using a single moving sleeve, the central location provided complete dynamic stability against the devastating combustion instabilities that plagued all other large liquid propellant rocket engines.

The scalability and stability of the central single pintle injector geometry was demonstrated over many years by TRW at thrust levels from 5,000 to more than 600,000 pounds of thrust utilizing many different propellant combinations. (Recall the "BIG DUMB BOOSTER" projects.) Therefore, when *SpaceX* was first formed about ten years ago with a goal of getting into the commercial launch vehicle business, they looked for a scalable low-cost rocket engine concept that would assure reasonable performance and no destructive combustion instabilities. They hired a young ATD rocket engineer named Tom Mueller and a couple of other ATD engineers who had worked on pintle injector engines to develop such a rocket engine. They incorporated simple gas-generator driven pumps to permit operation at chamber pressures much higher than the pressure-fed LMDE. That selection was proven to be totally successful. Tom Mueller is currently Vice President of Propulsion at *SpaceX*.

The single sleeve variable thrust technology of the LMDE is also used at *SpaceX* for their new Super Draco throttling engine for the man-rated version of their Dragon Payload Capsule. Thus, the spirit of ATD propulsion will live on in today's and future *SpaceX* launch vehicles and manned capsule applications.



TRA's Holiday Party

December 7, 2012

The Ports O'Call Restaurant in San Pedro was again the site of our annual Holiday Party. These photos are by Mary Holcomb. To see all the photos, visit our web page at www.tra-spacepark.org



President Jack Trost



Midge Trost



Bob Henrich



Bonnie & James Winsor



Kathryn Zogorski



Nickie Devine Bill & Muriel Berks



Leo & Ann Piro



Jean

Rosalia



Sonya Moses Karin Petersen



Lourdes Monzon Bea Harris Pat Shea



Stan Rieb Ray



Cathy



Bernie & Susan Bronstein



Paul Nordin



Bill Holcombe Allen Parker



Patty & Paul Galletta



John & Marina Piacentini



Beverly Rich



Patricia de la Cuesta Janet Clements



Dick Sherwood Judy Stewart



Cliff Pang



Jerry & Jo Sfeer



George & Michele Ruppacci



Brenda



Mary



Nickie



Brenda & Ron Haky



Dean & Georgette Davison



Al Edwards

ATD Colleagues and Friends Luncheon

Reported by Carol Schamp

The annual luncheon of the Applied Technology Division was initiated by Sandy Friedfeld, Don Brown, and Bob Traylor in about 1992. This year 83 attended the luncheon at the Hacienda Hotel, where next year's luncheon will also be held the first Monday of November. In addition to the chance to reconnect with many friends, everyone enjoyed the presentation by the former ATD VP and GM Jerry Elverum about the strong heritage passed from ATD to SpaceX work. You can read Jerry's report on page ?? of this issue.

Many folks assisted in the effort, most especially Dena Bouskos, Cindy McCully, Gary Moir, and photographers Fred Koehler and Jack Trost. For the complete file of all their unedited photos go to our web site www.tra-spacepark.org and select "Photos."



The Event Organizers
Carol Schamp, Don Reeves, Jack Trost



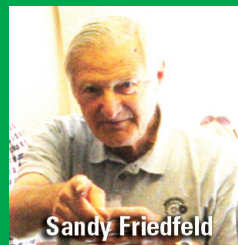
Bob Traylor



Cindy McCully Dena Bouskos



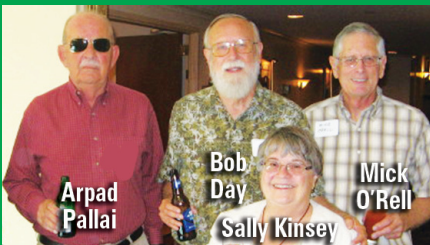
Herb Suer Jerry Elverum Tommy Thompson



Sandy Friedfeld



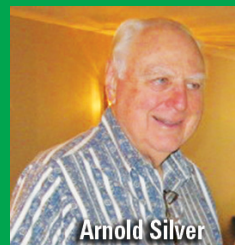
Tom Coffey Gary Moir Frank Stoddard Don & Margie Brown



Arpad Pallai Bob Day Mick O'Rell Sally Kinsey



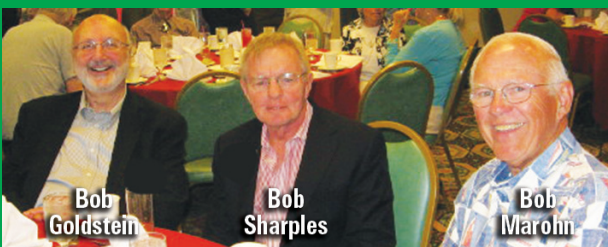
John Sellars



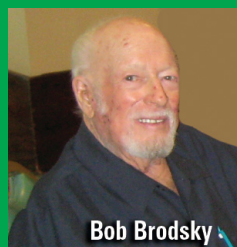
Arnold Silver



Alan Eskovitz Gary Rosiak



Bob Goldstein Bob Sharples Bob Marohn



Bob Brodsky



Rocky Mondello Doug Gordon Les Deemer



Sharon Cavin



John Stammreich



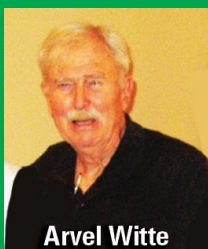
Dwight Moberg



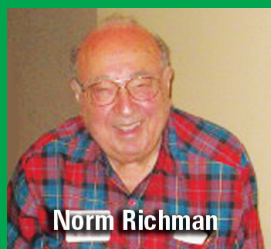
Bud & Bea Cohen



Tom Romesser Mel Wong



Arvel Witte



Norm Richman



Bruce Marcus Hal Adelson



Don Fritz

A Silver Anniversary! TRA is 25

Reported by Budd Cohen

Wow! Can it be 25 years since our Retirees Association was formed? Perhaps this is the best example of "Time flies when you're having fun."

Beginnings

In 1988 TRW encouraged us and helped us to start our "club." They even printed mailing labels for us to send invitations to all retirees to join us. Our gratitude still goes out to Jeff Wilkens, Sector Vice President of Human Resources, Don Jacobs, Deputy Sector General Manager for Internal Operations, and Jean George, our original TRW Advisor, for subsidizing our initial budget and making many helpful suggestions, such as registering our organization with the State of California as a separate and independent corporation.

Founders

Our initial motivators (Founders) were a group of recent retirees who conceived the idea of a group which would share memories, keep in touch with other ex-colleagues and friends, meet once in a while, share advice on issues of importance, and have fun doing these things. They were: Bob Crowe, Dick Luebben, George Lee, and TRW advisor M. Jean George. The founding steering committee included Ethel Curtis, Merle Darling, Jim Holland, Jeanne Lucke, Herb Rosen, Gladys Skinner, Chet Stevenson, Joe Twitchell, and Jack Whalen.

Obviously, their ideas clicked, as history shows, and we are forever grateful to them for that. They chose a Chairman, who was soon elected as the first president of TRA, namely, Bob Crowe. It is great that several of them are still with us after 25 years! We miss the others, especially Bob. Because of his experience with human relations, and his great personality and cheerfulness, he kept us going in difficult times and smoothed out the bumps in the road. I think it's fair to say that without his help we would have foundered.

Membership

We grew like Topsy. Within three years we had about 1700 members, and in five years, over 2600! TRW provided our mailing list at the start, which included all TRW retirees. It wasn't until August of 1993 that our mailing list included only paid members in TRA. Our membership topped out at 3960 members in 2000, just under our goal of 4000. Since then, Father Time has taken over, and at this writing we have about 2300 members including about 700 who are living outside the Greater Los Angeles area. We now have about a dozen "Chapters" located in many geographic areas outside of Space Park, including 35 States and three foreign countries.

Structure and Finances

Our original dues were \$5 per year and after two increases in 25 years they now stand at \$10. Not bad, only an average growth rate of 2.8%! And membership brings with it a subscription to our newsletter, and three social functions, one free to members and two subsidized by TRA.

Our current acronym, TRA, originally stood for *TRW Retirees Association*; but after TRW was acquired by Northrop Grumman Corporation we wanted to keep the same acronym, so in 2003 we changed our name to *The Retirees Association*. Our logo was created initially by Al Hausrath in 1993, and modified to the current logo in 2003.



We are governed by four officers: President, Vice President, Treasurer, and Secretary; and a Board of nine Directors, including the Immediate Past President to help provide stability and continuity. Our current president is Darrell Ausherman.

THE CONCLUDING PORTION TO THIS ARTICLE WILL APPEAR IN THE NEXT ISSUE OF THIS NEWLETTER.

Future TRA Events

Alice Lord Spring Fling	Mid April, 2013
Annual Business Meeting	June, 2013
Holiday Party	Friday, December 6, 2013

NG Curtails Space Park Retirees' Fitness Program

Aviation High School in Redondo Beach was adjacent to the TRW Space Park facility. When the High School was closed in 1982, the city turned the athletic facilities and the auditorium into Aviation Park. The athletic facilities there include a lighted track and field, a large gym, a small gym, a dance room, locker rooms, and restrooms. NG has leased three exercise rooms from the city and utilizes it for their employee and retiree fitness programs.

As of January 1, 2013, retirees and family members of active employees will no longer have access to the NGAS gym. All affected by these cancellations will be given a refund for the unused portion of their memberships.

TRA believes this is an extremely short-sighted policy that shows NGAS's lack of concern for its former employees, especially with regard to retiree health issues. Many responsible corporations are trying to control medical costs by encouraging health wellness practices among the people that they insure. The amount of money saved by this policy is inconsequential compared to the loss of good will among present and past employees.

TRA

P.O. Box 1276
Redondo Beach, CA 90278

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Torrance, CA

**Your Membership expired in 2012.
A handy renewal form is on Page 1**

**The next NNG will be
mailed in early March**

THE MAIL POUCH

◆◆◆The TRA-Huntsville chapter leader is **Jim Troy**, who is great at keeping his members informed with frequent emails. Here are a few of his recommendations to his readers about to visit Los Angeles: Allow 2 mph speeds between venues – Do visit Getty Museum – Drive all of Sunset Blvd beach to Olivera Street and stop there (taquitos at the far end) – Don't stay near the airport – Stick with the 2% good parts. Email him at jtroy@troysig.com to get his full list of dos and don'ts◆◆◆**Pat and Mike Roberts** are busy celebrating, first, their 45th wedding anniversary with a trip to Maui, and then her 50th high school reunion in Newport Beach next summer. Pat has retired from retiring. She retired from the Henderson (NV) Libraries, but the books are still on her mind, so she goes back to the library as a volunteer, as well as volunteering at the Bird Viewing Preserve, the Clark County Museum, and at two election campaign offices◆◆◆**Jakob Partna** worked for TRW for a long time, one diamond and two emeralds worth (on his last anniversary pin). He asks for the "code" and about the value of the stones. Here's the color code on these pins: 5 yrs., 3 rubies – 10 yrs., 3 emeralds – 15 yrs., 1 diamond 2



By Al Hausrath

rubies – 20 yrs., 1 diamond 2 emeralds – 25 yrs., 2 diamonds 1 ruby – 30 yrs., 2 diamonds 1 emerald – 35 yrs., 3 diamonds – 40 yrs., 1 large diamond, 2 small diamonds – 45 yrs., 2 large diamonds, 1 small diamond, and for 50 years, 3 large diamonds. According to **Bobbie Love**, formerly Manager of Employee Services, that's real gold and diamonds in the pins, but the emeralds and rubies are not. (I DON'T KNOW WHEN THIS PROGRAM WAS DISCONTINUED. IF ANY OF OUR MEMBERS HAVE A 50 YEAR PIN PLEASE LET THE MAIL POUCH KNOW. ED.)◆◆◆And speaking of **Bobbie Love**, she emails from the garden isle of Hawaii, Kauai, that she does occasionally come back to CA, either to catch a cruise or to visit friends in Manhattan Beach◆◆◆**"Chick" DiCamillo** writes that with five new g'g'kids and a new g'son-in-law, his family count is up to 35. Some health problems have caused him to move from his home in Winnetka, CA, to a nearby Assisted Living facility in Chatsworth. But for "just in case" he has kept his old home, too, and that's where his office and computer are. With daughters close by, his transportation needs are provided. He can be reached at 818-523-9673 or edicamillo@socal.rr.com◆◆◆