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MARS STAR



MARS Activities This Quarter:

Membership Renewal

2014 Annual Meeting

March 5, 2014 @ Denver West Marriott

OFFICERS

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Secretary	Linda Stearns	303-797-3557
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MARS STAR

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Denver	Pat Kenning	303-794-0357
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Vandenberg	Charlie Radaz	805-733-2051
ULA	Christa Bell	303-269-5551

CLUB CONTACTS

Bridge	Dave & Kathy Martz	303-683-9524
Dinner	Dave & Carol Zeller	303-971-0158
Golf	Bob Demoret	303-933-3802
Hiking	Sue Janssen	303-936-8339
Photography	John Chapter (Pres)	303-986-8277
EzyBytes	John Flater	303-794-6250

REMINDER:

If you move, please give the membership VP a change of address. Also, if you are a snowbird, let us know when you are leaving and when you plan to return so your MARS STAR can be sent to you. It costs us 70 cents for each STAR package returned.

(Published quarterly by MARS Associates, Retirees of Lockheed Martin Corporation and United Launch Alliance, Denver, CO)

DIRECTORS

Director	Larry Major (Chairman)	303-904-0439
Director	Gene Cody	303-770-9282
Director	Bev Dare	303-986-8406
Director	Terrie Hamen	303-840-5426
Director	Al Nemes	303-972-1800
Director	Bo Rodriguez	303-798-9157

IMPORTANT PHONE NUMBERS

LM Employee Service Center	1-866-562-2363
Savings Information Line (ING)	1-800-444-4015
Aetna Plans	1-888-562-8111
CIGNA Point of Service (POS) (Hourly Only)	1-800-244-6224
Kaiser Permanente	303-338-3800
PacifiCare – Hourly only	1-800-877-9777
LMHealthworks Plan	1-877-458-4975
MEDCO Prescription Drugs	1-877-458-4975
Vision Service Plan	1-800-877-7195
Delta Dental of Colorado	1-800-610-0201
Kay Girodo	1-800-610-0201, x609
kgirodo@ddpco.com	
Peliton Benefits	303-850-4798
LTC/Vision/Dental	
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Janet Saxon	x776

MARS Associates

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MARS Website: <http://www.marsretirees.org>

Cover:

L: Titan II Convoy in the mountains on their way from Denver to Vandenberg Air Force Base. See the Historian's Corner Article on page 9.

R: A United Launch Alliance (ULA) Atlas V rocket carrying a payload for the National Reconnaissance Office (NRO) lifted off from Space Launch Complex-3 on Dec. 5 at 11:14 p.m. PST. Designated NROL-39, the mission is in support of national defense (See page 18).



President's Corner

By Allen Sanders

(alsal75@comcast.net)

I hope all 203 attendees had a great time at the Holiday Celebration. I sure did. Check out all the smiling faces in the photos in the back pages of this STAR, and even more photos on our web site. The spirit of the season was very much in evidence. We collected many toys and \$753 in cash donations for Operation Santa Claus.

Our next major activity is the Annual Meeting at the Denver West Marriott Hotel on March 5. Look for the flyer in this mailing. This meeting is always a great opportunity to hear about the goings on in MARS for the past year and to recognize MARS volunteers who worked so hard for your organization. And of course there is always the fellowship & the food.

The MARS Associates Vernon B. Selby Memorial Volunteer of the Year Award recognition program is designed to acknowledge the accomplishments of MARS Associate members who make outstanding efforts and significant positive impacts to our communities through voluntary participation. Included in this mailing are detailed guidelines and a nomination form. Please consider recognizing a MARS member and then take a few minutes to fill out and mail the nomination form.

The MARS membership hidden number in the October STAR was 4005 and was on page 20, in between the first two paragraphs of the RAMM article. It belongs to Ruth Martin, but the free one year's membership was not claimed by her. Someone else now has a chance in this STAR. Find your membership number written out in words in this STAR. (Your number is on your membership card and on every STAR mailing label). Then call in to any Officer or Director before the next STAR publication in Apr, 2014 and the next year's MARS dues are free.

The Officers have recommended and the Board of Directors has approved a few changes to the MARS Bylaws and Policy Manual. The current version of these documents is posted on our web site. The changes, as usual, will be reviewed at the Annual Meeting, but one of them I will highlight now. Many times, MARS clubs have asked to allow membership in the club and participation in club activities by non MARS members. This request has been turned down on a number of occasions because participation is for MARS members only, per our Policy Manual. One change we now have approved is to allow Club members, who still must be MARS members, to bring non MARS members to club activities as their guests. The Officers and BOD hope this change will be welcomed by all.

The Volunteer button on the MARS web site has a section on Volunteer opportunities for helping out in our community, including tutoring at some of the local schools. Check them out, get involved.

I have described in past articles the many Lockheed Martin and United Launch Alliance activities we support through MARS volunteer help. The coordinator, for these activities and the volunteers who have supported the quarterly mailings and other MARS functions for many years, has been Hazel Chapman. She solicits the help and acts as the volunteer interface for many functions every year. Hazel is now moving on to other things, and I want to publicly thank her for doing such an outstanding job. Year in and year out, she made sure the volunteer activities were staffed and functioned smoothly. Judy Nielson will be the new Volunteer Coordinator. Thanks for stepping up, Judy, and please, everyone, give her the support you have given Hazel.

We are still looking for the owner of a pair of eyeglasses in a soft sided blue zipper case. The glasses were left at a MARS Dinner Club function. If they are yours, give me a call.

The first of March ends my term as President of MARS Associates. I have thoroughly enjoyed serving the MARS members as your President, just as I had when serving two years as President Elect under Bo Rodriguez and when serving four years as Membership Vice President. The opportunity to work with so many enthusiastic Officers, Directors and regular members in MARS has been very rewarding. I

highly recommend it to others in MARS. Thank you for your support and I will continue to see a lot of you at future MARS activities.



Next Up!!!

By Duane Del Duca
(ddelduca@comcast.net)

What a year 2013 was for my family. Fortunately 2013 is in our rear view mirror and 2014 is a fresh start. I trust that all of you are looking forward to a very good 2014, HAPPY NEW YEAR to all of you and we wish you good health and happiness.

We have quickly moved into winter especially during late fall last year. Brrr it was cold! I am reminded that your Annual Meeting will be coming soon so make your plans and submit your reservation. Bob Lines has selected a venue and the flyer is enclosed with this mailing.

Congratulations to Activities VP, Bob Lines and all who helped make this year's Holiday Celebration such a warm and enjoyable event. It is always such fun to see old friends and acquaintances at that time of the year. For those of you who were not able to attend, there are several photographs at the end of the STAR. See if you can recognize someone. We have been able to increase the size of the photos so hopefully the people are more recognizable.

We are still handicapped by having limited access to a list of recent Lockheed Martin or United Launch Alliance (ULA) retirees so if any of you know of someone who is a recent retiree, let one of the Officers or Board members know and we would be delighted to contact them. It is through new members that we will be able to grow our organization. Also, MARS members reside worldwide so if you are located out of state, do not let that stop you. We are interested in everyone so send me or Barbara Espinoza an e-mail and we will contact the potential member.

As with past issues of the STAR, there is hidden a member's number. The member's number is in the

form of text and really does not fit within the flow of the article you are reading. That number is the membership number of someone who will receive a free year's membership if they notify an Officer or Board member. If you do not know your member number, it is included in your address label on this month's mailing or can be obtained from your Membership VP, Barbara Espinoza.

Again mark your calendar for the upcoming Annual Meeting. This is the time when you get the opportunity to enjoy a fine lunch, listen to a good speaker, and find out what kind of stewards we have been with your Club. It is important that we get your feedback because it is through this that we are able to form the Club that we all want.

Remember to look on the MARS Website for recent Lockheed Martin news items. We are getting these items from Lockheed Martin and are able to post them on the website.

LOCKHEED MARTIN APPOINTS LT. GEN. (RET) MICHAEL A. HAMEL AS PRESIDENT OF COMMERCIAL VENTURES

NEWTOWN, Pa., Dec. 18, 2013 – Lockheed Martin Corporation [NYSE: LMT] has appointed Lt. Gen. (Ret) Michael A. Hamel as President of Commercial Ventures, a major line of business within Lockheed Martin Space Systems Company (LMSSC). Hamel reports to Rick F. Ambrose, Executive Vice President of LMSSC.

Hamel succeeds Linda Reiners, who was named Vice President of Corporate Ventures. Hamel is responsible for leading and growing commercial satellite communications, remote sensing, and wind energy programs, driving program execution across existing commercial programs and managing related launch campaigns. A major focus of his role will be providing design-to-cost and design-to-schedule solutions that address customers' requirements for agility and affordability.

"Lockheed Martin has been the leader in providing cutting edge solutions for national security space and civil space customers for decades," said Hamel. "We recognize that a more robust commercial business is essential in driving commercial products and practices throughout

our organization, to reduce cost and schedule and deliver best value. I'm very excited to lead Commercial Ventures as we accelerate our cultural change that will benefit both commercial and government customers."

Before joining Lockheed Martin, Hamel was Senior Vice President of Corporate Strategy and Relations for Orbital Sciences Corp, where he was responsible for leading Orbital Science's strategic planning, product and business development, government relations and corporate communications. He served in the U.S. Air Force for over 30 years in a broad range of space operations as well as development, acquisition, policy and command positions. Hamel concluded his military career in 2008 as a Lt. General. In his later years in the Air Force, Hamel was Commander of the Air Force Space and Missile Systems Center and Air Force Program Executive Officer for Space, Commander of the 14th Air Force, served in senior command and staff positions at HQ USAF and AF Space Command and was Military Advisor to the Vice President on defense, arms control, non-proliferation and space policy.

Hamel holds a B.S. in Aeronautical Engineering from the U.S. Air Force Academy and a M.A. in Business Administration from California State University. He is a graduate of the Industrial College of the Armed Forces and the Program in National and International Security at Harvard University. He is a Member of the Council on Foreign Relations and an Associate Fellow of the American Institute of Aeronautics and Astronautics. He also serves on the Board of Directors of several corporations and advisory groups.

Media Contact: Dee Valleras, 215-497-4185;
dee.valleras@lmco.com

UNIQUE IMAGES, SPECTRA AND VIDEO OF SUN FROM NASA'S IRIS OBSERVATORY MADE AVAILABLE ONLINE

Lockheed Martin Designed and Built Mission Engages Science Community In Large Scale Collaborative Observations

PALO ALTO, Calif., November 6, 2013 – Calibrated science data – images, spectra and movies – from the Interface Region Imaging Spectrograph (IRIS) observatory, designed and built by Lockheed Martin [NYSE:LMT] for NASA, are being posted online at iris.lmsal.com. The primary goal of IRIS mission is

to gain understanding of the physical processes that create the chromosphere and heat the corona; this has long-term implications for understanding the genesis of solar storms.

"We couldn't be happier with the amazing quality of the images and spectra that IRIS is producing. Everywhere we look we see something new," said Dr. Bart De Pontieu, IRIS lead scientist at the Lockheed Martin Solar and Astrophysics Laboratory (LMSAL) in Palo Alto, Calif. "Getting this data out to the broader scientific community is crucial to the collaborative investigations that will ultimately allow us to tease out the secrets of the interface region."

The past six weeks of coordinated observations of IRIS and ground based observatories and the international fleet of missions in space have served to develop procedures and train both the IRIS and remote science planners to make the most effective joint usage of their resources. "Collaboration is at the heart of science, and we are fortunate for governments here and around the world that have supported Earth and space based solar physics observatories that enable us to focus many diverse scientific instruments on the same problem," said Dr. Alan Title, IRIS principal investigator and physicist at LMSAL. "Making simultaneous observations with IRIS and these other observatories, provides a unique opportunity to discover significant missing pieces in our understanding of energy transport on the sun."

IRIS was launched on June 27, 2013. The first science observations were obtained on July 17, 2013, It was designed and the mission is managed by the Lockheed Martin Solar and Astrophysics Laboratory of the Advanced Technology Center in Palo Alto. NASA's Ames Research Center, Moffett Field, Calif., is responsible for mission operations and the ground data system. The Ames *Pleiades* supercomputer is used to carry out many of the numerical simulations that are led by the University of Oslo. IRIS science data is managed by the Joint Science Operations Center of the Solar Dynamics Observatory (SDO) – run by Stanford and Lockheed Martin – where scientists can use the same set of tools to access data from IRIS, SDO and Hinode instruments.

The IRIS telescope was designed and built by the Smithsonian Astrophysical Observatory while Montana State University faculty and students

assisted in the design of the spectrograph. A large volume of science data is downlinked via Kongsberg Satellite Services, (KSAT) facilities through a cooperative agreement between NASA and the Norwegian Space Centre. NASA's Goddard Space Flight Center in Greenbelt, Md., oversees the Explorers program from which IRIS evolved.

Media Contact: Buddy Nelson, (510) 797-0349; e-mail, buddy.nelson@lmco.com

About Lockheed Martin

Headquartered in Bethesda, Md., Lockheed Martin is a global security and aerospace company that employs about 116,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration, and sustainment of advanced technology systems, products, and services. The Corporation's net sales for 2012 were \$47.2 billion.

From the Editor's Desk

Tom Pighetti (tjpighetti@q.com)

Linda Shupe (shupel@comcast.net)

If you come across an error when studying your STARS, please contact us so corrective action can be taken. Send an e-mail to Tom and Linda or snail mail to MARS Associates, Attn: Editor, P.O. Box 1128, Littleton, CO 80160-1128. Thanks in advance.



Activities Updates

By Bob Lines

(robtlines@hotmail.com)

The Holiday Celebration was a very successful event. We had over 200 people show up and as usual the Inverness Hotel did a great job. The food,

service, and room preparations were outstanding. I'm guessing that the super-cold weather we had the week before the event kept the reservation count low, but the day turned out to be full of sunshine and warmth. Needless to say, the camaraderie was superb and a good time was had by all. The feedback I got after the luncheon was most positive.

The favors this year were ballpoint pens inscribed with "MARS Associates". The leftover pens will be available at the Annual Meeting, first-come, first-served, no cost.

Speaking of the Annual Meeting, the flyer is enclosed and we are hoping for a good turnout. This is a new venue for us and I have checked out the Denver West Marriott Hotel. It is conveniently located off of I-70. It has very adequate conference rooms, complete with audio-visual equipment for our guest speaker. It also has great parking in back of the hotel, with access to the banquet area. To get to the back of the hotel, just spot the main entrance with the canopy, and head for the other side. The door to the banquet area will be on the North corner (left as you look at the back of the building).

The schedule of events is complete for next year. The schedule is as follows:

Annual Meeting – March 5th, Denver West Marriott Hotel

Rockies Game and Lunch – June 25th

Senior Luncheon – July 9th, the Inverness Hotel

Annual Picnic – September 3rd, Clement Park

Holiday Celebration – December 3rd, Pinehurst Country Club

I continue to look for new venues, so if you have suggestions or belong to a club that can accommodate up to 325 people for a plated lunch, let me know at robtlines@hotmail.com.



**SAVE THE DATE – JUNE 25, 2014
ROCKIES GAME AND PICNIC**

The flyer for this event will be in the April 2014 mailing, but mark your calendar now! Plan

ahead now for your group at this annual event. Member/companion-guest tickets are \$25 each and non-member seats are \$42 each (actual cost). Seating in Section 146 takes advantage of shade. If you need accessible seating for yourself and companion, whether for wheelchair seating, assistance from the gate or difficulty with the steps, be prepared to note that on your reservation.



Senior Fare

By William Schrott
wmschrott@msn.com

Again this year the Vern B. Selby Memorial Volunteer of the Year Award will be presented at the Annual Meeting. The nomination form and instruction for nominating someone are included in this mailing. Per the directions, completed nomination forms have to be received by Allen Sanders by February 15, 2014.

The MARS Associates Vernon B. Selby Memorial Volunteer of the Year Award recognition program is designed to acknowledge the accomplishments of MARS Associate members by their contemporaries. Outstanding efforts and significant positive impact to our communities through voluntary participation often go unrecognized. Among the program’s goals is to recognize members for their dedicated involvement that may have gone unnoticed. This program is intended to encourage participation and recognition of our membership. The Volunteer of the Year Award committee, comprised of MARS Associate representatives, votes to select a member each year based on outstanding voluntary contributions to a non-profit community based organization. The Vernon B. Selby Memorial Volunteer of the Year Award creates an opportunity for peer recognition and is designed to promote community involvement among the membership.

The criteria you should use to evaluate a person’s qualification are: Success of efforts, impact to the community, Duration of Sustained efforts, Number

of different activities, People affected by efforts, Degree of difficulty, and Time spent

The request for volunteers to fill open Officer and Board of Director positions has not been totally successful. Per the bylaws, an Election Nominating Committee meeting was held to find other possible candidates to fill the remaining openings.

As of this writing, the list of candidates is not complete. The new Officers and Board of Directors will be announced at the Annual meeting on March 5th at the Denver West Marriott Hotel. The details and cost are included in this mailing. I plan to have our vendors there so you can ask your questions and get some of the handout material they’ll bring.



Membership

By Barb Espinoza
barb.j.espinoza@comcast.net

MEMBERSHIP STATISTICS

As of January 1, 2014 MARS Associates’ active membership is 1,537 including 879 seniors. These numbers reflect an increase in membership of fifteen since October 2013. We experienced a reduction of thirty- three members during 2013.

Please welcome the following new or reinstated (*) members:

Colorado

- Arvada Richard & Ramona Berry
- Centennial Ervin & Barbara Lamb
- Colo Springs Arleen & Lee Elmstedt
 Kathleen Merrill & Orrin Todd
- Denver Thomas & Grace Leahey
- Grand Lake Tamara Petty
 Cecelia & Larry Roubidoux

Highlands Ranch	John & Sandie Bradford
Lakewood	Tom King
Littleton	Steve Breisch Lisbeth & Donald Kalstein Jack & Marilyn Munger Greg Worthington
Morrison	Marjorie & Roger Green William & Carole Horger
Pueblo West	John & Joan Denny

Other States

Palisade, MN	Thomas & Pamela Much
Sewell, NJ	Bruce & Sharon Winterstine
Pearland, TX	Charles Swenson

MARS Membership Renewal

Annual Membership Renewal forms are included with this mailing. Please complete *all* of the information requested and return your renewal form as soon as possible.

If you have friends who are Lockheed Martin retirees encourage them to become members as well. Thank you!

MARS Membership Unit

MARS membership is defined in the policy manual as a family unit consisting of the retiree and spouse (or significant other), although the membership card and mailing data are in the retiree's name. In the event the retiree dies, the spouse becomes the member in his/her own name and may remain a MARS member by continuing to pay the annual dues. Senior membership status (age 75 and above) is based on the retiree's date of birth, even for the surviving spouse member.

Change of Address, email address or phone number?

Please remember to include the MARS membership team in your list of people to notify when you move. We are still experiencing a number of STAR packages being returned for incorrect addresses. The United States Post Office does not forward bulk mail and MARS is charged for all returned mail.

In Memoriam Data

Please contact me or Roy Kannady with any information regarding the passing of a member or their spouse. We want to make sure their passing is acknowledged in the ***In Memoriam*** section of the STAR.

Please contact: Barb Espinoza, VP, Membership, at: MARS Associates, P.O. Box 1128, Littleton, CO, 80160-1128; Phone 303-338-0338; or email barb.j.espinoza@comcast.net.

**MARS Associates
In Memoriam**

By Roy Kannady

Members

Albers, Bill R. (D: Oct 2013)
(Survived by Sue C.)
Lakewood, CO
[HTTP://TINYURL.COM/MARS-1146A](http://TINYURL.COM/MARS-1146A)

Anthony, Serena T. (D: Oct 2013)
(Preceded by Maurice (D: May 2012))
Highlands Ranch, CO
[HTTP://TINYURL.COM/MARS-1340B](http://TINYURL.COM/MARS-1340B)

Brown, David "Dave" (D: Sep 2013)
(Survived by Margaret A. "Alison")
Encinitas, CA
No Obituary Published

Callies, Donald D. (D: Aug 2013)
(Survived by Maryann M.)
Hendersonville, NC
[HTTP://TINYURL.COM/MARS-1330A](http://TINYURL.COM/MARS-1330A)

Caughran, G. Walter "Walt" (D: Nov 2013)
(Survived by Katherine "Kathy")
Lakewood, CO
[HTTP://TINYURL.COM/MARS-1429A](http://TINYURL.COM/MARS-1429A)

King, Mary E. "Mimi" (D: Nov 2013)
Littleton, CO
[HTTP://TINYURL.COM/MARS-3110A](http://TINYURL.COM/MARS-3110A)

Kubala, Alfonse N. (D: Oct 2013)
Colorado Springs, CO
[HTTP://TINYURL.COM/MARS-0058A](http://TINYURL.COM/MARS-0058A)

Kuchler, Victor A. (D: Sep 2013)
Kuchler, Lois M. (D: Aug 2013)
Denver, CO
No Obituary Published

Mosher, Clifford H. (D: Nov 2013)
Denver, CO
No Obituary Published

Mosier, Evelyn J. (D: Nov 2013)
(Survived by Dwight L.)
Centennial, CO
[HTTP://TINYURL.COM/MARS-1841B](http://TINYURL.COM/MARS-1841B)

Sitter, Ramona R. (D: Oct 2013)
(Survived by Norman E.)
Denver, CO
[HTTP://TINYURL.COM/MARS-1852B](http://TINYURL.COM/MARS-1852B)

One eight nine three

Trinrud, Joyce (D: Oct 2013)
(Preceded by Orwin S.)
Lakewood, CO
[HTTP://TINYURL.COM/MARS-0932B](http://TINYURL.COM/MARS-0932B)

Non-Members

Belluschi, Shirley A. Ash (D: Sep 2013)
(Preceded by Frank (Jun 2003)
Wendell, ID
[HTTP://TINYURL.COM/MMCLMC-0149X](http://TINYURL.COM/MMCLMC-0149X)

Bombardier, Gerald "Gerry" (D: Dec 2013)
(Survived by Beverly)
Youngtown, AZ
[HTTP://TINYURL.COM/MMCLMC-0151A](http://TINYURL.COM/MMCLMC-0151A)

Lucero, David L. (D: Dec 2013)
(Survived by Daughter Lori Benson)
Littleton, CO
[HTTP://TINYURL.COM/MMCLMC-0151B](http://TINYURL.COM/MMCLMC-0151B)

Westfall, Cecil B, (D: Dec 2013)
(Survived by Marion W.)
Ouray, CO
No Obituary Published

Wheeldon, Harold Alan "Harry" (D: Nov 2013)
Aurora, CO
[HTTP://TINYURL.COM/MMCLMC-0150](http://TINYURL.COM/MMCLMC-0150)

Historian's Corner

Ray Ziehm (POC)
(rzandmm@comcast.net)

TITAN II (23 G) SHIPMENT FROM DENVER TO VANDENBERG

By Wesley J. Keith

It was decided early in the 23G Program to deliver the Titan II vehicles to Vandenberg Air Force Base by ground rather than air transport. Some refurbishment would be done in Denver and the vehicles shipped to VAFB for final rework. One of the first orders of business was to establish two over-the-road routes, one for summer and one for winter. Once the routes were selected surveys were conducted to make a list of: all obstacles along the routes; all overpasses, bridges, cables, "Off and On" ramps, and service stations to service the trucks.

A convoy consisted of two trucks with double-drop, extendable low-boy trailers, two autos large enough to carry "Oversize Load" signs and a tall striker antenna attached to the front bumper of the lead car, and communication radios. Personnel included two auto drivers, two truck drivers, an observer, and four armed guards. A detailed plan was prepared considering the route taken, weather projections, obstacles found during the survey, refueling stops, number of daylight hours, and the overnight stopping places. The convoy traveled only during daylight hours at a speed no greater than 55 MPH.



Photo #1 Shows Wide Load Sign and Tall Antenna, Lead Car Next To Stage I, Ready To Go.

The first shipment was prepared to move out on a clear Monday morning. We were in the factory at 0400 hours working off final items. Weather for the day was clear and we would have just enough daylight to reach our first overnight stop. As we started out the north factory door, an Air Force QC representative came running out and stopped us. Nothing in his paper work referred to anyone going out the door with a complete Titan missile. After about an hour of going up the Martin and Air Force chains of command, the problem was resolved and we were set to go. We had lost an hour of daylight but we felt we could make it up on our fueling stops.

Due to the one hour loss we had to stop at an alternate site in Las Vegas, New Mexico, as it was getting dark when we pulled into the parking lot. The first day of the trip went well and the guards were there to meet us. They would stay with the vehicle during the night while the convoy people rested.

At first light on day two, we relieved the guards and they headed out to the next overnight stop. They drove at a higher rate of speed so they would arrive several hours ahead of us. Hotel reservations had already been made for each evening stop. When the convoy arrived the guards had already slept, eaten and were ready for the night shift.

We had selected the overnight stays at truck stops with adequate parking space to safely handle our large trucks and tried to park the trucks where there wouldn't be a great deal of traffic. At one stop we pulled in and parked in the back of the lot with no other vehicles close to the trucks. When we relieved the guards the next morning the lot was full, and trucks loaded with 500 pound bombs were parked on each side of us -- so much for our parking strategy.



Photo # 2 Truck stop

As we approached potential problem areas such as an overpass, we would slow the convoy down so if there was a problem we could get safely stopped. If there was an "Off or On" ramp we would stop before getting to that point. The lead car would go through the underpass, and if there was no hit on the antenna, the observer would go under the bridge, chase out the snakes, and observe the vehicle to assure clearance as it went under the bridge. When overhead clearance was questionable and there were no access ramps, there was no choice but to slowly inch our way under the bridge. Sometimes we had to move to the left lane/shoulder in order to clear, blocking the entire highway, and on others we found that repaving had reduced the normal clearance height. We didn't take anything for granted. We expected the worst and hoped for the best.



Photo # 3 Under the bridge

On some roads, we encountered overhead cables and wires strung across the highway. If the vehicle would not clear, the observer would lift the cable with an insulated pole that we had brought along for that purpose while the vehicles were inched through.

We had one incident that really stirred everyone up. At 0507 one morning, the truck carrying Stage II rolled across the parking lot and hit another truck. When we pulled into the parking lot the evening before, the Stage II truck driver adjusted the trailer brakes and the truck brakes. He had the truck in gear so it would not move while making the adjustments. In the morning he got up, took the truck out of gear and started the engine, which built up necessary air pressure to operate the brakes. He then shut the engine down and left the truck, but did not engage the brake system. Approximately forty five minutes later the truck very slowly rolled forward striking another parked truck. A security guard tried to get into the truck as it was rolling, but the door

was locked. He said he thought about throwing himself under the wheels, but then thought better of it. Damage was limited to minor dents in the grill of our truck. We immediately took a note to add a provision to our parking procedure to henceforth place blocks under the wheels of both trucks anytime they were stopped and unattended.

Another unexpected event took place in the form of extremely high cross winds while crossing the Mojave Desert near Edwards AFB. In addition to the effect of the wind on our trucks, we noticed that passing semi-trucks were leaning at what appeared to be at dangerous angles. On some occasions we could even see daylight under their upwind rear wheels as they passed, and we decided it would be wise to pull off and wait for the wind to subside.



Photo # 4 Waiting for wind to die down

Our stop for that evening was planned to be at the airport in Mojave, California. Our vehicles were placed next to a hangar that was later the starting point for the first round-the-world flight by Burt Rutan.

When we arrived in Santa Maria, California, we were met with a police escort because our route went through the middle of town. People lined the sides of the road waving and cheering. We went to the main gate at VAFB and drove right through. The observer and lead car driver were congratulating each other on having successfully finished the job when the striking antenna hit something. Following a panic stop, we found an electrical wire strung across the road, and lifted it with the pole. The convoy followed through and headed for the Martin Vehicle Assembly Building. The building had controlled access and the observers' name was not on the list. The observer was not about to let the vehicle out of his sight until Martin QC had inspected

and formally accepted it. His name was added to the access list and the vehicle was inspected and found to have no problems.

The final trip report stated that the route followed was acceptable. All instrumentation on the vehicles showed that the forces placed on them were within limits. Some people were alarmed when they read the sentence about the Stage II truck rolling and hitting another vehicle. An explanation of the event seemed to get everyone on the same page with no further concern. The requirement for placing blocks under the wheels of the trucks was added to the transportation procedure. Eventually another route was also proved out in a similar fashion.

One question asked by some was why the autos had to be Lincoln Town cars. Our answer was because the large "Oversize Load" signs would not fit on any other rental car, and a heavy duty front bumper was necessary to mount the striking antenna. In all, thirteen Titan II vehicles were successfully shipped over-the-road to VAFB during the 23G program.

Bridge Club

By Dave & Kathy Martz
(martz20@comcast.net)

Here is a key quote: "Contract bridge is now almost 100 years old. It has maintained it's popularity over all these years because it is a game of unending fascination. It has something for everyone, is a game of problem solving and a game that you can play for love or for money."
One of our bridge players, Bill K., stated "Anyone that plays bridge with the MARS group cannot be allergic to nuts because we've quite of few of them in this group."

Please come join us at our monthly get together! All MARS members are welcome. We play on the **3rd Friday of each month at the Buck Community Recreation Center (Littleton) from 10 AM to 2 PM** (pack your lunch). The club provides the cards and all requirements for the games, as well as coffee, tea, and hot water for your enjoyment.

We have couples, as well as singles, playing. If you don't have a bridge partner, the club can

assist in finding one for you, if you let us know in advance.

If you have any questions, please contact any of the following Bridge Club Officers:

Presidents: Dave & Kathy Martz, 303-683-9524
Vice-President: Bill Kacena, 303-973-2685
Secretary: Theodore Bornhoeft, 303-933-9730

The 4th Quarter 2013 winners are as follows:

October 18 (4 ½ tables)

1st – Theodore Bornhoeft & Trudy White
2nd – Joe Pohlen & Maurice Larue
3rd – Bill & Mavis Kacena

November 15 (5 tables)

1st – Dave & Kathy Martz
2nd – Theodore Bornhoeft & Trudy White
3rd – Gen Lewis & Glenn Gerlach
4th – Loman & Pat Park

December 20 (5 ½ tables)

North-South 1st – Theodore Bornhoeft & Nica Romero
2nd – Dick & Madeline Maginn
East-West 1st – Maurice Larue & Joe Pohlen
2nd – Leo Johnson & Joni Rosenberger

Dinner Club

By Dave & Carol Zeller
nana_x8@q.com

The Dinner Club has been enjoying excellent participation each month, and we look forward to continued success. We're also receiving suggestions from members for new venues to try out. We really appreciate and encourage your input.

NOTE: Eye glasses left behind. *A pair of ladies eye glasses, in a soft zipper case, was left behind at Mt. Vernon Country Club at our November luncheon. We took them with us to the December MARS Christmas Luncheon, placing them on the badging table. They were not claimed. However, when we went to retrieve them, we were told that Allen Sanders took them with him. To claim these glasses, Allen's phone number is 303.973.4135.*

Venues booked so far for 2014 are as follows (by the time this arrives, we will already have done our January 14 luncheon at The Elephant Bar:

- February 12 **The Bistro at Aspen Grove**, lunch
- March 12 **Hacienda Colorado**, dinner
- April 16 **Pinocchio's Restaurant**, dinner
- May 13 **Garden Terrace at Inverness**, lunch
- June 17 **Wind Crest**, lunch

Given the huge response we receive each month, sending in your reservation and check as soon as possible is highly recommended.

Please remember that it is preferred that you send a single check to simultaneously reserve spaces for multiple Dinner Club events. Please do not combine Dinner Club events with other MARS events; those go to a different address. Also, **please remember to include the name(s) of guest(s) on the reservation slips.** This will greatly simplify preparation for your events.

We are very conscientious about taking and returning phone calls from all members concerning any questions, problems or issues. However, you may get our voice mail for any call that comes in "blocked call" or "private caller." We will always respond to your messages promptly, so **do leave a message.**

Blessing to all for a healthy and happy 2014!

Golf League

By John Alfeld
johna70@cpines.net

The flooding in September was so severe at Common Ground that they had to completely close the course for a period of time. They did re-open with a cobbled-together 9 holes. We decided not to play there under such conditions and the remaining events were held at Broken Tee, which did not sustain any flooding damage.

The last award for the year was made to John Alfeld for Most Improved.

In anticipation of next season, Common Ground is projecting the entire course to be open no

earlier than June 2014, and even this is not a firm date. We will have to decide whether to play the abbreviated course layout or seek a new course for the season. We do have a precedent for playing an abbreviated course in that we played Broken Tee while parts of it were under renovation. Resolution of this will be the first order of business in January.

Photography Club

By John Flater
(jflater@msn.com)

The MARS Photography Club meets the second Thursday of every other month at 1:30 PM in the Littleton Bemis Library meeting room. Sometimes room scheduling conflicts arise and the meeting date may have to be changed. The most current schedule can always be found on the main MARS web site as explained at the end of this report. Normally scheduled meetings for the year are February, April, June, August, October, and December. Meetings always feature a program of projected images presented by members or invited guests. **Visitors are welcome even if they are not "photo geeks".**

At many meetings, the subject of **the presentation is a TRAVELOGUE** in which slides or video of a vacation are shown and the presenter adds narration. If you enjoy seeing images and hearing experiences from others' travel vacations, give the MARS Photo Club a try. After the program we have a coffee break during which members share travel and photography tips.

Some programs are related to photographic techniques and tools and are illustrated by slides, prints and/or equipment. **If you** and/or your significant other **are interested in film or digital photography** join us then for interesting programs, fascinating photos and an opportunity to upgrade technical and creative photographic skills by sharing knowledge and experiences. New members and guests are always welcome at our meetings, so bring a friend if you like. Ideas, comments and suggestions for programs are appreciated.

In addition to the presentation, our meetings usually include a competition of images taken by club participants. The image subject matter may be Open (any subject) or for some competitions a specific subject matter. The competition prints category may be in color and/or monochrome (usually black and white). A participant may submit

up to three prints. Awards for 1st, 2nd, 3rd and Honorable Mention may be made depending on the number of images entered. Entries are judged and critiqued by invited judges or club members. After each meeting competition, the **Photography Club** page (section) of the MARS web site <http://www.marsretirees.org> is updated to show thumbnail images of the winning pictures and future meeting topics.

Recent Meetings

Thursday, October 10, 2013

The presentation was a **TRAVELOGUE**, titled "**A Photo Excursion to London, Norway, Iceland and the Faroe Islands, 2013**". **Presented by John Chapter**, the cruise was on the Cunard Queen Victoria from June 14 to June 30, 2013. John had a lot of images that showed the volcanic environment and rugged terrain for which Iceland is noted. But of great interest to the audience were the maps that showed the location of the Faroe Islands in the North Atlantic that was not known by most of the club members and guests. Family relationship of the ship's captain to the islands made this visit especially meaningful.

The competition subject was **"Open"**. The regular club photo competition included very interesting photos of **Open** subject matter. Judging was by John Chapter and winners were:

- 1st Place "Broken Gear" Art Golubiewski**
- 2nd Place "Two Bucks Alert" Jim Kummer**
- 3rd Place "Santa Fe Sun and Shadows
John Flater**
- 4th Place "Australian Beach Action"
John Flater**

Thursday, December 12, 2013 The annual Christmas Luncheon was at Englewood Country Buffet, 301 Englewood Parkway was well attended by 14 members and guests. Conversation during the meal touched on photo equipment and methods (no surprise). There was no regular photo competition but a number of members brought and displayed up to three mounted photo prints of varying topics including the holiday's season. Participating members gave brief remarks about the subject matter and notable features of each photo including the place where the photo was taken and the environmental conditions. A good meal and visitation was enjoyed by all.

Future Meetings

Thursday, February 13, 2014 at 1:30 PM in the Littleton Bemis Library meeting room. Unless another person volunteers, **John Chapter** will make a presentation on "**A Photographic Celebration of Bridge Images by an Anonymous Photographer**". This was previously scheduled for an earlier date but not presented.

To verify future meeting dates, competition subject and program topic: go the main **MARS** web site <http://www.marsretirees.org>, then - click "**Photography**" on the Clubs button at the lower left to get the photo club's webpage. Here you'll see **Check the Meeting Schedule below**. If the Program has the word **TRAVELOGUE**, it's a vacation show and-tell; the Competition topic is also listed. Come and enjoy both.

Competition reminder: Meeting photo competition entries may be prints as small as 4"x 6" to make it more practical for those using digital cameras to print images on their own printers. All submissions must be affixed to a mat board/cardboard or foam backing of at least 8"x10" or as large as 16"x20" for ease of handling and display.

Club Officers for the year were:

OFFICE	
President	John Chapter
Vice-President	Jim Kummer
Secretary	John Flater

Hiking Club

By Sue Janssen
(susan.g.janssen@gmail.com)

The new MARS hiking club is growing. We now have 27 members!

Bob Todd rescheduled the September hike from Kenosha Pass because the aspen had not yet changed their colors. On October 2, four hikers were rewarded with "bluebird skies" and brilliant golden leaves along the trail. We hiked about 7 miles round trip along Segment 5 of the famous Colorado Trail. To the north we could see North and South Twin Cone Peaks. After the hike, Bob treated us to a ride in his 4WD to an overlook for a panoramic view of South Park and Lost Creek.



Lee and Sue Janssen, Bob Todd, and Tim Budzynski enjoy the sunshine and fall colors on Kenosha Pass.

The second hike in October was in Castlewood Canyon State Park. It was a crisp morning, but the sun soon made the trail very pleasant. Bob and Linda Berry led the group down the canyon wall to the Inner Canyon trail. The trail winds through boulders, scrub oak, and willows. Anglers in the group spied trout lurking in some of the pools in Cherry Creek. We rested at the historic dam ruins and enjoyed views of the canyon. The scrub oak was brilliant red, orange and gold on the short climb out of the canyon along Lake Gulch trail. We rendezvoused at "Bud's Bar" for burgers and beer before heading our separate ways.



One of several creek crossings along the Inner Canyon Trail. Left to right: Sue Janssen, Lonnie and Paul Jones, Bill Kacena, Tim Budzynski, Mavis Kacena and Linda Berry. Photo by Bob Berry.

Ten club members met in November to discuss the club charter and to plan the winter outings. We decided to keep our hike on the third Wednesday of each month. The point of contact will determine the place and time to meet for

each hike. The liability waiver will continue to be used. The MARS website will be updated to reflect any changes to the schedule so be sure to check the "Hiking" page for the latest information and snapshots from our hikes. Thanks to all who provided inputs for club operations, ideas for outings and especially to folks who volunteer to be points of contact for a hike.



Hikers enjoy brunch at the Egg & I. Front row: Glenn Gibson, Bob and Linda Berry; back row: Joe Petty, Sally and Al Sanders, Tom Pawlowski, Bill McCandliss, Tim Budzynski. Photo by Sue Janssen.

Our first winter outing was December 18 to Roxborough State Park, near the LM Waterton facility. The park encompasses 3,329 acres with elevation ranging from 5,900 to 7,280 feet above sea level. The hike was led by 2 volunteer naturalists who pointed out "pictures" in the rocks, identified animal sign, recounted the history of the area, and answered questions about the geology, flora and fauna. Fifteen (yes, 15!) members walked along the Fountain Valley trail, stopping at the Lyons Overlook. The most striking feature in the park is the dramatic Fountain Formation where red sandstone is tilted 60 degrees from the valley floor. Other exposed geology includes the Lyons, Dakota and Morrison formations. The trail continued to the Persse Place. Henry Persse (pronounced "purse") constructed his stone house in 1903 from locally quarried stone with red mud used as mortar. He never lived in the house year round but used it for guests to promote his vision of a Roxborough Park resort. After peeping through the windows of the historic house we finished the loop trail at the visitor center. We are fortunate that the Colorado Division of State Parks purchased 500 acres of Persse's land to form Roxborough State Park and are continuing to expand this treasure for all to enjoy.



Overlooking the Fountain Formation along the Fountain Valley Trail. Left to right: Vicky Eberhardt, Jack and Marilyn Munger, Linda and Bob Berry, Bill McCandliss, Glenn and Jane Gibson, Sally and Al Sanders, Paul and Lonnie Jones, Bob Dawson, Sue and Lee Janssen.

Our January hike will be a snowshoe in Rocky Mountain National Park. The February outing is to Butler Gulch, near Berthoud Pass, and March is to Mayflower Gulch, near Fremont Pass. There should be plenty of snow to enjoy! We will hike in April, but have not yet decided where. The schedule of hikes is posted on the MARS website (<http://www.marsretirees.org/>). Even if you have never gone snowshoeing you are welcome to join in the fun.

If you wish to join the MARS Hiking Club, contact Sue Janssen at susan.g.janssen@gmail.com who will add you to the club distribution list. Happy trails!

The MARS Associates Website

By Jim Kummer
(jkummer@comcast.net)

The recent theft of credit and debit card information at TARGET and three of Blackhawk's casinos gives us all a cause for concern. The dates of the breach were published for each of these. If you used your card at any of these merchants during those time intervals, then your accounts could be compromised. You could be the subject of identity theft. You may have missed falling in the trap this time, but who knows if and when it'll happen again.

To protect yourself, it is advisable that you monitor your credit and bank accounts meticulously. You should check their monthly statements, of course, but even more often is recommended. If you haven't done it, it is easy

to set up internet access to your account to view current activity. If you GOOGLE the name of your credit card or bank, you'll find their websites and see there the steps to register for access. If you have difficulties in doing this, you can call the number on the back of the card and ask for guidance. If you see any disturbing entries in your account, then you must immediately contact the provider. You may potentially need to cancel the card and request a new one.

If you're concerned that your accounts might have been compromised, even before you see any improper account entries you can place a fraud alert or freeze on your financial identity. To do this, you'll need to go to each of the Credit Reporting Agencies (CRA) – www.equifax.com, www.experian.com, and www.transunion.com – on the internet. There you'll see a text box where you can enter a search string. If you enter "fraud alert" or "freeze", you'll be taken to the pages that list the steps to affect each.

Each of these safeguards is intended to prevent the criminals from opening new accounts or taking out loans in your name. A fraud alert established at one CRA obligates that CRA to notify the other two. The fraud alert doesn't completely prevent account inquiries, but it alerts credit grantors to verify your identity in case someone is using your information without your consent. As an additional precaution, your name is removed from pre-screened offer mailing lists for six months. Fraud alerts typically remain in effect for only 90 days, at which time they must be renewed if indicated. A freeze, on the other hand, prevents any new loans or credit applications from being processed on any of your accounts. It must be processed for each of the CRAs, and remains in effect until you cancel it. If you desire to acquire new credit instruments, then you will have to process a request to 'thaw' the freeze.

These credit bureaus are the ones that provide you the free annual credit report. That is another step recommended to monitor your credit health. Hopefully your accounts are not violated.

At the MARS website, www.marsretirees.org, you'll see topical and timely information valuable to members. Each month there is offered a Site of the Month for members' education and enjoyment. Here are the monthly sites of the month from the last quarter- these you'll find interesting, and we're sure they're free of virus and malware.

October –

Profusion of pleasant pictures at twistedgifter.com –

Click on any picture to see more.

November –

Info Source GrandmaBetty.com, and the Seasonal Christmas Around the World

December –

Science & Technology Profusion on singularity.com

Your website committee members are: Linda Stearns, Paul Bingham, Duane "Smitty" Smetana, Bob Knickerbocker, and Jim Kummer (Webmaster).

RAMM – Baltimore News

By Dottie Ruth

(dotruth725@comcast.net)

In November of 2013 we had our election of officers. Dick Randall is now President of the RAMM organization and Mel Ruth is the Vice President. When our secretary, Bill Heinefield, died three years ago, director Andy Bauer volunteered to be a temporary secretary. Andy was happy when member Marty Peters ran and was elected secretary; however, Andy's happiness was short-lived when Marty's husband, Bill, developed health issues and she had to decline the secretary position. Ed Dopkowski remains our treasurer.

We have 241 RAMM members and are losing three or four members each month due to ill health or death, but since the average age is in the mid-eighties the low number of members is no surprise.

There were 97 attendees at the Christmas Party. It is amazing how energetic some of the old-timers are when the tune "Celebration" is played. Yes, we seniors sure come alive when that number starts playing.

The RAMM officers decided two years ago to have no meetings in January and February due to the chance of inclement weather conditions. Last year our winter was quite warm here in Maryland and we wondered if the wrong decision was made, but having three snow storms in the final month of 2013 we feel 2014 may be greeting us a little differently this winter.

Well, until the next time, the RAMM members wish you a Happy New Year and good health for 2014.

Cape Canaveral News

By Dick Olson
(Olsons5145@aol.com)

The attendance was kind of light at the October luncheon, only about 18 people most all of them regulars: Ed and Guy McMechon, Marty Blankinfield, Dick Hinshaw, Cal Moser, Abe Smith, Cecil Snipes, Don Anderson, Bob Rodamer, Bill Rhode, Nick Geso, Larry Gleason, Jerry Moskovitz, Jimmy Weddle, Brooks Kilgore, Ken Girard, and Herb Matthias(second month in a row).

Cecil reported that Butch Ford had been in the hospital with some heart problems but is now home and doing better.

Eddie Roberts is home from the hospital after surgery to install plates to anchor his broken ribs. He is getting around slowly.

With the government shut down, KARS Park is closed; we will wait and see how this affects our BBQ on Nov. 2nd. Hopefully things are straightened out by then and we will see you at the BBQ.

We had a fair turnout at the November luncheon, about 25 people. Regulars Hal Castleton, Nick Geso, Jerry Moskovitz, Walt Starkey, Joe Kiropolski, Cecil Snipes, Abe Smith, Roger Wright, Herb Pugh, Chris Hutchmaker, Don Anderson, Bob Anderson, Dick Hinshaw, Dave Kintigh, Brkooks Kilgore, Bob Rodamer, and Bill Masterson. Some folks we haven't seen for awhile were Jim Brown, Vince Alderman, Ray Hall, and Lynn Johnson who is back from a summer up north. Lynn pointed out that she was the only women there so you gals need to step up.

Our Old Car BBQ was a success in spite of the crappy weather. We only had about half as many show cars and about 75% of our normal attendance but we had plenty of food and still managed to float 3 kegs of beer and had to dip into the backup supply. We plan on doing it again next year.

Wendy Fields is home recovering from back surgery and Eddie Roberts is undergoing rehab at Sea Pines in Melbourne following surgery and subsequent infection, which required a second surgery, and hasn't spent a day at home since he fell and broke

his ribs last August. We wish them both speedy recoveries.

Sorry to report the passing of Ed Gilliam. Ed covered the activation efforts on both Complex 40 and 41.

Hope you enjoyed Veterans Day and had a great Thanksgiving.

Richard (Dick) Kroc needs to be added to the deceased list; he passed away on October 30, 2011 in Sun City West, AZ.

Had about 20 of the regulars show up for lunch at the December retiree luncheon: Hal Castleton, Nick Geso, Vince Alderman, Jerry Moskovitz, Jimmy Weddle, Walt Starkey, Dave Kintigh, Abe Smith, Roger Wright, Bill Rhode, Herbie Pugh, Cal Moser, Dick Hinshaw, Brooks Kilgore, Don Anderson Bob Rodamer, Bob Maschner, Hal Penley, Ken Girard. Ken Hawes has recovered from his motorcycle accident and was able to make lunch for the first time in a long time. Eddie Roberts passed away in November after a long battle with infection from his rib surgery.

Kind of a light turnout for the January retiree luncheon; it might be because it takes us old folks longer to get over a hangover. Hope everyone had a happy new year. Regulars Hal Castleton, Larry Gleason, Ken Girard, Jerry Moskovitz, Bill Rhode, Abe Smith, Bill Masterson. Don Anderson, Wendell McDaniels, and Nick Geso made the scene. Leroy Wright made his first luncheon after being retired for at least 10 years. Sylvia Sansing brought Lavern Woodard Jones to her first lunch even though she hasn't retired yet.

Heard from Jim Milby and he is finished with his pre-surgery chemo and his surgery is scheduled for mid February. Keep him in your thoughts and prayers.

Everyone have a great 2014.

Obituaries:

Raleigh Thomas "Tom" Hornsby, 65, of Port St. John, died on Sept. 13, 2013.

Carl Banks died of cancer October 19.

Carlos W. Banks, age 81, went to be with the Lord on Sunday, 20 October.

Mike McEver's wife and best friend for 47 years passed away from cancer on 26 October.

Edgel Gilliam passed away on 31 Oct in Orlando.

Lawson Vest passed away on Nov 15, 2013

Eddie Roberts passed away on 25 November at the age of 75.

Glenn G. Baxter, 77, died November 29, 2013 at Wuesthoff Medical Center in Melbourne, FL.

Herman Garrett, 77, of Indian Harbour Beach, died on December 11, 2013.

Boyd Johnston, son of Jack and Faye Johnston, passed away on 16 December, 2013

Edgar Herbert Callaway passed away on 18 December, 2013.

REALM (Orlando News)

(realm.fl.news@gmail.com)

Andrea Lawrence (POC)

(andrea.j.lawrence@gmail.com)

No article submitted this quarter.

Martin Marietta Retiree's Club (Vandenberg News)

By Charlie Radaz

(fcmjradaz@aol.com)

Our October 24th meeting was held at the Historic Santa Maria Inn with 30 attendees present.

We were privileged to have as our guest and speaker, Warden Ives, head of the U.S. Prison Complex in Lompoc. He was accompanied by Estella Derr, Executive Assistant/Camp Administrator. Warden Ives spoke of how Lompoc became a federal penitentiary after Camp Cooke. The USP was, at one time, a high security facility, housing inmates from Alcatraz and McNeil Island. The USP's mission changed from a high security level facility to a medium security level when the BOP activated four additional federal penitentiaries in the Western Region: Atwater, Mendota, and Victorville, CA and Tucson, AZ.

There are over 119 federal prisons throughout the United States housing over 200,000 male and female prisoners. The Federal Correctional Complex

in Lompoc houses over 3500 male inmates in four separate facilities - two minimum security or camps, housing non-violent offenders; a low Security and a medium security.

Warden Ives extended an invitation to arrange a tour of the prison to all members interested. The Board will follow-up after receiving a final count of interested members.

Doug and Jean Gilman won the 50-50 drawing of \$23.00.

United Launch Alliance News

By Christa Bell

(christa.m.bell@ulalaunch.com)

United Launch Alliance Atlas V Rocket Successfully Launches Payload for the National Reconnaissance Office

Vandenberg Air Force Base, Calif., (Dec. 6, 2013) – A United Launch Alliance (ULA) Atlas V rocket carrying a payload for the National Reconnaissance Office (NRO) lifted off from Space Launch Complex-3 on Dec. 5 at 11:14 p.m. PST. Designated NROL-39, the mission is in support of national defense.

"Today's successful launch of the NROL-39 mission is a testament to the tremendous government-industry partnership. We greatly appreciate the teamwork with the NRO Office of Space Launch and our many mission partners," said Jim Spornick, ULA vice president, Atlas and Delta Programs. "We are honored to be entrusted to launch these one-of-a-kind national assets to orbit to protect our national security and to support the many brave men and women serving around the world."

This mission was launched aboard an Atlas V Evolved Expendable Launch Vehicle 501 configuration vehicle, which includes a 5-meter diameter payload fairing. The Atlas booster for this mission was powered by the RD AMROSS RD-180 engine, and the Centaur upper stage was powered by a single Aerojet Rocketdyne RL10A-4 engine.

In addition to the NROL-39 payload, the Government Experimental Multi-Satellite (GEMSat), consisting of 12 CubeSats, took advantage of the Atlas V launch vehicle ride

share capabilities and were deployed following completion of the primary mission. The NRO and ULA partnered to develop an Aft Bulkhead Carrier (ABC) on the Centaur upper stage, which is a platform for accommodating auxiliary payloads aboard Atlas V missions.

The CubeSats were developed under a sponsorship of both the NRO and NASA. The Aerospace Corporation, the Air Force Institute of Technology and the Army developed the seven NRO-sponsored CubeSats. The five NASA-sponsored CubeSats were developed by Montana State University, California Polytechnic State University, the University of Michigan, and Medgar Evers College of the City University of New York.

"We are pleased we could support the NRO, NASA and all of the associated institutions by successfully delivering these important auxiliary payloads which will test and validate new technologies for debris mitigation, propulsion, space weather, communications, on-orbit data processing and the use of commercially available components," said Spornick.

Developed by the United States Air Force to provide assured access to space for Department of Defense and other government payloads, the commercially developed EELV program supports the full range of government mission requirements while delivering on schedule and providing significant cost savings over the heritage launch systems.

Contact: Jessica Rye, (321) 730-5646 (Office), jessica.f.rye@ulalaunch.com

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United Launch Alliance Celebrates 50th Anniversary of Launch of Centaur

Centaur Continues to Meet Customer Requirements for Reduced Cost and Enhanced Capabilities Centennial, Colo., (Nov. 26, 2013) – United Launch Alliance (ULA) celebrated the 50th anniversary of the first successful launch of the Centaur upper stage during the Ohio Aerospace Institute event on Nov. 22. Centaur was recognized as the hallmark of innovative design and engineering excellence.

"By harnessing the power of liquid hydrogen to launch payloads to space, both near and far, the Centaur is the benchmark by which all other are measured," said Matt Smith, ULA's vice president of Engineering and Information Technology.

General Dynamics and NASA partnered to develop Centaur in the height of the space race.

The first Centaur launches in the early 1960s demonstrated extremely high performance that can be achieved with a liquid hydrogen/liquid oxygen rocket stage and provided the energy needed to propel larger missions to the moon and beyond.

Using an innovative approach, the team designed a tank with propellant compartments separated by a double walled bulkhead which also serves as a heat barrier to reduce the boil off of the much colder liquid hydrogen. Although Centaur has always flown on Atlas rockets, Centaur variants were subsequently used for the Saturn I, Saturn V, Space Shuttle, Titan, and Delta programs.

"Centaur celebrated its 200th flight in 2012 and has sent spacecraft to nearly every planet in our solar system, as well as delivering vital commercial and national security payloads," said Smith. "Fifty years after its first successful launch, Centaur continues to deliver the highest mass fraction of any cryogenic upper stage, as well as meet customer requirements for reduced cost and enhanced capabilities."

In 2012, ULA, in partnership with the National Reconnaissance Office, developed the aft bulkhead carrier to launch auxiliary payloads mounted to the Centaur. These rideshare missions provide lower cost launch opportunities for customers with smaller payloads.

ULA is currently developing the next generation of Centaur, the Advanced Common Evolved Stage (ACES) to support multiple objectives, including 50 percent payload growth.

"ACES will enable unparalleled mission flexibility and incorporate the Integrated Vehicle Fluids, or IVF system, stretching mission capability from hours to weeks," said Dr. George Sowers, ULA's vice president of Strategic Architecture. "This replaces the existing hydrazine, helium and battery systems."

Contact: Jessica Rye, (321) 730-5646 (Office), jessica.f.rye@ulalaunch.com

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Museum Receives Rare Historic Atlas Rocket Film Collection--Only One of its Kind in the World

Unique films document many of America's space missions

San Diego, CA - November 20, 2013 - The San Diego Air & Space Museum received a historic Atlas space launch vehicle film collection donation from Lockheed Martin and United Launch Alliance (ULA), totaling approximately 3,000 reels of 16-millimeter film. The collection is being digitized by the Museum and will be made available online for worldwide public access. In addition to the film, \$50,000 to preserve and catalog this collection was provided to the Museum by Lockheed Martin and ULA, a joint venture of Lockheed Martin and The Boeing Company that designs, builds and launches the Atlas and Delta rockets that deliver critical missions for the Department of Defense, NASA, the National Reconnaissance Office and other commercial customers.

The Atlas film collection includes interviews and lectures by early rocket pioneers, such as Krafft Ehricke, known as the "Father of the Atlas;" James Dempsey, who headed development of the original Atlas Intercontinental Ballistic Missile (ICBM) program; and Dr. Charles Draper, known as the "Father of Inertial Navigation." Films of both presidential and early astronaut visits to Atlas facilities are included, as are films documenting many of America's most historic space missions. The collection includes data, photographs, and film of virtually every launch over more than 50 years of the Atlas program. Virtually every aspect of the program is captured, including images of the vehicle, the design, development, test facilities, operational sites, and the men and women who made this era of spaceflight possible.

"Lockheed Martin is honored to continue to partner with the San Diego Air & Space Museum to help preserve the historical role of these heritage space technologies and monumental achievements," said John Karas, Lockheed Martin Space Systems Company's vice president of Business Development. "Historical lessons learned, missions accomplished, and frontiers reached support and inspire us today as Lockheed Martin and others take on new challenging missions such as building and launching spacecraft that will travel to Mars and study the Martian atmosphere, rendezvous and return samples from an asteroid, and carry humans into space as part of our Nation's next generation of human spaceflight."

San Diego is the birthplace of the original Atlas ICBM, one of America's air and space "giants." Designed, developed and manufactured in San Diego by the Convair, and, later, the Space Systems Division of General Dynamics Corporation, Atlas provided an effective Cold War deterrent in its initial role as America's first ICBM, and later served as a reliable and more powerful space launch vehicle for sending America's first astronauts into Earth orbit. Atlas launched the first satellite to project a human voice from space in 1958, broadcasting a message to Earth from President Dwight D. Eisenhower. Atlas also launched the Surveyor moon missions, which provided the foundation for Apollo human exploration voyages, as well as Mariner missions to Mars and the outer planets, critical national security missions, weather and climate monitoring satellites, and vital communications and navigation satellites such as today's Global Positioning Satellite system.

Lockheed Martin Corporation's heritage companies include the General Dynamics Space Systems division that was originally headquartered in San Diego, CA, where over 500 Atlas ICBM and space launch vehicles were designed and built. In 1994, the space division was acquired by Martin Marietta and the following year Martin Marietta joined Lockheed to form Lockheed Martin. Following this merger Lockheed Martin donated a significant archive of historic photos and films to the Museum. The records gained at that time constituted an unprecedented historic treasure, consisting of 165,000 Atlas images, as well as 77,750 Convair aircraft images and 3,500 corporate images. The film collection most recently acquired complements the earlier Atlas collection donation.

ULA was formed in December 2006 by Lockheed Martin and The Boeing Company and provides the nation assured access to space on its Atlas and Delta launch vehicles. Since it was formed, ULA has launched 75 consecutive, successful missions – 32 of which were Atlas V launches.

"United Launch Alliance is very proud to make this priceless collection of Atlas history available to the museum and the public," said Matthew Smith, ULA's vice president of engineering and information technology. "This history of the Atlas rocket is remarkable and a testament to our nation's resilience in leading the world into space." Smith, who began his career with the

Atlas program in 1983 as an engineer for the Convair division of General Dynamics, added that it also is gratifying to be launching the evolved version of the rocket – the Atlas V.

“Over more than 50 years, Atlas has played a critical role in defending our country, furthering our knowledge of the universe and supporting human spaceflight. United Launch Alliance continues the tradition of excellence, delivering many of the nation’s most critical and prized assets into space on Atlas V as well as our Delta family of launch vehicles.”

Katrina Pescador, Director of the Library & Archives at the San Diego Air & Space Museum, said she was most pleased to receive this important, one-of-a-kind collection. “It is especially noteworthy, and captures a very important and remarkable period of San Diego’s air and space history. It is a perfect complement and companion to the historic photos and films Lockheed Martin donated to the Museum in 1994. Once digitized, we expect there will be a high level of researcher interest, worldwide, and will significantly broaden our online successes.”

The San Diego Air & Space Museum’s Library & Archives houses one of the most significant collections of air and space-related research material in the world. The Museum’s holdings, in fact, are the third largest such collection in the United States. The Museum actively encourages use of our records to continue and to enhance the public’s education within the aviation and space history and technology fields.

The San Diego Air & Space Museum is California’s official air and space museum and education center. The Museum is an affiliate of the Smithsonian Institution, and it was the first aero-themed Museum to be accredited by the American Association of Museums. Now showing: *Ripley’s Believe It or Not!*, a special exhibition exploring the weird and wacky world of Robert Ripley. Visit www.sandiegoairandspace.org for more information. The Museum is located at 2001 Pan American Plaza, Balboa Park, San Diego, CA 92101. The Museum and gift store are open daily from 10:00 a.m. to 4:30 p.m. with admissions until 4:00 p.m. (winter hours) and 10:00 a.m. to 5:30 p.m. (summer hours). Closed Thanksgiving Day and Christmas Day.

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United Launch Alliance Atlas V Rocket Successfully Launches MAVEN Mission on Journey to the Red Planet

Cape Canaveral Air Force Station, Fla., (Nov. 18, 2013) – A United Launch Alliance (ULA) Atlas V rocket carrying NASA’s Mars Atmosphere and Volatile Evolution (MAVEN) spacecraft lifted off from Space Launch Complex-41 here at 1:28 p.m. EST today. This was ULA’s 10th launch of the year and marks the 41st Atlas V mission and the 76th launch for ULA.

“United Launch Alliance is proud to be a part of this tremendous mission, working closely with the NASA Launch Services Program and MAVEN teams,” said Jim Spohnick, ULA vice president, Atlas and Delta Programs. “Missions to Mars are very exciting, and over the last decade, ULA launch systems have been entrusted to launch all of NASA’s missions to the red planet, including the Spirit and Opportunity rovers and most recently the Mars Science Lab mission with the Curiosity rover.”

This mission was launched aboard an Atlas V 401 configuration vehicle, which includes a four-meter diameter payload fairing. The Atlas booster for this mission was powered by the RD AMROSS RD-180 engine, and the Centaur upper stage was powered by a single Aerojet Rocketdyne RL10A engine.

MAVEN will examine specific processes on Mars that led to the loss of much of its atmosphere. Data and analysis will help planetary scientists understand the history of climate change on the red planet and provide further information on the history of planetary habitability.

Contact: Jessica Rye, (321) 730-5646 (Office), jessica.f.rye@ulalaunch.com.

Following photos were taken at:

2013 MARS Holiday Celebration, December 11, 2013

*2013 MARS Associates
Holiday Celebration*

December 11, 2013

*Photos by:
Theodore Bornhoeft & Allen Sanders*





















*See More Holiday
Celebration Pictures*
*(Check for your
Photo) at*
www.marsretirees.org

MARS ASSOCIATES EVENT SCHEDULE

EVENT/MONTH	2014											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Board of Directors	7		4		7		2		2		5	
Officers	7	5	4	2	7	4	2	6	2	1	5	3
Bridge	17	21	21	18	16	20	18	15	19	17	21	19
Dinner	14	12	12	16	13	17	TBD	TBD	TBD	TBD	TBD	TBD
Golf				Thu	Thu	Thu	Thu	Thu	Thu	Thu		
Photo		13		10		12		14		9		12
Hiking Club	15	19	19	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
EzyBytes	10&24	14&28	14&28	11&25	9&23	13&27	11&25	15&29	12&26	10&24	14&28	12&26
Web Committee	7	4	3	1	6	3	1	5	1	30-Sep	4	2
Sr. Luncheon							9					
Annual Picnic									3			
Holiday Celebration												3
Annual Meeting			5									
CO Rockies Game						25						
Items due for MARS STAR	6		31			23			29			
STAR Repro. Deadline	20			14			21			13		
STAR Mailing	29			23			30			22		

DATED: January 2014

1. BOD meets the first Wed of every other month at The Egg & I near Southglenn at 09:30 am.
2. Officers meet the first Wed of every month at The Egg & I near Southglenn at 09:30 am.
3. Bridge meets the third Fri of every month at 10:00 am at the Buck Recreation Center.
4. Dinner Club: 1/14/2014 - Elephant Bar, Lunch; 2/12/2014 - The Bistro at Aspen Grove, Lunch; 3/12/2014 - Hacienda Colorado, Dinner; 4/16/2014 - Pinocchio's Restaurant, Dinner; 5/13/2014 - Garden Terrace at Inverness, Lunch; 6/17/2014 - Wind Crest, Lunch.
5. Golf meets every Thu from Apr through Oct of each year.
6. Photo meets the second Thu of every other month at 1:30 pm at the Bemis Public Library in Littleton.
7. Hiking Club: 1/15/2014 - BEAR LAKE- SNOW SHOE; 2/19/2014 - BUTLER GULCH (Off berthoud pass); 3/19/2014 - MYFLOWER GULCH.
8. EzyBytes computer volunteers meet at 1:00 PM the 2nd and 4th Fri of the month at Buck Recreation Center.
9. Web Committee meets at noon at Sweet Tomatoes on West Bowles, Littleton, on the Tuesday prior to BOD and/or Officers Meeting.
10. 2014 Annual Meeting is March 5, 2014 at Denver West Marriott Hotel.
11. 2014 MARS day at the Rockies June 25, 2014.
12. 2014 Sr Lunch July 9, 2014 at Inverness Hotel.
13. 2014 Annual Picnic September 3, 2014 at Clement Park .
14. 2014 Holiday Celebration is Dec 3, 2014 at Pinehurst Country Club.

This schedule is maintained by Duane Del Duca, MARS President-Elect