



Volume 33, Issue 4
October 2017

Sponsored by LOCKHEED MARTIN

MARS STAR



MARS Activities This Quarter:

Holiday Celebration

December 5, 2017

MARS Associates: A Social Club for Retirees of Lockheed Martin & United Launch Alliance

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VP Membership	Linda Stearns	303-797-3557
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MARS STAR

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Colo Springs	Doug Tomerlin	719-594-6392
Vandenberg	Charlie Radaz	805-733-2051

CLUB CONTACTS

Bridge	Dave & Kathy Martz	303-683-9524
Dinner	Becky & Gary Englebright	303-973-4062
	Anita & Roy Kannaday	303-794-9210
Golf	Don Petermann	720-984-4975
Hiking	Sue Janssen	303-936-8339
Photography	John Chapter (Pres)	303-986-8277

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	Dick Sosnay, Chairman	303-972-9209
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IMPORTANT PHONE NUMBERS

LM Employee Service Center	1-866-562-2363
CitiStreet 401K Hotline	1-800-444-4015
Aetna Plans	1-888-562-8111
Anthem BlueAdvantage HMO	1-866-863-0484
CIGNA Point of Service (POS) (Hourly Only)	1-800-832-3211 1-800-224-6224
CIGNA Healthcare of Colorado for Seniors	303-782-9662
CitiStreet (PSP-SSP-CAP)	1-800-444-4015
Medicare Plus (Aetna)	1-888-562-8111
PacifiCare Secure Horizons	1-800-771-4347
CVS Caremark Prescription Drugs	1-888-562-3784
Vision Service Plan, Rancho Cordova, CA	1-800-877-7195
Kaiser Permanente	303-338-3800
United Dental Health	1-800-545-3260 303-425-1537
Delta Dental of Colorado	1-800-610-0201
Jeff Satterwhite	1-800-610-0201 x683 303-889-8683 jsatterwhite@ddpco.com
AssuredPartners of Colorado	
LTC/Vision/Dental	(303) 228-2209
Janet Saxon	jsaxon@twgservices.com
One Exchange	1-844-596-0460

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Cover:

The Gateway Center, being built on the Waterton Campus, will be the home of some of tomorrow's most innovative satellites and spacecraft. It will be packed with innovations that will make spacecraft production faster, smarter and more affordable for our customers. In this facility we'll build a spectrum of satellites from micro to macro that communicate with front-line troops, explore other planets, and support unique missions.

From the Editor's Desk

Kathy Campbell (kjcampbell65@msn.com)
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Tom Pighetti (tjpihetti@q.com)

Kathy edited this issue. For comments or corrections, contact Kathy or Bonnie Snodgress, V.P. of Communications.

MARS welcomes your submissions. Submissions must be relevant to the MARS organization, informative, and appropriate for this newsletter. No personal dialogues or opinion pieces will be accepted.

Please submit your article for approval in advance to the V. P. of Communications.



President's Corner

By Robin Valore
(rvalore@gmail.com)

I hope all of you had a wonderful and prosperous summer. Every year when fall rolls around, I wonder what happened to my summer. It just seems to fly by so fast; but it seems like each day does anymore – isn't it wonderful to be retired??

Since our last MARS STAR publication, the organization has held two more of its scheduled annual events; the Senior Luncheon and the Annual Picnic.

The Senior Luncheon was held on July 12. For the first time, we held the luncheon at the Denver Museum of Nature and Science; and it was not a luncheon this year, but rather a brunch. There were 120 reservations for the Senior Brunch and by all accounts, it was very successful. The Senior Brunch also included a free pass into the Museum for members to enjoy after the conclusion of the brunch. This was a different venue than the organization has sponsored over the last several years. The feedback on the choice of past venues for the Sr. Luncheon has been a bit lukewarm, so we decided to change it up this year. If you have specific feedback we should hear, that would be beneficial in determining next year's venue, contact either Linda Duby or myself. We are anxious to hear your thoughts as we strive to make the events for our members meaningful.

Our popular Annual Picnic was held on September 13 at Clement Park. Approximately 277 members attended. It was a perfect day. The weather forecast called for 90 degrees and we lucked out with a bit of cloud cover to keep all of us and the food line a bit cooler. Members began showing up around 11:00 and the picnic concluded by 2:00. The food was provided and served by Bennett's BBQ again this year and was excellent and

Articles will be included as time / space allows.

mouthwatering. There were several door-prizes as usual. Your MARS organization donated cash prizes in different amounts totaling \$1,000 – the grand prize cash award of \$300 went to Doreen Ryan. The Dinner Club donated several gift certificates from various restaurants around town with the grand prize gift certificate of \$250 to Gabriel's awarded to Shirley Faulhaber. Enjoy Doreen and Shirley!! We also had ticket donations from the Museum of Nature and Science that were given away. Assured Partners (one of our six vendors in attendance) donated a couple of gift certificates to Panera Bread. United Launch Alliance (ULA) donated tee shirts for the cause. I want to thank all the organizations, individuals, etc., that donated door prizes for the picnic this year, as well as all the support personnel (and you know who you are) for the setup and cleanup that took place to make this event so successful.

More details on the festivities of the Senior Brunch and the Annual Picnic, including **ALL** the door prize winners, can be found in Linda Duby's Activities section of this STAR. A variety of pictures from both the Senior Brunch and the Annual Picnic are located at the back of this STAR for your enjoyment.

I am excited to say, we are making progress filling some of our open Officer and Board of Director positions. As many of you know, the Board of Directors has taken on the job of spearheading a more concentrated search effort to fill open leadership positions in the organization and I want to thank them for that. A newly recruited Officer to MARS, Mike Carroll, will assume the VP of Communications position in March of 2018. He will be working closely with Bob and Bonnie Snodgrass over the next six months learning the ins and outs of the STAR mailing. In addition, Mike will be examining other ways the organization can communicate more frequently and effectively with our membership outside the quarterly STAR. As I said at the picnic – "watch out – we are going to start getting a little techy with you all." Roger Rieger, a retiree from ULA will be joining us in March of 2018 filling one of our two open Board of Director positions. Both Mike and Roger are already attending our monthly meetings even though they have not officially taken office and both are taking a vested interest in the organization.

Having shared the good news, I do need to put out my quarterly plea for additional help. We still have a couple of openings we need to fill. We have a desperate and immediate need to backfill the Secretary position recently vacated by Shar Petty. In addition, we have one Board of Director position, the Office of the Treasurer and the position of President Elect open in March of 2018. More details relative to these open positions are available in Dick Sosnay's, Director's Notepad, article. There is one more opening, not a member of the Officer or BOD community, but is very important to our communication to you as members of MARS Associates. It is the "In Memoriam" position currently held by Bev Baugher. I know Bev, as well as myself, would be happy to discuss the duties of that job with anyone who might be interested.

One more item of interest for you all. Dan Ellerhorst and I met with Liane George, Vice President of Human Resources for United Launch Alliance (ULA) on Tuesday, September 5. While the purpose of the meeting was to introduce Dan as the incoming President in March of 2018, we did have a list of other agenda items. One of the agenda items was to arrange a speaker from ULA at the Annual Meeting next year and I believe we are on a good path to set that up; details to follow soon. We do plan on meeting with the Lockheed Martin Human Resources Vice President, Armando Castorena, as soon as we can coordinate a good time on his calendar.

The next planned event is the annual Holiday Celebration (flyer included in this edition of the STAR). It will be on **TUESDAY** this year, December 5 at the Pinehurst Country Club. Until then, enjoy the wonderful Colorado fall and stay warm and safe – see you soon.



President Elect

By Dan Ellerhorst
(dan.ellerhorst@gmail.com)

For my money, MARS Associates had a great summer of events. Our day at the Rockies brought a satisfying win, the Senior Luncheon tried out a new venue with brunch at the Denver Museum of Nature and Science, and we enjoyed great (not too hot!) weather at Clement Park for the well-attended annual barbeque picnic. Feedback from the membership continues to be very positive on

all events; special kudos and thanks to our VP of Activities, Linda Duby.

In September, I travelled with Robin to United Launch Alliance to meet with Liane George, the ULA VP of Human Resources. MARS Associates officers have traditionally met with HR executives from Lockheed Martin and ULA to keep them informed of the goals and activities of the organization, and to look for ways to get information about MARS in front of potential retirees. Liane was genuinely interested in helping us reach out to ULA retirees. Robin will be setting up a similar meeting with LM HR in the near future.

In my first article I mentioned that, as President-Elect, I would be trying to get around to each of the clubs to experience first hand (more or less) the activities being offered. This summer, my wife and I were able to attend a delicious luncheon at the Mt. Vernon Country Club and we recently enjoyed a beautiful hike with the Hiking Club near Chief Hosa in Evergreen. The dinner club lunch is popular and Pam Hull announced that Becky and Gary Englebright and Anita and Roy Kannaday have volunteered to succeed the Hull's and divide the responsibilities for planning and hosting the events. Many thanks to Pam and Skip Hull for their past service and best wishes to them as they make their move to New Mexico.

The weather for our hike couldn't have been better. Ken Ruiz was the hike leader and advertised a 4.2 mile loop down the Beaver Brook valley with an elevation differential of 1180 feet. Although the actual mileage (on my app) was in excess of 5 miles, Ken graciously declined to charge us more. In all seriousness, it was a lot of fun and we made some great new friends.

We have had some success in finding volunteers to fill positions as officers and directors in the past few months. Mike Carroll, an old friend of mine from projects long ago, has agreed to come on as the next VP of Communications to backfill Bonnie and Bob Snodgrass when their term ends. In the meantime, Mike will focus on helping the organization develop more digital and timely means of communicating with members, while learning the ropes on how the MARS STAR is published and distributed every quarter. In addition, Roger Rieger has agreed to join the Board of Directors. Welcome to both of you!

Among the openings we still have is the opportunity to follow in my footsteps as President-Elect. I would love to have a partner to work with as I transition to the President's role after the March Annual Meeting. The duties of the President-Elect are not onerous: monthly attendance at the Officers Meetings, updating the Event Schedule (a good opportunity to sharpen up those atrophying Excel skills), assembling the Annual Report

(from everyone else's inputs), and generally getting psyched-up to be the President. I encourage everyone to consider a volunteer role and look into trying one or more of the club activities. You'll meet old friends, make new ones, exchange war-stories and have a good time. In the meantime, keep hounding your friends to join the MARS Associates!



Director's Notepad

By Dick Sosnay, Chairman
richardsosnay@gmail.com

First the good news! We have had some success in the last few months in getting MARS members to volunteer to fill open positions. Mike Carroll has agreed to become VP-Communications starting in March 2018. Roger Reiger has agreed to take over one of the open Board of Directors (BOD) slots starting in March 2018. Thanks to Mike and to Roger for volunteering to help out your MARS Association, but there are still several positions open and we are continuing to try to fill those positions.

The positions we are looking for and the time frames are as follows:

September 2017 - We are looking for someone to fulfill the role of Secretary. The secretary's primary role is to take and publish minutes for the Officer's meeting and the BOD's meeting. For the present time, the existing officers and board of directors will take turns taking minutes during the meetings until we can find somebody to volunteer for this role.

March 2018 - We are looking to staff two officer positions, including Treasurer and President-Elect, and one Board of Director position.

The Treasurer's primary role is to control and manage the finances of the MARS organization. The President-Elect's primary role is to manage the schedule and club status, and also to prepare for taking over the responsibility of President following the completion of their term. The BOD's primary role is to provide oversight and guidance to the MARS officers, and to perform the succession planning function to ensure a smooth transition to new officers and directors.

As we have stated before, we are looking for people both willing to fulfill the existing openings, and to help with new ideas to help lead the MARS Association into the future. This can be your opportunity to help expand MARS in positive ways. Officer and BOD positions can be fulfilled not only by MARS members, but also by their spouses.

If you are interested in volunteering to support our MARS organization, and would be willing to fulfill one of these functions, please contact any of the officers or board of directors. We would love to invite you to one of our monthly breakfast meetings, so you can get a better idea of what the individual officers' and BOD members' responsibilities are, and for us get to know you better. Remember, it is your MARS Association, and we need your help to keep MARS running and providing the things we always have in the past, and finding new ideas for the future.



Activities Updates

By Linda Duby
lindaduby@comcast.net

The MARS Senior Luncheon was a brunch this year and was held at the Denver Museum of Nature & Science. We had 106 members and guests attend the event. Samantha Sands of the Space Odyssey group gave a great presentation of the eclipse that occurred on August 21. She also told us about the changes and updates that are going to be made to the Space Odyssey exhibit. Everyone seemed to enjoy the presentation and the venue. We had a great view of City Park and the mountains. The food was excellent and the service was fantastic. Kudos to the Museum staff! Hopefully everyone took advantage of the admission to the museum and toured around a bit.

The next event was the Annual Picnic on September 13 at Clement Park. We had 277 attend this year. Bennett's barbeque, as usual, did a wonderful job with the food and the service. Fortunately, the weather held for us even though it clouded over. It did not rain until the event was over. If only we could keep the geese away from the pavilions!

The Picnic door prize winners are listed below. Congratulations to all the winners.

Prize	Donor	Winner
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\$25 gift card - Bone Fish Grill	Bone Fish Grill	Lucy Ellerhorst
T-Shirt	United Launch Alliance	Joe Donathan
\$50 Imperial Gardens gift card	MARS Dinner Club	Ben Clark
\$50 Cheesecake Factory gift Card	MARS Dinner Club	Hazel Chapman
\$25 Panera gift card	Assured Partners	Steve Delk
2 tickets to Museum of Nature & Science	Museum of Nature & Science	Bob Boyce
\$50 cash	MARS Associates	Sylvia Dinges
\$50 cash	MARS Associates	Grafton Floyd
T-shirt	United Launch Alliance	Ginger Losey
T-shirt	United Launch Alliance	Emma Rombach
\$50 cash	MARS Associates	Ron Gedeon
\$25 Panera gift card	Assured Partners	Robin Valore
\$50 Red Lobster gift card	MARS Dinner Club	Diane Wright
2 tickets to Museum of Nature & Science	Museum of Nature & Science	Barbara Del Duca
T-shirt	United Launch Alliance	Pat Albert
\$50 cash	MARS Associates	Gloria Pool
\$100 cash	MARS Associates	Bonnie Snodgrass
\$100 cash	MARS Associates	Charlie Class
2 tickets to Museum of Nature & Science	Museum of Nature & Science	Paul Leyva
\$25 3 Margaritas gift card	MARS Dinner Club	Linda Gusha
\$100 cash	MARS Associates	Ralph Pacheco
\$200 cash	MARS Associates	Mike Carroll
\$250 Gabriel's gift card	MARS Dinner Club	Shirley Faulhaber
\$300 cash	MARS Associates	Doreen Ryan
T-shirt	United Launch Alliance	Charyl Rose
T-shirt	United Launch Alliance	Fritz Berns
T-shirt	United Launch Alliance	Eleanor Berns
T-shirt	United Launch Alliance	Debbie Delk

Vendors at MARS Picnic – At the annual picnic in September, many of our vendor representatives were there with hand-outs, gifts and also to answer your questions. Our thanks to the following vendor representatives:

- Delta Dental – Jeff Satterwhite & Ron Rueger
- Hearing Rehab Center – Dr. Brock Sturlaugson
- Assured Partners (Long Term Care) – Jon Elmore
- Aetna – Noushin Hornbuckle
- Kaiser – Laura Belland, Gloria Rawlins & Michelle Stoll
- Red Rocks – Nicole Zimmerman & Catherine Alvarez

We were happy to have Noushin representing Aetna at our picnic for the first time. We will have vendors at the Annual MARS Meeting in March 2018.

MARS Volunteer Positions – This is just a reminder for all of our MARS members to consider volunteering for one of our positions as an officer or the Board of Directors. There are several available positions coming in March 2018. Please think about joining our volunteers who make MARS possible. Terms are 2 years and “speaking from a new officer’s perspective” I know you will find being an officer or a Director actually enjoyable and rewarding.

MARS Shirts & Hats – The current link on the MARS Website to order MARS shirts and hats is currently being updated with a new company. I hope to have the new website link available in the very near future.

Alzheimer’s Lunch & Learn Sessions – I am currently working with Red Rocks (sponsors of the Colorado Alzheimer’s Association) to provide informational sessions about Alzheimer’s to our MARS membership. The sessions will be presented by the CO Alzheimer’s Association and will be free. Look for more information and a flyer on how to sign up in the next STAR (which will be mailed in late January 2018).

Vernon B. Selby Memorial Volunteer of the Year Award – The flyer for nominations for this award will be sent out with the January STAR. This is a reminder to start thinking about your fellow MARS members who you think might be a great candidate for this award. This award is given out each year to one of our members for their positive impact on our communities through their volunteer efforts.

The next MARS event is the annual Holiday Celebration which will held at Pinehurst Country Club on **TUESDAY, December 5, 2017**. Due to a scheduling conflict with Pinehurst, the event is on the **first Tuesday in December** rather than the first Wednesday. The reservation form for the event is included in this issue of the MARS Star. Hope to see you there!



Senior Fare

By Sherry Vargo

(shervargo@comcast.net)

Happy Fall to all of you! I love the autumn colors and the cooler weather not to mention Halloween and Thanksgiving. I enjoyed meeting many of you at the MARS picnic and look forward to meeting more of you at the MARS Holiday Luncheon in December.

MARS Business Status:



Membership

By Linda Stearns
(linda80120@comcast.net)

MEMBERSHIP STATISTICS

As of September 20, 2017, MARS Associates' active membership is 1,403 which includes 771 seniors.

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

Colorado

- Aurora Joseph & Mary Nguyen
David & Barbara Steinert
- Centennial Bill & Donna Gober Raynor
Barry & Josefa Smith
- Colorado Springs Paul & Jonna Gabrielson
- Conifer Roger & Sheila Adams
James Harris &
Jane Baumann
- Denver Eugene Little & Ruth Yoon
Rebecca (Sue)
& Steve Smith
- Fountain Bobby Phillips
- Highlands Ranch Dianne &
James Blair Cooley
Terrell &
Kathleen Deadwyler
Mark & Rita Schultz
Elizabeth Stephenson
- Lakewood Joyce Halliday *
- Littleton Geraldine Blair
Melissa Croswhite
Lawrence &
Cordilia Espelage
Jerre & Michael Gardiner
Terry Graber &
Louise Vail
Charles & Sandra Henson
Richard & Christa Irell

- Dennis Little
Robert &
Gayle Bailey Madsen
Janet & Gary Marques
Craig & Shirley Martz
David & Gloria Schwiesow
Ruth Voelker

- Monument Michael &
Devee Buttenwieser
- Parker Don Daily
- Woodland Park Jay McKee

Other States

- MARYLAND
Rockville Janet Munson
- UTAH
North Ogden Edward & Deborah Heaney

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 as of March 1) 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. The U.S. Postal Service may not forward standard mail and MARS is charged for all returned mail and address change notices from USPS.

We had 21 addresses that USPS identified as being changed or undeliverable in the July, 2017, mailing. THANK YOU to all of you who provide address change information!

"Snow Bunnies" remember to let us know when you will travel to your seasonal residence! Where your STARS are mailed depends on you keeping us informed—standard mail is not forwarded for temporary address changes. Thanks!

In Memoriam Data

Please contact Bev Baugher (bevbaugher@earthlink.net) 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.

Linda Stearns, VP, Membership
MARS Associates
P.O. Box 1128, Littleton, CO, 80160-1128
Phone 303-797-3557; or email
linda80120@comcast.net

MARS Associates in Memoriam

By Beverly Baugher
(bevbaugher@earthlink.net)

Please contact me at the above e-mail address or at 303-978-0371 with information about the passing of a member, the spouse of a member or other MM/LM retirees so they can be acknowledged in the In Memoriam section. Thank you.

Members

Allen, Jerry E. (D: August 2017)
(Survived by Beverly Allen)
Centennial, CO
<http://tinyurl.com/y8pkk9l8>

Christensen, Paul A. (D: June 2017)
(Survived by Mollie Christensen)
Littleton, CO
<http://tinyurl.com/y9tfdwxt>

Hawkins, Albert E. (D: August 2017)
(Survived by Shirley Hawkins)
Littleton, CO
No obituary published.

Smith, James W. (D: September 2017)
(Survived by Loretta Smith)
Golden, CO
<http://tinyurl.com/y9xca4a2>

Studinski, Rush B. (D: June 2017)
(Survived by Nancy Studinski)
Greenville, TX
<http://tinyurl.com/y9tblz34>

Waterman, Linda L. (D: March 2017)
(Survived by John D. Waterman)
Asheville, NC
<http://tinyurl.com/y8wgxagt>

Non-Members

Lyon, Ray (D: August 2017)
Aurora, CO
<http://tinyurl.com/ybj5ante>

Meunier, Ray (D: August 2017)
Englewood, CO
<http://tinyurl.com/y7sww83y>

Unrein, Gerard A., Jr. (D: June 2017)
(Survived by Alyce Unrein)
Littleton, CO
<http://tinyurl.com/y6vekdxh>

Historian's Corner

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

The Bendix Takeover Battle

By Bill Cossaboom

In late summer 1982, as I was leaving work, a colleague greeted me with "Take a good look at the sign outside the plant -- tomorrow it may read 'Bendix'." Rumors had been floating for a few weeks concerning an unfriendly take-over attempt of Martin Marietta (Martin) by Bendix. I took a good look at the big 'Martin Marietta Blue' sign that graced the entrance to the Waterton campus as I sped down the curve. I had been an employee for fifteen months.

The take-over attempt did not elicit favorable reviews from the business world. The *New York Times* calling it a "tawdry spectacle" and stating "Aggression and treachery, hairbreadth escapes and last-minute reversals, 'white knights' and 'shark repellents' - all of these and more can be found in the true-life adventure of the Bendix Martin merger war." Some of the press equated the efforts as business "Pac-Man" and a "reckless power struggle." The affair has been chronicled in many publications and is case 489-085 at Harvard Business School.

In 1982, William Agee, who at that time was the youngest man to ever lead one of the top 100 American corporations, headed Bendix. He obtained control of the company in 1977 at the age of 39, having been appointed President and Chief Executive Officer. Bendix at the time was quite diversified, being an aerospace, industrial and automotive giant. Agee thought the Bendix future lay outside automotive-focused production stating, "Automobile brakes are in the winter of their life

and so is the entire automobile industry." (Note to self: never ask Agee to tell your fortune!)

There was at the time, internal to Bendix, a demoralized culture. Employees perceived that Agee had promoted his executive assistant to Vice President of Strategic Planning due to a personal relationship. Mary Cunningham had graduated from Harvard Business School with an MBA in 1979. In 1980, the situation at Bendix was exposed nationally and Cunningham resigned. This episode is relevant to this article because the acquisitions that Agee pursued have been linked to his effort to regain the trust of the Board and employees after the scandal. The episode also resulted in a lack of respect for Agee among major business leaders. Agee had previously backed off of an attempt to take-over RCA.

Martin had a stable balance sheet in 1982, but had little borrowing power and not much cash on hand. They also had (on the plus side) no cultural troubles that were threatening the company. Martin had a new (four month) Chairman and Chief Executive Officer in Thomas Pownall. President Reagan had just begun his defense build-up and Martin was deeply engaged in MX and Pershing Missile contracts.

One market observer, commenting later on the takeover bid called Martin "an undervalued gem." Martin was hiring at a frantic pace in order to fulfill the new contracts and Martin management was looking forward to a bright future. By the middle of August however, Martin became aware of increased buying of the corporation's stock.

That bright vision of a future was soon to change -- on August 25, 1982 at 8:30 in the morning, in fact, when William Agee placed a call to Thomas Pownall. Pownall (who was no one's fool) did not take the call but coordinated within the corporate organization.

Later that morning, the official offer arrived at corporate headquarters. Bendix was offering \$43.00 per share to acquire control of Martin. Martin's stock was undervalued at \$33.00 per share of common stock at the time, so Bendix had tendered a premium bid.

September would be a flurry of activity on both sides. Martin was trying to avoid the takeover and Bendix trying to solidify their position. Both were working with allies in the industry.

Martin hired the firm Kidder, Peabody and Co. (Kidder) to handle their side of the equation almost a year prior, after they had been made aware that the company was 'ripe' for a hostile takeover bid; that proved to be a smart move. Kidder also had Martin Siegel heading their mergers and acquisitions department. Siegel was another 'wonder kid' of the day. The team to fight the takeover included the Chief Executive Officer, General Counsel, Chief Financial Officer and others, some of which were former executive officers.

Thus began a counter takeover battle, which has become a classic in the business world as mentioned previously. First, the Martin team was put on overdrive as they went on the offensive, tendering *their* offer to Bendix stockholders. The team and their support group would remain on overdrive until the crisis was over and the battle won.

The employees of Martin kept working as they always did to meet or better contract goals. Most employees were ignorant of the unfolding drama. I write this because I remember no communications by the corporation to the general employee population concerning the take-over attempt. I doubt that anyone within the corporation, other than the team, their support group and a few select business heads knew what was truly going on.

What was 'going on' (as typical of any corporation) was conveyed through the employee grapevine. Someone might have seen something on television or talked to someone who knew someone who 'knew'. I heard a lot from family and friends who watched newscasts and read business journals. A worry of mine was the Littleton commitment to Martin (my father had voted while on the Littleton City Council as a 'yes' for Martin). Would Littleton be without the corporation they had welcomed?

The Martin counter-attack was aggressive. The strategy (better known as Pac Man) was explained to the *Wall Street Journal*, as "That's where my client eats your client before your client eats mine." Public Relations had to kick into high gear establishing one point of contact for newspapers calling daily. These included: *The Wall Street Journal*, *The New York Times*, *The Washington Post*, *The (Baltimore) Sun*, *The Detroit Free Press*, *The Denver Post*, and others.

Thus began a month of high stakes business, legal, and 'political' maneuvering with many on the corporate team

barely even getting home. There was one day when both Martin and Bendix lawyers were in courtrooms in ten jurisdictions! "A pox on both your houses" one judge remarked.

The states of Maryland and Delaware, which were the corporate headquarters for Martin and Bendix respectively, had different calendar requirements for such business dealings, and; as the Securities and Exchange Commission got involved, other requirements were put in place. Overall, the advantage time-wise went to Martin. According to the *New York Times*, Bendix requested injunctions from the Delaware Chancery Court in Wilmington, the United States Court of Appeals for the Fourth Circuit in Baltimore and the United States Court of Appeals for the Sixth Circuit in Detroit. Martin won in all three courts.

Business reporters were having the time of their lives. Martin was portrayed as the 'good guy' and Bendix as the 'bad guy', in part because of the enmity the business community held towards Agee due to the Cunningham situation and the fact that that Bendix had started this mess.



An example of the business press outlook

The culmination came on one busy weekend. Martin's Treasury had to get commitments for a billion dollars from Martin banking partners. Imagine how difficult it was to raise that amount of money when the company had little cash on hand and not much borrowing power.

One briefing had been made to corporate employees. Legal, as would be expected, was on high alert status, everyone manning their posts. By Monday, with

everything in place, the Board of Directors voted to tender an offer for 11,900,000 shares of Bendix at \$75 per share. The tipping point came when United Technologies Corporation (UTC), in the form of CEO Harry Gray, offered a plan to mount an unfriendly takeover of Bendix with Martin. It was UTC's entry that raised the Martin bid to \$75. Bendix in turn raised their bid for Martin stock by \$5 to \$48; which Martin's Board of Directors rejected. Gray was one of those business leaders offended by the Agee/ Cunningham episode.

By the week after Labor Day, Bendix had 58% of Martin shares tendered at the original price of \$43 with a withdrawal period until the 16th of September. Martin had 75% of Bendix shares tendered. Both companies now owned each other. That percentage was achieved due to the work of Doris Rush, a highly regarded engineer and lawyer who worked for Martin.

Rush developed a legal theory of the fiduciary responsibility of Citibank (trustee of the Bendix Employee Trust, which held a weighty percentage of Bendix Common Stock) to tender the trust shares for a significant profit to the employees of Bendix.

At the last minute the shares were tendered. On September 23, an announcement was made that Allied and Bendix planned a merger. As stated in the *New York Times* that day: "The Allied Corporation and the Bendix Corporation announced yesterday that they had agreed to merge, making Allied the fourth entry in one of the most bizarre takeover battles in American corporate history."

"If Allied were actually to purchase Bendix in a deal involving nearly \$1.9 billion, Allied would be taking over a company that has already bought a controlling stake in the Martin Marietta Corporation. Bendix acquired 70 percent of Marietta's stock on Monday."

Pressure was put on Bendix. UTC upped its merger offer to \$85 per share. Martin gave strict conditions under which they would *not* seek control of Bendix. Bendix called a stockholders meeting which turned contentious and resulted in lights being turned out and microphones being turned off. The Bendix meeting chair walked out and a Martin stockholder took control of the meeting! This more or less saved the day for Martin -- at least that day.

The culmination could not have been more suspenseful had it been written in Hollywood. Because of disparities in securities regulations, Martin literally had ONE MINUTE, between midnight September 22 and 12:01 a.m September 23 to purchase the Bendix stock. In that one minute, Martin purchased some 8,988,912 share of Bendix stock for \$750 million. Martin had prevailed.

When I returned to work the next day, I again took a good look -- the sign had not changed. It still read *Martin Marietta*. I was relieved.

Post Script: Martin Marietta went on to merge with Lockheed and become Lockheed Martin, the largest United States defense contractor. Bendix was purchased by Allied who later purchased Honeywell and retained the Honeywell name. Bendix became a Honeywell brand.

Bridge Club

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

"Bridge is a game of skill, but also a game of psychology. Unfortunately, some players will try to get under your skin but don't let them do it! Come to the bridge table with thick skin and play your best bridge -- rise to the occasion, don't sink to their level."

Come join us at our monthly get together! All MARS members and their guests 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. There is a small fee to the Buck Center as well as a small fee to the club (which helps with supplies and the year-end party in December).

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, but you need to 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 3rd Quarter 2017 winners are as follows:

July 21 (3 tables)

1st – Jerry Baab & Theodore Bornhoeft

2nd – Ernie & Cecile Berliner

3rd – Mike Davis & Mary Stirling

4th – Bart & Diane Wright

August 18 (3 tables)

1st – Dave & Kathy Martz

2nd – Ernie & Cecile Berliner

3rd – Mike Davis & Mary Stirling

4th – Theodore Bornhoeft & Trudy White

September 15 (3 ½ tables)

1st – Bill & Mavis Kacena

2nd – Bart & Diane Wright

3rd – Theodore Bornhoeft & IM Lochmart

4th – Mike Davis & Mary Stirling

Dinner Club

By Becky and Gary Englebright
(Englebright@Earthlink.Net)

and

Anita and Roy Kannady
(AnitaKannady@Yahoo.Com)

NOTE: The November 6, 2017 lunch at the Littleton Sakura Hibachi Restaurant has been changed to the Aurora Location (14045 E. Evans Ave. Aurora, CO 80014)

The 2018 first quarter luncheons for MARS members have been scheduled. The attendance was steady in 2017 and will hopefully continue in 2018. While some venues have attendance limits we still had room for additional reservations for most venues. Please make your reservations sooner rather than later if you wish to attend.

The 2018 first quarter luncheons are:

- January 16, 2018–3 Margaritas (County Line Rd.)
- February. 12, 2018 – Zest restaurant
- March 19, 2018 – Imperial Garden

We continue to explore the restaurant scene looking for new and interesting places to have lunch. If you have a suggestion for a new venue, please let us know, by email by or by phone (**please leave a message** if we are not home).

We have scheduled restaurants each month with the goal of keeping our costs in check, recognizing that increases are likely. In addition, we will continue to make every effort to provide luncheon opportunities that are on the lower end of the scale to help balance the cost. Remember, the luncheon prices include tax and a 20% tip.

I am sure we speak for all those that have enjoyed the past Dinner Club outings that Skip and Pam Hull organized when we say "You did Good!"

A final thought: *"I get way too much happiness from good food."* Elizabeth Olsen



Golf League

By Don Petermann
donnarlen3@gmail.com



MARS Golf is winding down! The weather has been great!!

The MARS Golf League is coming to a close for the 2017 season!!

The MARS Golf League started playing April 6 and will continue to play until Oct. 26th, weather permitting, at Broken Tee Golf Course.

Our League Championship was played August 10 and 17.

Congratulations to all that played! The 2017 winners were:

- 1st place - Roger Rieger
- 2nd place - John Mitchell
- 3rd place - Ken McDowell
- 4th place - Bob MaFarland
- 5th place - Tom Cooke
- 6th place - Don Petermann

Closest to the Pin on Aug. 10 were:

- 7th hole - Dave Boggy
- 17th hole - Dave Boggy

On Aug. 17 were:

- 5th hole - John Alfeld
- 10th hole - Don Purkey

Medalist - Bill Fulkerson with lowest gross score of 173

Please go to the MARS web site:

<http://www.marsretirees.org/> and click on "Golf" for all the details on our league. Also, please feel free to contact any one of the officers or schedulers for more information about our league. Phone numbers and email addresses are on our golf web site.

Old member or new, young or not so young, male or female, we look forward to you joining us for some great fun and who knows....maybe even some good golf!?! We hope to see you out golfing next year!

Don Petermann & Bo Rodriguez



Photography Club

By John Chapter
johnchapter@msn.com
 303-986-8277



Background

The MARS Photography Club does not meet during the summer months of June, July and August as many club members are traveling and entertaining visitors. We just had our first meeting of the current season on September 14, 2017. We had an educational meeting featuring a National Geographic with lecture presented by a professional photographer.

We have two meetings remaining this year, October 12 and November 9, 2017. We have not finalized our October and November meeting presentation subjects yet but we are considering several educational subjects as well as travel photography trips to Japan and India.

We do not have a normal meeting in December as we plan to have a Holiday Luncheon at the Golden Corral Restaurant that is located at Hampton and Santa Fe Ave. Please check the Mars Retirees web site, Photography Club Section, for our meeting details.

When and Where We Meet

The Club meets at the Littleton Bemis Library, located at 6014 S. Datura Street, in Littleton Colorado, usually on the second Thursday of the month, from 1:00pm to 3:30pm.

Every meeting we have a program by a club member or an outside presenter that is often on travel or photography education. We also have a friendly photography competition and the selected images, First, Second and Third, as well as, one or two Honorable Mentions, are shown on the MARS Retirees-Photography Section web page. Upcoming meeting programs as well as past meeting competition winners are also shown.

Meeting Highlights

Several months of our Photo Competition Winners are shown on the MARS Retirees web site.

Our May 2017 program was a show-and-tell discussion by our members on their experiences making photography books using online software. We prefer where possible, to have these group discussion meetings that can be very informative and fun.

Our recent meeting in September 2017 was very well attended and I hope that we all learned some new ideas to help improve our landscape photography. The *First Place* competition winner for September was a different perspective view of a lighthouse spiral staircase by B.J. Anthony as shown below.



The *Solar Total Eclipse* that was across the USA on *August 21, 2017* was eagerly looked forward to especially by photographers. The path of totality went from *Oregon to South Carolina*. *Wyoming* and *Nebraska* were a relatively easy drive from Colorado especially if you left a day or so early! John Chapter and a few others of our club members viewed the spectacular 2.5 minute long eclipse. John showed several prints that he took at our September meeting. One of these images was *Photoshop Enhanced* to bring out details in the sun's corona and prominences as shown below:



John took this image from *Grand Island Nebraska* with a 5-inch refractor that he built in the 1970's. The next USA total solar eclipse, is across the south east in 2024.

You Can Become a Photography Club Member

You can become a member of the MARS Photography Club by just stopping by one of our meetings. We would love to have you be a part of our club. Club membership is fun and there are no requirements. If you have any questions or comments, please contact John Chapter, our club President, email address, johnchapter@msn.com.

Hiking Club

By Sue Janssen

(susan.g.janssen@gmail.com)

Three excellent hikes were enjoyed by MARS hiking club members. Many thanks to our members who make the club successful by organizing monthly hikes, taking photos and drafting paragraphs for the MARS Star article!

Gene Dionne planned the July hike to Silver Dollar Lake near Guanella Pass. Sixteen hikers and three dogs made the climb above the Guanella Pass Road to Silver Dollar Lake for excellent views of the cirque to the west and several mountain peaks (including Mt. Bierstadt) to the east. After a short break many in the group continued further up to Murray Lake at almost 12,000 ft. Although it was mid-July hikers had to cross several narrow snowfields! There was a nice display of Colorado columbine to admire along the way. The weather was perfect and the temperatures cool as compared to a ~ 95 degree day in the Front Range. After working up an appetite and thirst, the hikers reconvened at "The Happy Cooker" in Georgetown for a late lunch and a round of cold beers. Good time had by all!



Crossing a snowfield on the Silver Dollar Lake Trail. (Photo by Dick Sosnay)



Snowfields around Murray Lake in July. (Photo by Sue Janssen)

Allen and Sally Sanders led the August hike. Eleven members and a yellow lab named Finn hiked the Hidden Fawn, Sisters, Brothers, and Ponderosa Trails in the Three Sisters Jeffco Open Space Park near Evergreen. It was a beautiful day for a hike. The Hidden Fawn Trail lived up to its name and provided an encounter with two deer. The view from the Brothers Overlook was great. After hiking the 4 miles, we all had refreshments and lunch at Cactus Jack's in Evergreen.



Hikers enjoy a respite along Beaver Brook Trail. (Photo by Ken Ruiz)



Pictured are: Val Gregory, Pam Alstott, Joe McDermott, Vicky Eberhardt, Sherry Vargo, Pat McDermott, Rick Hjelm, Mark Willey, Ken Ruiz, Sally Sanders, and Finn. Hidden behind the camera is Allen Sanders.

The September hike was led by Ken Ruiz. A group of 11 hardy souls met at the Beaver Brook Chavez Loop trail head. This is a very scenic loop that starts out dropping 1,180 feet into Beaver Brook near Genesee. The trail then follows the creek, crossing back and forth several times, before beginning the climb back out to complete a 5 mile loop. Those making the hike were Dan and Lucy Ellerhorst, Val Gregory, Mike Bartlett, Pam Alstott, Joe McDermitt, Ellen and Pat Albert, Rick Hjelm, and Vicky Eberhardt. The day was about perfect for hiking as the weather was a little cool with most of the trail being in the shade. A welcome relief from the above normal temperatures we have been experiencing in Denver! By dropping into the canyon the wind was not a factor. After the hike we met at the Genesee Pub & BBQ for lunch and a beer - or maybe two.



One of the several stream crossing. (Photo by Dan Ellerhorst)

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. Please provide your email address, home phone and cell phone for the roster. The schedule of hikes is posted on the MARS website (<http://www.marsretirees.org/>). Even if you have never gone snowshoeing or hiking you are welcome to join in the fun.

Happy trails! It will soon be time to dust off our snowshoes.

The MARS Associates Website

By Jim Kummer
(jkummer@comcast.net)

The MARS website committee wishes to express appreciation to the MARS elected officers and club officers for keeping the information on the website current. All of these individuals forward timely updates

for schedules, discounts, benefits, and membership. They recognize the value the MARS members realize from the accurate and timely information the website provides.

You are encouraged to access the MARS website, www.marsretirees.org, where you will find excellent information resources for MARS members. Here are the websites of the month from the last quarter.

- July –** [5 Things You Should Know About the Lockheed Martin Hybrid Airship](#)
- Aug -** **Take Free Online Courses at Coursera.org**
- Sept –** **Check out your charitable options at www.charitynavigator.org/**

Your website committee members welcome your suggestions for improvement, and for proposed websites of the month. Email them to me at jkummer@comcast.net. Your website committee members are: Linda Stearns, Paul Bingham, Bob Knickerbocker, Duane "Smitty" Smetana, and Jim Kummer (Webmaster).

Colorado Springs Lockheed Martin Retiree Group News

By Doug Tomerlin
(dougincs@aol.com)

Our retiree group did not hold any functions this summer. Many of our members enjoyed outdoor activities in Colorado and many took vacations around the United States, Europe and many enjoyed cruising this summer. Our fall luncheon is tentatively planned to be a pre-Thanksgiving buffet in Mid-November at the Lockheed Martin Colorado Springs building 2 cafeteria.

We are very grateful we did not have any of our members pass away since the last newsletter.

The Colorado Springs Lockheed Martin Retiree Group is an organization for individuals who retired from Lockheed Martin, primarily from divisions located in

Colorado Springs. Retirees from heritage companies Philco, Philco-Ford, Ford Aerospace, and Loral are also welcome to join the group. You are welcome to join if you are retired or retiring from Lockheed Martin or one of the heritage companies. There is no cost to join the group.

Benefits of joining the retiree group include:

- Stay in contact with other retirees via low cost luncheons twice a year and other activities
- Members receive email announcements for:
 - o Luncheons and other activities
 - o Deaths and/or services of fellow retirees or long term employees
 - o Other pertinent information

If you would like more information about the group or the luncheons, please contact Doug Tomerlin at douginc@aol.com.

RAMM – Baltimore News

By Dottie Ruth
(dotruth725@comcast.net)

After thirty-one years, it is with deep regret that the Baltimore Middle River Retiree Association of Martin Marietta (RAMM) will cease to exist.

Due to the aging of our members and declining treasury, the Director, Officers, and Staff have no choice but to retire our organization.

Many of our members were employed by that genius of aviation, Glenn L. Martin. Memorable stories of that early Martin Company were often related at our RAMM meetings. It is sad to bid goodbye to the friends we made these thirty-one years. The organization will end but the memories will live on.

Cape Canaveral News

By Dick Olson
(Olsons5145@aol.com)

Luncheons

July – We had a really light turnout this month. Looks like everyone was worn out from all the 4th activities, to much heavy fork lifting and elbow bending would be my guess. Those that made the scene were Wendell McDaniels, Roger Wright, Abe Smith, Jerry Teague, Dick Hinshaw, Tom Savage, Jerry Moskovitz, Hal Castleton and Bob Rodamer.

Jerry Moskovitz had a call from Jimmie Weddle informing him that Jimmie's wife had passed away on the 4th and that he would be taking her to the Carolinas for burial. There are no local services planned. Also, Dick Hinshaw reports that Mike Desanto has passed away. Mike was part of the Titan team in the Mechanical group. There is no information available on services.

Hope everyone had a safe and happy Independence Day and I hope to see you next month.

August -- We had a pretty good turnout for lunch and a few surprises. Regulars in attendance were Wendell McDaniels, Jerry Teague, Bill Masterson, Hal Castleton, Walt Starkey, Jerry Moskovitz, Frank Indihar, Chris Hutchmacher, Dave Kintigh, Don Anderson, Abe Smith, and Larry Gleason. The surprise was the appearance of Al Scheafle, Kent Gunderson, Ralph Westermann and Danny Morino.

Al was the former Director of Titan IV, Kent worked various programs including Titan I and IIIC, Ralph was a Test Conductor at VTF and the Test Stands in Denver, while Danny was our MDAC rep on the Titan IV payload fairings and has just recently retired. Al, Ralph and Kent are part of a golf group that also had Wendy Fields and John Harris on their roster and I use to fill in when someone was missing. Wish John Harris could have joined them for lunch.

Everyone enjoy the rest of summer and see you next month.

September -- We had a really a slim turnout this month. I guess all the smart people were doing hurricane Irma preps. Jerry Moskovitz, Frank Indihar, Abe Smith, Danny Molina and myself represented the others. Watching the news the latest track for Irma is right up the center of the state as a category 3 hurricane. Not good. I wish all of you a safe weekend and hope any damage is minimal. We need the Cape Canaveral charm to kick in.

Martin Marietta Retiree's Club (Vandenberg News)

By Charlie Radaz
(fcmjradaz@aol.com)

July 27th we had 22 attendees at our luncheon at the Embassy Suites in Lompoc. Member Larry Loos, who runs our 50-50 drawings, won the drawing for \$26.00.....go figure! The program was presented by visiting Orcutt Lions, Vincent Thomas and Chuck Williams. They described the origin of Lions and the work they do for needy causes in the community and around the world. We were sorry to announce the passing of John Coffey and Terry Gloeckner, Sr.

We met August 31st at the Santa Maria Radisson Airport Hotel with 30 attendees. Jerry Wetterholm won the 50-50 drawing in the amount of \$33.00. We were super pleased to have Denver retiree Loman Park and his wife Patricia in attendance. They were visiting their children in the Central Coast. The program was presented by Douglas Dougherty, Executive Director of the Orcutt Oasis Senior Center. He described their organization's operations and their funding drive to build a new facility. Aubrey Collins, MMRC Treasurer and Board member outlined his duties in the Club and invited any member to join him in helping with his tasks. President April Hardy and Aubrey led a discussion regarding increased meal costs at our various meeting locations. Those attending were Augie Aguilar, Don Buck, Steven Bircher, Aubrey and Crystal Collins, Larry Curtis, Art Greer, Jean Gilman, Bud and Carol Gurney, April Hardy, Peggy Isaac, Larry Loos, Rod McCarthy, John Nakata, Rodger and Polly Phillips, Ralph and Heather Quinn, Charlie Radaz, Russ Sharer, Eunice Souder, Jerry Wetterholm, Douglas Dougherty, Loman and Patricia Park.

Our September 28th luncheon will be held at Buelltons' Pea Soup Andersen's with Tom Heter III, ULA VAFB Manager for Atlas V and Delta IV, giving us an update on ULA activities.

The Club normally meets the last Thursday of each month at noon. We rotate between Santa Maria, Lompoc and Buellton. All former employees, their spouses and associate contractors are welcome to attend, visit and share informal stories.

Please call Aubrey Collins (805) 937-8299 for the location and reservations.

Lockheed Martin (LM) News

All in the Family: Lockheed Martin Introduces New Satellite Lineup

Company shows results of \$300 million investment in range of satellite buses, from nanosats to high-powered spacecraft

NATIONAL HARBOR, Md., Sept. 19, 2017 /PRNewswire/ -- Today Lockheed Martin (NYSE: LMT) debuted a new family of satellite buses that form the core of nearly every space mission. From nanosats to high-powered satellites, the versatile lineup incorporates dozens of major enhancements and hundreds of common components that speed production and reduce cost. The company announced the lineup at the Air Force Association Air, Space & Cyber Conference.



"We've invested \$300 million in revamping our satellite solutions from top to bottom, applying what we learned from hundreds of small sat and geostationary missions," said Rick Ambrose, Lockheed Martin Space Systems executive vice president. "We now have one family for every mission fully integrated with our end-to-end capabilities in ground stations, payloads and software applications. As defense, scientific and commercial missions change and evolve, we'll be ready with proven, powerful and flexible technology to meet tomorrow's demands."

The new family of satellite buses includes:

- **LM 50™ Series:** These flexible nanosats now have a wider range of size and power options.

Plus, they now benefit from the experience and technology of [Terran Orbital](#).

- **LM 400™ Series:** The upgraded version of the company's legacy small sat bus packs more propulsion than other buses its size and can fly in low Earth orbit, geostationary or even interplanetary. Production efficiencies like 3-D printing speed its order-to-delivery timeline to as little as 24 months.
- **LM 1000™ Series:** Lockheed Martin's newest bus for mid-size missions, the LM 1000 features the most commonality with LM 2100 to reduce cost and host higher-power payloads, such as remote sensing missions. Like the LM 400, LM 1000 is built for multiple orbits or interplanetary missions.
- **LM 2100™ Series:** The [modernized A2100®](#) bus has a new name and a host of new enhancements. The powerful spacecraft has 26 improvements that add more power and flexibility to a proven platform.

"As technology evolves, customers have told us they want faster production cycles and more versatility for their dollar, and we're listening," said Kay Sears, vice president of strategy and business development for Lockheed Martin Space Systems. "We're transforming the way we design, engineer and produce satellites to deliver the same performance and precision our customers expect from Lockheed Martin, but faster and at a lower price."

For the first time, all of Lockheed Martin's satellites will share common components, and more than 280 have been identified. The multi-year effort to identify common systems aims to reduce cost, shorten design time and increase reliability with trusted components. Lockheed Martin's software support systems also enhance flexibility and make each bus rapidly reconfigurable. While configurations may vary in each series, the core elements of each bus will retain commonality with other satellites, including missions in military, civil and commercial markets.

Learn more about the new family of solutions at www.lockheedmartin.com/satellites.

United Launch Alliance News

Astrobotic and United Launch Alliance Announce Mission to the Moon

Rust Belt Company, Astrobotic selects ULA to launch its Peregrine Lander in 2019 for lunar mission 50 years after Apollo 11

Pittsburgh, PA (July 26, 2017) – Astrobotic and United Launch Alliance (ULA) proudly announce today that Astrobotic's Peregrine Lunar Lander will be onboard a ULA launch vehicle in 2019, during the 50th anniversary of Apollo 11.

"Astrobotic is thrilled to select a ULA launch vehicle as the means to get Peregrine to the Moon," said John Thornton, CEO of Astrobotic. "By launching with ULA, Astrobotic can rest assured our payload customers will ride on a proven launch vehicle with a solid track record of success. Together, our two organizations will honor the past and trail blaze the lunar future."

This effort is a big step in realizing Astrobotic's goal of creating a Rust Belt based international gateway to the Moon. The Peregrine Lunar Lander will fly 35 kilograms of customer payloads on its first mission, with the option to upgrade to 265 kilograms on future missions. Already 11 deals from six nations have been signed for this 2019 mission. The first mission in 2019 will serve as a key demonstration of service for NASA, international space agencies, and companies looking to carry out missions to the Moon. This announcement comes as Astrobotic continues to advance Peregrine toward flight, with the preliminary design review of the vehicle having already taken place in November 2016.

"Technical credibility and signed deals remain key differentiators for Astrobotic as a lunar delivery company. Our customers and partners know that our 10 years of lunar lander development work has made us the world leader in this market," said Thornton.

"We are thrilled that Astrobotic has selected ULA to launch the Peregrine Lander to the Moon," said ULA president and CEO, Tory Bruno. "The Moon is the next great frontier, but in a different way than when Neil Armstrong landed there. Enabling technologies like those from Astrobotic will allow people to live and work in the space between here and the Moon and take advantage of all those resources in a way that is sustainable."

ULA joins a world-class team of mission partners led by

Astrobotic. These partners include NASA, who is providing Astrobotic access to some of the best spacecraft engineers and facilities in the world, as part of NASA's Lunar CATALYST Program; Airbus DS, who brings world-class spacecraft experience in human spaceflight and exploration and leverages previous lander development work with the European Space Agency; and Deutsche Post DHL Group, the world's leading mail and logistics company, who is the "Official Logistics Provider for Astrobotic's First Mission to the Moon."

About Astrobotic:

Astrobotic Technology Inc. is a lunar logistics company that delivers payloads to the Moon for companies, governments, universities, non-profits, and individuals. The company's spacecraft accommodates multiple customer payloads on a single flight, offering flexibility at an industry-defining low price of \$1.2 million per kilogram. Astrobotic is an official partner with NASA through the Lunar CATALYST program, has 23 prior and ongoing NASA contracts, a commercial partnership with Airbus DS, a corporate sponsorship with DHL, 11 deals for its first mission to the Moon, and 110 customer payloads in the pipeline for upcoming missions. Astrobotic was founded in 2007 and is headquartered in Pittsburgh, PA

United Launch Alliance Successfully Launches NASA's TDRS-M Satellite

Final Mission in Series Completes Third Generation Space Communication Satellites

[Atlas V TDRS-M Mission Overview](#)

Cape Canaveral Air Force Station, Fla., (Aug. 18, 2017) – A United Launch Alliance (ULA) Atlas V rocket carrying the NASA's Tracking Data and Relay Satellite-M (TDRS-M) lifted off from Space Launch Complex-41 Aug. 18 at 8:29 a.m. EDT. The TDRS-M is the third and final mission in the series of these third-generation space communication satellites to orbit, as part of the follow-on fleet being developed to replenish NASA's space Network.

"ULA uses the TDRS system as a primary means of receiving and distributing launch vehicle telemetry data during every flight. In fact, the TDRS-K and TDRS-L spacecraft, launched by ULA in 2013 and 2014 tracked

today's launch" said Laura Maginnis, ULA vice president of Government Satellite Launch. "We are absolutely honored to have delivered this core NASA capability and critical national resource for our country."

All six of the newest TDRS satellites have been delivered to orbit on Atlas V vehicles.

This mission was launched aboard an Atlas V 401 configuration vehicle, which includes a 4-meter extended 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 the Aerojet Rocketdyne RL10C engine. This is ULA's 5th launch in 2017 and the 120th successful launch since the company was formed in December 2006.

"Congratulations to our entire ULA team and mission partners at NASA on another successful launch that will enable so many to explore and operate in space," said Maginnis.

The Tracking and Data Relay Satellite System (TDRSS) is a space-based communication system used to provide tracking, telemetry, command and high-bandwidth data return services. Microwave communications equipment and gimballed antennae are the primary payload of each TDRS. The system is capable of providing near continuous high-bandwidth telecommunications services for Low Earth orbiting spacecraft and expendable launch vehicles including the International Space Station.

With more than a century of combined heritage, United Launch Alliance is the nation's most experienced and reliable launch service provider. ULA has successfully delivered more than 115 satellites to orbit that aid meteorologists in tracking severe weather, unlock the mysteries of our solar system, provide critical capabilities for troops in the field and enable personal device-based GPS navigation.

For more information on ULA, visit the ULA website at www.ulalaunch.com, or call the ULA Launch Hotline at 1-877-ULA-4321 (852-4321). Join the conversation at www.facebook.com/ulalaunch, twitter.com/ulalaunch and [instagram.com/ulalaunch](https://www.instagram.com/ulalaunch).

MARS ASSOCIATES EVENT SCHEDULE

DATE: October 2017

EVENT/MONTH	2017			2018						
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Board of Directors		1		3		6		2		3
Officers	4	1	4	3	7	6	4	2	6	3
Bridge	20	17	15	19	16	16	20	18	15	20
Dinner	10	6	-	16	12	19	TBD	TBD	TBD	TBD
Golf	Thur	-	-	-	-	-	Thur	Thur	Thur	Thur
Hiking Club	18	15	20	17	21	21	18	16	20	18
Photo	12	9	14	11	8	8	12	10	-	-
Web Committee	9	10/31	TBD	2	6	5	3	1	5	2
Holiday Celebration										
Holiday Celebration			5							
Annual Meeting						7				
CO Rockies Game									TBD	
Senior Luncheon										TBD
Annual Picnic										
Items due for MARS STAR										
Event Schedule Input to PE				2			TBD			TBD
STAR Input to Editor				3			TBD			TBD
STAR Repro. Deadline	9			15			TBD			TBD
STAR Mailing	18			24	2		TBD			TBD

1. BOD meets the first Wednesday of every other month at **The Egg & I, Highlands Ranch** at 09:30 am.
2. Officers meet the first Wednesday of every month at **The Egg & I, Highlands Ranch** at 09:30 am.
3. Bridge Club meets the third Friday of every month at 10:00 am at Buck Recreation Center.
4. Dinner Club:
October 10-Outback Steakhouse - Lunch; November 6 – Sakura Hibachi (Aurora) - Lunch; December - none (Holiday Celebration)
January 16 – Three Margaritas (Broadway) - Lunch; February 12 - Zest - Lunch; March 19 – Imperial Gardens – Lunch; April – TBD;
May - TBD; June-TBD
5. Photo Club meets the second Thursday of every month (except June, July & August) at 1:00 pm at the Bemis Public Library in Littleton.
6. Golf meets every Thursday from April through Oct of each year.
7. Hiking Club: Outings on the third Wednesday of the month. Check the website for place and time.
8. Web Committee meets at Noon at Sweet Tomatoes on West Bowles, Littleton, on the Tuesday prior to BOD/Officer meeting
9. **2017** Holiday Celebration – TUESDAY December 5 – Pinehurst Country Club
10. **2018** Annual Meeting – March 7 – Pinehurst Country Club
11. **2018** MARS Day at the Rockies - TBD
12. **2018** Senior Luncheon - TBD
13. **2018** Annual Picnic - TBD

EVENT SCHEDULE Input to President Elect (PE) has been added to the waterfall of due dates for MARS STAR to ensure timely input to Editor

Please review dates and times and notify Dan Ellerhorst (dan.ellerhorst@gmail.com) if you have any changes or additions.