

# The Next Stage

VOLUME 28, ISSUE 3

Newsletter of The Huntsville Division Alumni Association

August 25, 2023

## Next Board Mtgs:

(2nd Thurs each qrtr)  
Oct 12, 2023

**2:30 pm** Faith  
Presbyterian Church,  
SE corner of  
Whitesburg/Airport...

*Come bring some  
ideas for recruiting  
new, younger  
members!*

## Dates to Remember:

**2023**

**-9/23/23: Fall  
Breakfast @  
Brookdale/Jones  
Farm, 09:00**

**-12/2: Christmas Party  
@ Magnolia Trace.**

Specific details will be  
provided closer to the  
date of the event.

## Monthly:

**1st Wed:** Ladies  
lunch, 11:00. If you  
would like to resume  
this luncheon, please  
notify editor with  
suggested location.  
256/534-9702. A  
trusted source  
indicates Gibson's  
may not reopen.

**3rd Wed:** Lunch at  
Logan's/Balmoral  
12:00. Call/email Jim  
Gasaway for details:  
djgas@att.net. Please  
give enough lead time  
to provide Logan's an  
accurate head count.

*If there is interest in  
forming another  
regular meeting  
group/time, please let  
editor know.*

**Get involved!  
Stay in touch!**



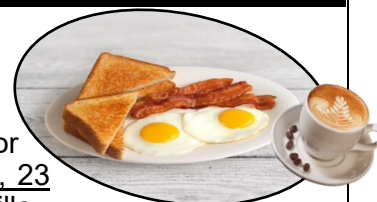
## JOIN US FOR A BROOKDALE BREAKFAST!!

Brookdale @ Jones Farm is back in business for  
our HDAA group! Come join us for breakfast on Saturday, 23  
September at 09:00, 2815 Carl T. Jones Drive SE in Huntsville.

Committee Chair, Bill Barnes has negotiated to keep the cost at \$10/person.  
The chef will be serving another delicious buffet menu (TBD) for our enjoyment...so,  
come join us for great food, camaraderie, and relax/visit a while!

We DO need to get a headcount so Brookdale can properly prepare for attendees.  
Please RSVP to Charlie (256/881-4192) no later than Monday, 18 September.

*Looking forward to seeing you All there!*



## The Women of Artemis

By Kendra Kastelan

Named after the twin sister of Apollo in Greek mythology, NASA's Artemis puts the work of women at the forefront. The program is focused on establishing a sustainable human presence in deep space, including ultimately landing the first woman on the Moon. Here at Northrop Grumman, women are leading the way to help achieve this history-making first.

The inaugural mission, Artemis I, completed a successful 25-day mission in fall 2022 after the Space Launch System (SLS) rocket launched the uncrewed Orion spacecraft around the Moon, farther than any human-rated spacecraft has gone before. In 2024, Artemis II will take a crew on a similar route to Artemis I, and Artemis III will land astronauts on the Moon for the first time since 1972 — not only the first female astronaut, but also the first person of color.

While women have played pivotal roles in space exploration efforts here in the U.S. for more than 60 years, barriers remained that kept many out of leadership positions until recent decades.

"I've seen the industry change over time," said Sally Richardson, Habitation and Logistics Outpost (HALO) program director at Northrop Grumman. "Women have a seat at the table now, in senior positions here and at NASA, and when we get the first woman to the Moon, it is women in these leadership roles who will make it happen."

With a background in physics, Sally joined Northrop Grumman (NG) over 30 years ago and now leads the development of humanity's first space station in lunar orbit. Watching Buzz Aldrin and Neil Armstrong walk on the moon during the first lunar landing triggered her desire to enter the aerospace industry. Later, astronaut Sally Ride became a great inspiration to her.

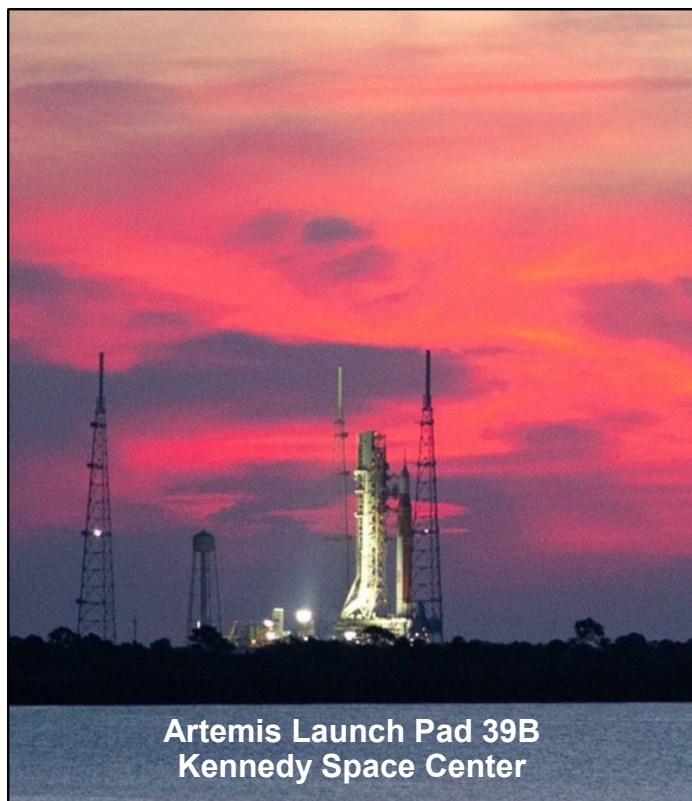
She encourages young women to open their minds to the possibilities that a STEM education brings, as the space industry needs diverse ideas. Recent reports by the American Society for Engineering Education show women continue to make up less than 25% of the total fall enrollment in undergraduate engineering programs.

"The graduating classes in engineering and the sciences are not 50% female or persons of color," said Jill Eskew, NG program manager for the SLS boosters. "With Artemis, our nation's youth can begin to see themselves in the astronauts and workforce supporting these incredible missions that benefit all of humankind." (Continued on Page 2)

(Excerpt from <https://www.northropgrumman.com/space/the-women-of-artemis/>)

**THE WOMEN OF ARTEMIS** (continued from Page 1)

Jill started with NG heritage companies over 36 years ago (Ed Note: TC/HD in Chemistry), and today she plays an essential role in the SLS booster program, co-located with



Artemis Launch Pad 39B  
Kennedy Space Center

NASA's Marshall Spaceflight Center in Huntsville, AL. NG provides twin solid rocket boosters for the SLS rocket, which each produce 3.6 million pounds of thrust at launch and are vital to get the massive SLS rocket out of earth's atmosphere.

"I love the excitement I see when speaking to young people, said Jill. "Artemis' astronaut crews are going to be a true representation of our population. The missions are bold and are inspiring a new generation."

Erica Sandoval, abort motor program manager at Northrop Grumman, discovered engineering through fashion. Enjoying putting clothes together, Erica was looking for similar ways to think critically and found her skills to be applicable to STEM-related fields. She started at the company over 20 years ago as a quality engineer and now leads a major system crucial to Artemis astronaut safety.

"It's ironic," said Erica. "We don't want our product [the abort motor] to be used, but it's an incredible system that is necessary as we look to make human exploration of the Moon and Mars a reality."

The abort motor is one of three solid rocket motors that compose the Orion spacecraft Launch Abort System, an escape system that safely removes the crew capsule from the SLS rocket in the event of an emergency on pad or during ascent.

"There weren't many women in engineering school; we all had male role models that inspired and encouraged us," said Erica. "It is incredibly humbling to lead a team that's a small part of something that changes what's possible for humanity."

## ...SUMMER SNAPSHOTS...

The summer picnic was exceptional: weather was perfect, food delicious (Lawler's Always does an outstanding job!), camaraderie spectacular. It was a smaller than normal group, but that enabled conversation with Everyone. Folks lingered for quite a while after the delicious barbecue meal as we got caught up on each others' lives. It's also very heart warming that we do a Pledge of Allegiance to our great American Flag and always offer a prayer before we eat. Nice to know that Some heart-felt traditions still remain. *Thanks to Ron/Alice Clements, Ray Zimmerman, and everyone who helped to make this a wonderful event!*

(More photos/HDAA Facebook)



L-R: Amma Barnes, Alice Clements, Jacque Whitesides, Lorra Zimmerman

L-R: Harold Whitesides, Ray Zimmerman, Wayne McCain



David and Faye Jones (Ed note: So kind to come pick me up. *Thanks, Y'all!*)



L-R: Juanita/Gerald Roberts, Amma/Bill Barnes  
Back: Chuck and Charlie Thomas



Daniel, Paulette Hamblin, Jan Kranert



John/Linda DeHaye



## FRIENDS IN THE NEWS....



Am certain you've heard it said that the best education is quite often obtained at the feet of an older person. Or, sometimes it can be a nice, quiet walk in nature with dad/granddad. Bill Barnes and daughter Jennifer enjoying that walk and talk! *One of life's best memories...for both!*



Grandpa Chuck Anderson teaching one of his grands his first lesson.....how to share! Grands can learn lessons and share memories at Any age! *Chuck and Patti love doing just that with All their family!*

Below photo: David Ausley and Wayne McCain (seated, left) meet with students and Instructor Josh Nelson (3rd from right) to discuss their participation in Athens State

University's STEMSAT-1 Radio Astronomy CubeSat project. The group from Central Alabama Community College (CACC) are expected to play a major role in satellite data acquisition. The meeting was arranged by Karen Howle Hurst, CACC's former STEM coordinator and was held in Dr. Marla Williams' new STEM training lab for Athens' Elementary Education students. Opportunities to participate in the project are still available! The satellite launch to orbit is scheduled for late 2023 on a Vaya Space Dauntless hybrid propulsion rocket.

*Check out Wayne's FB page...he's got a LOT going on...and, he may join our HDAA Board/'24. Keep on staying young, Wayne. Good Job!*



## Long ago...in a land Far, Far away.....



## how long does it last?

### FRESH PRODUCE:

- |  |  |
|--|--|
| • <b>apples:</b> 4-6 weeks in fridge     | • <b>corn:</b> 1-3 days in fridge            |
| • <b>avocados:</b> 4-7 days at room temp | • <b>garlic:</b> 3-6 months at room temp     |
| • <b>bananas:</b> 2-5 days at room temp  | • <b>grapes:</b> 7-14 days in fridge         |
| • <b>berries:</b>                        | • <b>lettuce:</b> 7-10 days in fridge        |
| <b>blueberries:</b> 1-2 weeks in fridge; | • <b>onions:</b> 3-4 months                  |
| <b>strawberries:</b> 3-7 days in fridge; | • <b>peaches:</b> 1-3 days at room temp      |
| <b>raspberries:</b> 2-3 days in fridge   | • <b>potatoes:</b> 3-5 weeks in pantry       |
| • <b>broccoli:</b> 1-2 weeks in fridge   | • <b>pears:</b> 3-5 days in fridge once ripe |
| • <b>carrots:</b> 3-4 weeks in fridge    | • <b>tomatoes:</b> 1 week at room temp       |
| • <b>cucumbers:</b> 1 week in fridge     | • <b>watermelon:</b> 7-10 days at room temp  |
| • <b>citrus:</b> 3-4 weeks in fridge     | • <b>zucchini:</b> 7-10 days in fridge       |

*A true friend freely - advises justly, assists readily, adventures boldly, takes all patiently, defends courageously, and continues a friend unchangeably.*

-William Penn

**BE A FRIEND!**

# The Next Stage

The Huntsville Division Alumni Association  
P.O. Box 4185  
Huntsville, AL 35815-4185

REMINDER: \$12 DUES FOR 2023 WERE DUE 1/1/23

IF YOU HAVEN'T ALREADY SUBMITTED, PLEASE  
CONSIDER DOING SO. THANK YOU!



Labor Day — 9/4  
Patriot Day — 9/11  
Pow/MIA Recognition Day—9/15  
Brookdale Breakfast—9/23  
Autumn Begins — 9/23  
Columbus Day—10/10  
Halloween—10/31



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VOLUME 28, ISSUE 3

THE NEXT STAGE

AUGUST 25, 2023

The Next Stage is the quarterly newsletter publication of the Huntsville Division Alumni Association, Inc. Distribution: approximately 75. (FYI: Started with ~350 28 years ago.) Editor: Patti Wilson.

Its address: HDAA, POB 4185; Huntsville, AL; 35815-4185.

The 2023 HDAA Board consists of :  
President/Ray Zimmerman, VP/Bill Barnes, Secretary/Cecil Stokes, Treasurer/Membership/Charlie Thomas. Directors:  
(23)Ron Clements, Benny Pittsinger, Glenn Webb; (24) Jan Kranert, Gerald Roberts, Patti Wilson; (25) Tom Bryant, Jim Gasaway, Hermann Miskelly.

Ex-officio members of the Board are:  
Historian, and Cecil Stokes/WebMaster.

Contact Cecil for details about the HDAA website and FaceBook page and how to view more photos in color!

*See you at Brookdale for our  
Fall Breakfast, 09:00.*

*Looking forward to seeing everyone there!  
Think about inviting a guest who might like  
to join our wonderful HDAA family.*

## In Fond Memory...

We join the families in mourning the loss of  
family, friend(s) and prior coworker(s):

**Nancy Barnett:** Wife of the late Jim Barnett, who worked in PM and Proposals 1958-1964.

**Gene Sanders:** Who worked in the Operations Directorate and in Contracts/ Cost Analysis.

**Shirley Stokes:** Wife of Cecil Stokes, who worked in Engineering and Proposals.



They will be missed by us all, since each one touched our lives.  
Our heartfelt sympathy to those who have lost other loved ones, as well.

If you know of others who may have passed, please let us know  
so we can offer condolences. Prayers for peace and comfort to all  
who are suffering in some way.

**When God sees  
you doing your  
part, developing  
what He has  
given you, then  
He will do His  
part and open  
doors that no  
man can shut.**

SPIRITUAL INSPIRATION

*Rather than people who will  
try to make you feel better,  
you need people who will  
simply help you Feel.*

-Justin Schlueter

There is no pain so great as the  
memory of joy in present grief.  
-Author Unknown

*In this life we will  
encounter hurts and  
trials that we will not be  
able to change; we are  
just going to have to  
allow them to change us.*  
-P.L. Davis