



LCARS 40274

02-654598

THE

COMMLINK

The Newsletter of the U.S.S. Haise, NCC-74664

LCARS ACCESS 441

9886-234

0128-069

1014-819

7232-838

Publication Stardate :

JULY AUGUST SEPTEMBER 2021

COMMAND

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04-765466

05-224353

06-576565

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Message from the CO - Rear Admiral Ryan Case



Greetings Crew!

I want to first welcome all of our new crew members on-board. I hope you find your service on the Haise to be both enjoyable and meaningful. I've been a member since 2013 and have found myself the ship's Commanding Officer, the Region's Coordinator, and Vice Admiral in rank - you never know what might be

headed your way! I would like to extend my personal appreciation to this Quarter's hosts - the Theilmans, the McNeils, and the Rogerses- without your generosity and opening up your homes, we'd still be relegated to the Discord meeting space and, frankly, no one wants that. I want to extend further appreciation to the crew for continuing to work within the boundaries set by the Executive Committee (and, by extension, the CDC) for continued meetings face-to-face. I know it's not the perfect situation, but it allows for us to be together safely - and I can't ask for much more than that.

For the personal section of my article - I don't have a lot to report. I've been running a consistent Dungeons and Dragons game throughout the pandemic over Discord and have been having an absolute blast doing that (talk to your local Dungeon Master for more information).





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Message from the CO - Rear Admiral Ryan Case - cont'd

It fills in the void of "going places" that I normally report on this time of year - attempting to be safe has been difficult. On that note, just at the end of the quarter (the last week of September to be exact), the family all went to Disney World to celebrate its 50th anniversary (technically October 1 is outside the scope of this quarterly publication but... sue me). While Disney has a number of things shut down

still, it was a joy to get to share the Parks with kiddo and actually have her able to engage with the rides and events. Being there at the anniversary was a special time and I'm happy that she gets to tell everyone from now on that she was there (and got to go on her first horse ride while there). We now go into my





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favorite time of year (Fall/Winter) and my series of meetings (starting with us hosting in October)! Looking forward to seeing everyone! Onwards and Upward! Ryan



03-975683

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★
 THE COMMLINK - USS HAISE ★

Captain - Ryan Case
1st Officer - Joe Keenan
Editor-in-Chief -
Caetlen King Rogers
Chief of Security - John
Helverton
Article Submission Deadline:
15th Day of Publication Month
Publication Date: Quarterly

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Message from Chief of Communications - Castlen King Rogers

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06-758106

07-846821



July: I checked off an item from my bucket list when I was able to tag along with Mitch on a trip to Alaska. I fell in love with the place, and we have added it to the list of places we'd think about for when we retire.

August: This month means back to school and back to living on a bell by bell schedule. That may sound awful to some, but I love it. I get excited about the start of each new school year. I have 100 students this year, so I'm sure that I will learn just as much as they do.



Message from Chief of Communications - Castlen King Rogers cont'd

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06-758106

07-846821



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USS Haise July 17, 2021

**Meeting Location:
Bethany's Home -
At this monthly meeting, the Haise Crew enjoyed meeting in person again and eating breakfast for dinner. That's right! It was our always throughly enjoyed Waffle Night.**



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It is always great to see new faces at our Haise meetings!! Welcome!

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**Saturday, August 21,
2021**

Meeting & Pool Party

**Thanks so much to
Scott Crawford's
parents, Judy & Jim
McNeil for letting us
use their home & pool
for our August meeting.
Thanks so much for all
the delicious barbecue,
burgers & hot dogs!**



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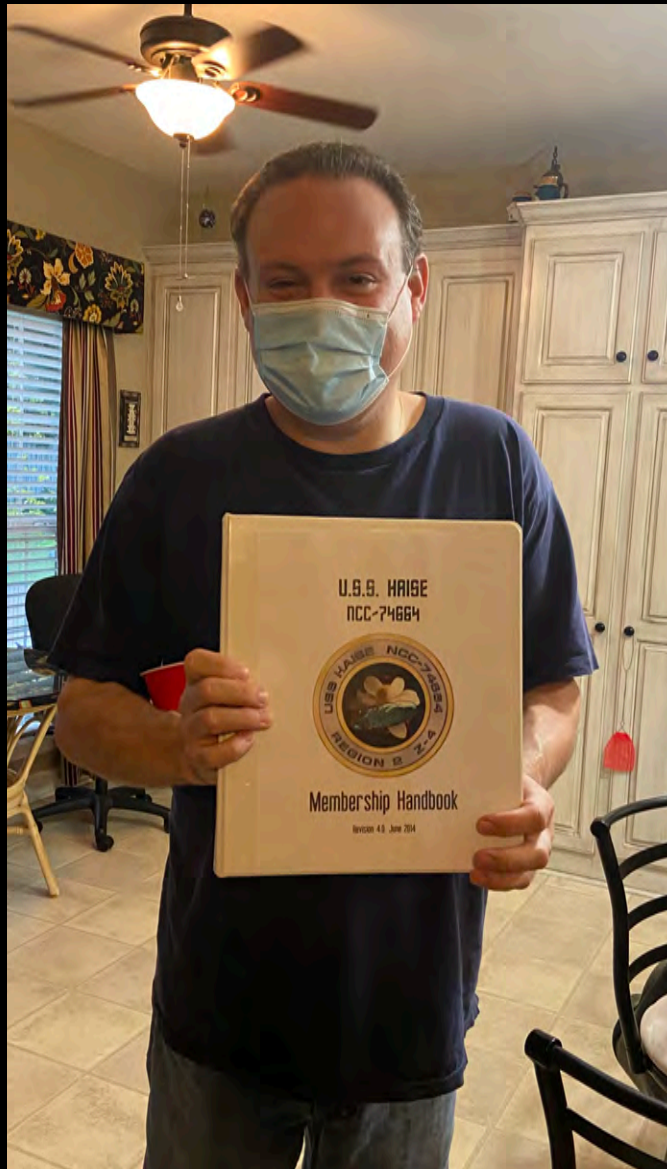
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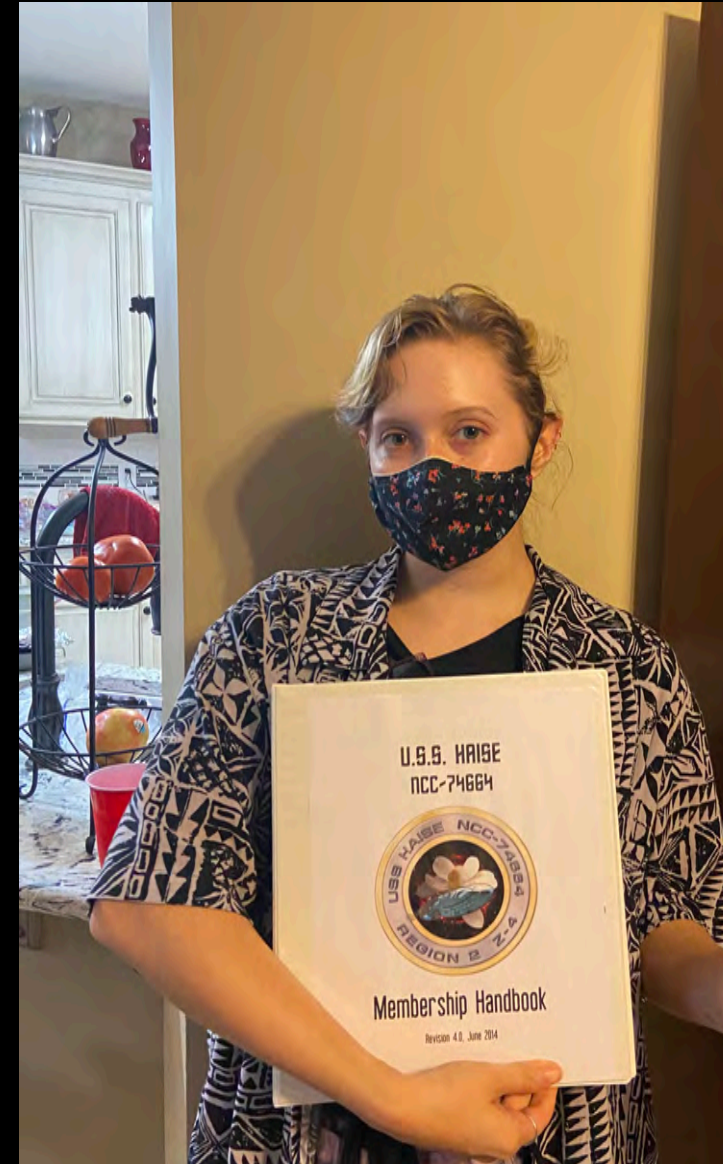
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New Members

A very special welcome to our new members—David (pictured left) and Breanna (pictured right).

We are so happy to have you on the USS Haise Crew!



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September 18, 2021
Meeting at Castlen's House
for Taco Night

We collected items for our charity Jackson Homeless Women's Outreach. Each month the JHWO distributes bags with hygiene and personal items to homeless women and children in Jackson and the surrounding areas in their signature purple bags.

Scott and Breanna are pictured to the bottom left with their door prizes.



JACKSON MS HOMELESS WOMEN'S
OUTREACH PROGRAM



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Sun Spot Hill

Image Credit & Copyright: Jordi Coy

Explanation: Is this giant orange ball about to roll down that tree-lined hill? No, because the giant orange ball is actually the Sun. Our Solar System's central star was captured rising beyond a hill on Earth twelve days ago complete with a delightfully detailed foreground. The Sun's disk showed five sunspots, quite a lot considering that during the solar minimum in solar activity of the past few years, most days showed no spots. A close look at the hill – Sierra del Cid in Perter, Spain – reveals not only silhouetted pine trees, but silhouetted people – by coincidence three brothers of the photographer. The trees and brothers were about 3.5-kilometers away during the morning of the well-planned, single-exposure image. A dark filter muted the usually brilliant Sun and brought up great detail on the lower sunspots. Within a few minutes, the Sun rose far above the hill, while within a week, the sunspots rotated around the Sun, out of view. The captured scene, however, is now frozen in time for all to enjoy.

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Explanation: How did a round star create this square nebula? No one is quite sure. The round star, known as MWC 922 and possibly part of a multiple star system, appears at the center of the Red Square Nebula. The featured image combines infrared exposures from the Hale Telescope on Mt. Palomar in California, and the Keck-2 Telescope on Mauna Kea in Hawaii. A leading progenitor hypothesis for the square nebula is that the central star or stars somehow expelled cones of gas during a late developmental stage. For MWC 922, these cones happen to incorporate nearly right angles and be visible from the sides. Supporting evidence for the cone hypothesis includes radial spokes in the image that might run along the cone walls. Researchers speculate that the cones viewed from another angle would appear similar to the gigantic rings of supernova 1987A, possibly indicating that a star in MWC 922 might one day itself explode in a similar supernova.



The Red Square Nebula
Image Credit & Copyright: Peter Tuthill (Sydney U.)
& James Lloyd (Cornell U.)

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A giant comet from the outskirts of our Solar System has been discovered in 6 years of data from the Dark Energy Survey. Comet Bernardinelli-Bernstein is estimated to be about 1000 times more massive than a typical comet, making it arguably the largest comet discovered in modern times. It has an extremely elongated orbit, journeying inward from the distant Oort Cloud over millions of years. It is the most distant comet to be discovered on its incoming path, giving us years to watch it evolve as it approaches the Sun, though it's not predicted to become a naked-eye spectacle. Picture and information source: <https://noirlab.edu/public/news/noirlab2119/>

A special thank you to Scott Crawford for all the event pictures in this edition.

Message from XO - Captain Joe Keenan

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William Shatner Space Bound!

One thing I love about Star Trek is the Utopian society that is predicted for the future. Gone are the earthly wars, general societal greed and a betterment for the future. Instead of turning into a battleship, the Enterprise is primarily a starship dedicated to "going where no one has gone before." Well William Shatner, our own Captain Kirk, is getting ready to do just that. By the time this is published, he will have made a historic flight by being the oldest human being to travel in space. "Risk is our business," James T. Kirk once said. "That's what this starship is all about. That's why we're aboard her."

More than a half-century later, the performer who breathed life into the fabled Enterprise captain is, at age 90, making that kind of risk his own business and heading toward the stars under dramatically different circumstances than his fictional counterpart. And in doing so, William Shatner is causing worlds to collide, or at least permitting parallel universes to coexist — the utopian spacefaring vision of "Star Trek" and the evolving, increasingly commercial spot that "space" holds in the American psyche.

When Shatner boards Jeff Bezos' Blue Origin NS-18 in Texas at around dawn Wednesday, his one small step into the craft creates one of the ultimate crossover stories of our era...

"The whole ethos of `Star Trek' showed people who were different-looking, with different skills, working together. We are in the opening moments of something like that," says Richard B. Cooper, vice president of the Space Foundation, a nonprofit that advocates for the global space industry. "People can look at this environment and say, `Hey — I belong there, too.'"

Safe travels William Shatner and keep pioneering to be a "Wagon wheel for the stars!"

Ref: <https://apnews.com/article/shatner-blue-origin-2f300ec9fc37e5625d56bbc6de3f42b7>



Message from Chief of Operations - Lt. Commander Clay Bartunek

19-998210



July:

Well, Craig left for Virginia on July 17th for about a month and a half to take care of his sick mom. This was the same night we had our July meeting known as "Waffle Night" at Bethany's where we had a host of new first time guests. How awesome! Our ComiCon table last quarter paid off. I hope you all keep coming back. We love having you all as part of our ship!

August:

Our August meeting was at the McNeil's with swimming and a cookout. It was great to see Ethan again, and this time his younger brother, Bud joined us. After watching our episode of "Picard", I heard Bud say, "that was pretty good." He has never seen Star Trek. Maybe we could assimilate him.

September:

Our September meeting was held at Castlen Rogers' home with a "Taco Bar" theme. Ethan and Bud show up again along with Ethan's best friend, Dustin (he's the one who has the video of the UFO experience we had on May 29th). Here we took up donations for the Women's Homeless Outreach organization. Thank you to all who donated to our philanthropy project this month! I overheard these 3 young guys say as they were leaving our meeting, "so, when's the next Haise meeting?" Hmm.

This month I'm also, celebrating paying off my Honda Fit shuttle craft. Now I have car fever - boiling it down to either a Honda Civic Type R Special Edition (insert photo) or a Ford Mustang. Reality says: enjoy at least several months of No Car Payments. Or how about a Slingshot?

Stay safe shipmates.
Clay Bartunek, LT CMDR
Chief of Operations

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Message from Chief of Engineering - Lieutenant Commander Jason Young

No Report

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12 Star Trek Gadgets That Now Exist BY JOHN BRANDON

1. Food Replicator

Today's 3D printers don't tackle tea, but there are machines that actually can print food. And other printers, like the MakerBot Replicator 2 are quite adept at making small objects.

2. Universal Translator

In several episodes, we marveled at the universal translator, which decoded what aliens said in real-time. Now, there's an app for that. Voice Translator by TalirApps understands 71 languages (no Klingon yet, though). You speak in your native tongue and the app translates your phrase into another language.

3. Tablet Computers

4. Tricorder

In the TV show, a tricorder is a handheld device that scans for geological, biological, and meteorological anomalies. Handy! In 2012, Peter Jansen from McMaster University in Ontario built a working prototype that scans for magnetic fields and other interference.

5. Holodeck

On Star Trek: The Next Generation, you could walk into a chamber onboard the Enterprise and visit your home planet for a quick barbecue, or even have an affair with a hologram. Leave it to a bunch of University of Southern California students to make virtual reality a little more down-to-Earth—Project Holodeck used virtual reality goggles to create a fictional world.

6. Communicator Badge

A California start-up called Vocera has created a similar device you pin to your shirt. They're used mostly in hospitals to avoid having constant overhead pages.

7. Tractor Beam

Two New York University professors are making it so. Their experiment, which uses a light beam to control tiny microscopic particles, is not going to be deployed on the next NASA mission, but shows we're making progress.



Message from Chief of Security - Rear Admiral John Yelverton

BC'F9DCFH

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12 Star Trek Gadgets That Now Exist continued...

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8. Natural Language Queries

These days, we've got Apple's Siri and Google Now, and while they aren't fully developed systems yet, they are baby steps toward a service like Star Trek's computer, which has a complex understanding of context. Google even codenamed their voice-based service "Majel," in honor of Barrett-Roddenberry.

9. Warp Drive

No one in Star Trek ever sits down and explains how a warp drive works in detail, but we know it has something to do with bending space and traveling faster than the speed of light. Doesn't seem possible, but NASA has suggested that a warp drive is possible.

10. Phaser

Captain Kirk was pretty handy with a phaser, and he didn't always set his to stun. Ironically, we've been using something similar since the first Iraq War. Known as a dazzler, the directed-energy weapon sends a pulse of electromagnetic radiation to stop someone cold in their tracks.

11. Teleportation

To get from place to place, Captain Kirk and company didn't need an airplane—they didn't even need a space elevator. Instead, they teleported using the U.S.S. Enterprise's transporter (a scenario we all dream about while standing in line at airport security). We've already done some teleportation—specifically, of photons and atoms. These particles don't disappear and reappear, though. According to Forbes, "the information contained in the photon's quantum state is transmitted from one photon to another through quantum entanglement – without actually travelling the intervening distance."

12. Hypospray

In the world of Star Trek, there's no need for needles (and thus no trypanophobia)—Bones administered medicine through the skin using painless jet-injected hypospray. Recently, MIT created a similar device that, according to Geek.com, "delivers a drug through the skin at speeds of up to 340 meters per second and in under a millisecond. The amount of drug can be varied, as can how deep it is injected."



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Message from Chief Science Officer - Fleet Captain Scott M. Crawford

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Well, July started with more flooding. This was on the heels of a flood in April.

July



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But, there were also some days that included the opportunity to have some "cute and cuddly" time with Maggie whose normal operational mode can waver between independence and "Chupacabra Kitty."

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Message from Chief Science Officer - Fleet Captain Scott M. Crawford - Cont'd

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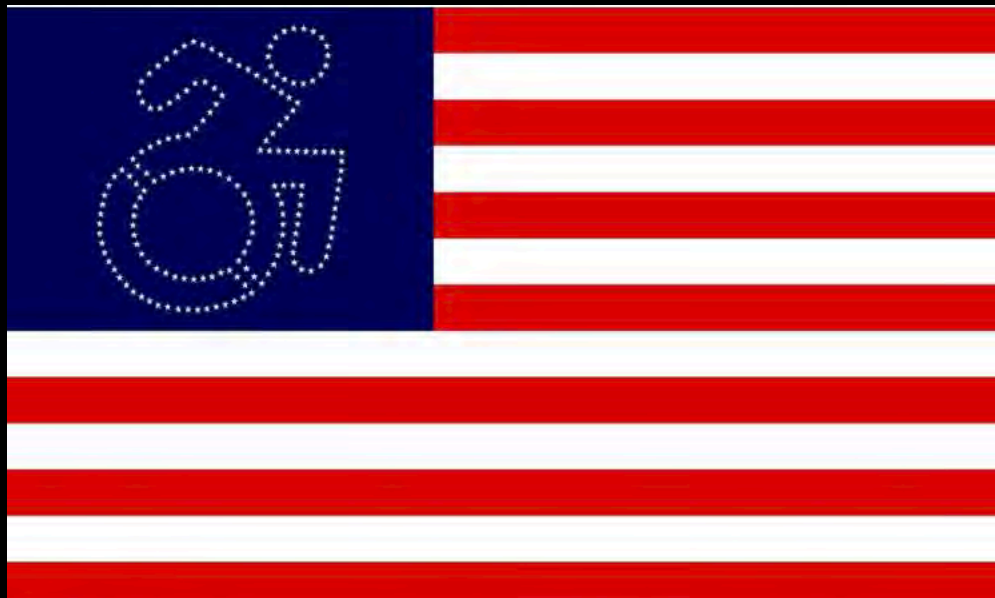


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I went to McClain's Safari with family from Massachusetts on July 15. Ayeden and Kora joined those of us here; they are 2nd cousins

July 26, 2021 also marked the 31st Anniversary of the Americans with Disabilities Act signed by George H. W. Bush on July 26, 1990. ADA protects all of us, because you are either born with a disability or likely to acquire one sometime in your life, or have a close friend or loved one who is affected.



Message from Chief Science Officer - Fleet Captain Scott M. Crawford - Cont'd

SCIENCE NEWS, DART

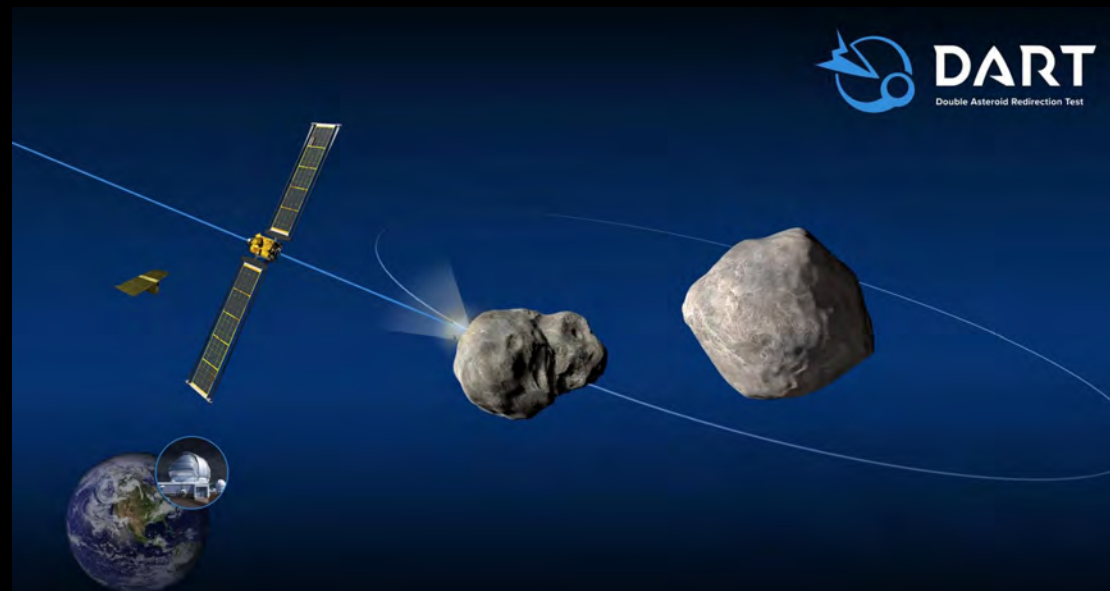
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The Double Asteroid REDirection Test (DART) mission is a planetary defense-driven test of technologies for preventing an impact of Earth by a hazardous asteroid. DART will be the first demonstration of an asteroid in space. Launch is due to happen this November via a SPACE X Booster.

For more on this go to:

<https://www.nasa.gov/planetarydefense/dart>

In addition to exciting things happening in space with DART, September also brought a change in my house here on Earth. The cute Tuxedo kitty that had been living in my crawl space was displaced by a raccoon. The kitty began coming to the pet door, and had even ventured inside when Maggie was not there to chase her away.

After some patient waiting, I was able to very gently coax the kitty into a comfy kitty carrier to take her to the vet for a check up. Once back home, she even let me pet her.



KITTY DRAMA

Maggie was NOT pleased with me...I tried to be sweet with her, and she's Oh-So-Jealous! I began "delicate negotiations" by getting them introduced to each others' smells. Slowly, the gap between them began to close.

The new kitty's name is Misty, The Double Stuff (Oreo), descended from a long line of proud cougars.

Message from Chief Science Officer - Fleet Captain Scott M. Crawford - Cont'd



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Patience paid off. By the end of September, they were sharing spaces and even eating together!

Message from Chief Medical Officer - Lt. Commander Ann Case



19-998210



These past few months have been very fun! It has been so nice being able to get back together in person and add new faces to the crew! Getting back into the swing of school and Kahlan going to school has been an adventure!

She is loving school though and that is wonderful! But with the school year starting and all the exhaustion of covid, we decided to take a vacation! So for the last week of September and first couple of days of October, we as a family got to go back to Disney!!! We went down for

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Message from Chief Medical Officer - Lt. Commander Ann Case cont'd

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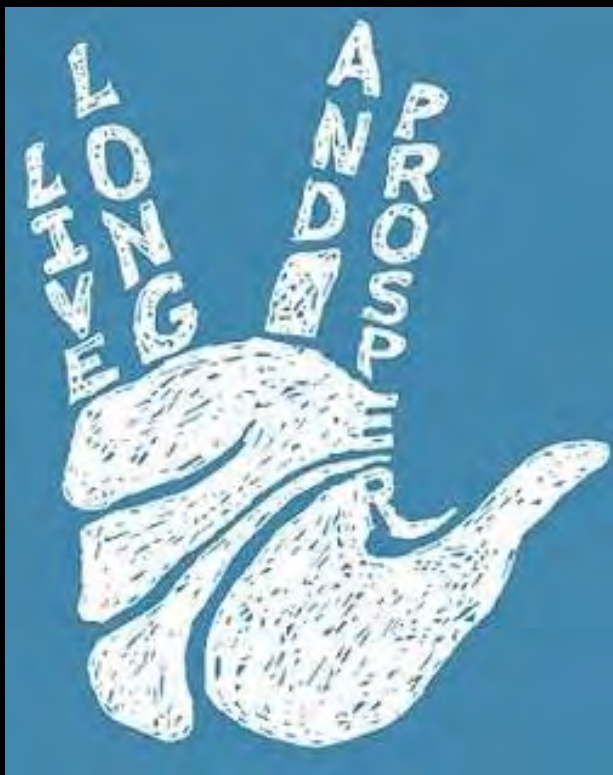
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OCTOBER

- 3 - Clarence Winter
- 14 - Castlen King Rogers
- 30 - Joe Keenan
- 31 - Evan Theilman



NOVEMBER

- 14 - Fred Haise
- 14 - Joel Kelly



DECEMBER

- 6 - Robin Helverton
- 8 - Scott Crawford
- 21 - Chase Hamilton



31-150876

USS HAISE CALENDAR OF EVENTS 2021**Note: Locations, Dates, & Times are Subject to Change***Monthly Meetings/Events for 2021 - Monthly Meetings are at 6:30 pm*

Please continue your understanding on changing dates and times due to the COVID-19 and any restrictions that may be put in place at the time of our meetings.

31-942782

October 16 Masquerade at Ryan and Ann's with potluck

November 20 Anti-turkey Pizza Party at John's. Bring donations for Toys for Tots

December 18 Clay's Christmas Party with Dirty Santa & potluck

32-035749

33-630157

THE HOLIDAY SEASON IS HERE, AND WE HAVE LOTS OF CHANCES TO CELEBRATE AND TO GIVE.

BRING TOYS FOR TOTS IN NOVEMBER SO THAT WE CAN MAKE SURE OUR AREA CHILDREN HAVE A VERY MERRY CHRISTMAS!

33-741058

OUR CHRISTMAS PARTY IS POTLUCK, SO THINK ABOUT YOUR FAVORITE HOLIDAY DISHES AND LOOK FOR THE SIGN UP. ALSO, PLEASE BRING A "DIRTY SANTA" GIFT FOR EACH MEMBER WHO WISHES TO PARTICIPATE IN THE ACTIVITY.