



THE ENGINEERING LINK

"Engineers are Warped"

SD: 202207.01



NCC-1793 SFI * REGION 01 * USS HEIMDAL NCC-1793 * ENGINEERING DEPARTMENT NEWSLETTER



**From the console of the Chief Engineer
Capt. Darrell W. Millner**

As always "Welcome" crew, Engineers, and STARFLEET engineering enthusiast to another exciting and hopefully inspiring issue of the Heimdal's Department of Engineering Newsletter - The Engineering Link. I am your host, CEO Millner, and no you did not stumble into temporal mechanics by mistake - you are really here, or will be.

August will be a busy month for many of us. Highlights you should all be aware of - 2022 SFI-VIC, R1 Summit, Heimdal's Annual Charity Auction, and more (See page 5 for links). *A little planning can go a long way folks.* SFI-VIC will have some amazing guest & discussions, R1 Summit means we finally get to be in the same space and connect in a positive manner with our fellow Region One colleagues, and the Heimdal Auction - "I can NOT highlight this enough" is the bread and butter to support our numerous charities and especially sending a local student to SPACE CAMP [spacecamp.com] at the U.S. Space & Rocket Center in Huntsville, Alabama.

What's going on with Heimdal Engineering - our Departmental Zoom sessions are going well, normally the 3rd Monday each month, our members log in from all over and it keeps us in sync. Our department also does what it can to keep things going in these crazy times. Though we are not "Communications" as a department we generally host the video connection for the Heimdal's monthly meeting bringing together the in person group and those of us remotely, also we have over the past year hosted the "Interdepartmental Role Play - A story saga" as seen in the Rainbow Connection newsletter. Our team is developing several projects that have been on the "back burner" so to speak, plus I hope to share some important updates in July for our departments plans moving forward.

Seeking Assistance: I'm looking for help modifying some "logo and graphic files", simple for the right person, cumbersome for me lol. Please reach out to me if you are or know of the skilled person, my email is on the last page and I am reachable on Discord and FB. Thanks

Finally, and as always, this newsletter, department, vessel become the success it is based on the participation and support of this stellar Engineering team and our adopted members (Kathy, Jonathan, Robert, wink wink), without them I would be *Milton* from the movie Office Space



mumbling to myself in the basement something about "what if I remove this isolinear chip - he he"
CREW - YOU ROCK

Capt. Darrell Millner, CEO
USS Heimdal - R1 -Delta-Sector
R1 Officer of the Year 2021



He'll keep hailing me..
He'll keep hailing me until I beam over
He'll make me feel guilty..
ok I'll go, I'll go, I'll go, I'll go, I'll go.

Don't worry,
It will all be installed Tuesday
"FRYE, FRYE, FRYE..."

STARFLEET BY THE NUMBERS

As of SD 202206.25

STARFLEET

- Members, Chapters

REGION 01

- 1129 Members, 49 Chapters

USS HEIMDAL

- 64

HEIMDAL ENGINEERING

- 09



Online Resources

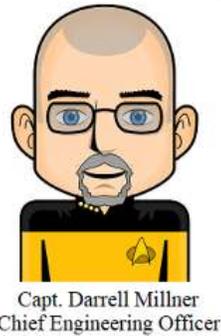
The Engineering Link
trek.millnet.com/eng-link/

Heimdal's Home Page
ussheimdal.com

Region One
R1.SFI.org

STARFLEET International
SFI.org

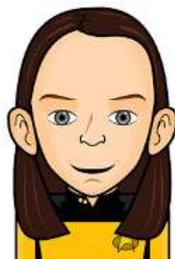
Awarded 2021 Region 01 "Communications Excellence" Best Departmental Newsletter



Cmdr. Dennis Henderson
Sr. Engineering Officer
Shuttle Bay Officer
Matter/Anti-matter Specialist



Capt. Lem Campbell
Sr. Engineering Officer
Flight Deck Officer
Transporter Chief



Lt. Cmdr. Larry Rowland
Sr. Engineering Officer
Shuttlecraft Pilot
Transporter Specialist



Ens. Larry Whately
Duty Engineering
Quartermaster



PO3 Gary Burley
Maintenance Engineer
Ship Fitter



Lt. Cmdr. Zak Lyon
Helm Officer
Technology Specialist



ENS. Jody Lyon
Dilithium Maintenance
Recreation Officer



Lt. "Bud" Walker
Navigator



ARE YOU READY?
YOU ?

Heimdall Engineering
SD:202205.01

~ A "SAMPLE" OF FICTIONAL DUTY POSITIONS HERE IN ENGINEERING ** Updates In Process ~

- Chief Engineer** - Heads department. Oversees running of all engineering systems and divisions. Accountable for the overall performance of the vessel. (A Miracle Worker).
- Assistant Chief Engineer** - Primary assistant or backup to the chief engineer. In situations when the chief engineer is away from the engine room, the assistant chief engineer is responsible/in charge.
- Shuttle Bay Officer - (SBO)** Coordinates with Operations manager on Main Bridge for shuttle launch and landing clearance. Directly oversees FDO's.
- Helm Officer** - Responsible for ship's maneuverability & sometimes weapons control.
- Navigator** - Plot the ship's course; responsible for safely getting the ship from point A to point B.
- Transporter Chief** - Oversees the operation of ship's transporters.
- Transporter Specialist** - Maintain & operate the transporters. Work with the Transporter Chief.
- Duty Engineer** - Engineering officer acting as the duty officer when the chief or assistant chief engineer is off-duty.
- Engineering Specialist** - All-purpose engineers. Environmental controls, replicators, holodecks, and more.
- Flight Deck Officer** - (FDO) Responsible for all operations within their particular shuttle bay (3), reports directly to SBO for launch and landing clearance. Primary station - Operations Control Booth.
- Shuttlecraft Pilots** - Pilot shuttlecraft on missions that require use of shuttlecraft.
- Technology Specialist** - Experts with all machines & technological contrivances.
- Matter / Anti-matter Specialist** - Monitor the intermix process.
- Dilithium Crystal Specialist** - Responsible for monitoring the dilithium crystal converter assembly.
- Damage Control Specialist** - Evaluate & control the amount of damage a starship sustains to the best of their abilities. Also effect ship's repairs.
- Deflector Systems Specialist** - Monitor & provide data on the ship's deflectors / shields.
- Quartermaster** - Assign quarters, handle equipment & supplies & the distribution of same.
- Maintenance Engineer** - Specializes in repairing damaged systems.
- Ship Fitter** - Fabricate, assemble, and build structural parts of/for the ship.
- Recreation Officer** - Activities director. Maintains morale. Maintains the Recreation Deck. Coordinates off duty crew activities.

Engineering Reports



3

SD: 202206.23 – Monthly Engineering Report – Lt. Cmdr. Zak Lyon

Doing my best to deal with the temperature extremes lately. Should be back to normal after we drop off the Begley farming colony on Nader V. Relocating the colony due to the impending meteor collision *was* an emergency. I am relieved that they were saved. But, as a practical matter, it continues to be a strain on the AP3-86 atmospheric processor units. This equipment is top of the line, but it wasn't built to clean the foul air generated by all the animals on shuttle decks, rec areas, and even smaller animals in the colonists' quarters. Housing the livestock also resulted in a rise of temperature which further impacted the efficiency of the filtering and temp control systems. Which then allowed the odor to linger and the temperature to rise.

Those AP units were giving all they had when someone in the Veterinarian Dept recommended that crew allow their dogs to cool off by swimming in cool water. Now wet dog infused air is circulating throughout a galaxy class starship along with the, well, farm adjacent smells. An occasional dog well, okay. But a lot of crew members have dogs. Maybe they should form their own fleet.

And sir, I advise you not to go onto deck 16. Geese, sir. Geese parading up and down the hallways.

We've got the AP3-86 units jury-rigged for now, but they are delicate. And this leads me to a heartfelt plea. Get the word out for everyone to please be careful around these units. Especially the big one in back. It the only thing helping us get that "musty" smell out of the air. It is an older AP350 unit, but I know they work. I had a great uncle on my mother's side who worked at the Crest Brook Mine on Titan when the mine collapsed. Even though they got him out alright, they say there were even some miner lung problems, they said he wouldn't have lived if it wasn't for the AP350s deployed. They were lowered into the site and kept the air clean and comfortable. The reason I know all of this? My uncle is the one in that famous picture shaking hands with Zigwel Orgon, the inventor of the AP350.

Here I go again giving you too much of a history lesson. But they are important.

I may not get to much else this week but keeping the units going until we drop off the colonists. Then it is all hands on-deck!



Lt. Cmdr. Zak Lyon
USS Heimdal NCC-1793
Engineering Dept

SD: 202206.22 – Monthly Engineering Report – Captain Darrell Millner

Computer – begin recording.... "spent the morning assisting Capt. Campbell in the sensor maintenance room on deck 38 due to some recent irregularities with the port lateral sensor array. Normally we would have both delegated this, but until we complete this mission to Nader V Engineering is stretched thin keeping up with the needs of our quest. It will take a while to get use to taking the turbo lift past 16 and hearing wildlife. Zeus only knows how Zak's team will handle that clean up. However, according to the readings from the Optical Data Network (ODN) there is a variation that shows significant pressure differences on the port side that don't match specs. At Campbell's lead we completed multiple diagnostics – but to no avail. This does not have a immediate impact on operations and so I've alerted XO Smith to the situation, our thought process is that once we are in orbit around Nader V our team will take worker bees out to get a first hand view and search for any anomalies". ... pause recording ... begin again "on a personal note, I will be starting a new combination diet, physical fitness regiment and weapons re certification with RADM Davis's Beta Team. Apparently not only am I due for certification but my "scones" & raktajino habit is taking it's toll. I know that Comm White is right, but oh to be put through the wringer and no scones for a while that's just..." Computer pause, remove last entry....

Now, where's that PADD. Promotion review panel will be coming up soon in addition to crew rotation when we arrive back at Starbase Earhart. My crew is already pushed to the limits as it is, and most perform at the highest levels one would come to expect from STARFLEET Officers. This is gonna be a tough session.



Capt. D. Millner
USS Heimdal NCC-1793
Chief Engineer



SD: 202206.25 – Monthly Engineering Report – Ensign Jody Lyon

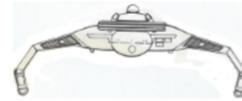
I appreciate your approval of my latest project. I will attend to it on my off-duty time. As we discussed, after my involvement as Rec Officer in the recent First Contact Day celebration I found that much of the food prepared by our crew does not have quite the “punch” of a good Bajoran meal. Mind you, the food was tasty and met the palate of the majority of the crew. I don’t have the facilities and ingredients to prepare the spicy food I prefer so I turned to the replicators. I found that although the programmer sincerely attempted to meet the needs of the typical Bajoran, it just didn’t satisfy. I spoke with Lt. Gates who is a wizard with the replicator programming and we designed and implemented a new subset of ingredients and culinary choices for crewmembers who might desire to try an ethnic meal out of curiosity [we did post warnings], those who know they have a hearty toleration/enjoyment of five alarm aftertaste, and of course any Bajorans – guests, crew and dignitaries.

I’d like to report it was a success. Ensign Vafel Sog from Medical agreed to help me test the concoctions. His Bolian constitution assured that he could handle anything. But let me say that he did call me brave to eat such “fire” after he tasted my spiced-up Hasperat. He said that he had tried all 24 varieties sold at Quark’s Bar on DS9 and my version was the hottest. Success. Jalanda Midnight Ale is a wonderful drink that up until recently was restricted to “natural-only” by the provisional government. So glad I was finally able to get this into the replication program! I understand that Quark’s Bar is still required to buy it by the keg. I also got a very close replicated Alva fruit. I had eaten a lot of it – dried - during the occupation. Easy to store and transport but my favorite is the Alva nut tea – cold. Vafel told me that he has some in his med pack for emergencies because it is a great way to ward off infection until he can get a patient back to Sick Bay. I also through in a couple of Cardasian dishes that Bajorans came to love. Thought it might be a nice addition. I do think that all the crew will enjoy Larish Pie as much as the Bajorans. It is a delicacy and great with a cup of Raktajino. And thank the Cardasians for that one.

Looking forward to my next rotation.



Ensign Jody Lyon
USS Heimdal NCC-1793
Engineering Dept



SD: 202206.27 – Monthly Engineering Report – LCDR Bud Walker

I have had to delay beginning my studies of Flight Operations and Bridge Operations for the moment. In my interactions with the rest of the crew, it has become very apparent that the historical differences between my old universe and this one is much greater than I anticipated. I was with some crewmates in ten forward, just chatting and relaxing, when I made a casual reference to the “Richard Nixon regicide incident.” The quizzical look on everyone’s faces quickly told me that this historical event had never happened in this universe. I was able to cover my tracks with some quick banter about fictional works on alternative history, and fortunately the conversation moved onto other topics.

This episode showed me that I need to get smart on this universe’s history and culture, so as not to reveal my background. For that reason, I took four courses in the College of United States History and a course on the Basics of Parallel Universes. I plan on continuing courses in both the fields of history and parallel studies so that I can better acclimate to my new home.

I have not neglected my shipboard duties despite all my academic activity. LCDR Zak Lyon introduced me to LT Vinaya in Stellar Cartography. She has been “schooling” me [pun intended] in this field and is a very good teacher. Once she feels that I have learned enough star mapping, I will begin my training on Flight Operations. As much as I have enjoyed all the different things I have been studying since my transfer to Engineering, I am anxious to be assigned to the Bridge.

I have had little down time given my heavy schedule. I continue to be cautious in my social interactions, but I grow increasingly comfortable in my new home. I hope the good feelings continue.



Lt. Bud Walker
USS Heimdal NCC-1793
Engineering Dept.



Cmdr. Dennis Henderson
Sr. Engineering Officer
Shuttle Bay Officer
Matter/Anti-matter Specialist

Chief Engineering Officers of the USS Heimdal

Proving once again - "Engineers are Warped"



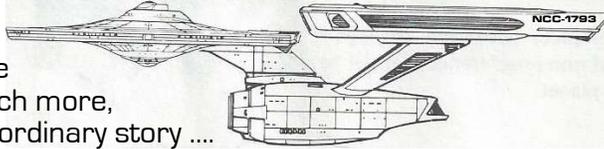
In the beginning there was "Dennis"

Allow me to launch the tale, it begins before, but we shall begin here

Back in the early days of May 1984, a young Ensign made his way through the main shuttle bay of the USS Jamestown NCC-1843 and boarded the shuttle Shuttle Craft ASGARD NCC-1843/1. Freshly out of the academy, and not wanting to question, he must have been thinking – nearly 20 members of STARFLEET on one shuttle craft, what are they thinking – oh if he only knew then what was ahead. In a short time the group had gone from "three members and a plate of cookies" to nearly 30. Ens. Dennis Henderson went from "wow – nice craft" to "Wait – I'm the only Engineer and Chief of me?" Once underway, Lt. Henderson found himself in short order with three fresh recruits : Cdt.Lt. D. Millner, Cdt.Lt. M. Augustat, and Cdt.Lt. John Carr, thus our Engineering team began.

Warping forward it's 1985 – the crew of the Asgard land in the shuttlebay of the newly commissioned USS Heimdal NCC-1793, a Constitution Class* (refit) right out of the Utopia Planitia Fleet Yards. What an amazing time it was. From mishaps to miracles, with Dennis's keen leadership and example we became a driving force in the lore of the Heimdal. From car washes to movie premiers, from RoVaCons to recruiting events, Klingons to Colonial Vipers, the adventures continued.

By Fall of 1986 with a crew of 12 plus himself at the Engineering console things were moving along at a great click. So much so, Dennis had several personal life changes and in the Spring of 87 took a leave of absence in order to focus on his home front. A pattern you *may* notice with some of us as the years proceeded. He continued his role as a strong influence on the Heimdal and STARFLEET from a distance. Handing over the reigns and thus began Cmdr. Millner's *first tour* as Chief Engineer



* More about "class" in a later article

Dennis would go on to become
R1 RDC - Engineering and much more,
But that, that is another extraordinary story



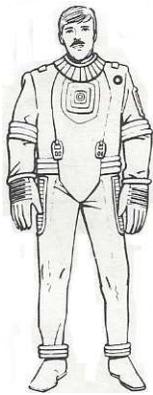
SFI & Region 01 - Updates

Updates from the latest R1Status report for June 2022.

Full version available via FB: Region One or your Department Chief can provide.

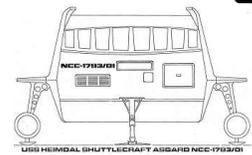
- Latest version of SFA - Academy Course Catalog has been released academy.sfi.org
- Welcome the newest chapter in R1 - USS Explorer (NX-7121) – Lewisburg, TN
- STARFLEET INTERNATIONAL Conference 2022 will be virtual. See the guest line up and details via ic.sfi.org the event will be held 12 & 13 AUG 2022. Promo video is available via Youtube www.youtube.com/watch?v=CqgFvRrktYk
- Reminder, R1.SFI.org holds a wealth of information no matter where you are in the region.
- Heimdal Engineers are encouraged to access their member eligibility file at SFI.org and forward a copy (cut and paste or use printable option) to your Chief Engineer to assist in keeping your departmental information up to date. This helps with Engineering Link postings, regarding STARFLEET Academy, Awards, and Renewal information.

Remember " We Are One Big Happy Fleet!" - Khan



STARFLEET

EDUCATIONAL SERVICES



Heimdal Engineers at Starfleet Academy

2022 June Graduate(s)

LCDR William "Bud" Walker

CoPS - 100 - IOSTS - Basics of Parallel Universes - Distinction- 11 June 2022

Let's Talk Discord

What is Discord? Self described "Discord is a VoIP and instant messaging social platform. Users have the ability to communicate with voice calls, video calls, text messaging, media and files in private chats or as part of communities called "servers". A server is a collection of persistent chat rooms and voice channels which can be accessed via invite link."

Meaning? OK, Originally (and still) popular with online gamers, ongoing public and private conversations, sharing of files and images, live chats, and the *ability* (should you wish) to listen and talk in live chat areas while being able to continue to work and play like a conference call. This is an app for your desktop or phone. Region One has adapted this as a primary communications tool, in conjunction with other servers. The three current primaries are *STARFLEET International, *R1 Gaming, & Region 1 RC Office. These groups are by invitation only (reach out to your Department Head, XO or CO for links).

For me, the departmental and subject matter break down is very helpful, I get to see outside of our bubble & interact with other like minded SF individuals. Also I see it as less baggage than Facebook or Websites. It's about that personal preference & exchange. Remember R1 offers Facebook, R1.SFI.org & Discord. - Millner

Survey Question 202207

Question : What resource is lacking to help YOU on your STARFLEET journey?

Is there a publication, online resource, or other that you have thought

"I'm really surprised I have not seen or heard of ___ to help me as an Engineer - or as a SFI member"

Email your answer to trek1793@millnernet.com ATTN: Eng Link

Last Months Survey Replies (May)

"Of the numerous Star Trek inspired franchises - Rank YOUR top 3 favorites"

Great replies

- Bud: ST-TOS: The Original Series - Remastered, ST-TNG: The Next Generation, ST-DS9: Deep Space 9
- Darrell: ST-ENT: Enterprise, ST-VOY: Voyager, ST-DIS: Discovery
- Jody: ST-TOS: The Original Series, ST-DS9: Deep Space 9, ST-SNW: Strange New Worlds
- Larry & Kathy: ST: The Original Series, ST-ENT: Enterprise, ST-SNW: Strange New Worlds
- Zak: ST-TOS: The Original Series, ST-TNG: The Next Generation, ST-PRO: Prodigy



Heimdal Monthly Engineering Zoom

SD: 202207.18 ED: **July 18, 2022** 7:00 pm eastern

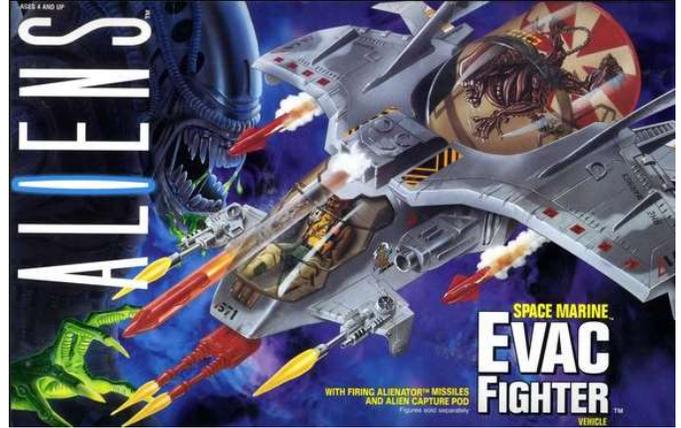
Come join your Engineering team in a lively discussion about everything from Strange New Worlds, Prodigy, SFA, Reports, Stories, Tools, Gardening, Weather and more. It's lots of things, but boring IS NOT ONE OF THEM.

Digitally - Face to Face - you may be surprised at how much fun it can be.

*** Zoom coordinates will be emailed prior to event ***
If you have scheduling or technical challenges, reach out!!

ST : The Next Generation / ST: Generations and "Matthew's Christmas Present

. This one made me smile and cringe at the same time. During the Nexis Christmas scene Picard's "son" is opening his gift, a "Space Marine's EVAC Fighter" so far so good, however the item is actually a non modified toy from the 1992 Aliens Action Figure Line by Kenner Products. YES "ALIENS". OK, so does that mean that similar to Star Wars cross over events that we have to keep an eye out for ALIENS as well??? Yikes - Notes from "Whatculture.com/star-trek" as seen on YT. What an enjoyable resource - Millner Out



STAR TREK Trivia Anyone? - In which first season episode do we see the ENTERPRISE's self-destruct system activated for the first time???

Last Months Question (ok - May's):

What was the name of Miles O'Brien's tarantula? "Christina" (from Titus IV)

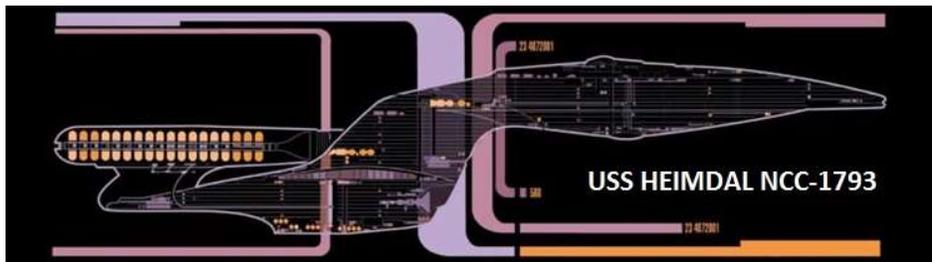


Special thanks to this months contributors
- Bud W., Jody L., Zak L., Larry & Kathy W., Darrell M.,
Please note, corrections and additions are always welcome

Footnotes: Thank you to the following very helpful online resources
- whatculture.com/topic/star-trek
- funtrivia.com/trivia
- memory-alpha.fandom.com/



Mark Artuso STM



STAR FLEET
POSTAL
SERVICE

Disclaimer: No part of this newsletter is intended as an infringement on the Star Trek copyright held by Paramount™ or any other company or entity. This is a not for profit, fan organization, that strives to embrace the ideals of Star Trek, the inspiration of the "Great Bird of the Galaxy" and have fun in the process.

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