



THE ENGINEERING LINK

"Engineers are Warped"

SD: 202206.05



NCC-1793

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

Awarded 2021 Region 01 "Communications Excellence" Best Departmental Newsletter



From the console of Chief Engineer

Capt. Darrell W. Millner

Welcome Fellow Engineers – Step in, grab a Ratajino, scone, and a seat because we have a lot to cover. May was a disconcerting month to say the least. I found myself with so many areas of focus that I felt like I was having a "Quantum Reality" moment(s) between our alternate story lines on the Interdepartmental Role Play (featured in the Heimdal's Rainbow Connection newsletter), creating histories and more for our Shuttle Bay Project, keeping abreast of activities of our Engineering Team, R1 Pathfinder Project, updates on the Discord Server – R1, and oh yes in my day to day life orchestrating "Engineering Activities" with a local Model Train Club there are days I'm not sure where I am. 14 K steps for me yesterday (a personal top 5). BTW: For those of you keeping up or who will have in the future ha ha – May 5th also celebrated the 29th anniversary of the last "Quantum Leap" TV episode. Personally, I really enjoyed the ST:Enterprise episode "Detained". Seeing Robert Dean Stockwell & Scott Stewart Bakula on screen together just blew my mind and the humor from fans was delightful.

There is a lot happening around STARFLEET and the Region. With the RC elections wrapped up, renewed focus is on the support structure and for those following R1.SFI.org many positions are open and they could really use "YOU" yes you, to consider lending a hand. Mind you, take care of your own department and vessel first – as a mentor of mine use to remark "Before you go out and take on the world, make up your own bed first! (Thanks Louie).

I don't currently subscribe to The Paramount Network™, though I will likely again soon – I'm hearing great feedback from the Engineering team, but I did get a peak at ST: Strange New Worlds via Roku/Pluto. 94.5% very very pleased with what I saw. Truly hope they can maintain, stay true to form, and give us something unique. A hard challenge for any program, especially SiFi.

Next month the Survey Questions, Trivia, and Star Trek "Did You Know" will continue in addition to "CEO's of the Heimdal" – history. In my Quantum state things got away from me a bit, and you deserve my very best, not just a punt.



Here's to a great start to the summer for all of you, enjoy the time out doors, meet and greet, and put a little "Trek" into someone's life, and your own.

Capt. Darrell Millner, CEO
USS Heimdal – R1 -Delta-Sector
R1 Officer of the Year - 2021
"It's no Tribble at all"

"You are scheduled for classwork now
– the Captains orders on this are very clear"
- Lt. Jg. Singh, Enterprise Assistant Chief Engineer

A couple of days ago,
when my math teacher asked,
"Any questions?"
I asked, "What is the meaning of life?"
She simply replied,
"The meaning of life is math."
Today, we realized that, in the alphabet
M is the 13th letter
A is the 1st letter
T is the 20th letter
And H is the 8th letter
 $13 + 1 + 20 + 8 = 42$ KP-FB

Thank you Kevin P. for that,
Now I have to wonder if D.Adams
had that in mind, or will, ha ha



STARFLEET BY THE NUMBERS

As of SD 202206.01

STARFLEET

NA - Members, Chapters

REGION 01

NA - Members, Chapters

USS HEIMDAL

- 64

HEIMDAL ENGINEERING

- 09



Online Resources

The Engineering Link

trek.millnernet.com/eng-link/

Heimdal's Home Page

<https://www.ussheimdal.com>

R1.SFI.org



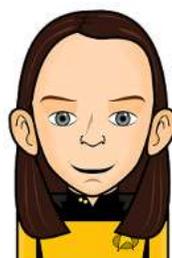
Capt. Darrell Millner
Chief Engineering Officer



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 Maintance
Recreation Officer



Lt Cmdr Bud Walker
Navigator



ARE YOU READY?

Heimdal Engineering
SD:202206.01

✓ 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.

SD: 202205.25 – Monthly Engineering Report – Lt. Cmdr. Zak Lyon

First things, first. Strange things continue to unfold on the LowGrav basketball court. I know that the shielding extending up from the rim of the hoop is supposed to make it slightly more difficult to dunk. But during the recent tournaments, it seemed to be draining too much from shields used in some of the more essential systems. These systems are not supposed to be connected. And Campbell assured me that it was not that way when he set it up.

I originally spent a lot of time with Cmdr Hudson, League Organizer, security, the recreation officer, and medical whose idea the court was in the first place. It seems during the last round of physicals, many crew had been too sedentary, even with the excellent workout facilities we have. The rec officer I spoke to felt that if a little competition was involved, crew may be more inclined to exercise. The League has been quite successful so more challenging facets were recently added to the game. Engineering was called in when the shields were constantly fluctuating game play. What should have been easy and mildly challenging shots were now impossible shots as the shields were covering the whole hoop!

I sent a team to deal with it and joined them after my shift at con. All was operational within normal parameters and I headed for my quarters determined to figure out what had caused the malfunction. It was a slow day. Long warp. I had been modeling some new routines for evasive maneuvers. If I come up with one I like, maybe I'll have the guts to name it after myself like they did in the old days. In general, this month continues to be routine with no surprises.



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

SD: 202205.28 – Monthly Engineering Report – PO3 Jody Lyon

This month has been interesting. Getting more efficient conducting routine diagnostics on a variety of systems and enjoying a sense of accomplishment each evening as I learn more and more about ships operations. Those times you have advised me and pushed me have paid off.

I was asked to consult on Medical's "basketball initiative." I researched the unfamiliar game and found that it was similar to a Bajoran game used as a team building exercise at the Bajoran Military Academy prior to the Occupation. During the occupation the game spread through the camps and became a popular diversion. Our engineering team created a practical court with a goal device that could be set for various levels of challenge.

Initially the crew played "picked up style" with no commitment or organized teams. This was not successful in terms of Medical Dept goals. Cmdr. Hudson was then tasked with creating a league of sorts which included actual referees and a schedule. This resulted in more participation, more teams, and more exercise. When we noticed that off duty crew was showing up to observe the game play, Hudson decided that a tournament would possible if we worked at it. Teams created names and identifying colors. More teams were added when the word got out. As you are aware, it was deemed a very successful initiative. The players quickly mastered the court. Antigrav elements were added and the hoop was further modified for difficulty. New rules were developed and agreed upon. The tournament was a go.

This month it came down to the Astrometrics Big Bang against the Life Sciences Adaptation. You may have been informed of the malfunction of the court causing delays in games and disappointment of the "fans." I must confess that in my efforts to increase competition and therefore, participation, I may have gone overboard in creating adjustable challenge levels rather than to keep it at a simple game — and then suggested wagers. This was always a fun component on Bajor. The players liked the added incentive and took it in a lighthearted manner. Well, I think it was the wagering that resulted in Campbell needing to be called in to make repairs on two occasions, souring the tournament and over-tasking Engineering staff. It was finally determined that the maladjustments were actually adjustments by overzealous fans trying the level the field for their favorite team.

In the future, I will try to keep in mind the intense human proclivity for winning. I never realized it was so strong!



Ensign Jody Lyon
USS Heimdal NCC-1793
Engineering Dept

SD: 202205.25 – Monthly Engineering Report – LCMR Bud Walker, Navigator

This is my first report since transferring to the Engineering Department from Security. I had made the transfer request at the recommendation of ship's Counselor, Ron Martin. Captain Millner, as you have no doubt been briefed in by Section 31 regarding my background in the "Mirror Universe," it should come as no surprise that I have been dealing with some emotional and mental struggles. My sessions with Counselor Martin have been helpful in making the transition to this new reality but I am still haunted by many of my experiences from my home universe. Counselor Martin felt that my being in Security was too similar to my job from the "other place" and urged me to take a completely different job that would allow me to build a new life in this universe.

I was pleased that you and Admiral Davis have been so receptive to my transfer. Sometimes I feel overwhelmed at the prospect of becoming a Navigator, as this is a completely new realm of study for me. While I have been visiting Stellar Cartography on a regular basis to get "up to speed" on mapping the sector, there is no specific StarFleet Academy course on starship navigation. This is understandable as most Galaxy Class starships have combined the navigator and helm positions into one position. For this reason, I will be enrolling in both CSO-101 Flight Operations and CSO-107 Bridge Operations at the Academy. Between the two courses, I should learn the basics of starship navigation. I understand that I will not be assigned to the Bridge until I have completed these two courses, but I admit that I am anxious to get there.

I must admit that I was surprised to be promoted from Lieutenant to Lieutenant Commander. Where I am from, for anyone to be promoted usually involved blood on the floor. To be promoted simply for passing the Officer Command Course seems a bit easy. I guess there are still some things I will have to get used to on this side of the mirror!

Another recommendation from Counselor Martin was to take up some hobbies in my off-duty time. The concept of off-duty time is a new experience for me and has taken some getting use to. I have always been interested in history, so I have been exploring old games of the past. I have tried several versions of what were commonly referred to as "board games," with some of my ship mates and the ship's computer. I have also enjoyed playing an old earth game (circa 21st century) called "World of Warcraft." It is an interactive game where players control a character and navigate an alternate world. However, this is not a halo-deck creation but is rather presented in an old-style two-dimension format on a viewing screen. Despite this retrograde aspect, I am enjoying playing it.

All in all, I am settling in with my new assignment and my new crew-mates and I look forward to the adventures ahead for all of us!



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

SD: 202206.01 – Monthly Engineering Report – Captain Darrell Millner, CEO

There are times when one is going full out on all thrusters, doing many projects, and then you get to work on your report and wonder "what happened?". I worked with Ens. Larry Whately for several hours this morning regarding Quarter Masters duties and some creative ideas of his. Turns out we have also traversed some of the same paths on Earth's Appalachian Trails on the east coast of the United States. I look forward to recapping with him in the future, maybe over scones in the shuttle bay observation lounge. I also have an upcoming meeting with Cmdr Henderson and Capt Campbell regarding the shuttle bay project next week. Anticipating feedback from medical later today, Lt Cmdr Walker is continuing to have headaches that are apparently impacting his performance on the bridge. XO Smith advised me that he has been given a few days off in order to resolve.

As we move forward I realize the team is pushing along, doing exceptional as always, but I am reaching out to Ens. Lyons, recreation officer, to see what we might do to break things up a bit. I dare say it might be time to run light on a few shifts and give the team some much deserved time for both team and personal activities. Think I might be due for some holodeck time myself and perhaps catching up on a few courses [Darn "Bud's" hyde].

Millner Out



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

Some Thoughts on Striving for the Good Place

I have been pensive today after a frustrating morning when I couldn't seem to meet my goals. I remembered what Chaplain Hazlett said to me. To remember to make myself heard and to not just always listen. So, I am recording my thoughts. Perhaps they may be helpful to others.

The denizens of some planets would describe the Federation as a utopia. But of course, we know utopia actually means "no place." Even though we solved so many problems, like poverty and environmental issues, that just means when we have tragedies they tend to fall from the clear sky. My mother never let me forget that, when I was growing up as we would take "road trips" around the Alpha Quadrant to places like Deneva.

The Denevans still haven't forgotten what happened there nearly 100 earth years ago. What looked like at first an invasion of an entire species of aliens bent on domination, turned out to be one organism which could exist with its cells disconnected. They would attach to a humanoid spine inducing madness controlling the everyday citizens of Deneva with infernal levels of pain. Sure, somebody on the Enterprise thought of the cure having to do with ultraviolet light. But the memory of something like that doesn't fade. To see friends and loved ones pushed to and beyond their own breaking points, takes more than a century to heal from.

There is a tasteful visitor's center there that my family would volunteer at occasionally. We typically manned the labyrinth, guiding people through its twisting course. This labyrinth was a meditative space, with an elaborate walkway carved with the names, not all the names – that would be too many – of the victims of that assault. The names carved were those of the young families who had travelled there to start new life and new careers. Deneva had been advertised as a Utopian Community and it certainly appeared that way. Of course, young families would be attracted, totally unaware of the impending danger to their colony. The staff of the Deneva Visitor's Center are always looking for donations of time and labor.

Yes, the society of the Federation is beyond the wildest dreams of most known citizens of the Milky Way. Yes, it has been described as a utopian society. But in the language of the ancient Greeks of Earth, there can be no utopia by definition, though we can all strive to create and move toward that unreachable ideal. Whenever I would get depressed about all these tragedies on so many planets, my family would paraphrase another quote: Our reach must exceed our grasp or what's a heaven for. So, we continue to reach for that place knowing that it is the striving which makes us a great society, knowing that there is no perfect place, knowing that no place is protected from disaster. knowing that to be recognized as a "good place," or eutopia, is a noble goal.

I find myself thinking about Deneva today and all the friends I made there – even that tactless gentleman who opened a pancake house across from the center. Too soon, but he gets a lot of ironic business.

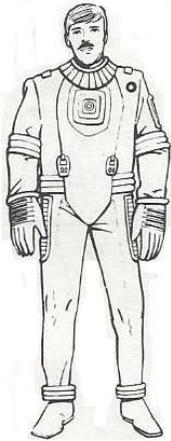


Lt. Cmdr. Zak Lyon
USS Heimdal NCC-1793
Engineering Dept

As We Hitchhike Across The Universe – Humor Helps - Editors Note

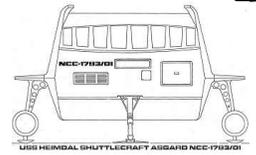
Some think that Engineers are gruff and too focused, but I disagree. However, *Engineers do have notoriously great & fractured senses of humor*¹. This makes me chuckle as **most** engineers know the jokes about "GOD was obviously a *civil engineer*, because no one else would have...." (Oops – scratch that), or how on our first day of class there was always an Engineering student looking around for their train whistle and stripped hat". For me the best example of humor comes from an early Shuttlecraft Asgard flashback. Quarters were very tight back then so every conversation was overheard. I recall one such case when a physicist was working with an engineer trying to utilize an ancient manuscript hoping to lighten the mood at the next social gathering. What I caught sounded something like this "*yes yes I know - the principle of generating small amounts of finite improbability by simply hooking the logic circuits of a Bambleweeny 57 Sub- Meson Brain to an atomic vector plotter suspended in a strong Brownian Motion producer [say a nice hot cup of tea] is of course well understood – but constructing such a generator to break the ice at parties by making all the molecules in the host/hostess's undergarments leap simultaneously one foot to the left, in accordance with the Theory of Indeterminacy* I think the CO & XO will throw us out the airlock – don't you?"* Besides, being creative hand in hand with humor results in great laughs. Anyone recall the "Kolothe incident", transporting creatures to the Klingon vessels engineering room, where they were "no tribble at all"

With a little help from * Douglas Adams – The Hitchhikers Guide to the Galaxy *



STARFLEET

EDUCATIONAL SERVICES



Heimdal Engineers at Starfleet Academy

2022 MAY Graduate(s)

LCDR William "Bud" Walker

CUSH-101 - 1600-1699 - IOIS - College of US History - Distinction- 08MAY2022

CUSH-102 - 1700-1774 - IOIS - College of US History - Honors - 08MAY2022

CUSH-103 - 1775-1780 - IOIS - College of US History - Distinction- 08MAY2022

CUSH-104 - 1781-1799 - IOIS - College of US History - Distinction- 11MAY2022

OCC - IOLS - STARFLEET Command College - Honors - 18MAY2022



Heimdal Monthly Engineering Zoom

SD: 202206.20 ED: **June 20, 2022** 7:00 pm eastern

Come join your Engineering team in a lively discussion about everything from Shuttles to Warp Cores, Reports, Stories, Tools, Roleplay initiative, 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 informative and fun it can be.

*** Zoom coordinates will be emailed ***

If you have scheduling or technical challenges, let me know

Thanks you to this months contributors
- Zak L., Jody L., Bud W., Darrell M.,

Please note, corrections and additions are always welcome



Special Update:
STARFLEET Region One Wants YOU
r1.sfi.org/open-positions/
Several Positions are currently in play - Come Make a Difference -



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.

Contact Info:

MILLNER

54 Breeze Pt.

Byron, GA 31008

Trek1793 @ millnernet.com

©2022 Trek.Millnernet.com