



THE ENGINEERING LINK

"Engineers are Warped"

SD: 202111.01



NCC-1793

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



From the console of the Chief Engineer

Capt. Darrell W. Millner

Greetings Crew and fellow Starfleet Engineering enthusiast,

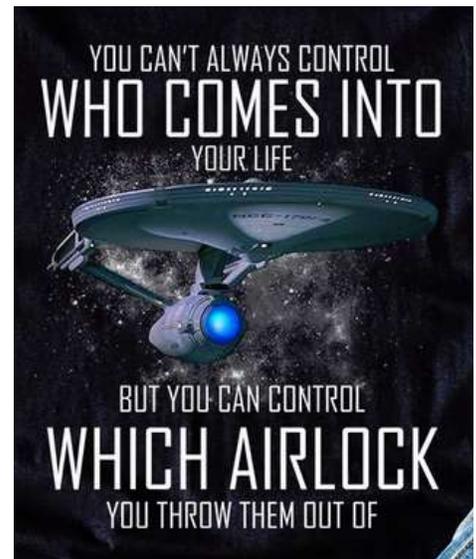
Engineering continues to strive and develop. I continue to copies of the "Historical Documents" ha ha - a stash of early Heimdal Newsletters I stumbled across while reorganizing my office. Wow the visions we had, the ones we've accomplished, and those yet to be realized. The news articles, the stories, the book and movie reviews, the car washes to raise money (and the resulting sun burns), the caravans of vehicles on our way to conventions (the traffic violations), the pizza. Amazing times. But as they say, "the best is yet to come". No seriously, we are in a time of new creative adventures, ST: Discovery, ST: Picard, ST: Prodigy, ST: Strange New Worlds, only thing missing is ST: Breakfast with Edward" ha ha. This is a time of inspiring new fans, reviving the more seasoned fans, and finding a balance with old sensibilities and new technologies. We cannot lose the principles that make us the fan organization we are, but whoa are we if we cling to "Yes Darrell, but we've always done it like this..." WE MUST GROW.

The Engineering Link is beginning to take on a life of its own, as was the intent. Its an interesting balance as a freestanding publication and as a departmental companion to the Heimdal's Rainbow Connection (HRC). The advantage is being "Engineer/ Engineering Specific" and as much detail as we can, plus submitting synopsis information to the Heimdal's monthly publication along with unique articles, reviews, and more. Take for example the "Interdepartmental Role Play" featured in the HRC where Engineering continues to take point with Zaks leadership and multiple other departments providing context for a robust storyline. Next month Medical or Communications may take point, so here in the Link - some reference and insight but the plot goes on.

Hopefully you have noticed the updated header, some changes in fonts this issue. I would like to extend a special thank you to Fcapt. Kevin Plummer, Vice Regional Coordinator of Operations for Region 01. His help in bringing our font's into the new century are greatly appreciated as have been his words of inspiration and encouragement. Thank you sir. Here we go folks, "Warp One" into our next issue....
- Good Health & Adventures,
Capt. Darrell Millner - CEO.



"Before they went to warp I transported the whole kit 'n' kaboodle into their engine room... where they'll be no tribble at all."
- Montgomery "Scotty" Scott - TOS:TTWT



"Please take in the humor intended, Popular FB Meme"

STARFLEET BY THE NUMBERS

As of SD 202111.29

STARFLEET

- 234 Chapters, 5532 members

REGION 01

- 49 Chapters, 1009 members.

USS HEIMDAL

- 66

HEIMDAL ENGINEERING

- 08



Online Resources

Heimdal's Home Page

<https://www.ussheimdal.com/>

Engineering Portal

<https://trek.millnernet.com/>

<https://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



ARE YOU READY?

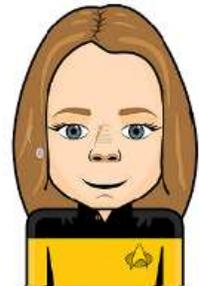
Heimdall Engineering
SD:202110.21



PO3 Gary Burley
Maintenance Engineer
Ship Fitter



Lieutenant Zak Lyon
Helm Officer
Technology Specialist



ENS. Jody Lyon
Dilithium Maintenance
Recreation Officer

WE HAVE ROOM FOR YOU - A SAMPLE OF FICTIONAL DUTY POSITIONS HERE IN ENGINEERING -

- 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 Report's

SD: 202110.25 - Monthly Engineering Report - Lt. Zak Lyon

Sir, I am pleased to report that my mentoring of Ensign Kalyan is going great. He is becoming a very skilled helmsman in a short period of time. Thanks for your confidence in my ability to carry out this assignment. I am so proud to really feel that I have the possibility to inspire someone younger, like you did for me, sir. Now I will be able to accept more assignments off the bridge.

I would also like to report that I completed two academy courses since my last report. One passed and the other still awaiting results. You should have received a verification on NOR101 and will for CENG105 shortly. FYI, I took the NOR course to brush up on my ancient Norse mythology. In the mess hall, I overheard crew joking with someone about not knowing the origin of the Heimdal moniker and admonishing them for calling Loki "the god of replicators."

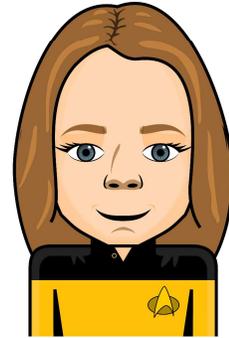
I have to admit, one of the reasons I am taking on all these extra projects is to distract myself from whatever is coming as a result of the imposter onboard. I am considering asking permission to contact Mazur again, to see if he can or will give me any more information that could help us locate this person before something happens.

My El-Aurian skills have actually improved during this event. I am not quite used to this level of "hearing." Thanks, Dad. Believe me, I am sensing a lot. I am keeping my ears opened.



Lt. Zak Lyon
USS Heimdal NCC-1793
Engineering Dept

"Heimdal Engineering is pleased to announce Jody Lyon's promotion to Ensign and her successful graduation from STARFLEET OTS"



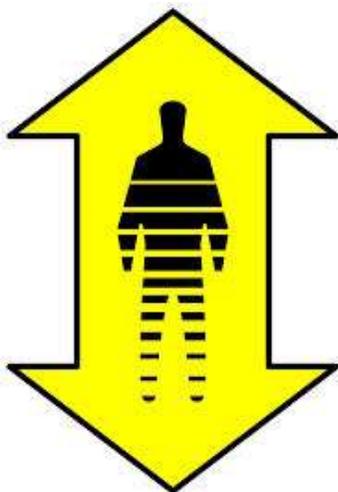
"You can use logic to justify almost anything. That's its power, and its flaw."

- Captain Kathryn Janeway
ST-VOY



SD: 202110.25 Monthly Engineering Report – Ens. Jody Lyon

Thank you for considering my interests and appointing me to stations where I can grow in engineering knowledge/skills and as a crewmember. I am excited to have been able to complete my officer training from the Heimdal while I continued to work. And I am honored that the Commanding Officer has promoted me to ensign. Thank you for your support as I studied and completed my course work. I feel nicely settled now and have met many new crew as I thought I would working on the Rec Deck. During this extended long haul warp the recreation facility has definitely gotten a lot of use. Lots of repair, re-calibration, and installation of new activity modules have kept me busy. I have become familiar with all the Heimdal has to offer crew during off-duty time and have actually gotten proficient at giving tours of the facility. I particularly enjoyed getting to know the new veterinarian technician. I was surprised how many crew had small pets in their quarters. I may consider getting one myself. Great stress reducer. Something we all could use until we identify the intruder onboard.



Ensign Jody Lyon
USS Heimdal NCC-1793
Engineering Dept

Supplemental Report

: Engineering Material – The Right Stuff ?

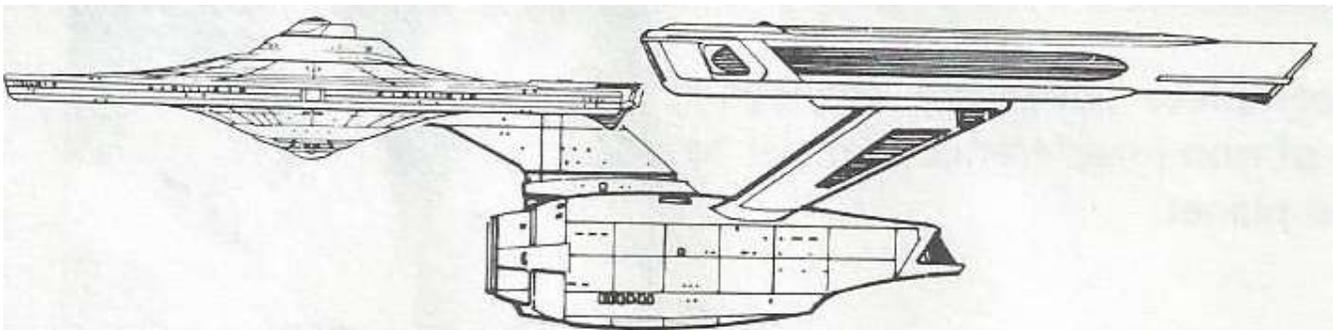
SD: 202110.25 - Lt. Zak Lyon

About ten months ago, I requested to be assigned to Engineering under the leadership of Cmdr. (now Capt.) Millner. During those awkward few months before I picked a specialization, I questioned if I was Engineering material. I wondered if I fit the mold, but something I just casually pursued this month, convinced me that there really wasn't a mold that I had to fit in. One of the best things about modern Federation times is our zest for life and love of learning in every place we find ourselves and that's good. You look back a few centuries ago, and people were content to stop learning and just check off boxes. Not to learn for learning's sake like us in the 24th century. But even the best of us can slip. Especially in those first months at StarFleet Academy when so much is new. Let's be honest here, all of us had one or two classes at the Academy where we weren't paying attention in class. Late night. The right girl. Cool hologame program. Accidental time travel. [that's another story] You know what I am talking about. Well, I am not one to blame external circumstances, but something got in the way in my CENG 105 class. What got in the way? In my case, it was external circumstances. I had trouble seeing the holograms from the back of the lecture hall because of this guy in front of me who sculpted his horns differently every day. I said differently, but never shorter. That would have been considerate. Just when I thought I got the line of sight right, the next class there was a new obstruction. Nothing against that, but I would have loved if he picked a style over the weekend and stuck with it for the week. And I believe that there were horn extensions involved.

Anyway... So, I did have one or two classes I passed without learning a lot. Unfortunately, CENG 105 was one of them. Funnily enough, I found that this was one of the courses I could take over sub space right here on the Heimdal. And, finding myself in a long haul warp this month and being assigned to Engineering, I decided I should revisit the course just for fun, no pressure. With nobody blocking my view. I have to recommend this course to everyone inside and outside the Engineering department. It is a history survey type course on Engineers of note. Not only does the material remind us of some of the great accomplishments of the "gold and black" (and sometimes red), but in my honest opinion, Engineering has historically been the home to some of the more unique and creative individuals in the fleet. These individuals came from diverse backgrounds, with diverse interests and diverse goals. There was no mold. The coursework here enhanced the scope of my knowledge base. And re-enforced and confirmed that anyone can fit in Engineering. EPS conduits don't discriminate. From the earliest days of the warp fives, engineers have always been ready to lay it all on the line, to tell the bridge hard truths, overcome obstacles from within and without, see things differently than most, and I wouldn't be surprised if one day an engineer was one of the most famous people in the Federation. Montgomery Scott once said: "The right tool for the right job." It has taken on a new meaning for me. Everyone is the perfect fit for something in this department of ours – we all are "engineering material" in one way or another.

One final thing I will say about this course, there's a lot of emphasis on The Enterprise. But I understand an argument can be made for that. I understand different lecturers, different biases. So, if you decide to take this course, study up on The Enterprise. It's really not a bad thing to do.

- Lt. Zak Lyon



SD:202110.29 Chief Engineers Log, - Millner D.

It's been an intense period with a number of activities here in the department.

- I am watching closely the progress on shuttle 1793/16. Captain Campbell has been assigned as project manager / lead, with Lt. Cmdr Larry Rowland taking point on navigation & transporter upgrades, Ens Larry Whately as second shift Duty Engineer, & PO3 Gary Burley as Ship Fitter. As I understand some of his structural designs and concepts are key to the project. Shuttle /16, being a type-7 shuttle – (Medium short-range warp shuttle), provides a stable platform on which to modify its armament and powerplant capabilities. Though I am a bit concerned about its shielding. Time will tell.

- I had an excellent discussion with Cmdr. Dennis Henderson this morning over scones on the shuttle observation deck. He noted with her age, Heimdal is over due for maintenance on the antimatter pods and systems. Things that could be best managed at Utopia Planitia next time around. It's not that we could not do the work, but what would take us a month and impact our readiness could be completed in less than 9 days at that location. I will work with XO Smith on a schedule proposal, mission priorities coming first of course. I may assign Ens Lyons to work directly with him on a detailed proposal in the event the XO determines a different path, it would be good exposure for her as well Henderson being an excellent role model.

- Speaking of Lyon, Lt. Lyon that is, I have to wonder if he is after my position – ha ha. He continues to impress, and I am inclined to encourage him to stretch his legs so to speak. I think he brings a lot to the table with his constancy, creative thinking, and knowledge. Just a few areas of concern, but we'll see. I think his review cycle is coming up..

- When it comes to reviews, I need to reach out to CMO White, she's been sending me comm's regarding my full physical, apparently I'm a bit over due. I always feel a bit exposed during these sessions – no I don't mean the gown – its the questions about how I am doing. I don't want to come off complaining, some of this comes with age, some from too many jefferies tubes.

- Time to complete my rounds. - CLOSE LOG.

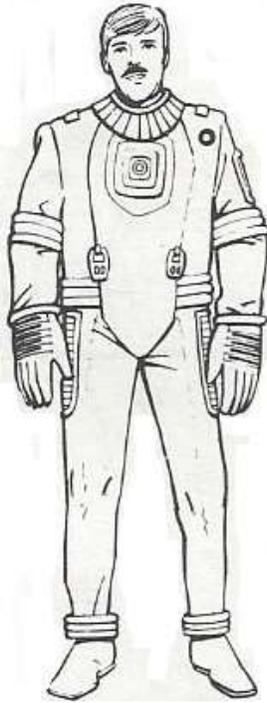


Who's seated right next to you?

One of the foibles of serving on a Starship, like in any field or industry, is when you realize how naturally we can all unintentionally categorize people. For example, that first day you enter STARFLEET Academy and find yourself in a room filled with cadets. It is so easy to assume similar backgrounds, travel, families and interest. A quality cadet listens, learns, ask questions, gets to know what the people on their team may want to share, never assuming.

Let's say you're in the mess hall before your shift – across from you sits an engineer (based on his battered uniform) who looks to have been deep in the bowels of the ship constructing / scrubbing who knows what, things that you never see from the typical high profile work station. In this case an equally vital member of the crew, ship fitter / maintenance engineer. He is intently working on a sketch, is it a new bulk head? A new junction plate? ... your curiosity gets the better of you, "so watcha working on?" ... as you lean in closer ... there's a moment of eye contact, an eerie smile, as crewman PO3 Gary Burley spins his tablet for your observation "I have a soft spot for Zombies". Who knew?

Gary Thank You for sharing, we have such an amazing team and so many different skill sets. And again, Congratulations on your recent museum piece, and your comic work. - Millner Out. (Shared with the direct permission of the artist, all rights reserved).



Heimdal Engineers at Starfleet Academy

Jody Lyon, Ens.

IOLS: SFCC STARFLEET Command College
OTS - Officers Training School - HONORS 2021 10.16

Zak Lyon, Lt.

IOTA College of Mythological Studies
NOR-101- Norse Deities - DISTINCTION 2021 10.11
CENG College of Engineering
CENG 105 Starfleet Engineers - DISTINCTION 2021 10.26

Darrell Millner, Capt.

IOSTS: College of Starship Operations
CSO-104-Guidance and Navigational Operations - PASS 2021 10.05
CSO-1-7-Bridge Operations - HONORS 2021 10.08

2021 Recorded October Graduate(s)



Region 01 - Updates that impact Engineering

It continues to be a transitional time since Radm Jason Schreck's untimely departure. A new Regional Department Chief of Engineering has been assigned as of yet. Fcapt K. Plummer continues to keep Region 01 Engineering on track. For those that follow R1.SFI.org & Facebook : STARFLEET Region 01 and STARFLEET Dept of Engineering you will see that his updates provide key insight to the course he and the R1 leadership team are on. As noted before, I appreciate his efforts to provide direction and resources that continue to assist our department and division. - Millner Out.



Fleet Wide Fitness Challenge (#sfmfitnesschallenge)

Region 1 ASG - STARFLEET Medical is holding a Fitness Challenge for the month of November! Tracking activity minutes, which you can either time yourself, or use any smartwatch or phone to keep track of for you. The Challenge begins Monday Nov 1st and ends at midnight Tues Nov 30th. Participation is obviously voluntary - but encouraged! Look for the full article in this months edition of the Rainbow Connection.



Heimdal Monthly Engineering Zoom

Monday 15 November - 7:00 pm ET

Add this date to your calendar folks

Our monthly department live zoom session

The Zoom Meeting ID is 871 4019 4177

the password will be distributed via email prior to the event.

Feel free to make suggestions on items to cover.

STAR FLEET POSTAL SERVICE



Larry Rowland
Serious Chili 2016

- Dimming the Lights for - Correction

Last month I indicated that Brian Klingler had been an early Heimdal Chief Engineer. My error, the CEO was his older brother "Rob" Klingler. My apologies for the error and any misgiving that may have resulted. Both were valued Heimdal Members.

Brian was, however, taken way too soon.
Respectfully - Millner



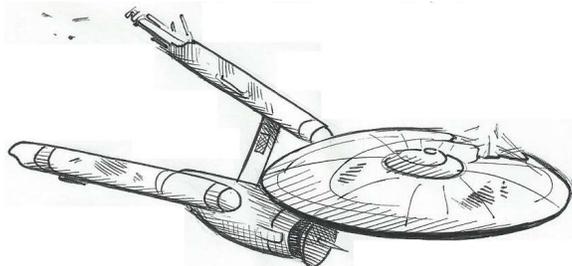
DID YOU KNOW....

- The primary power distribution network on the Galaxy Class is referenced as "EPS", Electro Plasma System
- The STARFLEET intended Operational Life for a Starship is 100 years
- with major component replacements every 20 years

U.S.S. ENTERPRISE Illustrated Handbook & Mr. Scott's Guide to the Enterprise

**Special thanks to our contributors this month;
Gary B., Jody L., Zak L., Darrell M., & Kevin P.**

Please note, corrections and Additions are always welcome



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
©2021 Trek.Millnernet.com