



THE ENGINEERING LINK

"ANVIL OF ASGARD"

ISSUE: #027
SD: 202401.01

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



"" Engineering Team
of the USS Heimdal NCC-1793 – Region 01



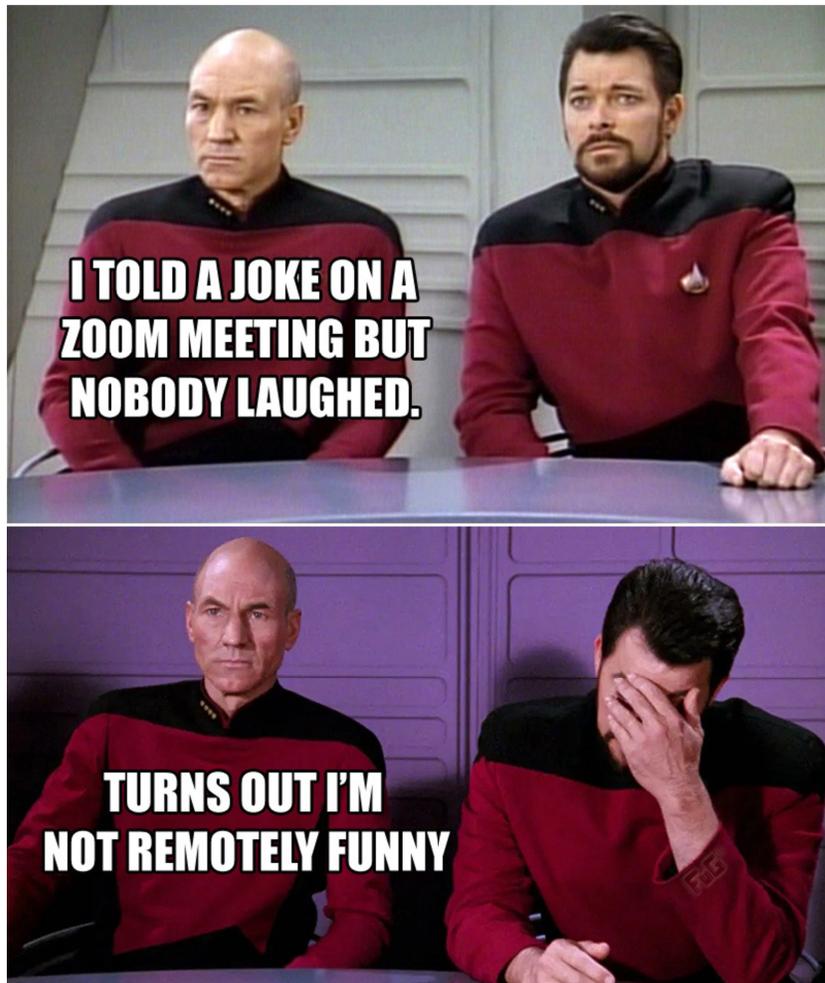
Welcome to the T.E.L. January 2024, " "

Heimdal Engineering you have done it again!!!

Our department has been recognized by the USS Heimdal Leadership as the "HEIMDAL DEPARTMENT Of The YEAR 2023", and I for one could not be more pleased. Details on page 7 of 9.

Please forgive the large title image, let's dive right in.

- Chief Engineer D. Millner



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STARFLEET BY THE NUMBERS

As of SD 202401.02

STARFLEET

- Members, Chapters

REGION 01

- Members, Chapters

USS HEIMDAL -

HEIMDAL ENGINEERING - 6*

Online Resources

Heimdal's Home Page

ussheimdal.com

The Engineering Link

trek.millnernet.com/eng-link/

Region One / SFI Corp of ENG

R1.SFI.org coe.sfi.org/

STARFLEET International

SFI.org

STARFLEET Academy

es.sfi.org/academy/login/index.php

Awarded 2022 & 2023 USS Heimdal "Department of the Year"
Region 01 "Communications Excellence" Best Departmental Newsletter 2021 & 2022

Reminder achieves of the "The Engineering Link" can be found via
<https://trek.millnernet.com/home/eng-link/>
and the current Heimdal's Newsletter "Rainbow Connection" via
<https://www.ussheimdal.com/rainbow-connection-newsletter>



FCAPT Darrell Millner
CHIEF ENGINEER



ENS Larry Whately
Duty Engineer
Quartermaster (Sr)



CMDR Zak Lyon
Helm Officer
Technology Specialist



CMDR Bud Walker
Operations Officer
Quartermaster 2



LT Jody Lyon
Dilithium Maintenance
Chief Recreation Officer



PO3 Gary Burley
Maintenance Engineer
Ship Fitter

202309.19

2024 - JANUARY

- 02 JAN - RAINCON SUBMISSIONS DUE - Noon
- 11 JAN - ROLE PLAY MEETING -
- 15 JAN - **ENGINEERING DEPARTMENTAL ZOOM**
- 17 JAN - R1 ROC ENGINEERING OPEN HOUSE ZOOM
- 20 JAN - HEIMDAL MEETING AND ZOOM
- 25 JAN - SUBMISSIONS FOR THE ENGINEERING LINK

02-85214

03-85412

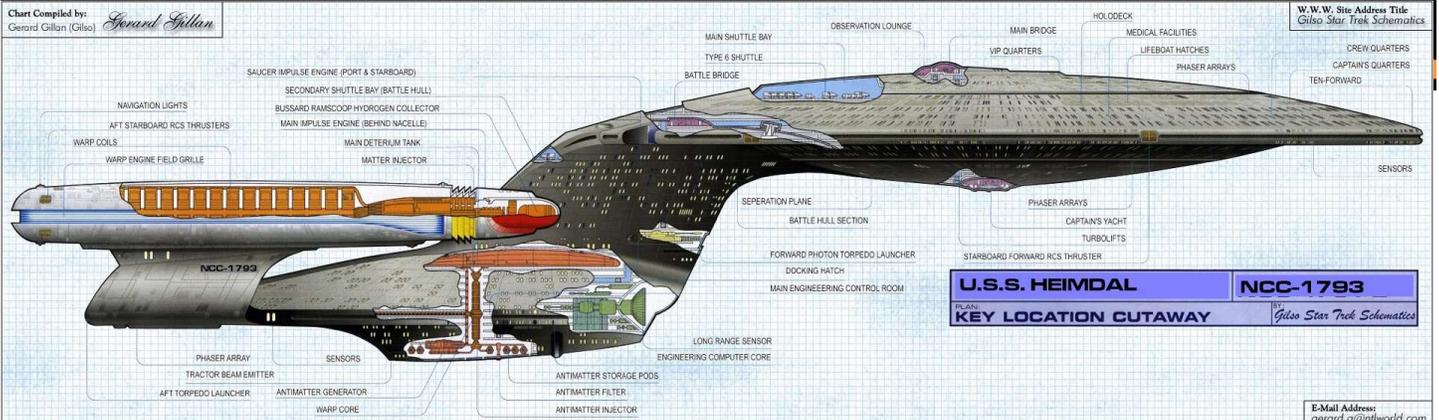
04-85413

05-74125

Chart Compiled by:
Gerard Gillan (Gilsa)

Gerard Gillan

W.W.W. Site Address Title
Gilsa Star Trek Schematics



**SD: 202312.20 – Monthly Engineering Report – CMDR Bud Walker**

/begin/ Captain, I am pleased to report that I received my certification for Science Officer in the Bridge Officer Certification Program. While I do not think this training will directly assist me in my liaison work with Computer Sciences, nevertheless it gives me a handle on the terms and processes used by the Science Department. In other words, I should be able to “speak science” enough that my relationship with Science officers should be positive ones.

This month was a quiet one for Operations, as ship resources have been managed mostly by the ship’s computer without my intervention. There was only one occasion where Stellar Cartography and Astrophysics both requested use of the primary hull lateral sensors for the same time period. I was able to resolve this by asking Helmsman Zak Lyon to adjust the attitude of the ship 90 degrees, so that the engineering hull lateral sensors would be a position that would give Cartography the “view” that they needed.

On the personal front, I have been reading my copy of “Draw Me Into Your Logic, the Keethera Exercises.” Lieutenant T’Ploth has tasked me with meditating for at least an hour every shift rotation. I was already doing daily meditations but only for 10 minutes or so. I must admit that it has been a challenge to keep my mind focused and free of distraction for an entire hour. But of course this is the point of the exercise. Occasionally, I have meditated with Lieutenant [j.g.] Stok. Unlike me, he prefers to burn candles, which is typical for Vulcans. But for me the smell of the burning candle, while pleasant, becomes another point of distraction that I must control with my mind.

T’Ploth had Stok and me attempt our first Keethera. Not surprisingly it was a disaster! I was not expecting our first attempt to go very far and so I was very philosophical about it. Not that he would admit it, but Stok seemed disappointed, and a little crest fallen. T’Ploth told us that an early failure was to be “expected” on our first attempt, and she gave us some quotes of Surak to meditate on during the next month.

At the risk of seeming self-indulgent, I want to report my reaction to being named “Crewman of the Year,” by the CO. Of course, I am very grateful and even humbled by such recognition. But if it seemed that my reaction was muted at the time, it is only because I am still very self-conscious with receiving public attention. While I want to be a successful member of the crew and have the normal ambitions that any officer would have, I am still uncomfortable with praise and compliments. But I hope you and Admiral Smith know that I truly appreciate the award /end/

**SD 202312.27 – Monthly Engineering Report – LT Lyon Jody**

/begin/ Sir,,I have noticed that the crew with Earth Heritage has been talking about “making resolutions.” I have been looking into the tradition and what I have found is that it is about resolving to make changes in one’s life by getting rid of bad habits and creating new ones. Or at least resolving to accomplish something new. It seems like a similar practice on Bajor associated with the Peldor Festival where we leave our troubles behind and start fresh in the new year. I guess this is a universal time to turn over a new leaf – the coming of a new year.

So, I am asking for your help in holding me accountable for the keeping of my “new year’s resolution.” I have tried so many times to get into the routine of completing Starfleet Academy classes. I know I have reported that I am going to do this on several occasions. The intentions were honorable, but the result was that I put the classes off and did not accomplish what I intended to. Perhaps I need a festival or holiday to make this commitment more meaningful. I asked crewmates about their experience with holding to their resolutions made at this time of year as opposed to other times. Most said that they still lost interest after a short period of time. I am going to challenge myself to a higher standard with the hope of becoming a more valuable member of this department and of this vessel. Wish me luck. And happy new year. /end/



SD: 202312.27 - Monthly Engineering Report - CMDR. Zak Lyon

/begin/

Sir, I am reminded of how often you say that all of us on this ship are family - even the crewmembers that we just "pass in the halls." This report reminds me of that.

First of all, Fahima (remember, the director of the intership Galaxy Class choir) wants to congratulate us all on our Heimdal choral performance. We didn't realize that our amateur hour performance had reached beyond our crew. She said that you, sir, gave one of the standout performances. And there it is in subspace for all to see, a compliment preserved for all time. From a highly regarded source! Our presentation certainly brought many of us together from several departments. And each of us was given an opportunity to let our talents shine. Personally, I never knew Cmdr. Walker was such a good dancer.

But I should talk a little about actual engineering business in a report for once. I found out who was messing with the temperature controls. It was caused by these two sweet, little Andorian kids trying to make a couple of ice mounds after hours in their school workroom - so the Shimmer Master could carve their dreams! The ice began to melt and being the prodigies that they were they began to mess around with the temperature controls. The ice stabilized, but that was when I noticed that little "nip in the air" as I said before. It was a biproduct of a bit of Andorian mischief and a desire to celebrate a cherished tradition.

You know the Shimmer Master, the Andorian gift giver? He makes dreams come true? He is an Aenar. Kids put a block of ice out each year at the festival of... oh, I can't spell it.. the festival which translates as Fields of Light and Color Celebration. The Aenar had been a myth since ancient times on Andoria. Only in the last few centuries did they find out the subspecies were real. But despite the fact that everyone knew that the Aenar were no longer mythological, the Shimmer Master, like all of the centuries of fairy tales, superstitions and festivals remained. As the legend goes, the Shimmer Master can see the living color of the dreams of the kids in the ice and from his mind's ice he carves the dream. Families wait all year to see what is done and the children awaken and rush out to see if their dreams have come true.

Well, when I located and confronted these little geniuses, they told me that making the ice was very important to them this year. In history class, they had just learned about when Captain Archer first encountered the Aenar. There was a "bully" in the class who was teasing them about the Shimmer Master that they were so excited about coming to visit. She said that if he was real, he would have introduced himself to Archer. These kids were determined to prove that the Shimmer Master was real. So, I told them all about one of the first chief engineers of the USS Enterprise who was an Aenar. And how much of a genius he was - just like they were. And if the Shimmer Master wanted to stay hidden, he certainly could have. There would be no reason for him to show himself to a diplomatic mission. Then I showed them a safer way to make the ice they needed without messing up ship's systems. It was strange to hear about an actual bully in the wild and not just in textbooks. I thought we'd helped people to express themselves better ways. These Andorian children seemed compassionate. Who knows, maybe the Andorian kids will set out extra block of ice for this little girl. And then the Master can read her dreams and give life to her wishes. After all, when you come right down to it sir, we are all family. When we help each other that's when the true blessings happen.

As far as believing goes...El-Aurians always believe. We listen and gather traditions from everywhere. We believe that true understanding comes from sharing stories. And listening.

As to that chief, may the great bird of the galaxy bless your planet ... and all of us /end/



SD: 202401.02 – Monthly Engineering Report – CEO/FCAPT Darrell Millner

/Computer begin recording /

Once again, I find myself beginning this entry different than I had hoped for. One of my hobbies as a Engineer is antique model railroading of 21st century Earth, I know I know, “but Chief you have holodecks...” True, but just like the legendary Geordi LaForge and his wooden ship building, there is something about creating / operating / exploring these amazing transportation marvels. Recently (IRL*) I found myself helping a group I am with to set up and display a demonstration structure for a holiday event at a local venue. The event and the display went off wonderfully, record attendance, many era’s of rolling stock and locomotives, just a wonderful time. Unfortunately for me, apparently I did need a booster of some sort because during the final days of the event I became acutely aware that I was running a fever and needed to report to medical. Fourteen days later I was on the mend(ish), had lost all track of time, missed several deadlines, and here we are a few days later in 202401. When I say I’m Just glad to be here, I MEAN “I’m Glad to Be Here!”

It’s another clear example of the outstanding team here in Heimdal Engineering, Interdepartmental Role Play Group, and my fellow SFA partners. 24 hours into my illness we had our scheduled 3rd Monday Zoom – a highlight to my month – and a real source of camaraderie for the department. I logged in, provided a quick update, encouraged the team to move forward and I would review the recording (wait need to do that still) and apparently I slept and let 8 hours of digital video record.... ummmm yep I do need to get back to that ha ha. But I do know the team grabbed the banner and kept moving forward.... AS WE DO In Engineering.

I submitted my report today for the Heimdal’s Rainbow Connection, providing updates on our department it was real treat to look back over December (even if a blur to me ha ha), so many great things. “Grand Moff Got Run Over by a Runabout” (yes YOU ARE Humming it again), our Holiday Extravaganza, and this our 27th edition of T.E.L. 2024 will be stellar, I truly think so.

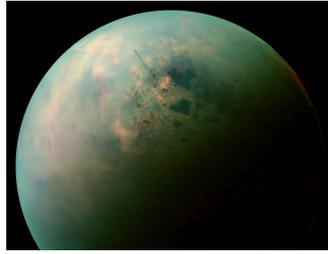
Special acknowledgment to our very own **William ‘Bud’ Walker Jr.** Surpassing 150 STARFLEET Academy Courses and receiving his **GOLD Boothby Certificate**. Our team continues to set the bar on the Heimdal’s academic track, even if XO Willie Smith is closing the gap. Let’s continue to – *“Encourage Him”*

Let me say once again, team you humble me, you help me raise the bar, you encourage me, and I will do my best to help do the same in 2024 and beyond. Can you hear the ringing of the Anvil? Because I Can!!



Fleet Captain D. Millner, CEO
USS Heimdal Chief Engineer
R1 RDC of Engineering
STARFLEET Marine Corps Reserves
SFA Red Squad

What Do We Need To Do As Engineers?



Did not want the readership to think we disregarded the DECEMBER **Question**: So lets see if we can get some feedback. What are your thoughts Engineers? "Are we putting too much focus on MARS, vs Moon, Titan, or other options? Where should establish our presence in space? email trek1793@millnernet.com with subject matter ENGINEERS Whats Next?



India deploys first X-ray satellite, 882-pound tech to decode black holes

The Indian Space Research Organization (ISRO) launched its first X-ray space observatory known as the Polarimeter Satellite (XpoSat).

Published: Jan 01, 2024 04:38 AM EST Mrigakshi Dixit <https://interestingengineering.com/>

The Indian Space Research Organization (ISRO) began the new year with a bang, launching its first X-ray space observatory known as the Polarimeter Satellite (XpoSat). This mission lifted out from the Satish Dhawan Space Centre in Sriharikota, Andhra Pradesh, on Monday, January 1, atop India's powerful launch vehicle, PSLV-C58. The rocket smoothly deployed the satellite into a low-Earth orbit, where it is set to study luminous cosmic X-ray sources, including black holes, neutron stars, active galactic nuclei, and magnetars. This launch marked the 60th flight for PSLV-C58, an illustrious milestone for the dependable launch vehicle. Interestingly, XPoSat is the world's second mission of its kind after NASA's 2021 launch of the Imaging X-ray Polarimetry Explorer (IXPE).



"As I explore with internet via websites, FB, Youtube, NASA, and more 'ENGINEERING' takes on such a prominent role in the feeds. Its my hope that current Engineering will also inspire us from a STARFLEET Engineering perspective"

- Millner, Darrell





HEIMDAL ENGINEERING AWARDED



USS HEIMDAL *Department of the Year 2023*

THIS AWARD IS PRESENTED TO:

HEIMDAL ENGINEERING

- For exceptional coordination of the Engineering Department, maintaining & retaining members
- For communicating with all new members inviting them to join the Engineering Department
- For generating interest IN the department on an on-going basis
- For producing a departmental newsletter that is a Regional award winner
- For holding regular monthly Engineering ZOOM meetings
- For leading the Interdepartmental Role Play & exclusively writing the moves
- For contributions from members regularly to the Engineering & Heimdal newsletter
- For members interest in SFA & taking & passing multiple SFA courses
- For having a representative on the Space Camp Committee and the Executive Committee
- Encourages interest & correspondence with other Starfleet chapter engineers & engineering departments
- Chief Engineer is also Regional Division Chief of Engineering where he holds regular ZOOM meetings & has breathed life back into the division
- Encourages teamwork within the department
- Supports the Heimdal & administration in all positive endeavors.
- Department Chief hosts half of all chapter ZOOM meetings as a ZOOM Coordinator
- Members canvasses remotely for the Heimdal Charity Auction and physically participate in the events

Linda S. Smith

Admiral Linda Smith
Captain - USS Heimdal



12-15-2023

Signed this Earthdate

"The Engineering Link" will not only detail Educational Records for courses completed by its Engineers via STARFLEET Academy, we will also make special note of any Awards received from the same.



CMDR William Walker Jr.
GOLD Boothby (150)
 Bridge Officer Certification Program
 - Chief Science Officer
 SD: 202311



Heimdal Engineers at Starfleet Academy : December 2023

CMDR William Walker, JR. (1 Award)
 SFA Awards

Awarded for BOCP - Chief Science Officer on Dec 13, 2023
 Awarded SFA GOLD (150) BOOTHBY on Dec 22, 2023

CMDR Zachary Lyon (1 Courses)

IOTK - College of Laser Technology
 DISTINCTION for COLT 105 - Lasers part 5 on Dec 15, 2023



The Bridge Officer Certification Program (BOCP) is a program for STARFLEET Officers who wish to qualify themselves as command-ready in the department of their choice. This opportunity is not one to be taken lightly. The BOCP was created for members of STARFLEET to become "certified" in their chapter department(s) as a command-level officer. --- It is awarded in the STARFLEET Database as an Academy award. --- This award is earned by successful completion of the program requirements. This involves earning credits in a specific set of courses from the STARFLEET Academy. You must complete and send in the application in order to earn the certification. You may certify in one or more of thirteen (13) different positions, ranging from Flight Control Officer to Commanding Officer. - Participation in this program is entirely voluntary, and is not required to hold any position in STARFLEET. For More specifics visit <https://es.sfi.org/academy/course/index.php?categoryid=30>

Boothby Award - Based on the number of successfully completed courses in both STARFLEET ACADEMY and STARFLEET MARINE CORPS ACADEMY. Program re-initiated in 2023.

SD: 202401 ZOOM COORDINATES

Heimdal Monthly Engineering Zoom

SD: 202401.15 ED: JANUARY 15TH, 2024 7:00 pm eastern – Normal Meeting*
 THIS SESSION IS FOR CURRENT HEIMDAL ENGINEERING DEPARTMENT MEMBERS
 Mark you calander - 3rd Monday each month Come join your Engineering team in a lively discussion about everything from TNG, WOK, Wolf 359, Strange New Worlds, Picard, SFA, Reports, Stories, Tools, Travel, Weather and more. It's lots of things folks, but BORING* IS NOT ONE OF THEM – Money Back Guarantee - Digitally – Face to Face – you may be surprised at how much fun it can be.

Meeting ID: 852 8421 7035 Passcode: antimatter

[Need help with the coordinates, test run, alternatives, email trek1793@millnernet.com](#)

Heimdal Monthly Chapter & Zoom

CO Linda Smith is inviting you to a scheduled Zoom meeting.

Topic: Heimdal 2024 Chili Fest! & Movie Night plus Zoom

Time: Jan 20, 2024 06:30 PM Eastern Time (US and Canada)

Join Zoom Meeting : [https://us02web.zoom.us/j/84697061651?](https://us02web.zoom.us/j/84697061651?pwd=bEt5TnpXSW1hN21MYnBUVTRSREJnZz09)

pwd=bEt5TnpXSW1hN21MYnBUVTRSREJnZz09

Meeting ID: 846 9706 1651 Passcode: GasMask

Region One – RDC Engineering – Open Session

R1 RDC Engineering Zoom ** Normally available to chapter Chief Engineers, Assistannd Cheif Engineers, and CO/XO's representing Engineering Divisions. This month will be open to "any and all R1 Engineers" that would like to sit in. 3rd Wednesday (17th JAN) come have a virtual scone and coffee with your fellow Engineers. ** Zoom Coordinates

Topic: R1 RDC Engineering Zoom- 3rd Wed 7 pm et

[https://us02web.zoom.us/j/81208591949?](https://us02web.zoom.us/j/81208591949?pwd=QmNxVTZWZWWhzQTNrVTJkYUYOTml4QT09)

pwd=QmNxVTZWZWWhzQTNrVTJkYUYOTml4QT09

Meeting ID: 812 0859 1949 Passcode: shuttlebay



STAR FLEET
 POSTAL
 SERVICE

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SD:202401 Issue #27

THE FEDERATION NEEDS YOU

N.C.C. - 1793

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COME EXPLORE OUR TEAM
VIRTUAL SCONES AND RAKTAJINO
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