



# THE ENGINEERING LINK

"ANVIL OF ASGARD"

ISSUE: #033  
SD: 202407

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



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

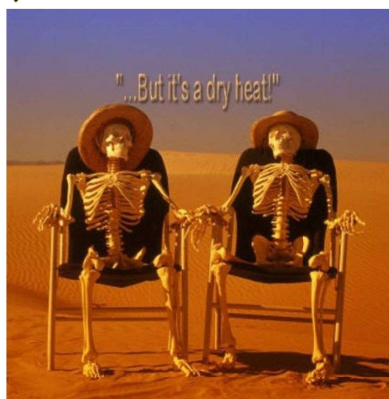


Welcome to the July 2024 edition of T.E.L. . -

Allow me to begin by raising my cup of hot coffee to the amazing team on Heimdal Engineers on staff that make this Chief Engineers world an amazing place to be. I was reminded while reviewing comm traffic (emails) how engaged the crew is, that even during times of personal and professional activities (you know LIFE) that they always come through and keep this department going. They certainly keep me on my toes.

This issue has been delayed by the CEO for so cover page shortcut.  
- Millner

## Engineers, because Starfleet Captains need heroes **too**



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### STARFLEET BY THE NUMBERS

As of SD:202406.25



### STARFLEET

- 5232 Members, 209 Chapters

### REGION 01

- 810 Members, 43 Chapters

USS HEIMDAL - 57

HEIMDAL ENGINEERING - 6\*

### Online Resources

Heimdal's Home Page

[ussheimdal.com](http://ussheimdal.com)

The Engineering Link

[trek.millnet.com/eng-link/](http://trek.millnet.com/eng-link/)

Region One / SFI Corp of ENG

[R1.SFI.org](http://R1.SFI.org) [coe.sfi.org/](http://coe.sfi.org/)

STARFLEET International

[SFI.org](http://SFI.org)

STARFLEET Academy

[es.sfi.org/academy/login/index.php](http://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



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

SD: 202406 - JUNE

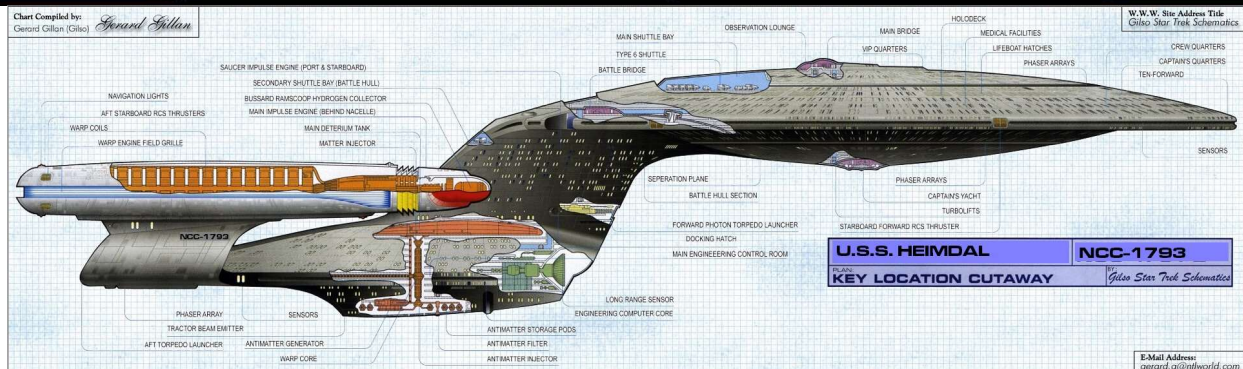
- 11 JULY - ROLE PLAY MEETING -
- 15 JULY - **ENGINEERING DEPARTMENTAL ZOOM**
- 20 JULY - HEIMDAL MONTHLY MEETING
- 25 JULY - SUBMISSIONS FOR THE ENGINEERING LINK
- 01 AUG - HEIMDAL NEWSLETTER SUBMISSIONS

02-85214

03-85412

04-85413

05-74125







SD: 2024\_\_ - 07:03 Monthly Engineering Report - CEO/FCAPT Darrell Millner

/Computer begin recording /

Status: In Question, Stardate: Unclear, I feel medicated – but yet **not** enough.... And as I force my eyes to open I realize “thats the ceiling panel I assured CMO White I would send a team to help with as soon as possible last week.... ‘Wait, I’m looking at the ceiling?’ off to my right I hear a voice stating ‘Doctor he’s coming around’ – “Well Chief Millner – how are we this evening” a voice ringing out with *way too much* energy. As I try to look in the right direction its clear my head is strapped down to the bed..... “Wait Wait Darrell, the cervical collar is keeping things together” .....

Ok folks, a *little drama lama* their, truth is about 6 days ago an ongoing neck issue of mine reared its ugly head / and demanded attention– putting me on my back (literally most of the time) not that that position provides much relief – and I have been completely out of commission. Really sad too because as much as I have tried to get to my console about 5-10 minutes a day is all I have been able to attempt, doubly so as the team had submitted *all reports and articles* ahead of the monthly deadline., So the CEO is completely responsible for the timing. Hopefully I can make up for it here.

Good news, all CEO items for the Heimdal's award winning "Rainbow Connection" were submitted on time, that's the Departmental Report, the ENG SFA updates, and the QOM (Question of the Month) which was regarding the chapters website "USSHEIMDAL.COM". Mind you I am behind on the R1 RDC ENG reporting and have 36 hours until it is late (which it has NOT been in two years since I took over the position – and will NOT be this month). Yes, my project, but representing Region One Engineering and Heimdal Engineering, is an honor I do not take lightly.

I do have a question, posing it here, and it will be a key part of our July Departmental session, “SEPT begins our 4<sup>th</sup> year of **The Engineering Link** since its relaunch in 2021. **Query, would the team be interested in doing a single MIRROR universe issue** or partial issue to both celebrate and break things up? We can work it completely from scratch or using elements from the current role play, reports might include “technical issues with the Agonizer booths?”, “Removing stains from control panels”, “personal defense routines”, and or “how to sleep with one eye open as a cadet”. Again, the question is “Query, would the team be interested in doing a single MIRROR universe issue” I look forward to your feedback at our zoom session on the 15<sup>th</sup> or email me / or the group.



Here's to a glorious July for us all.  
Cheers.

**Fleet Captain D. Millner, CEO  
USS Heimdal Chief Engineer  
R1 RDC of Engineering  
STARFLEET Marine Corps Reserves  
SFA Red Squad  
HAM: KQ4SUP**

"I would like to die on Mars.  
Just not on impact" - Elon Musk

[illegible]


**SD: 202406.26 - Monthly Engineering Report - LT Lyon Jody**

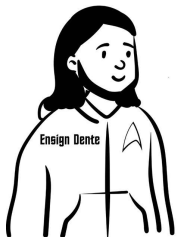
/begin/ This has been quite a month. My attention to Academy courses has had to take a back seat to my hands on education here on the Heimdal. Thank you for increasing my time in main engineering. I love my auxiliary assignments which have increased my familiarity with the crew and their off-duty needs, but the life in main engineering is really becoming my true heart. I love climbing the ladder to the second level and just standing looking down at the warp core and watching the crew calmly moving about and managing this powerful engine with respect and a skill level I truly aspire to achieve some day. I think I have mastered "monitoring" the systems and understanding when something is off. My supervisors have agreed. I know that they have requested that you approve my training in a position with a little more responsibility. I know it will be probationary and my move from primary support will be contingent upon how fast I learn. I understand that this is an awesome responsibility. I think I am ready.

Speaking to recognizing when something is off, just yesterday when I was at my post at the master systems console. I observed and reported a fluctuation in readings across the board. Just a flicker for a split second and then gone. But it continued. Just as the team was beginning to investigate, everything went wild. Consoles were shorting out and EM pulses were detected across the systems. It was crazy. I understand the whatever it was had been quickly contained, but a cause has not yet been determined. Ships' power was not interrupted the warp core stayed in peak operation. But the mystery is still there to be solved.

- Talk about surge...

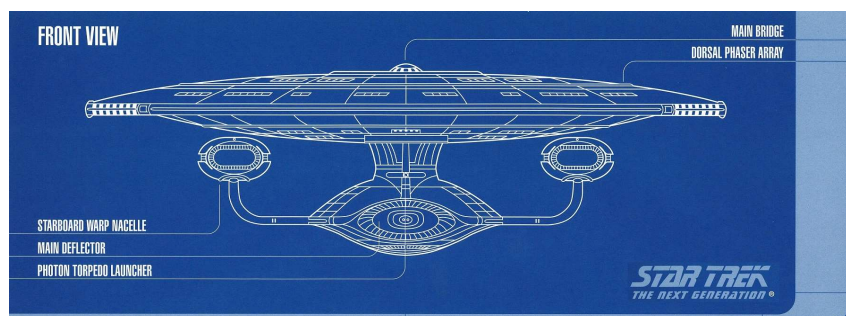
-Talk about getting more responsibility in dilithium    Awesome responsibility

-Increased understanding.    /end/


**SD: 202406.27 -Monthly Engineering Report  
- ENS Albert Dente (For CMDR Bud Walker)**


/Begin/ Captain, I am filing this report on behalf of Commander Walker, who is not present to do so. I have to say that I am not sure where the Commander is. Yesterday, two StarFleet officers wearing black badges come into Operations and they talked for several hours with Commander Walker in his office. Afterwards they all left together.

The re-calibration of all Bridge systems has been completed. The sequencing of sensor data logs continues, and I have made good progress on the backlog. All the system status boards are green, all maintenance crews are on schedule, and no repairs are in the queue. Not knowing what else the Commander puts in these reports, I do not know what else to include, sir. /end/



**SD: 202406.25 – Monthly Engineering Report – CMDR. Zak Lyon**

/begin/



This month started out rather quietly. Routine duties. Some fresh perspectives. And enjoying the ride.

Commander Walker recently spent time on the bridge conducting some system recalibrations while I was on the helm. It was wonderful to share a space with him while we each worked. I appreciated the opportunity to get to know him even better. He has such an interest in history and historical research and using his knowledge to begin conversation and for humorous reference. This interest is understandable, as he is still getting to know his “new” home a little better. The commander still has some things to learn, however. Due to no fault of his own and given his “upbringing,” Commander Walker does not understand the concept of buffer time. He sees being exact and not drawing attention to one’s self as an existential skill. This current recalibration work will actually take that week or two he indicated. I will direct him to some of the later writings of Captain Montgomery Scott in order for him to understand an engineer’s necessity to stretch the time needed to complete the task. We must keep up the “miracle worker” image. He is teaching me a lot as well. I think that because we both have quite unique backgrounds, we have found a connection. I am glad that he has found a home here on the Heimdal and that his crewmates are seeing all he has to offer. I hope he recognizes how very talented he is, (I am still amazed that his excellent choreography for our musical was his first time in such a role.) I must say this has to be one of the smoothest recalb jobs I’ve seen in quite a while.

As you are well aware, my foray into the Jefferies tube off the hub just outside Cetacean Ops did NOT go smoothly. After completing my bridge duty and heading for a bite to eat, I decided to stop by CetOps on the way. The officers were concerned about an issue with the mineral mixture and flow to the tanks and asked me to take a look at it. I noticed some of the readings were off. Not by much. I discussed it with Vinaya and the other officers. After putting our heads together, it was decided that I would do a diagnostic run on the system. It looked like something minor and easy to adjust. Basically a few functions simply needed to start playing nice with each other. A few adjustments. Just in and out. No problem. Well, climbing in was easy, getting out was another story. (I will take some time to gather my thoughts and submit a reflection of my time trapped in there.)

After completing my task and telling the Cetacean crew that everything was back to normal and they could return to duty, a pulse of some kind lit up the conduit with sparks and blue light running up and down the walls. My combadge buzzed out and gave up the ghost. The electric arc then hit my mobility pack and shorted that out as well. I checked the hatches and they were all sealed shut and the access panels were flickering and unresponsive.

98 minutes...

It felt a lot longer. Too much time to think...even for me. Whoever is monitoring these systems will be alerted soon, I thought. Little did I know that if an engineer hadn’t been working just below me, it might have been longer. Let’s just leave it with the sure knowledge that I thank the Great Bird of the Galaxy every day for my fellow engineers. There are some days when that means more than others. The crewman kept me engaged as he directed my extraction and kept me informed as to the investigation into the source of the random system surge.

It wasn’t long, well 98 minutes, until I was out. But if I hadn’t been able to engage the listening side of my nature, I feel like I wouldn’t have come through it as well as I did. It gave me a point of focus. And I have a new friend. Not bad for a days work. Meeting old friends and making a new one.

Now I just have to get to the mess hall!/end/

## Heimdal Engineers at Starfleet Academy

**FCPT Darrell Millner** [ 6 Courses, 0 Awards ]

### IOAE - College of Mythological Studies

DISTINCTION for EGY 101 - Egyptian Deities on Jun 1, 2024

DISTINCTION for CEL 101 - Celtic Deities on Jun 1, 2024

HONORS for CEL 201 - Irish Celtic Deities on Jun 1, 2024

### IOTK - STARFLEET Officers Radio School (IOST:SORS)

DISTINCTION for SORS 205 - CB, FRS, GMRS on May 27, 2024

### IOIS - College of US Historical Sites

DISTINCTION for AZHS 101 - Grand Canyon National Park on Jun 7, 2024

DISTINCTION for KSHS 101 - Fort Leavenworth on Jun 8, 2024

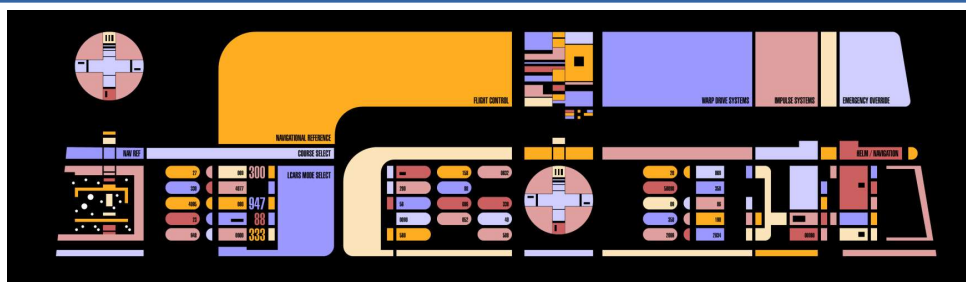
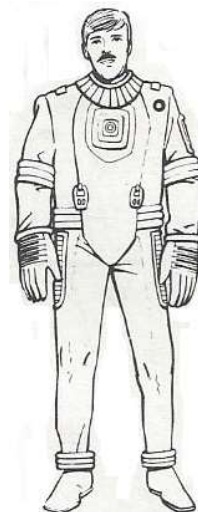
**CMDR Zachary Lyon** [ 3 Courses, 0 Awards ]

### IOSS - College of Spaceflight

HONORS for GEMI 101 Gemini 1 on Jun 10, 2024

HONORS for SKYL 104 Skylab III on Jun 10, 2024

HONORS for SKYL 105 Skylab IV on Jun 10, 2024



## ENGINEERING ARTICLES

### FILLING THE TANK

- Cmdr Zachary Lyon -

After the events described in my monthly report, I spent a lot of time thinking about the idea of being trapped, being helpless and ultimately returning to normal. For some reason I was compelled to get my feelings down. I decided to share my diary entry from that day.

Computer...Begin diary entry

Okay, here we go. I'm not sure where this entry is going to lead me. But I want to go there.

After adjusting the mineral flow in Tank D22 CetOps and getting ready to back out of the Jeffries tube, I encountered our mystery surge. It sealed the hatches. It caused the access panels to be unresponsive. The source of the pulse is still unknown. That's understandable. It was something different. I have been around surges like that one before. In the past such an event hasn't messed with my mobility pack even if it took down a lot of control panels around me. I'm at a loss. I need to know. But I am sure everyone now investigating will put everything they have into finding an answer.

<Next Page>



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**FILLING THE TANK (Continued)**

**- Cmdr Zachary Lyon -**

>>> The moment everything went out and I was in the dark, I had such a visceral reaction. A kind of gut level disorientation. I am not used to being so overwhelmed. Memories poured over me. Some of them I could see as if they were being told or shown to me. Some memories were not mine. But they were all related to being trapped, out of control, not being able to move...that brought up a deep fear. Memory and reality collided in a disturbing way.

After my recent shared experience with my "counterpart", I seem to have incorporated a few more fears into my being. I forced myself to think. I told myself: I need to think not feel right now. Move from memory to reality.

I kept telling myself: I know I can get out of this, heck, I have recently helped myself get out of a much worse situation than this. Right? But the fear was still there in the background. And I needed to push those feelings down. So, I listened. I heard a crewman whistling. I didn't know the tune, but I began to knock on the wall with the same rhythm. And as I had hoped, it was perceived as an "intelligent knocking." I heard a voice. "You have a great sense of rhythm. I didn't even know I was whistling."

I focused on the voice and answered. "What is the tune?"

The voice responded, "It is one of my Uncle's famous arias. I can't remember the name."

"It's nice."

"I'm glad. Some don't like its style, as singers sing between the keys."

As my tank started refilling with hope, I explained my situation and was assured that I would be out soon. But it was the continuing conversation between myself and my rescuer that finally pushed the fear out of awareness. I learned his name was Albert Dente. I grinned when I heard it. He was an Alpha Centaurian. His mother's side were all performers in the Alpha Centauri Regional Opera Company and had been for generations. His mother had married a world class chef and left the family business for new opportunities.

I didn't speak. I could hear Lt. Dente and his team working, but he kept talking...telling me stories. I was completely out of myself. I learned he went to the University of Alpha Centauri for a time majoring in Acoustic Science and Physics before moving to Star Fleet Academy. He spoke of taking his father's surname, a choice children make in his society, to avoid being recognized as a member of such a renowned family. However, I listened and heard his pride in his mother's talented family. His father's side is from the original earth colonist community which originated from the Earth's Tuscany region. Dente spoke of working with Commander Walker and enjoying his assignment. And like that I was out.

It was only 98 minutes. Could it have been only that? So much happened. Those first minutes felt like a whole day. The last minutes flew by, and I relaxed and listened.

As I was pulled out, I spotted my chair. Lt. Dente smiled. I noticed his long hair as he noticed mine. We nodded, recognizing our "brotherhood."

"I feel like I have known you for a long time, glad to meet you." I offered him my hand.

"I gave you way more information about myself than I have ever given anyone. I felt like you were focused on my stories."

He was correct. My tank now filled with more positive thoughts and feelings, I thanked the team and headed off for a bite to eat with my new, long-time friend. And I took the opportunity to share a few of my more unique stories.



50 YEARS OF STARFLEET - International Conference 2024

AUGUST 2ND - 4TH 2024

Atlanta, Georgia USA

DoubleTree by Hilton Hotel

Atlanta Airport

<https://icreg.sfi.org/>



### STARFLEET REGION ONE UPDATES LOGO

In accordance with STARFLEET INTERNATIONAL initiatives Region One has modified its logo. Excitingly the modification complemented our established design, and in this writers perspective, I agree it does enhance



RDC Public Page updates links etc

R1 RDC Program Public Q&A

<https://www.facebook.com/groups/619216720277414>

Per the Facebook Page description: "This is a page that has most, or all of our Region One Division Division Chiefs present for the purpose of answering any questions with regards to the RDC program."



### REGION ONE - RDC OF ENGINEERING UPDATES

Focused on chapter CEO's, Asst CEO's, and or stand in representatives for chapter Engineering. Third Wednesday of each month, see website for more details.

<https://r1.sfi.org/engineering/>



FCAPT Millner & DIR Leopard



## SD: 202407 ZOOM COORDINATES

### Heimdal Monthly Engineering Zoom

SD: 202407.15 ED: JULY 15TH, 2024 7:00 pm eastern – \*Normalish Meeting\*  
FOR CURRENT HEIMDAL ENGINEERING DEPARTMENT MEMBERS

Mark you calendar - 3<sup>rd</sup> Monday each month come join your Engineering team in a lively discussion about anything Heimdal, STAR TREK, and beyond.

**Meeting ID: 852 8421 7035 Passcode: antimatter**



Reminder achieves of the "The Engineering Link" <https://trek.millnernet.com/home/eng-link/>  
Heimdal's Newsletter "Rainbow Connection" <https://www.ussheimdal.com/rainbow-connection-newsletter>  
Interdepartmental Role Play Recap: <https://www.ussheimdal.com/roleplay>  
Region One Regional Department Chief of Engineering Program: <https://r1.sfi.org/engineering/>  
STARFLEET ACADEMY : <https://es.sfi.org/academy/login/index.php>  
MorseCode.World



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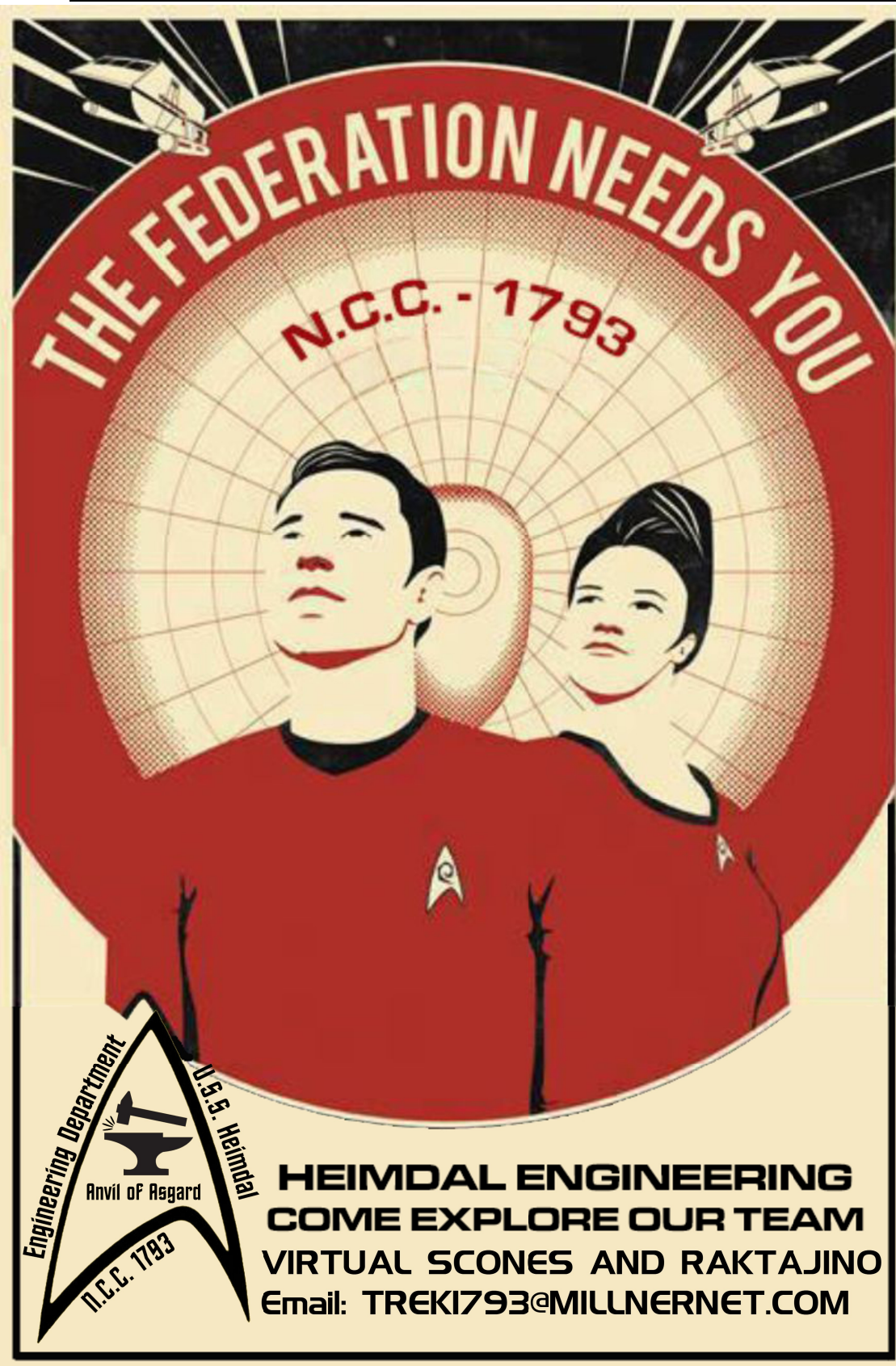
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SD:202407 Issue #33

## JOIN THE ENGINEERING TEAM - STARSHIP USS HEIMDAL 10



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[www.ussheimdal.com/enlist](http://www.ussheimdal.com/enlist)