



THE ENGINEERING LINK

"Engineers are Warped"

ISSUE: #020
SD: 202306.01



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



*T'nar pak sorat y'rani' Engineering Team of the USS Heimdal NCC-1793 – Region 01

Welcome to the June edition of The Engineering Link.

As always thank you for taking time to explore the Engineering activities of the USS Heimdal NCC-1793. Our vessel was founded in 1984 initially as a Constitution Class refit, after being a shuttlecraft of the then USS Jamestown NCC-1843 of Virginia Beach, Virginia. Then in the early 90's we officially changed our blueprints with SFI to Galaxy Class and there we have been for the past 30+ years. Our STAR TREK alternate reality is in the last part of The Next Generation / DS9 time frame just prior the Dominion War and there we hold in temporal flux (so to speak).

For those new to the mix or Heimdal members wondering "what is it about this simple Engineering Department that has the comm lines buzzing" allow me to share some of what is going on. First please note, there are "NO REQUIREMENTS" as a Heimdal Engineer only opportunities. Several members of our team have been with us for decades, you may or may not see them at the occasional monthly live meeting in Amherst VA., On board you'd likely see them slipping into the Shuttlebay observation room – grab a scone and cup of coffee – and head back down the corridor. We provide avenues of expression via our award winning newsletter, participate in our monthly reporting program, encouragement and support to participate in STARFLEET Academy, Zoom sessions specifically for the department, as Chief Engineer I* zoom host many of the monthly chapter meetings providing access for our remote members (* in conjunction with our chapters Chief Chaplin). We have departmental chapter website** (yes needs some work), but also we have a core group of Engineers that 'rock' in performance and are very active. In addition to taking full advantage of the above mentioned options this group leads the pack helping with the chapters monthly award winning newsletter The Rainbow Connection, takes point on the chapters 'Interdepartmental Role Play Scenario', and so much more. Our members range in distance from Scotland, to Central Georgia, from Northern Virginia, to Lynchburg VA and the surrounding area. We are lots of things, BORED is NOT one of them.

All with an interest in STAR TREK And Engineering are Welcome....

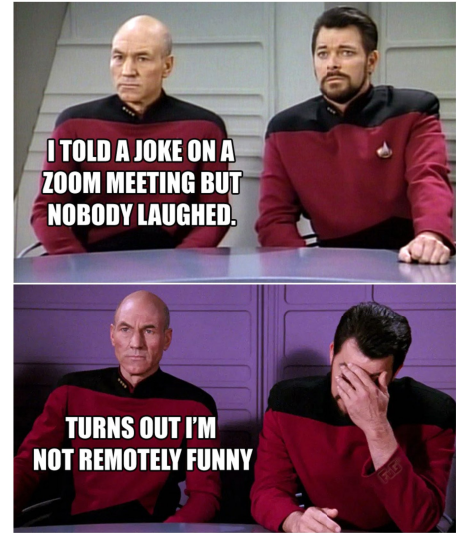


FCAPT. Darrell Millner, CEO
USS Heimdal –R1 -Delta-Sector
R1 RDC of Engineering

R1 Officer of the Year 2021
R1 RDC of the Year 2022

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

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



Courtesy of FB: Star Trek Memes



STARFLEET BY THE NUMBERS

As of SD 202305.30

STARFLEET

- 5546 Members, 222 Chapters

REGION 01

- 956 Members, 44 Chapters

USS HEIMDAL - 56

HEIMDAL ENGINEERING - 7

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* Articles



Online Resources

Heimdal's Home Page
ussheimdal.com

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

Region One

R1.SFI.org

STARFLEET International

SFI.org

STARFLEET Academy

es.sfi.org/academy/my/



FCAPT Darrell Millner
CHIEF ENGINEER



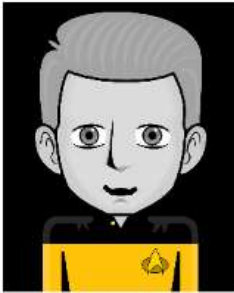
CMDR Dennis Henderson
Sr. Engineering Officer
Shuttlebay Chief/ Advisor



ENS Larry Whately
Duty Engineer
Quartermaster (Sr)



PO3 Gary Burley
Maintenance Engineer
Ship Fitter



Come Join Our Team



Come Join Our Team



CMDR Zak Lyon
Helm Officer
Technology Specialist



ENS Jody Lyon
Dilithium Maintance
Chief Recreation Officer



CMDR Bud Walker
Navigator
Quartermaster 2

202305.0

2023 - JUNE

- 08 IRP - ROLE PLAY MEETING
- 17 HEIMDAL MONTHLY MEETING - HOBBY TIME *
- 19 ENGINEERING ZOOM
- 25 REPORTING & ARTICLES DUE
FOR THE ENGINEERING LINK
- 01 JULY - RAINCON SUBMISSIONS DUE **

See Details RainCon *
Subject to Change **

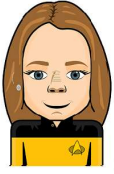
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03-85412

04-85413

05-74125

From the USS Heimdal Engineering Team



SD 202305.25. – Monthly Engineering Report – Ensign Lyon Jody



Sir,
I have little to report this month. It was kind of two steps forward, one step back at first. And then, just steps back for a while.

The month started out promising. Thank you for approving my shore leave. I spent time with family I had not seen for some time enjoying food, games and a bit of travel. We attended several music festivals on different worlds. We had a great time. When I returned to the ship, I was feeling a bit sluggish, but it quickly turned to something nasty. A viral infection had hit me hard. Medical had plenty of treatments lined up which should have knocked it out in no time. But by the prophets, I turned out to have a negative reaction to each protocol. So, it was just rest and fluids for the last two weeks.

I am glad to report that I am ready to return to duty. Extremely ready. I request that you be aggressive with your assignments for me. I really need some professional stimulation! And some interaction with crew. Looking forward to a productive month.



SD: 202305.25 – Monthly Engineering Report

– Lt. Cmdr. Zak Lyon



Sir,

My thanks to you for the encouragement I received regarding the Bridge Officer Examination process. I appreciated this opportunity to become a greater asset when stationed on the bridge. I also appreciated the opportunity to get to know XO Smith, who handled my testing, a little better.

As I am sure you are aware, I received my Bridge Officer Certification in the areas of Flight Control and Chief Engineering which also included a Command School course. Not that I am interested in command as a career, but only in being a more valuable resource to my department and ship. I hope I can live up to this added responsibility.

Prior to this, I had not spent a great deal of time thinking about what it would be like to be “in charge,” to have a team under me, and to make split second decisions. To have to go with your gut as well as with your training. And to live with your decisions. Having completed this training, I have a much greater understanding of the mantle of command. If I learned nothing else, when in command one can listen all he wants, negotiate, compromise, etc., but ultimately can't pass the buck. What does a male deer have to do with being at the top? I never understood that expression, but the sentiment is clear.

My training and testing was the highlight of my month - other duty was routine. I even got a little shore leave in. Again, thank you for your encouragement. I have also made it my priority to ensure that everyone onboard who encouraged me knows how much it meant. I plan to throw a holo-vid party next week. Hope you can drop by.

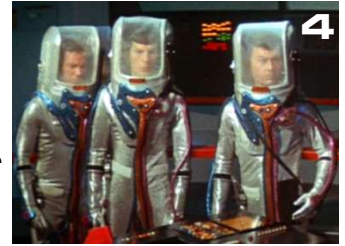
Cmdr. Zak Lyon
USS Heimdal NCC-1793
Engineering Dept.

Aside: The report is written in-universe as if I was a candidate for an intensive practical examination process while on the Heimdal. I want to ensure that readers know how grateful I am for Darrell and the rest of the Engineering Department for their support in pursuing these SFI Starfleet Academy certificates.

Engineering Reports



SD: 202305.21 - Monthly Engineering Report - CMDR Bud Walker



/begin/

Having completed my special projects for the CO, I have now resumed my efforts with StarFleet Academy. I have completed several courses and will forward this month's transcript to you at the end of the month. Unfortunately, there has been a delay in the grading of some of classes I took for the Communications Officer Certification, that I mentioned in my last report. Since the delay is on the Academy end, there is nothing I can do about it. In the meantime, I am exploring pursuing certification as a Weapons Officer and Tactical Officer.

Captain, let me update on my independent investigation on the crew quarters on the lower deck.

Crewman Hooper and I entered room 3825 cautiously. I kept my eyes forward but extended my left hand to the control pad just inside the doorway. I activated the room lights, and they came on instantly. I then extended my right hand, holding the medical tricorder and pointed it toward the wall opposite the door. Hooper glanced at me and did the same with his science tricorder. I nodded and we both activated our instruments at the same time. The familiar sound of the two tricorder scanners sounded louder than usual, probably due to the quiet in the room and my nervousness.

After only a few seconds, Hooper spoke up, "Commander, I am getting something near the primary plasma conduit in the wall."

I was getting nothing on my tricorder.

"Billy, narrow the scan focus on the conduit and cycle through the energy bands," I said.

Billy adjusted his tricorder with one hand as he held it up with the other. His face showed his concentration for several seconds and then his eyebrows went up.

"I am detecting an energy residual on the conduit, but the tricorder cannot seem to lock onto it."

That gave me an idea, so I focused my tricorder on the conduit and readjusted the scanner to detect plasma energy as opposed to life energy. Sure enough, I got a strong "ping" on my display. Then the word "anaphasic signature" popped up at the bottom of my display. I turned to tell Hopper this when the lights in the room began to flicker and a green cloudy form issued out from the seam in the wall. I could hear Billy gasp and he dropped his tricorder. I steeled myself against the coming fear that I knew was coming. The form seemed to hover in the middle of the room and Billy backed up, tripping over a chair and falling to the floor.

I closed my eyes and began to still my thoughts and regulate my breathing. I imagined the fear to be electrical impulses racing along my nerves, moving through my body and to my brain. I then visualized the pulses slowing and losing energy, becoming ever smaller. After a few seconds of this mental exercise, I reopened my eyes. My fear was still present but much less powerful and removed from my immediate attention, much like an uncomfortable itch. Unpleasant but able to be ignored.

That is when I heard a voice. "Interesting, you seem to be more resistant to my energies than before."

The green cloud began to move and coalesce into a humanoid shape. Within a moment, what looked like a man stood in front of me.

"Who are you?" I challenged.

The man seemed to think for a second then responded, "Travis. I have gone by the name, Travis."

- Monthly Engineering Report - CMDR Bud Walker (Continues)

"Well, ummmm 'Travis,' I need to know what you are doing on this ship."

Travis responded, "I have been trapped here for some time. I have been waiting for a suitable receptacle so that I could continue my journey."

"I am not sure I understand all that," I replied, "but your presence here will have activated internal security sensors. This ship's security personnel will be here momentarily, so I suggest you start explaining ... quickly!"

Travis leaned his head back and laughed.

"The systems in your ship are so easily manipulated. I have kept my presence in this room invisible for over a year now! You and your companion are quite alone. So very alone."

Captain, I will need to complete this narrative in my next report.

/end/

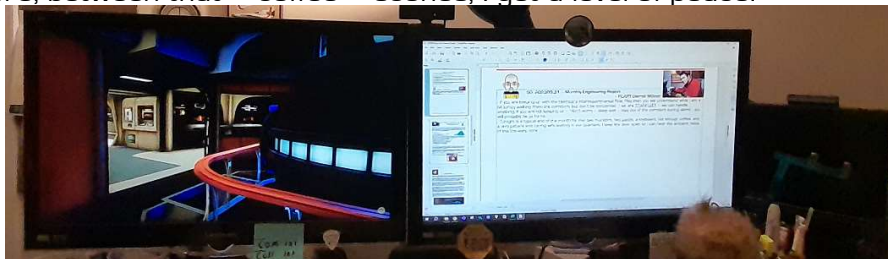


SD: 202305.31 - Monthly Engineering Report - FCAPT Darrell Millner



If you are keeping up with the Heimdal's Interdepartmental Role Play then you will understand while I am a bit jumpy walking down the corridors, but don't be concerned - we are STARFLEET - we can handle anything. If you are not keeping up - "don't worry - sleep well - stay out of the corridors during alerts", you will probably be ok ha ha.

Tonight is a typical end of the month for me; two monitors, two pads, a keyboard, not enough coffee, and a very patient and caring wife waiting in our quarters. I keep the door open so I can hear the ambient noise of the the warp core, between that - coffee - scones, I get a level of peace.



Looking over this months reports, status updates, and articles I sit back and smile. Last month CMDR Z. Lyon hit Bride Officer Certifications in Chief Engineering and Flight Control. I see that CMDR W.Walker, like myself, just completed SFA COM 101 which tells me we are both on track for Bride Officer Certifications in Communications, hummm I need to look up how close we both are to completing them all. Walker and Lyon really keep me on my toes especially on this SFA journey. Glad to see medical sent a note stating Ens. Lyon is ready to return to shift, that bug she caught was harsh, hope she doesn't mind me keeping my distance for a bit. Also spoke with CMDR Henderson in the turbo lift yesterday, good to see him in better spirits, hope it leads to more attendance at the staff meetings, really value his input. Speaking of input, Ens. Whately stopped me to ask about some projects hes been working on - think I should have coffee with him some morning as he works the night shift - need to catch up. Speaking of night shift, PO3 Burley has been much more quiet than usual, looks like I need to switch my shift for a few weeks and reconnect with the night team.

It's time to gear up on recruitment efforts too. Glad to see our recruitment officer, website admins, and executive committee are focusing on this area and the materials they are working on will be a great asset as we reach out and expand not only from a chapter perspective but from a departmental side. But materials or not, it starts with that catch in our seat, you know the one, that keeps us from getting out and expanding our influence. Yep its a "Strange New World" out there, time to engage....



Do you know the Engineer next to you? Something About Me

Bajoran Engineer Ensign Lyon Jody



As Zak said in one of his articles, when you join Starfleet you have two identities. Your 21st century one and your 24th century one. Each of these is allowed to grow due to your association with the club and with the ship. If you have followed the Engineering Link and/or the Interdepartmental Role Play stories, you should know a few things about my 24th century persona. But you might know less about how I got to be the 21st century me. When Captain Millner suggested that we write a little about ourselves, I thought "what a great idea for those of us who are geographically separated."

First some facts about me:

- I'm a baby boomer.
- I was born in Virginia and have lived here my whole life.
- I was raised in Northern Virginia.
- I was a very shy child – if you can believe that.
- I graduated from VPI. I was in the first class of women admitted to undergraduate school.
- I have not had a life career but have had more jobs than I can remember. Often two or three jobs at a time. Some of the more interesting were Parole Officer, Quality Control (I was "Inspector #23), Family Advocacy, Construction – punch out, Administration support for a syndicated comic strip.
- I was a teacher for 17 years before retiring in 2018.
- I have been a volunteer, mostly working with children and theater.
- I love animals. My favorite is a rhino.
- I love history – studying it, teaching it and listening to lectures.
- I love gardening and photography. And combining the two.
- I enjoy experimenting in the kitchen – baking and cooking.
- I love organization but am rarely organized.
- I have been told that I am not a slave to fashion.



Now a more general look:

1969. I looked forward to starting college. And finding new friends who had similar passions. At that time, it was Star Trek and The Beatles. Everything was good. 1969. The Beatles were together for the last time. And Star Trek was canceled. The draft was on. Our environment was suffering. Would anything ever be the same again? What a time to enter adulthood!

2023. The environment is so much better. Selective service is in name only. The Beatles are eternal with young people just as into their music as I was. Star Trek is stronger than ever - reaching out to all kinds of people and various tastes, while maintaining positive, optimistic storylines. And I am a member of the USS Heimdal. What a great time to be alive!

Since 1969, a lot has changed and not much has changed. I guess a good way to describe me is "still a fangirl."

Hope this helps you know me a little better.



***"Wait,
What happens if I
push this button?"***



Light of Knowledge El-Aurian Observations by Zak Lyons

As someone who is aware of history, I know we stand on the shoulders of giants. But it is something different to meet them in the photons. For the last couple of months, I have been engaged in training and testing for bridge officer examination. And I have come face to face with some of those giants.

These holodeck simulation exams are programmed by the XO specifically for the candidate. Although I still don't know why, I keep finding myself on the original Enterprise, Constitution Class. I mean, I know they had some great adventures, but as far as I am aware, the galaxy hands those out freely. But the XO has his reasons. An interesting choice right before this important elevation in my responsibilities on the Heimdal. I have to tell you - it was a nice-looking bridge. Shiny and new. Not the way I had imagined it.

As I got into the training, I felt like I was Ebenezer Scrooge from that old ghost story. Learning lessons from conn officers and engineers of the past. But in this case, it was my reasoning, not morality, being challenged. And let me say some situations can come up that can truly test one's mettle. Like that whole business with Ortegas and the asteroid belt. I don't know what I would have done, but it is good to struggle with the question. Strictly in a theoretical sense. The holodeck does a good job making everything feel real, but you can always say "end program."

Of course, knowing that I was on a parallel track, this exam took me to the engineering section of the Enterprise. Each engineer I met had a unique approach to problem solving. And by the Great Bird, there were a lot of engineers to go through. It seems as if there was a period where the Enterprise went through chiefs rather quickly. Montgomery Scott stayed for a while, but he seemed like he was bucking a trend. Upjohn was open and welcoming, easy to learn from. But Hemmer was so different - quiet and focused, yet challenging - an engineering genius (his words.) And Pelia. What can I say? I got so intrigued that I added training modules on LaForge and O'Brien even though they weren't required. I wondered if there was some common thread I could learn.

Maybe they all taught me that engineers of any position understand a certain language. Because, sure, a truthful and meaningful argument could be made that the whole crew makes up the beating heart of the ship. But we, as engineers, are the ones who actually get to hear it. As one of those holographic visitors from the past told me, we are here to fix what is broken. Not just in the ship, as a structure, but to paraphrase an ancient proverb "to do all the good we can in all the ways we can whenever the word is given".





Heimdal Engineers at Starfleet Academy : MAY 2023

CMDR William Walker Jr: (17 Courses, 0 Awards)

SFA

IOAE - College of Communications

COM 101 - Interspecies Interaction HONORS 05/09/2023

IOIE - College of Bond, James Bond (CBBJ)

BBJ 101 - Dr. No HONORS 05/17/2023

BBJ 102 - From Russia With Love DISTINCTION 05/19/2023

BBJ 103 - Goldfinger DISTINCTION 05/26/2023

BBJ 104 - Thunderball HONORS 05/26/2023

IOIE - College of Military Intelligence (CMI)

MIH 101 - Military Intelligence History DISTINCTION 05/21/2023

MIH 102 - Surveillance Aircraft Pt. 1 DISTINCTION for 05/25/2023

IOIE - School of Espionage(SOE)

SOE 102 - Counter Espionage DISTINCTION 05/08/2023

SOE 103 Escape and Evasion HONORS 05/24/2023

IOMOS - COAA - School of Arms

WPN 101 - Small Arms Identification Pt. 1 DISTINCTION 05/10/2023

WPN 102 - Small Arms Identification Pt. 2 DISTINCTION 05/17/2023

WPN 103 - Small Arms Identification Pt. 3 DISTINCTION 05/17/2023

WPN 104 - Ammunition Identification DISTINCTION 05/19/2023

WPN 105a - Hand Grenades Pt 1 DISTINCTION 05/23/2023

WPN 105b - Hand Grenades Pt 2 DISTINCTION 05/23/2023

IOSTS - College of Security in Trek

IOMS CST 004 Sec. Chief- Chief of Security Section DISTINCTION 05/17/2023

IOMS CST 005 Security Clearances DISTINCTION 05/23/2023

FCAPT Darrell Millner (11 Courses, 0 Awards)

SFA

IOAE - College of Communications

COM 101 - Interspecies Interaction DISTINCTION 05/30/2023

IOSS - College of Orbital Mechanics

COOM 101 Laws of Motion and orbits DISTINCTION 05/19/2023

COOM 102 Obtaining an Orbit HONORS 05/22/2023

COOM 103 Types of Orbits part 1 DISTINCTION 05/22/2023

IOSS - College of Astronomy

AST 101 - The Rocky Planets DISTINCTION 05/23/2023

AST 102 - The Gas Giants DISTINCTION 05/23/2023

AST 103 - The Dwarf Planets HONORS 05/25/2023

IOSS - College of Rocketry and Propulsion

COR 101 HISTORY DISTINCTION 05/20/2023

COR 102 BACKGROUND AND APPLICATION DISTINCTION 05/25/2023

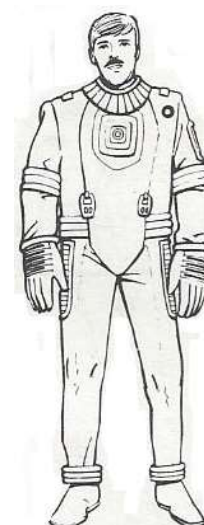
IOSS - School of Planetary Identification & Discovery

SPID 106 - A Planet Pt 4 HONORS 05/13/2023

STARFLEET Marine Corp Academy

Combat Engineer (CE)

CE-201 Combat Engineer Advanced Course PASS 05/08/2023



“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 “Bud” Walker, Jr.



Awarded for Boothby 0050 – Dennis Rayburn Boothby [] from the School of SFA Awards completed on May 31, 2023



“HEIMDAL ENGINEERING”



**Chief Engineer Millner
- Awarded STARFLEET Region One Commendation -**

IN RECOGNITION OF THE FOLLOWING:

For doing an EXEMPLARY job as Chief Engineer. For serving on the Executive Committee & the Space Camp Committee. For helping make decisions for the chapter about events & meetings that made them fun & successful. For producing an Engineering Dept. newsletter & writing articles for it. For updating the Engineering Dept. web page
Darrell Millner OF THE USS HEIMDAL

Demonstrating extraordinary performance of duty Is hereby awarded the **STARFLEET REGION ONE COMMENDATION** - STARDATE: 202304.17



“I would like to take a moment to say that I am honored and humbled by this additional recognition. I am where I am based on the solid example of CO Linda Smith, my amazing Engineering team, the former R1 VRC, and my determination to make a difference here on the USS Heimdall and in Region One.

I would like to offer a special thank you to RC BGN Phillip M Cox III, Awards Director Admiral Pamela Michaud, and the support staff.”

Respectfully,
FCAPT Darrell W. Millner, CEO
USS Heimdall NCC-1793



SFI / Region 01 / USS Heimdal Quadrant Updates

USS Heimdal : USS Heimdal Science Fiction Star Trek Collectible Auction was held 13 May and though not on scale with our annual charity auction people at and after the event have gotten some amazing items. Watch your email as XO Willy Smith has sent out notifications regarding final items available for purchase. Excellent zoom session on 27 May “TREK Trivia Night” and what a tight score it was. Remember to keep up with the RainCon and the upcoming Phaser Sim (Paintball) session at Security Chief Davis’s mountain side retreat, Heimdals 17JUNE monthly meeting will feature Members Hobbies... see RainCon for details.

SFA / SFMCA – STARFLEET Academy : Engineering continues to set the pace for the Heimdal regarding Academy courses (28 in May), awards, recognition, etc. Keep the standards high and encourage your fellow crew members through out the ship. When you are in the mess hall, in the turbo lift, at your station, engage in conversation (when appropriate) and uplift one another.

Region One: Rebuilding the primary website R1.SFI.org with an LCARS theme and a slightly different direction. Hats off to the team. Keep an eye out for more updates soon.

STARFLEET International : Work continues on SFI.org check out some of the updates, and keep an eye out for the “Command Status Report” from Fleet Admiral David Nottage. Providing the updates we should all expect from leadership. He has been out traveling the world reminding us all –it is STARFLEET **International**

Heimdal Monthly Engineering Zoom

This Month Hold on to those Coordinates

SD: 202306.19 ED: **JUNE 19, 2023** 7:00 pm eastern – Normal Meeting

Zoom coordinates were sent out via email on 18SEPT and will be the same for the foreseeable future.

3rd Monday each month Come join your Engineering team in a lively discussion about everything from Strange New Worlds, Picard, SFA, Reports, Stories, Tools, Auto Repair, 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. [Need the coordinates resent, email trek1793@millnernet.com](mailto:trek1793@millnernet.com)

If you have scheduling or technical challenges, reach out too!! Come on folks – we need you!



STAR TREK Trivia Anyone?

The alternate future Olympic class vessel (such as the USS Pasteur shown in the Next Generation episode "All Good Things...") shares similar design elements to which early starship class?

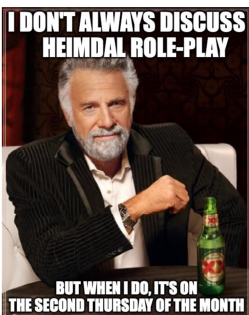
Last Month: ST:ENT : S1 EP16 "Shuttlepod One"

What makes Reed and Trip believe that the Enterprise has been destroyed?

Answer: They find debris on an asteroid positively identified as part of the Enterprise



I suggest this is a great watch for ALL members of STARFLEET, especially ENGINEERS. <https://www.paramountplus.com/shows/video/X5VnHZbZ6ciyYGL10ad0aD0T56uplb9h/> Only 15 minutes - and wow my Star Trek scrambled brain



Special thanks to this months contributors
Some with inspiration, art, reports, articles and more
- B. Walker, J. Lyon, Z. Lyon, K. Whately, D. Millner
Please note, corrections and additions are always welcome



STAR FLEET

POSTAL SERVICE

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