

Inside The Rock

Ark Angel Station Newsletter

Vol VII_Edition 8 - Oct 2017



**Happy Hermit Day and Happy Halloween Ark
Angel Station!**

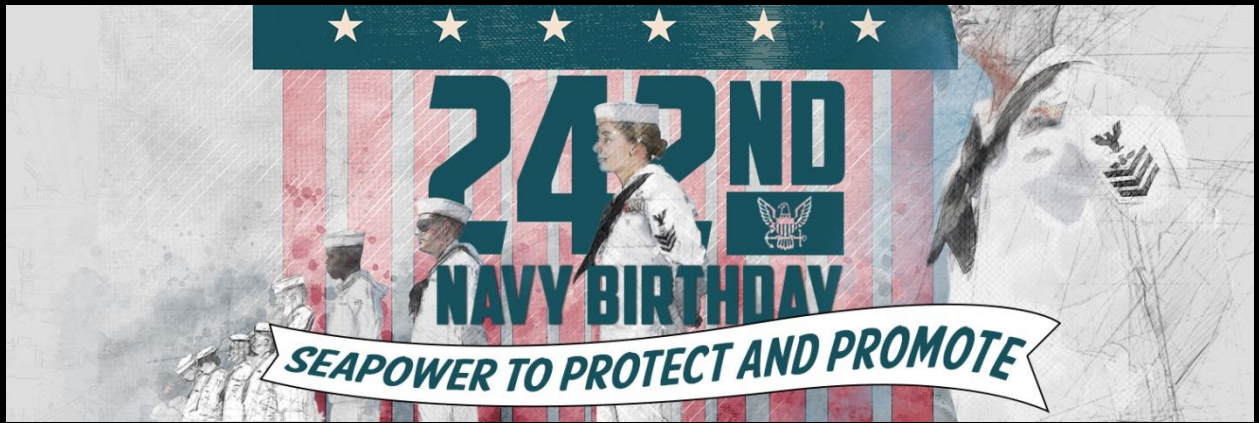
Adopt a Shelter Dog Month

<http://holidayinsights.com/moreholidays/october.htm>



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From the CO's Desk,

My father passed away on the 26th, this was both expected but not expected so soon. It has been hard on me, more so than I thought it would be.

Well, that's it for now.

Commanding Officer Ark Angel Station,

FCAPT Lloyd Bates



From the Comm Station,

Greetings,

Theme for next month's newsletter is "Your favorite Star Trek experience that you have had or would like to have?"

Happy Halloween, Take advantage of the holiday to show up the pretenders. Happy Birthday United States Navy.

Any ideas for a newsletter theme email your Com officer.

Check out the holiday site for all your favorite unknown holidays (link on title page).

Communication Officer Ark Angel Station,

LCDR Mike Brown

commo@arkangelstation.com





RICK MARIN 12

Q Conundrum

Oh, what are you gonna do?



PLUNGE me to death?

RULES:

- 1) This is a fun trivia game on all things Star Trek so have fun or Worf will have a talk with you.
- 2) Use of the internet, printed material, or any references to find the answer is not allowed! In other words either you know it or you don't **No cheating**. We're on the Honor System.
- 3) One point for each question answered correctly.
- 4) No points lost or gained for incorrectly answered questions.
- 5) Questions for any quiz in the same calendar year as that quiz can be answered until the answers are published in the newsletter but only one answer per person per question.
- 6) One point awarded each month for an article turned in on that month's newsletter theme.
- 7) Ten to twenty questions each month for twelve months.
- 8) Judge's decisions are final (Com officer is the judge)!
- 9) Send your answers to Comm Officer. commo@arkangelstation.com
- 10) Open to all Ark Angel Station Crew and Staff.
- 11) Prize is bragging rights for the next year.
- 12) Failure to follow these rules will result in Assimilation.

Questions:

- 1) What happened to the EMH Doctor in the 'Voyager' episode 'Future's End II'?
 - a) He was tortured
 - b) He became Human
 - c) He was projected into space
 - d) He was decompiled
- 2) What is Beverly Crusher's maiden name?
 - a) Howard
 - b) Jackson
 - c) Jones
 - d) Harvard
- 3) Which 'Voyager' episode brings Neelix face-to-face with the 'destroyer' of his world?
 - a) Jetrel
 - b) Gravity
 - c) The Thaw
 - d) Rise
- 4) What is Seven of Nine's parents' space craft?
 - a) The Raven
 - b) The Falcon
 - c) The Eagle
 - d) The Bluejay
- 5) What does the 'T' stand for in James T Kirk?

- 6) Which 'Voyager' crew member was pregnant during 'The Killing Game'?
 - a) Seven
 - b) Kes
 - c) Janeway
 - d) B'Elanna

- 7) Which crew member asked Geordi to be his best man?
 - a) Worf
 - b) Data
 - c) Picard
 - d) O'Brien

- 8) Is Captain Picard's favorite hot beverage earl grey tea?
 - a) Yes
 - b) No
- 9) What does Neelix sing to Tuvok to cheer him up in the episode 'Tuvix'?
 - a) An Ocampo lullabye
 - b) A Klingon drinking song
 - c) A Talaxian marriage song
 - d) A Vulcan funeral dirge
- 10) Which actor played the young Picard in the episode 'Tapestry'?
 - a) Marcus Nash
 - b) John Simm
 - c) John Nash
 - d) Jack Hunter





Science Corner,

Ark Angel Station, Sciences Report

Over the last few years we have watched, in awe, as our commercial rocket industry has burgeoned into a mainstream player in the orbital launch services market. The road to success for these companies has come at a significant cost in time, money and the occasional unplanned rapid disassembly.

“No boom today. Tomorrow... there is always a boom tomorrow!”

Ivanova, B5

The many trials, experiments and a laser-like focus on the goal of achieving success in this industry has brought us the (now under construction) Blue Origins' New Glenn rocket and the Falcon 5, Block 5 (released later this year). These two rockets are designed to deliver up to 23 thousand pounds of payload to low earth orbit (around 10 thousand to Geostationary Transfer Orbit). They do this (or will do this) at a price that is far below the previous no-bid lowest orbital services provider (United Launch Services) because they have followed a path of reuse of some of the rocket components - like the first stage and the capsule and possibly the fairings and second stage. The most recent Falcon 9 launch was of the first fully reused first stage, which delivered the SES 10 satellite to a geostationary transfer orbit and then landed (a second time) on a mobile landing ship in the ocean. Blue Origins' New Glenn is expected to make its' first landing attempt in (3) years time and will support a higher payload to low earth orbit (45,000 pounds).

In the very near future we will see the launch of a new Falcon Heavy, which is a 3 core version of the Falcon 9. Look for this around September of this year. This craft should be able to loft 120 thousand pounds and will land all three cores (two in the ocean, one back at launch point). The second stage is expected to make an attempt to land for reuse and the fairings for whatever the payload is are also going to be recovered (OK, there will be an attempt to recover them!).

So, what is NASA doing all this time?

NASA continues to pour resources into the SLS (Space Launch System) rocket. Unfortunately, the next attempt at a launch has been delayed until 2019. When it is complete, however, it is expected to be able to loft over 150,000 pounds to orbit and is intended to eventually delivery payloads to Mars (including humans!).

What's coming up for Space-X?

Space-X recently announced its' own mission to take people around the moon! Two paying customers have requested that they be sent on an around the moon in a mission that is scheduled to span about 7 or 8 days. They have not yet announced who the customers are but the mission is supposed to take place next year using the Falcon Heavy as their rocket. I assume we will learn more about the occupants of the craft as we get closer to a launch date.

OK, enough incredibly important space news for now. More great information soon.

Science Officer Ark Angel Station,

CDRE Sorak (aka John Halliday)



Counselor's Couch,

$$S_A+S_B=R \text{ is the same as } S_A-S_B=R$$

Conditioning is something that takes place in everyday life and to everyone. Think about this, the last time you were formal group such as a classroom or a staff meeting where there is only one person talking and you are asked who has a question or if you agree with something that has been said, you raised your hand like a normal civil individual because it is rude to talk over the speaker. Well, congratulations, you have now been conditioned as a child to do that. Remember being told that if you have something to say, put your hand up. That is a form of conditioning.

So, what is the technical meaning of conditioning? I will tell you, it is when you are exposed to two different stimuli that are linked in some way, hearing a bell ring and then you are given food for instance. Then you respond to the two different but linked stimuli, such as getting one of your needs met. Over a period of time, the exposer to the stimuli will invoke a cognitive response with in your subconscious that will link that first stimuli to the second stimuli causing the reaction without you thinking about it. Okay, now that first part is out of the way; moving on to second half of classical conditioning theory. Up until this point you have been given a first stimuli and a second stimuli and you have given a reaction, well when you least expect it, you start to give the same response to the first stimuli with the expectation of the second stimuli, but omitting the accompaniment of the second stimuli that triggered the reaction in the first place. Conditioning is not just linked to food but is linked with most learned behaviors. Food and safety are just the easier scenarios to explain and experiment with as they make up the largest part of our subconscious reactions. Such as a demonstration by Bijan Amiti and his friend, Ahmed, where Bijan generates a conditioned response if a ball is thrown at Ahmed.

Bijan first opens his friend's bedroom door and then throes a small red ball across the room at Ahmed hitting him, then Ahmed gets mad. Over time Bijan just opens the door and throws the ball and his friend braces to get hit by the little red ball. It gets to a point that Bijan just opens the door and his friend tries to get out of the path of the ball, but there is no Bijan nor is there a ball hurling across the room at him, yet his reaction is unchanged. So, to follow the conditioning equation let us do the outline. S_A is the sound of the door opening. S_B is when the ball contacts Ahmed, and the R is Ahmed's reaction to being hit. It is when you omit S_B and you still get the same R , then you have a conditioned response.

Now for the research by people other than the high school students above. We all know about Pavlov's dog, but did you know about Nikolai Krasnogorshky, a behavioral scientist that took this theory to the next level? Krasnogorshky knew that there was way to get a conditioned response from a human in the same way his mentor Ivan Pavlov had done and it was not hard to get prove his point. Krasnogorshky took children and would apply pressure to the wrist to the child and then a cookie would drop into the mouth of his subject. Then he would document the salivation of the child then over time he would stop dropping the cookie. So not too bad, we now know that you can use the same method to prove you can condition a human as you can a dog. All you have to do is overlook the fact that

Krasnogorshky used orphans that no one would miss if anything would happen to them and would strap them down to a bed and only feeding them when it was time for the experiment. His research went on for more than ten years and he would use countless number of orphans without any note about the child subjects when their usefulness was over.

Ark Angel Station Counselor
Captain Michael R. McCoslin, SFMD



Board Games that you should give a try!

Kingsburg

In Kingsburg, players are Lords sent from the King to administer frontier territories.

The game takes place over five years, a total of 20 turns. In every year, there are 3 production seasons for collecting resources, building structures, and training troops. Every fourth turn is the winter, in which all the players must fight an invading army. Each player must face the invaders, so this is not a cooperative game.

The resources to build structures and train troops are collected by influencing the advisers in the King's Council. Players place their influence dice on members of the Council. The player with the lowest influence dice sum will be the first one to choose where to spend his/her influence; this acts as a way of balancing poor dice rolling. Even with a very unlucky roll, a clever player can still come out from the Council with a good number of resources and/or soldiers.

Each adviser on the King's Council will award different resources or allocate soldiers, victory points, and other advantages to the player who was able to influence him/her for the current turn.

At the end of five years, the player who best developed his assigned territory and most pleased the King through the Council is the winner.

As we just recently played a dice game at the meeting, I feel dice games should come in 2 ways. One is quick and push your luck kind of game yahtzee is a example. The other is a little longer and more detailed but should give you some meaningful choices. This is that type of game. You have a lot of thinking and decisions to make, do you go for the easy play and use all your dice or do you try to out think your opponents and get the best score. I will try to remember to bring this game to the next meeting.

Kathy

Ark Angel Station's Schedule of Events:

Have suggestions for events, let us know. Please email to the Operations Officer Ops@arkangelstation.com for suggestions or information on any Ark Angel event.

The Schedule is always a changing...but here's a glimpse into the future:

- Oct 21 -- Ark Angel Station Day.

Note: This list is subject to change. LOL As it always does
RADM Reed L. Bates
R3 Quartermaster/Finance Officer
Ark Angel Station, Ops & OIC 323rd MSG Logistical Studies Group

Hope to see you all at one of these events!

REMINDERS:

Inside the Rock Deadlines: All members of the Ark Angel should and the AA Staff must turn in articles by the Tuesday after the Monthly meeting each month. There is a suggested topic; however, you don't

