

Welcome to the November 23rd, 2016 Thanksgiving Edition of THE REVENGE HUMP DAY!

Thank God that we had a wee bit of rain that finally put out the fires in the surrounding area and the smoke has cleared out. It is truly amazing to be able to take a big breath of air outside now. The air is crisp and balmy. Apparently Fall has arrived and the weather has turned cooler. It is really very nice around her now. On Tuesday, SHE WHO MUST BE OBEYED (SWMBO), also known as the Nana, and I attended our last Grandparent's day at St. Jude's Parochial Elementary School. Beth, Destroyer of worlds is in the 8th grade and will be going off to Notre Dame High School next year there. Nana is a little sad for this being the last time we will be celebrating Grandparents Day, but life goes on.

On Wednesday, Alexander the Grape and Beth, Destroyer of worlds will be spending the day with us. Nana has already getting excited because we are going to get the kids help us put the tree up. Then will come the tradition of Nana fluffing and decorating the tree over the next two weeks. I am not allowed to assist her but I sometimes sneak and ornament of two on the tree just to torque her off.

Thursday is Turkey Day and I am looking forward to celebrating the event over at Casa Spraker with the whole family. It's one of the times of the year that I really look forward to. I am not a big turkey fan, but I do love ham. Also, Brandy let's me have the scraps and bone from the ham and I love making homemade black-eyed peas. Cooking is a great hobby and I enjoy it because I love to experiment. But, I sure as hell wouldn't want to do it as a real job.

Chattanooga suffered a heart breaking tragedy on Monday. A school bus was involved in an accident and 5 children were killed because the driver was reckless driving and speeding. The police have put him in custody, but it is too late for the children. Although none of my clan were involved in the tragedy, my heart is breaking for the families of those dear children. Please say a prayer for them the next time you hug your children and grandchild. They will be missed and remembered.

So on that "Sad Note", why don't y'all sit back and relax because here's the best in gossip, jokes and science for your reading pleasure!

Uncle Timmy

<G>~<O>~<S>~<S>~<I>~<P>~<S>~<T>~<A>~<R>~<T>~<S>~<H>~<E>~<R>~<E>~<I>

ANNUAL CHATTANOOGA FANNISH CHRISTMAS PARTY, DECEMBER 3RD AT THE CHATTANOOGA CHOO CHOO

From: "Vonn Gants" consuite@libertycon.org

ANNUAL CHATTANOOGA FANNISH CHRISTMAS PARTY

DECEMBER 3RD – 6:00 PM

CHATTANOOGA CHOO CHOO – PENNSYLVANIA STATION

Greetings and Happy Autumn everyone! We hope you are all enjoying the cooler weather, finally, and the beautiful colors.

Oh, how time flies. Halloween has come and gone and we are gearing up for a great holiday season. One special night will find fans gathering together once again to rejoice, remember, and create new memories. The Chattanooga Fan Combined Christmas Party will be held on Saturday, December 3rd, 2016, at the Chattanooga Choo Choo in the Pennsylvania Station.

As in past years, the festivities will begin with a potluck dinner, including turkey and ham, go on to hold a holiday charity auction, and end with lots of revelry.

PENNSYLVANIA STATION

The party will be held in the Pennsylvania Station, the same place LibertyCon has its Consuite and will start around 6:00 pm. The festivities are scheduled to run until the wee hours of the morning.

THE POTLUCK DINNER FEAST

LibertyCon will supply the Turkey and Ham, but the rest of the goodies come from the attendees to the event. All of you ‘cookingly’ challenged can think about bringing bread, soft drinks and other accoutrements for the potluck dinner. All the rest of you can bring your best dishes to show off a little. ;^) SHE WHO MUST BE OBEYED will be bringing her world famous green bean casserole.

Vonn Gants will be managing the list of tastations for the feast. Please send her an email with what you would like to bring as well as a list of what others will be bringing. She can be contacted at consuite@libertycon.org

THE AUCTION

The Charity Auction is filled with items provided by the attendees of the Christmas Party. If you’ve got something that you would like to donate then please bring it and add it to the pile of goodies that everyone is going to bid on. This is a great event to clear out some items to make space for new items as well as procure items for yourself as well as Christmas gifts for others.

HOTEL DETAILS

If you intend to spend the night at the Chattanooga Choo Choo, they have special room rates for this event:

Call 423-266-5000

Ask for the LibertyCon Christmas Party

Room Rates for Saturday Dec 3 will be \$91.00 +tax

Don’t forget, if you will be attending then please let Vonn know what you are bringing. Again, her email is isconsuite@libertycon.org

So take care and we'll see you there!

I THOUGHT THAT I WOULD PRINT THIS ARTICLE AGAIN BECAUSE THE CHRISTMAS PARTY IS FAST APPROACHING. IF YOU ARE COMING TO THE PARTY, HAVE YOU CONTACTED VONN YET? UT

<L>~<I>~~<E>~<R>~<T>~<Y>~<C>~<O>~<N>

JUSTICE LEAGUE DARK - OFFICIAL TRAILER

From: "Jim Woosley" Jimwoosley@aol.com

<https://www.youtube.com/watch?v=MbA8TKIeJ7g>

<L>~<I>~~<E>~<R>~<T>~<Y>~<C>~<O>~<N>

Re: What to do with the money if finds for the Sanctuary Cities withheld

From: "Jerry Pournelle" jerryp@jerrypournelle.com

Your idea of where to apply the money sanctuary cities would get is under consideration.

ON ANOTHER THOUGHT WOULD BE TO TAX MONEY THAT IS HELD OFF SHORE BY AMERICAN CORPORATIONS AT 10% AND USE THE MONEY FOR FUNDING FOR INFRASTRUCTURE OR DEBT REDUCTION. SEE WHAT HAPPENS WHEN YOU RETIRE, YOU HAVE TOO MUCH TIME JUST TO THINK OF STUFF. ;^) UT

<L>~<I>~~<E>~<R>~<T>~<Y>~<C>~<O>~<N>

R: Snowflakes

From: "Ray Jones" ray.jones619@comcast.net

And you tried to say you weren't racist when you were accused trying to win a Hugo and your past remarks were used against you. To call any group "Snowflakes" is as racist as any term anyone can use. It is as bad as "spic" or "wop" or "raghead" or "jew boy" or others that I wouldn't dare say. Here in Nashville we had very peaceful protests and marches with every race, education level, gender, and economic group participating. There were white university students and professors in the group. There were ministers and ministry students, granted no priests that I know of. It was the specific stated purpose of the group to say that they weren't protesting the outcome of the election. They weren't trying to get anything overturned. All they wanted to do was let the Donald and his supporters know that the rhetoric and terms he used during the election were extremely offensive and that he needed to refrain from this language if he wanted to have a peaceful government and country. There was not a single thing burned or destroyed, but they were still protesting. But it is racists like you that first off believe that all the protesters are black (which you can't stand and many people know it) and that they are uneducated. People like myself accept the election outcome and are waiting to see what the next 4 years are going to be. But some of us are skeptical because of the words Trump used. No, I didn't march and protest, but I'm still concerned for the people that Trump said he wanted to use "stop

and frisk" on. And who is going to work at Walmart (I'm just making a joke)? And what are all of the big farmers out west going to do when their farm laborers used for harvesting are deported when they have done nothing illegal except enter this country for the harvest? Is the cost of my groceries going to skyrocket because the farmers are having to pay \$10 or \$12 an hours to full American citizens to get things harvested? Is the Donald Trump tie that was sold in Macy's and is made in China and costing \$69.50 already 2 years ago going to cost \$109.50 because it is being forced to be made in America? Maybe it should cost that much; I don't know. I have mixed feelings. Let's just wait and see, but don't accept every change that is going to come our way and deny people the right to express their First Amendment free speech. This isn't China, yet.

FROM THE MERRIAM AND WEBSTER'S DICTIONARY

Definition of racism

1: a belief that race is the primary determinant of human traits and capacities and that racial differences produce an inherent superiority of a particular race

2a : a doctrine or political program based on the assumption of racism and designed to execute its principlesb : a political or social system founded on racism

3: racial prejudice or discrimination

SINCE THE 'SNOWFLAKES' ,AS I AND A NUMBER OF OTHER PEOPLE CALL THEM, ARE MALE AND FEMALE, WHITE, BLACK, ASIAN, ETC. AND MOSTLY MILLENNIALS, I DON'T ACTUALLY THINK YOU CAN CALL ME A RACIST BY ANY PROPER DEFINITION. 'SNOWFLAKE' IS THE COMMON TERM NOW BEING USED BY SOME PUNDANTS THAT TO DESCRIBE THE MAJORITY OF THESE DEMONSTRATORS THAT ARE COLLEGE STUDENTS THAT THINK THAT THE WORLD IS NOT FAIR TO THEM. WITH REGARD TO YOUR OTHER COMMENTS, ONLY TIME WILL TELL. A GREAT NUMBER OF US GAVE BARACK OBAMA A CHANCE UNTIL HE DID SOMETHING THAT WE COULDN'T LIVE WITH. DON'T YOU THINK YOU SHOULD GIVE THE NEW PRESIDENT ELECT THE SAME COURTESY? UT

<L>~<I>~~<E>~<R>~<T>~<Y>~<C>~<O>~<N>

Re: The big surprise from last week.

From: "John @ TVA Stewart" jpstewart@tva.gov

What was the big news you referred to last week?

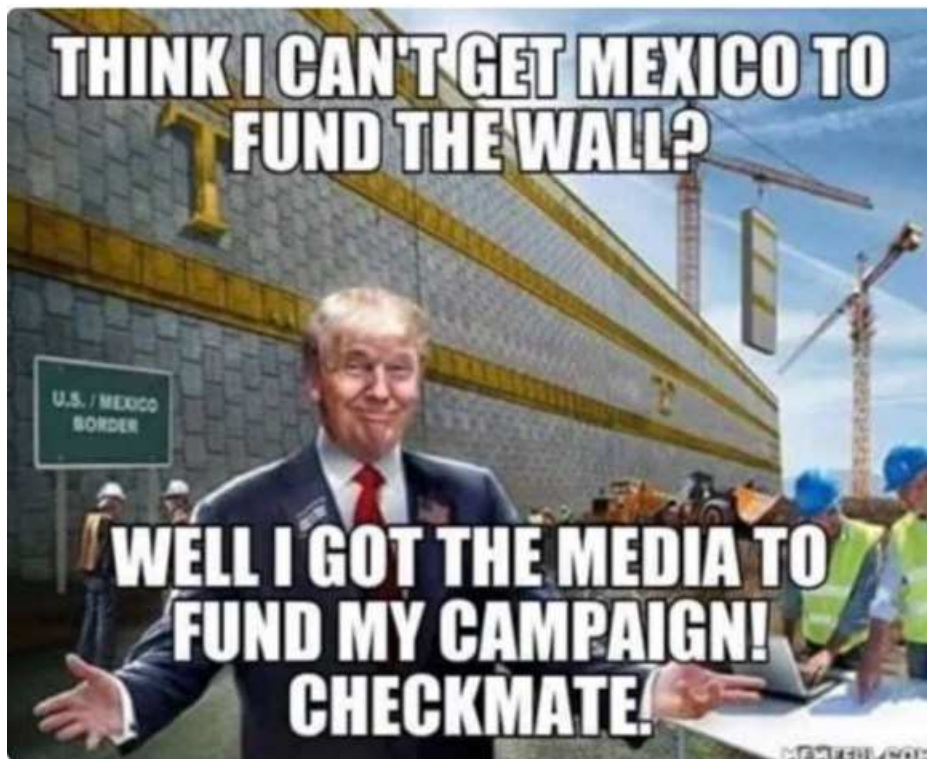
ITEM ONE IN THE GOSSIP SECTION. LIBERTYCON GIVING \$16,000 TO LANA'S LOVE CHILDREN'S CHARITY. THAT'S A BIG THING TO ME.

<T>~<H>~<E>~<J>~<O>~<K>~<E>~<S>~<S>~<T>~<A>~<R>~<T>~<H>~<E>~<R>~<E>

From: "Jim Woosley" Jimwoosley@aol.com



<J>~<O>~<K>~<E>~<S>



<J>~<O>~<K>~<E>~<S>~<of>~<the>~<W>~<E>~<E>~<K>

From: "Mike Waldrip" waldripk@gmail.com

TOUGH SERGEANT

After retiring from the army, a former Artillery Sergeant took a job as a high school teacher. Just before the school year started, he injured his back. He was required to wear a light plaster cast around the upper part of his body. Fortunately, the cast fitted snugly under his shirt and wasn't noticeable when he wore his suit jacket

On the first day of class, he found himself assigned to the toughest students in the school. The smart-ass punks, having already heard the new teacher was a former soldier, were leery of him and he knew they would be testing his discipline in the classroom.

Walking confidently into the rowdy classroom, the new teacher opened the window wide and sat down at his desk. A strong breeze through the window made his tie flap. He picked up a stapler and stapled the tie to his chest!

Dead Silence.

The rest of the year went smoothly

<J>~<O>~<K>~<E>~<S>

A FEW LAUGHS

I just read that 4,153,237 people got married last year, not to cause any trouble but shouldn't that be an even number?

If I had a dollar for every girl that found me unattractive, they would eventually find me attractive.

I find it ironic that the colors red, white, and blue stand for freedom until they are flashing behind you.

When wearing a bikini, women reveal 90 % of their body... men are so polite they only look at the covered parts.

Relationships are a lot like algebra. Have you ever looked at your X and wondered Y?

America is a country which produces citizens who will cross the ocean to fight for democracy but won't cross the street to vote.

You know that tingly little feeling you get when you like someone? That's your common sense leaving your body.

Did you know that dolphins are so smart that within a few weeks of captivity, they can train people to stand on the very edge of the pool and throw them fish?

My therapist says I have a preoccupation with vengeance. We'll see about that.

I think my neighbor is stalking me as she's been googling my name on her computer. I saw it through my telescope last night.

Strong people don't put others down. They lift them up and slam them on the ground for maximum damage.

I hate when I am about to hug someone really sexy and my face hits the mirror.

Money talks... but all mine ever says is good-bye.

You're not fat, you're just easier to see.

<J>~<O>~<K>~<E>~<S>

Three nuns die and go to heaven at the same time. When they get there St Peter is at the gates for them. He tells the nuns before I can open the gate each one of you must answer a question. If you get it right you can enter. The nuns all say OK.

So St Peter asks the first nun Who was the first man on earth? She stops and thinks that's easy and says Adam. St Peter says come on in.

Then St Peter asks the second Nun, who was the first women on earth? She stops and thinks that's easy Eve! St Peter says come on in.

Now St Peter goes to the last Nun and asks What were the first words spoken on earth?

She stops and thinks and says boy that's a hard one. St Peter says come on in.

<J>~<O>~<K>~<E>~<S>

Irish Ghost Story

John Bradford, a Dublin University student, was on the side of the road hitch-hiking on a very dark night and in the midst of a big storm.

The night was rolling on and no car went by. The storm was so strong he could hardly see a few feet ahead of him.

Suddenly, he saw a car slowly coming towards him and stopped. John,

Desperate for shelter and without thinking about it, got into the car and closed the door ... Only to realise there was nobody behind the wheel and the engine wasn't running.

The car started moving slowly. John looked at the road ahead and saw a curve approaching. Scared, he started to pray, begging for his life. Then, Just before the car hit the curve, a hand appeared out of nowhere through the window, and turned the wheel. John, paralysed with terror, watched as the hand came through the window, but never touched or harmed him.

Shortly thereafter, John saw the lights of a pub appear down the road, so, gathering strength, he jumped out of the car and ran to it... Wet and Out of breath, he rushed inside and started telling everybody about the horrible experience he had just had.

A silence enveloped the pub when everybody realised he was crying ... And wasn't drunk.

Suddenly, the door opened, and two other people walked in from the dark and stormy night. They, like John, were also soaked and out of breath. Looking Around, and seeing John Bradford sobbing at the bar, one said to the other..

'Look Paddy ... there's that Bloody idiot that got in the car while we were pushing it!'

<YOU>~<>~<JUST>~<>~<CAN'T>~<>~<MAKE>~<>~<THIS>~<>~<STUFF>~<>~<UP!>

YOU JUST CAN'T MAKE THIS STUFF UP!

From: "Jim Woosley" Jimwoosley@aol.com

SECRET BACK DOOR IN SOME U.S. PHONES SENT DATA TO CHINA, ANALYSTS SAY

By MATT APUZZO and MICHAEL S. SCHMIDTNOV. 15, 2016

<http://www.nytimes.com/2016/11/16/us/politics/china-phones-software-security.html>

Security contractors recently discovered preinstalled software in some Android phones that monitors where users go, whom they talk to and what they write in text messages.

WASHINGTON — For about \$50, you can get a smartphone with a high-definition display, fast data service and, according to security contractors, a secret feature: a backdoor that sends all your text messages to China every 72 hours.

Security contractors recently discovered preinstalled software in some Android phones that monitors where users go, whom they talk to and what they write in text messages. The American authorities say it is not clear whether this represents secretive data mining for advertising purposes or a Chinese government effort to collect intelligence.

International customers and users of disposable or prepaid phones are the people most affected by the software. But the scope is unclear. The Chinese company that wrote the software, Shanghai Adups Technology Company, says its code runs on more than 700 million phones, cars and other smart devices. One American phone manufacturer, BLU Products, said that 120,000 of its phones had been affected and that it had updated the software to eliminate the feature.

Kryptowire, the security firm that discovered the vulnerability, said the Adups software transmitted the full contents of text messages, contact lists, call logs, location information and other data to a Chinese server. The code comes preinstalled on phones and the surveillance is not disclosed to users, said Tom Karygiannis, a vice president of Kryptowire, which is based in Fairfax, Va. "Even if you wanted to, you wouldn't have known about it," he said.

Security experts frequently discover vulnerabilities in consumer electronics, but this case is exceptional. It was not a bug. Rather, Adups intentionally designed the software to help a Chinese phone manufacturer monitor user behavior, according to a document that Adups provided to explain the problem to BLU executives. That version of the software was not intended for American phones, the company said.

“This is a private company that made a mistake,” said Lily Lim, a lawyer in Palo Alto, Calif., who represents Adups.

The episode shows how companies throughout the technology supply chain can compromise privacy, with or without the knowledge of manufacturers or customers. It also offers a look at one way that Chinese companies — and by extension the government — can monitor cellphone behavior. For many years, the Chinese government has used a variety of methods to filter and track internet use and monitor online conversations. It requires technology companies that operate in China to follow strict rules. Ms. Lim said Adups was not affiliated with the Chinese government.

At the heart of the issue is a special type of software, known as firmware, that tells phones how to operate. Adups provides the code that lets companies remotely update their firmware, an important function that is largely unseen by users. Normally, when a phone manufacturer updates its firmware, it tells customers what it is doing and whether it will use any personal information. Even if that is disclosed in long legal disclosures that customers routinely ignore, it is at least disclosed. That did not happen with the Adups software, Kryptowire said.

According to its website, Adups provides software to two of the largest cellphone manufacturers in the world, ZTE and Huawei. Both are based in China.

Samuel Ohev-Zion, the chief executive of the Florida-based BLU Products, said: “It was obviously something that we were not aware of. We moved very quickly to correct it.”

He added that Adups had assured him that all of the information taken from BLU customers had been destroyed.

Receive occasional updates and special offers for The New York Times's products and services.

The software was written at the request of an unidentified Chinese manufacturer that wanted the ability to store call logs, text messages and other data, according to the Adups document. Adups said the Chinese company used the data for customer support.

Ms. Lim said the software was intended to help the Chinese client identify junk text messages and calls. She did not identify the company that requested it and said she did not know how many phones were affected. She said phone companies, not Adups, were responsible for disclosing privacy policies to users. “Adups was just there to provide functionality that the phone distributor asked for,” she said.

Android phones run software that is developed by Google and distributed free for phone manufacturers to customize. A Google official said the company had told Adups to remove the surveillance ability from phones that run services like the Google Play store. That would not include devices in China, where hundreds of millions of people use Android phones but where Google does not operate because of censorship concerns.

Because Adups has not published a list of affected phones, it is not clear how users can determine whether their phones are vulnerable. “People who have some technical skills could,” Mr. Karygiannis, the Kryptowire vice president, said. “But the average consumer? No.”

Ms. Lim said she did not know how customers could determine whether they were affected.

Adups also provides what it calls “big data” services to help companies study their customers, “to know better about them, about what they like and what they use and where they come from and what they prefer to provide better service,” according to its website.

Kryptowire discovered the problem through a combination of happenstance and curiosity. A researcher there bought an inexpensive phone, the BLU R1 HD, for a trip overseas. While setting up the phone, he noticed unusual network activity, Mr. Karygiannis said. Over the next week, analysts noticed that the phone was transmitting text messages to a server in Shanghai and was registered to Adups, according to a Kryptowire report.

Kryptowire took its findings to the United States government. It made its report public on Tuesday.

Marsha Catron, a spokeswoman for the Department of Homeland Security, said the agency “was recently made aware of the concerns discovered by Kryptowire and is working with our public and private sector partners to identify appropriate mitigation strategies.”

Kryptowire is a Homeland Security contractor but analyzed the BLU phone independent of that contract.

Mr. Ohev-Zion, the BLU chief executive, said he was confident that the problem had been resolved for his customers. “Today there is no BLU device that is collecting that information,” he said.

Adam Goldman contributed reporting.

<?>~<YOU JUST CAN'T MAKE THIS STUFF UP!>~<?>

VIDEO: BOY MIMICS SWEDISH ROYAL GUARD'S MARCH

by ChunMengGoh1d

<http://imgur.com/gallery/paZOE0E>

<S>~<C>~<I>~<E>~<N>~<C>~<E>~<S>~<T>~<A>~<R>~<T>~<S>~<H>~<E>~<R>~<E>

From: “Tim Bolgeo” tbolgeo@epbfi.com

PERMIAN'S WOLFCAMP FORMATION CALLED BIGGEST SHALE OIL FIELD IN U.S.

BY JOE CARROLL, Bloomberg News, NOVEMBER 15, 2016 2:26 PM

<http://www.star-telegram.com/news/business/article114931993.html>

In a troubled oil world, the Permian Basin is the gift that keeps on giving.

One portion of the giant field, known as the Wolfcamp formation, was found to hold 20 billion barrels of oil trapped in four layers of shale beneath West Texas. That's almost three times larger than North Dakota's Bakken play and the single largest U.S. unconventional crude accumulation ever assessed, according to the U.S. Geological Survey. At current prices, that oil is worth almost \$900 billion.



Big oil discoveries in shale formations have made the Permian Basin in West Texas the hottest oil play in the U.S. despite low oil prices. Brittany Sowacke Bloomberg News

The estimate lends credence to the assertion from Pioneer Natural Resources CEO Scott Sheffield that the Permian's shale could hold as much as 75 billion barrels, making it second only to Saudi Arabia's Ghawar field. Irving-based Pioneer has been increasing its production targets all year as drilling in the Wolfcamp produced bigger gushers than the company's engineers and geologists forecast.

"The fact that this is the largest assessment of continuous oil we have ever done just goes to show that, even in areas that have produced billions of barrels of oil, there is still the potential to find billions more," Walter Guidroz, coordinator for the geological survey's energy resources program, said in the statement.

Oil explorers have been flocking to the Permian Basin in West Texas and New Mexico to tap deposits so rich that they can generate profits even at lower oil prices. A race to grab land in the Permian has been the main driver of a surge of deals in the energy patch and the industry's main source of good news.

Although the Permian has been gushing crude since the 1920s, its multiple layers of oil-soaked shale remained largely untapped until the last several years, when intensive drilling and fracturing techniques perfected in other U.S. regions were adopted. The Wolfcamp, which is as much as a mile thick in some places, has been one of the primary targets.

ConocoPhillips, the world's largest independent oil producer by market value, increased its estimate for the size of its Wolfcamp holdings on Nov. 10 to 1.8 billion barrels from 1 billion last year. A day earlier, Concho Resources CEO Timothy Leach told investors and analysts that two recent wells it drilled in the Wolfcamp were pumping an average of 2,000 barrels a day each.

Diamondback Energy Inc. disclosed last week that it has been drilling 10,000-foot sideways wells in the Wolfcamp. Production from the wells has been as high as 85 percent crude, according to the Midland, Texas-based explorer.

For Apache Corp., a slice of the Wolfcamp and another Permian layer known as the Bone Spring are major components of the 3 billion-barrel Alpine High discovery that the company announced in September. CEO John Christmann called Alpine High "a world class resource" during a Sept. 7 presentation at a Barclays Plc conference in New York.

The Wolfcamp shale also holds 16 trillion cubic feet of natural gas and 1.6 billion barrels of gas liquids, the geological survey said in a statement on Tuesday.

Read more here: <http://www.star-telegram.com/news/business/article114931993.html#storylink=cpy>

<S><C><I><E><N><C><E>

ROYAL NAVY TO LOSE MISSILES AND BE LEFT ONLY WITH GUNS

Ben Farmer, defence correspondent, 15 NOVEMBER 2016 • 4:13PM

<http://www.telegraph.co.uk/news/2016/11/15/royal-navy-to-lose-anti-ship-missiles-and-be-left-only-with-guns/>



HMS Iron Duke firing a Harpoon missile CREDIT: ROYAL NAVY

Royal Navy warships will be left without anti-ship missiles and be forced to rely on naval guns because of cost-cutting, the Ministry of Defence has admitted.

The Navy's Harpoon missiles will retire from the fleet's frigates and destroyers in 2018

without a replacement, while there will also be a two year gap without helicopter-launched anti-shiping missiles.

Naval sources said the decision was “like Nelson deciding to get rid of his cannons and go back to muskets” and one senior former officer said warships would “no longer be able to go toe-to-toe with the Chinese or Russians”.



HMS Montrose testing a Harpoon missile, which has a range of up to 80 miles CREDIT: CROWN COPYRIGHT

Harpoon missiles are unlikely to be replaced for up to a decade, naval sources said, leaving warships armed only with their 4.5in Mk 8 guns for anti-ship warfare. Helicopter-launched Sea Skua missiles are also going out of service next year and the replacement Sea Venom missile to be carried by Wildcat helicopters will not arrive until late 2020.

One Naval source said: “We will be losing our missile capability in total for two years. We will still have the gun, but the range of that is about 17 miles, compared to Harpoon, which is about 80 miles”.

Watch: preview of the new Royal Navy frigates [Play!00:38](#)

The source said the new helicopter-launched Sea Venom missile will have a shorter range than the Harpoon and helicopters are also vulnerable to bad weather and being shot down.

“The moment you put it up against a frigate or a destroyer, you will be inside their weapons range,” the source added.

Rear-Adml Chris Parry, said: "It's a significant capability gap and the Government is being irresponsible. It just shows that our warships are for the shop window and not for fighting."

Lord West of Spithead, a former First Sea Lord, said: "This is just another example of where the lack of money is squeezing and making the nation less safe.

"We will have this gap of several years without missiles. Well, that's fine if you don't have to fight anybody in the meantime."

The Royal Air Force has long axed its own anti-ship missiles.

Nick Childs, a naval expert at the International Institute for Strategic Studies, said Britain was cutting its anti-ship missiles just as America had decided they were becoming more critical to maritime fighting.

"It must be a great concern that this capability is going to be removed without immediate or direct replacement because we are moving into an era of concern about a more contested maritime environment," he said.

A spokesman for the Navy said: "All Royal Navy ships carry a range of offensive and defensive weapons systems. Backed by a rising defence budget and a £178 billion equipment plan, upgrade options to all our weapons are kept under constant review."

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VAST FIELD OF RECOVERABLE OIL, NATURAL GAS FOUND IN TEXAS

http://pro.energycentral.com/professional/news/power/news_article.cfm?id=39207907&utm_source=2016_11_18&utm_medium=eNL&utm_content=93924&utm_campaign=WEEKLY_NEWS

MIDLAND, Texas -- The U.S. Geological Survey says it has discovered in West Texas one of the largest reserves of recoverable oil in the agency's history.

The agency said in a release Tuesday that the Wolfcamp Shale geologic formation in the Midland area contains an estimated 20 billion barrels of oil. It's also estimated to hold 16 trillion cubic feet of natural gas and 1.6 billion barrels of natural gas liquids.

Officials say the discovery is nearly three times larger than the recoverable oil found in 2013 in the Bakken and Three Forks formations in the Dakotas and Montana.

More advanced drilling, such as hydraulic fracturing, would be needed to reach the oil.

Read more on Colorado Springs Gazette

<S><C><I><E><N><C><E>

VATICAN TAPS SPACE TECHNOLOGY TO PRESERVE ITS TREASURES

By James Rogers,, Novem FoxNews.com, Published November 18, 2016

<http://www.foxnews.com/tech/2016/11/18/vatican-taps-space-technology-to-preserve-its-treasures.html>



Representatives from ESA and the Vatican Apostolic Library signed a declaration to continue collaboration at a ceremony held at the Vatican Library on 4 Nov. 2016, followed by a tour of the Library. (European Space Agency)

The Vatican Apostolic Library has teamed up with the European Space Agency (ESA) to digitize its treasures using space technology.

The Library's ancient collection is being digitized in an attempt to ensure that future generations will have access to the books. The organizations have been working for five years to digitize the collection using the Flexible Image Transport System (FITS) data format.

The format, which was born out of radio astronomy and adopted by the ESA, NASA, and scientific institutions, is described as ideal for long-term data storage.

Earlier this month the Vatican Apostolic Library and the ESA agreed to extend their partnership on archived information. "Our collaboration is based on the common intention by our two institutions to promote the long-term preservation of images in electronic format," said Monsignor Cesare Pasini, Prefect of the Vatican Apostolic Library, in a statement.

Pasini also noted how the recent earthquakes in Italy have highlighted the importance of preserving valuable information.

Founded in 1475, the Vatican Library is one of the world's oldest libraries. Some of its manuscripts and codices are 1,800 years old, pre-dating the printing press.

The FITS digitization can also help preserve the original documents, according to Vatican and ESA officials. Pressing the documents against a pane of glass for scanning can distort the old pages, so specialist scanning software has been developed to automatically calculate the document's different angles, resulting in an accurate, flat image.

The format's instructions for reading and processing data are in a text header tacked on top of the data. This means that, in a century, when computers will likely be very different, all the information to decode the data will be present within the same files.

The ESA told FoxNews.com that about 10,200 manuscripts have been digitized in the FITS format, equaling about 5 Petabytes of stored data. The project's long-term goal is to convert about 82,000 manuscripts for a total data volume of about 50 Petabytes. By way of comparison, 1 Petabyte is equal to about 223,000 DVDs.

The space agency is also looking to use FITS to ensure that old and new satellite data is widely available. "FITS can be the solution to transform this challenge into an opportunity," explained ESA's Long Term Preservation Programme Manager Mirko Albani, in an email to FoxNews.com.

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NIH SCIENTISTS IDENTIFY POTENT ANTIBODY THAT NEUTRALIZES NEARLY ALL HIV STRAINS

November 15, 2016

<https://www.niaid.nih.gov/news-events/nih-scientists-identify-potent-antibody-neutralizes-nearly-all-hiv-strains>

Scientists from the National Institutes of Health have identified an antibody from an HIV-infected person that potently neutralized 98 percent of HIV isolates tested, including 16 of 20 strains resistant to other antibodies of the same class. The remarkable breadth and potency of this antibody, named N6, make it an attractive candidate for further development to potentially treat or prevent HIV infection, say the researchers.

The scientists, led by Mark Connors, M.D., of NIH's National Institute of Allergy and Infectious Diseases (NIAID), also tracked the evolution of N6 over time to understand how it developed the ability to potently neutralize nearly all HIV strains. This information will help inform the design of vaccines to elicit such broadly neutralizing antibodies.

Identifying broadly neutralizing antibodies against HIV has been difficult because the virus rapidly changes its surface proteins to evade recognition by the immune system. In 2010, scientists at NIAID's Vaccine Research Center (VRC) discovered an antibody called VRC01 that can stop up to 90 percent of HIV strains from infecting human cells. Like VRC01, N6 blocks infection by binding to a part of the HIV envelope called the CD4 binding site, preventing the virus from attaching itself to immune cells.

Findings from the current study showed that N6 evolved a unique mode of binding that depends less on a variable area of the HIV envelope known as the V5 region and focuses more on conserved regions, which change relatively little among HIV strains. This allows N6 to tolerate changes in the HIV envelope, including the attachment of sugars in the V5

region, a major mechanism by which HIV develops resistance to other VRC01-class antibodies.

The new findings suggest that N6 could pose advantages over VRC01, which currently is being assessed as intravenous infusions in clinical trials to see if it can safely prevent HIV infection in humans. Due to its potency, N6 may offer stronger and more durable prevention and treatment benefits, and researchers may be able to administer it subcutaneously (into the fat under the skin) rather than intravenously. In addition, its ability to neutralize nearly all HIV strains would be advantageous for both prevention and treatment strategies.

J Huang, BH Kang, E Ishida, T Zhou et al. Identification of a CD4-binding site antibody to HIV that evolved near-pan neutralization breadth. *Immunity* DOI: 10.1016/j.immuni.2016.10.027 (2016).

WHO:

NIAID Director Anthony S. Fauci, M.D., is available to comment on the research. Mark Connors, M.D., chief of the HIV-Specific Immunity Section in NIAID's Laboratory of Immunoregulation and the senior author of the paper, also is available.

The research team included scientists from NIAID's Laboratory of Immunoregulation and Vaccine Research Center.

Content last reviewed on November 15, 2016

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HOW RECYCLED ASTRONAUT PEE BOOSTS CHANCES FOR FUTURE DEEP-SPACE TRAVEL

By Samantha Mathewson, Space.com Contributor | November 16, 2016 06:45am ET

<http://www.space.com/34688-recycled-astronaut-pee-boosts-deep-space-travel.html>

NASA's updated urine-reclaiming system is recycling even more water on the International Space Station, paving the way for long-duration space travel such as the journey to Mars.

Hauling tons of water to the space station is inefficient and costly. In 2009, NASA astronauts began recycling urine using the Urine Processor Assembly, which is able to reclaim 75 percent of water from urine.

Engineers at NASA's Johnson Space Center have since improved urine-recycling systems aboard the orbiting lab by incorporating a chemical solution called Alternate Urine Pretreatment (AUP). A few milliliters of AUP are dispensed when the toilet is flushed on the space station, allowing for a greater percentage of reclaimed water, according to a statement from NASA. [How to Pee in Space (and What to Do If the Toilet Breaks)]

"The goal is not to take large amounts of water with us to space, but to be able to take the water cycle itself to space," Dean Muirhead, an engineer with Barrios Technology, who works on water-recovery systems for the space station, said in the statement. "This project was another step in facing the water-cycle challenge and creating a closed life support system in space."



Engineers at NASA's Johnson Space Center developed a new a chemical solution called Alternate Urine Pretreatment (AUP) to reclaim a higher percentage of water from astronauts' urine. Credit: NASA

NASA astronaut Jeff Williams installed AUP on the space station on May 17. Once the urine is treated with AUP, it is distilled and filtered in the station's Water Reclamation System, before finally making it to an astronaut's drinking glass.

Officials said AUP has the potential to reach a 90 percent recovery rate, thus ensuring astronauts have the water resources necessary to survive longer, deep-space missions. What's more, AUP reduces mineral buildup, which is believed to have clogged the tubes of the urine distiller on the space station in 2009.

"Where other people see urine, I see a vital resource that is going to help astronauts survive," Muirhead said. "To accomplish long-duration spaceflight, we need to develop these technologies that allow us to live independently of Earth. We have to close the water loop."

AUP also has implications beyond its use on the space station. Clean water is a concern for many countries on Earth, and technologies such as AUP help people conserve and reuse water.

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SLIDE PRESENTATION: DESIGNS THAT CHANGED THE WAY AIRCRAFT ARE BUILT

Graham Warwick | Aviation Week & Space Technology, Nov 21, 2016

http://aviationweek.com/commercial-aviation/designs-changed-way-aircraft-are-built?NL=AW-05&Issue=AW-05_20161121_AW-05_394&sfvc4enews=42&cl=article_1&utm_rid=CPEN1000001477803&utm_campaign=7685&utm_medium=email&elq2=a7d9fe02bf814140b617f1839b3f8fbe#slide-0-field_images-1428111

While aircraft design over the decades has narrowed in on a set of configurations that worked better than others, how aircraft are manufactured continues to evolve in a bid to lower cost as well as improve performance. Here are some of the landmark aircraft over those decades.

This gallery was originally published on March 25, 2016.

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From: "Keith A. Glass"

SPACE POOP CHALLENGE: NASA CALLS FOR BETTER SPACESUIT POTTY SYSTEMS

By Elizabeth Howell, Space.com Contributor | November 16, 2016 06:45am ET

<http://www.space.com/34690-nasa-space-poop-challenge-for-spacesuit-potty.html>



NASA has initiated a "Space Poop Challenge," and is calling on innovators to come up with new designs for a spacesuit waste management system. Credit: NASA

Sometimes the "call of nature" is really urgent – and if you're in a spacesuit, you can't easily rush to the bathroom.

That's why NASA has created the "Space Poop Challenge." The agency is asking innovators to create fecal, urine and menstrual management systems for spacesuits, that would work for up to six days. Up to \$30,000 in prize money is up for grabs.

NASA astronauts wear diapers to take care of their bodily needs while they're launching, landing or spacewalking. However, these diapers are only good for a few hours; sitting in poop, urine or menstrual fluid for more than that is bad for your health, and your backside, besides.

Just type in a Name and select a State. Then brace yourself for what you might find on you or anyone else!

"Future missions may require long-duration waste management for use by a pressurized suited crew member," NASA wrote in a statement on HeroX, a website where people or organizations can host incentive-based competitions.

"In the event of cabin depressurization or other contingency, crew members may need to take refuge in their launch and entry suits for a long-duration: 144 hours," according to the statement. "The crew member will have less than 60 minutes to get into and seal their spacesuit. To ensure the crew member's safety, the solution [proposed system] needs to take no more than five minutes [to set up and integrate with the spacesuit]."

Further complicating the challenge is the requirement that the system work in microgravity, in a pressurized spacesuit. This means would-be designers need to contend with floating water and debris that everybody really, really wants to keep far away from human orifices or vital spacesuit systems.

The new system will be designed for NASA's Modified Advanced Crew Escape Suit, an improvement on the orange spacesuit used for shuttle launches and landings. That suit is expected to be used by astronauts on the Orion spacecraft.

The submission deadline for the Space Poop Challenge is Dec. 20, and winners will be announced Jan. 31, 2017. You can see all the guidelines and rules on this website. <https://herox.com/SpacePoop/>

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From: "Jim Woosley" Jimwoosley@aol.com

EARTHQUAKES: RECKONING WITH 'THE BIG ONE' IN CALIFORNIA-AND IT JUST GOT BIGGER

The Wall Street Journal, Published November 20, 2016

<http://www.foxnews.com/science/2016/11/20/earthquakes-reckoning-with-big-one-in-california-and-it-just-got-bigger.html>

For years, scientists believed the mighty San Andreas—the 800-mile-long fault running the length of California where the Pacific and North American plates meet—could only rupture in isolated sections.

But a recent study by federal, state and academic researchers showed that much of the fault could unzip all at once, unleashing a rare, singular catastrophe. Now, insurers have used that research to come up with a new analysis of the damage that could be caused by statewide break of the San Andreas.

The analysis, by CoreLogic Inc., a real-estate analytics firm in Irvine, Calif., lays out an alarming scenario of destruction.

As many as 3.5 million homes could be damaged in an 8.3-magnitude quake along a roughly 500-mile portion of the fault—compared with 1.6 million homes damaged if only the northern part of the fault were to break, or 2.3 million if the southern piece ruptured.

The damage to homes alone could total \$289 billion, compared with a previous range of \$137 billion on the southern portion of the fault and \$161 billion in the north, according to the CoreLogic analysis.

Researchers say a statewide quake above 8.0 would likely hit the Golden State once at least every 2,500 years. “We are talking about very rare earthquakes here,” said Maiclaire Bolton, a seismologist and senior product manager for CoreLogic.

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From: A FRIEND

MEMO TO MILLENNIALS, THAT AWFUL FEELING YOU'VE GOT IS CALLED LOSING. IT HAPPENS. IF YOU WANT TO KNOW HOW TO WIN, STOP WHINGING FOR A BIT AND LEARN SOME LESSONS FROM TRUMP

By PIERS MORGAN FOR UK MAIL ON LINE
PUBLISHED: 09:52 EST, 16 November 2016 | UPDATED: 06:45 EST, 17 November 2016
<http://www.dailymail.co.uk/news/article-3942278/PIERS-MORGAN-Memo-millennials-awful-feeling-ve-got-called-losing-happens-want-know-win-stop-whinging-bit-learn-lessons-Trump.html#ixzz4QHpcbHmW>

Cheer up, American millennials!

I mean, seriously, CHEER THE **** UP!

Oh, I know you've had a rough week ever since Donald Trump won the election.

But it's time to get a grip.

STOP crying.

STOP taking personal days off work to 'process' what happened.



+6 Millenials need to get a grip. Stop whinging and crying and complaining how unfair life is because Hillary Clinton lost the electoral vote to Donald Trump

STOP huddling with your equally distraught buddies in Starbucks over your Venti Iced White Chocolate Mocha.

STOP howling away on social media about how unfair life is and how it's the end of the planet as we know it.

STOP updating the exact number Hillary won the popular vote by, because it doesn't bloody matter.

STOP marching around screaming your fury at the result when many of you couldn't even bothered to vote.

STOP retweeting all your favourite celebrities' own outbursts of pique, rage and anguish.

STOP demanding the Electoral College reverse the decision in December.

In short, **STOP** being such a faux-tormented bunch of absolutely deluded cretins.

Want to know why Trump is going to be your next president?

It's because he is what's called a 'winner'.

Trump is going to be your next president because he is what's called a 'winner'. I know it's not 'cool' to be a winner these days and it's an ugly, dirty word in your PC-crazed universe/

I know it's not 'cool' to be a winner these days.

It's become an ugly, dirty word in your PC-crazed universe.

Far better, the social media millennial mob cries, to be a gallant loser who tries their best but comes up short - like Bernie, or now Hillary.

To which I say: bullst.**

Winning is what life's really about - whether in sport, politics, or simply producing the best decorated pumpkin in your town's Thanksgiving parade.

If you don't strive to be the very best at whatever you do, however big or small, then what's the point in doing it, or frankly even being alive?

Why wallow in self-induced mediocrity?

Yet that is precisely where so many of America's 80 million millennials enjoy wallowing, and as a result they have become the most pampered, privileged and selfish members of the human race in history.

believe they should be promoted every two years regardless of performance. 77% of millenials can't even name a senator from their home state. Here are University of Chicago students protesting on Tuesday

Where's my evidence for such a shocking assertion?

Try the National Institutes of Health, which reported that 40% of millennials believe they should be promoted every two years regardless of performance, and are so fame obsessed that three times as many middle school girls now want to grow up to be the PA to a talentless celebrity like Kim Kardashian as want to be a senator.

(Hardly surprising therefore that 77% of millennials can't even name a senator from their home state...)

Oh, and 80% of millennials say they'll be richer than their parents, yet more of them live with their parents than with a spouse, still take cash off their parents, and work half as hard.

The tragic truth is that America's millennials are a bunch of phone-addicted, selfie-obsessed, hashtagging, snapchatting, kale-munching, twerking, lazy, whining, ill-informed, politically correct, cossetted narcissists who find absolutely everything mortally offensive and believe there are 165 ways to sexually identify.

They don't understand the concept of 'losing' because they've never had to experience it.

At school, to avoid any 'low self-esteem issues', they were all given endless 'Participation Prizes'.

It's hard to think of a more ridiculous, insidious 'honour'.

What possible pleasure can there be in 'winning' a prize for just turning up? What incentive is there to compete in anything if you're going to 'win' anyway?

Participation prizes converted a whole new generation into people with no understanding of what genuine competition actually means.

This, coupled with the advent of social media technology that allowed them to post relentless 'filtered' images of themselves, led to staggeringly self-absorbed figments of their own perfection.

The combined effect of these two things has been to create a deep-rooted sense of entitlement that manifested itself in a breakdown of biblical proportions when Trump triumphed last Wednesday.

Well, welcome to the real world, my delicate little Instagrammed snowflakes.

This is how democracy works...

You all have a chance to vote...

Someone wins, someone loses...

To the winner of a US presidential election goes all the spoils of being the most powerful person on earth...

To the loser, no gold stars for effort.

Winners like Trump don't believe in 'participation prizes.' They believe you either win or lose.

Winners like Trump don't weep and wail when they lose. They vow to win next time.

Winners like Trump don't take days off to 'process' their loss. They dust themselves down and get on with life.

Winners like Trump don't assume they'll win. They do what it takes to win.

Winners like Trump don't leave anything in the field of competition. They give it 100%.

'Winning,' said the great NFL coach Vince Lombardi, 'is not a sometime thing, it's an all the time thing. You don't win once in a while, you don't do things right once in a while, you do them right all the time. Winning is habit.'

Lombardi further clarified: 'Winning isn't everything, but wanting to win is.'

That's Trump's life mantra too. It's why he's now heading to the White House, and also why he may now surprise people and turn out to be a rather effective president.

The millennials can't handle it because it wasn't supposed to be this way.

Hillary Clinton was their anointed one, their heroine, their pick for first female president.

No matter that she was a dull, humourless, uninspiring candidate mired in Wall Street greed, Washington dogma, and dodgy email servers.

Trump won because he didn't even bother trying to conform to this new world order of eggshell-hopping me-me-me millennials who infest places like New York and California.

Instead, he invested his time and effort in America's rust belt states where such idealistic, sugar-coated nonsense is complete anathema.

The reaction to Trump's win has been absurdly, dangerously over-the-top.

A San Diego based cyber-security firm founder and CEO millennial named Mark Harrigan resigned this week after posting the following on Facebook:

'I'm going to kill the president elect. Getting a sniper rifle and perching myself where it counts. Find a bedroom in the whitehouse that suits you motherf***er. I'll find you. In no uncertain terms, f*** you America. Seriously. F*** off.'
Hardly the personification of '#LoveTrumpsHates' is it?

Today, it emerged that 200 students from a Manhattan high school were allowed to skip lessons to join the protests outside Trump Tower.

Can you imagine the furore if Trump-supporting students had demanded the right to do that if Hillary had become President?
It's all so pathetic.

The simple fact is that Trump won, fair and square.

The moaning millennials may not like it but refusing to accept the result is not just undemocratic, it's un-American.

Nobody rioted when Obama won, twice – though feelings ran just as high against him from those who voted for the other side.

As Trump's rally song by the Rolling Stones so perfectly summed it up: 'You can't always get what you want.'

So suck it up you squealing softies, get back to work or college, and if you want to win next time, get a candidate who's a winner not a loser.

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From: "Jim Woosley" Jimwoosley@aol.com

PAPER – ANTI-TRUMP PROTEST SPEAKER: 'MAKE THE NRA REGRET GIVING US THE RIGHT TO BEAR ARMS'

NU Students Against Institutional Discrimination Coalition

by AWR HAWKINS, 18 Nov 20163

<http://www.breitbart.com/big-government/2016/11/18/paper-anti-trump-protest-speaker-make-the-nra-regret-giving-us-the-right-to-bear-arms/>

In coverage of a November 17 rally at Northeastern University, The Huntington News reported junior Towsif Ahasan “encouraged students to oppose Trump by any means necessary” and quoted him saying “make the NRA regret giving us the right to bear arms.”

The rally was sponsored by NU Students Against Institutional Discrimination (SAID). The flier for the event was emblazoned with the words, “Students Against Trump By Any Means Necessary.”

The text of the flier said:

Students on campus gather together to protest the election of Donald J. Trump as the 45th President of the United States of America. As students from marginalized backgrounds, inclusive of those who are immigrants, Black, Latinx, Muslim, LGBTQIA identifying, disabled, this rally serves as a space of discussion, solidarity, and speak out on experiences as the first steps to change.

Huntington News reports the rally was attended by “approximately 100 students,” some of whom stood in line to use a megaphone to make comments.

Towsif Ahasan addressed the crowd, saying, “What I am interested in is material change. We have to make a difference at the state and local level now. People of color [...] matter in New York and Massachusetts, but they matter in Idaho and Kansas too.”

The News reports that Ahasan “encouraged the crowd to stop Trump by any means,” just as the event flier indicated, then they quote him saying, “Exercise your Second Amendment right. Let’s make the NRA regret giving us the right to bear arms.”

‘IGNORANCE IS BLISS’ ACCORDING TO SOME PEOPLE. MAYBE THEY SHOULD TEACH THESE CHILDREN SOME HISTORY OF THE REPUBLIC. ESPECIALLY ABOUT THE CONSTITUTION AND THE BILL OF RIGHTS AND THE MEN WHO WROTE IT. UT

If you would like to unsubscribe From: THE REVENGE OF HUMP DAY, please send an email message to Tim Bolgeo tbolgeo@epbfi.com and say, "QUIT SENDING ME THIS STUPID RAG!"
