



Missions for America

Semper vigilans!

Semper volans!

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SENIOR MEETING

30 July, 2020

A brief survey was made to assure that each department had its SUI worksheets for the upcoming inspection.

The CAP National Conference occurs at the same time as the CTWG SAREX on August 15th. Conference attendees and SAREX participants were determined.

Capt Johnson provided an opportunity to consider actions needed to launch an emergency search and rescue. He showed two short videos, one about a pilot down in an isolated area and one about a woman clinging to a log in a swollen river. Squadron members analyzed each video and discussed how TRCS ES crews might improve their performances based upon the positive and negative actions seen in the videos.

CADET MEETING

31 July, 2020

Lts Thornell and Munzner led breakout sessions which discussed challenges faced by the cadets during the quarantine. The cadets then met in concert and compared their answers.

Cadet Busher submitted a trivia test which required the identification of various countries based upon a series of clues.

REPORT ON WEEKLY OPERATIONS AND ACHIEVEMENTS, MISSIONS, PROMOTIONS, ACTIVITIES

C/1stLt Christopher Munzner has successfully finished Achievement 11 which is required for promotion to Cadet Captain.

TRCS flew two sorties on Saturday, the 25th. Lt Spreace and LtCol Kinch flew the early patrol. They were sent to investigate a distress signal off Orient Point but discovered nothing. The call has been attributed to a child playing with a radio.

Maj Neilson and Lt Pineau flew the evening sortie and reported nothing out of the ordinary.

AEROSPACE CHRONOLOGY FOR THE WEEK

July 29, 1985 – Space Shuttle Challenger lifts off on its eighth flight. Five minute and 45 seconds into the ascent main engine number one shuts down when a sensor fails and other sensors indicates excessive engine temperature. The pilots command an ATO maneuver, Abort to Orbit and the Challenger successfully enters a stable orbit, lower than that which was originally flight-planned. This is first and only time that a shuttle mission will revert to an "abort" procedure after launch.

Three other "abort" choices are available depending upon the circumstances. If problems develop while in ascent, the shuttle commander can initiate a Return to Landing Site (RTLS). A second option is the Trans-Oceanic Abort Landing (TAL) which offers choices of emergency fields in Europe and Africa. Finally, if the orbit is unsatisfactory but the shuttle can circle the earth once the commander can select the Abort Once Around (AOA) option.



The Abort Panel and its four options. (NASA)

The Spacelab2 Module could not be injected into its planned orbit. Another experiment, the Space Infrared Telescope was deployed lost almost half of its data due to residual heat from the shuttle and floating debris in its field of vision.

The highlight of the mission as far as the people on earth thought was the taste test between Coca-Cola and Pepsi Cola, the "Carbonated Beverage Dispenser Evaluation." Coca-Cola had been working on a method to serve its product in space and reportedly spent a quarter dollars developing a special can. Pepsi started its development six months after Coke and spent considerably more to catch up, perhaps 14 million dollars!



Coke earned bragging rights by having its product tested first and broadcast "The first soft drink enjoyed in space was a Coke. Of Course." Pepsi's ad was an anemic "Proud to Be Aboard the *Challenger*."

The astronaut taste testers were less than enthusiastic about the two products. Mission Commander Gordon Fullerton perhaps spoke for all the crew when he said "The Coke tasted metallic, and the Pepsi was too foamy, the shuttle doesn't have a refrigerator, so they were both warm. Warm cola is not on anybody here's list of favorite things."

July 30, 1935 – The first "blind" carrier landing was executed when Lt Frank Akers, USN, flew a Berliner-Joyce OJ-2 from NAS San Diego and landed aboard *USS Langley* without visual references.



Akers, with flying helmet explains instrument provisions to Adm. E. J. King at College Park, Md.

July 31, 1979 - Black Tot Day

Not all holidays celebrate joyous occasions. Camerone Day remembers the last stand of the Third Company, First Battalion French Foreign Legions in its 1863 battle in Mexico against 2000 Mexicans and is now memorialized by celebrations on April 30th.

Black Tot Day is similar but the casualty count was less. For 330 years at six bells in the forenoon watch on board any Royal Navy vessel, "Up Spirits" was piped and the crew issued their "tot" of grog, a mixture of rum and water..

Problems storing large volumes of beer aboard ship and its spoilage induced Adm. Edward Vernon to substitute a daily ration of rum for the sailors. (Lawrence Washington, George's half-brother served as a Captain of Royal Marines

served with Vernon and named his plantation, Mt. Vernon, in his honor.) Vernon was known as "Old Grogham" because of the fabric which he customarily wore and the drink became known as grog.

The ration was abolished by vote of the House of Commons which decided that alcoholic spirits and a modern technological navy were unsuitable fits for each other. Pity they did not say the same for legislative bodies.



"Black Tot Day" at the Royal Naval Dockyard in Chatham, Kent. Cook Thomas McKenzie drains the last drop from the barrel while his shipmates read a "eulogy".

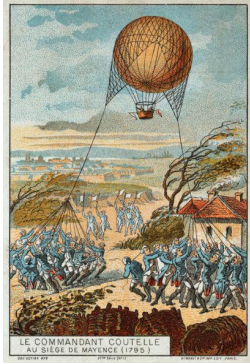
On 1 August 1799 – The French ship-of-the-line *Orient* carrying gear of the French Army's 2nd Company of Aeronauts was destroyed during the Battle of the Nile.



The Orient, destroyed in an explosion. Painting by George Arnald.

The Aerostatic Corps was formed in 1794 and consisted of a captain and a lieutenant, a sergeant-major and sergeant, two corporals and twenty privates. Its mission was to perform reconnaissance, relay signals and drop propaganda leaflets. Each of the men had skills relevant to

ballooning



The 2nd Company of the Aerostatic Corps at work during the Siege of Mainz in 1795.

On 15 January 1799, the French Directory disbanded the Second Company of the Aerostatic Corps but the First Company, still in Egypt remained active until they returned to France in 1802.

August 2, 1979 – A Cessna 501SP, N15NY crashed at Akron-Canton Regional Airport killing Thurman Monson, New York Yankees catcher and severely injuring the two other occupants.



C501/SP)
(Credit: Peter Bakuna)

He was practicing take-offs and landings. Munson failed to extend his wing flaps and got behind the power curve. A late application of power failed to arrest the decent and the plane clipped a tree and landed short of the runway before hitting a stump and catching fire. Munson, who did not have his shoulder harness fastened broke his neck and died of asphyxiation in the fire.

August 3, 1995 – August 16, 1996 A Russian Il-76 was forced to land by in Kandahar, Afghanistan by the Taliban Air Force. The crew was taken hostage and the Taliban offered to trade them for Afghans held by the Russians but the Russians did not have any Afghani prisoners putting them in

an untenable bargaining position.



The Plane

The Taliban desired to maintain the Ilyushin in airworthy condition so members of the crew were periodically allowed to work on the aircraft. During each work session, six armed guards accompanied them. Over a year the crew planned an escape, noting that half the guards left each time for afternoon prayers. The Muslim prayer session was an answer to the Russian prayers. One day, when the auxiliary power unit was plugged into the plane, they overcame the three guards, started their engines and took off despite efforts by the Taliban to block the runway with a fire engine.

A Russian movie, *Kandegar*, is available on YouTube which is based upon this incident.



The Movie

August 4, 1950 – The first evacuation by helicopter from a Mobil Army Surgery Hospital (MASH) occurs when a Sikorsky S-51 (H-5) flies out a casualty during the battles around the Pusan Perimeter.

USAF H-5G with external litters landing.

