



Missions for America

Semper vigilans!
Semper volans!

The Coastwatcher

Newsletter of the Thames River Composite
Squadron
GON
Connecticut Wing
Civil Air Patrol
<http://cap-ct075.com/default.aspx>

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Vol. IV No. 02

13 January, 2010

SCHEDULE OF COMING EVENTS

January

- 12-Cadet Character Development/Ldrship Ch. 1
Senior Commander's Call
- 19-Cadet AE Mode 5 Part 1/Rocketry
Senior Emergency Services Training
- 23-Cadet PT-USCGA/Squadron SAREX
- 26-Cadet AE Mode 5 Part 2/Color Guard
Senior Duty Briefing-Operations
CTWG Commander Visit
- 30-AVCRAD Tour (tentative)
- 31-Orientation Flights (tentative)
- 30-31-Danielson Bivouac

FOR FUTURE PLANNING

- 01-Solomon Schechter A/S Festival-New London
- 12-TRCS Officer's Banquet
- 27-28 FEB-CLC Course-Middletown
- 27-28 MAR-UCC Course-Middletown
- Spring-SLS Course-Date TBA-Middletown
- 22-24 OCT-2010 CTWG Conference
- 24-25 JUL-NER SAREX Competition-Westover

CADET MEETING MINUTES

12 January, 2010

C/2Lt Scannell conducted opening ceremonies.

Lt Wojtuck led the Cadets in the introductory Character Development Seminar, "Ground School," a discussion of USAF and CAP core values.

Cadet 4th Class Timothy Plourde, AFROTC Detachment 115, University of Connecticut, returned and briefed the Cadets on his first semester as a Reserve Officer Training Corps member and student of Material Sciences and Engineering. The Squadron's Cadets responded with enthusiastic questions about his experiences.



College bound Cadets Abby Wojtcuk and C/2Lt Scannell discuss UCONN's ROTC program with Cadet 4/C Plourde.

The Cadets reviewed customs and courtesies and astronomy facts for upcoming testing.

The Fabulous Chest of Treasure and Trash was broached and winners of the past Ground Observer Redux contests were allowed to take two prizes each. Cadet Molinari selected a .30 cal ammunition box and flasher. Cadet Abbiati picked a compass and an led flashlight. Cadet Dougherty was not present and will be offered a chance to burrow into the case of goodies when he returns.

2010 CTWG ENCAMPMENT

The Wing Encampment is scheduled for 31 July through 06 August. The fee is \$125. Encampment is a requirement for Officer rank, attendance at National Cadet Special Activities, scholarships, and other benefits of the program. Lt Wojtuck will conduct a straw poll of parents to determine about how many of our Cadets are interested.

PROMOTIONS, CERTIFICATIONS, AND RECOGNITIONS

SM Leif Bergey was promoted to LtCol and awarded CAP Command Pilot Wings. LtCol Bergey is a retired naval aviator.

SM Scott Owens was promoted to 2Lt.

BCUT certification cards were presented to Leif Bergey, William Bridgewater, Giancarlo Dell'Orco, Robert Looney, Scott Owens, and Paul Jalbert.

COMMANDER'S CALL

12 January, 2010

Col Kinch covered a number of housekeeping items: status of the Long Island Sound Patrol, new record requirement promulgated by National and Wing Headquarters, the new narrow band radio requirements, and adoption of the new CAP Basic Officer's Course.

Commencing next week, the following department heads or their appointees will report at 1830 for a weekly staff meeting: Noniewicz-Operations, Bridgewater/Jalbert-Administration, Lintelmann-Personnel, Miller-Logistics, and Farley-Emergency Services.

Members are encouraged serve as Tac Officers at the 2010 CTWG Encampment .

Col Kinch announced that the custom of a TRCS Officer's Banquet has been revived. The dinner will be held at the Groton Motor Inn on 12 February and the cost is \$26. Contact Lt Wojtuck to make reservations.

Capt Noniewicz reviewed salient safety suggestions from the CAP safety publication, *The Sentinel*. The bulk of his discussion covered special problems concerning night flight: autokinesis illusions, false horizons, landing illusions, night vision peculiarities, and minimum equipment.

Lt Farley announced that next week's training will cover SAREX planning and a mission briefing.

Maj Neilson suggested that candidates for Form 5 flight reviews fill out the required forms and aircraft test in advance.

Col Wisheart announced that the SUI inspection went smoothly and we anticipate a good report.

Lt Lintelmann noted that the CAP requirements for approval of expenses at the unit level has changed and become more liberal. Finance Committee approval is now required for purchases over \$500.

However, he cautioned Officers that all requests for reimbursement must be turned in within 60 days if you wish them honored.

Maj Rocketto briefed the Senior Members on the Aerospace Educational Outreach being conducted by the Squadron. He announced that the TRCS has been awarded a \$250 grant from the Air Force Association to assist in the installation of a real-time weather satellite system and our new flagpole. The attendees were also notified of pending Aerospace Education field trips to the 1109th AVCRAD, Survival Systems, and the USN Submarine Museum.

LEDYARD AEROSPACE FESTIVAL

08 January, 1010

Once again, the Thames River Composite Squadron lent its support to the Annual Juliet W. Long Elementary School Aerospace Festival. Approximately 300 pupils and their parents attended and participated in a round-robin tour of the fifteen exhibits and activities.

TRCS set up a three table display consisting of some of our prize winning rockets, emergency service gear, aerospace themed books, and display boards illustrating the history of US manned space flight, women in aviation, and the ARCHER program. CAP members also ran hands-on demonstrations of scientific principles. The bicycle wheel gyroscope and a turntable showed how an automatic pilot functioned. Bernoulli's Principle, the fact that a high speed stream of air creates a low pressure region, was illustrated using an electric hair dryer and a ping pong ball. An air hockey puck testified to the fact that objects in motion maintain a constant speed and direction unless acted upon by an unbalanced external force.



The principle of the automatic pilot is shown to Ledyard school system pupils by Cadet Johnson.

The Cadets and Officers also distributed CAP and TRCS information and promotional material.



Cadet Abby Wojtcuk and a young Ledyard lady study Newton's First Law of Motion with an air puck.

The Connecticut Wing Drug Demand Reduction Officer, Capt Michael Bafuma was instrumental in obtaining DDR promotional materials from National Headquarters.

Squadron participants were Cadets Abby and Lexie Wojtcuk, and Jennifer Johnson, Majs Bourque and Rocketto, Lt Wojtcuk, SM Wojtcuk, and Mr. Johnson.

In addition to TRCS, thirteen other exhibitors were present. A total of 91 pupils circulated from exhibit to exhibit, getting their cards stamped after participation, and earning rewards for their efforts. Total attendance was estimated at 250.

The event was organized by CTWG Aerospace Education Member and CAP Aerospace Educator of the Year Stuart Sharack assisted by AEM Alex Rode, both teachers in the Ledyard School System.

SOLOMON SCHECHTER AEROSPACE FESTIVAL

The Squadron has been asked to participate in a second Aerospace education activity at Solomon Schechter Academy in New London on 01 February from 1800 to 1930. Volunteers should contact Maj Rocketto.

2010 GREAT IRONING DERBY

The day dawned bright and sunny as five moms, a sister, and one very brave male cadet set out to slay the enemy - a three-foot tall pile of blue uniform shirts. Jen Hall, Dawn Herzog, Toni Molinari, Elizabeth Flynn, Allison Dougherty (Pat's sister), and Robin Wojtcuk, armed with irons and ironing boards. The Herculean task was completed as the sun culminated in the south.

Kyle Hall braved the estrogen-rich atmosphere to bag shirts. However, it was noted that Senior Member Wojtcuk and his male dog, Bubba, headed for the upstairs as soon as the doorbell rang the first time!

Cadet Chef Abby Wojtuck prepared a sumptuous lunch. The conversation touched upon many topics as the gathered mothers shared intelligence about their offspring. Allison Dougherty turned state's evidence against her brother, Cadet Patrick Dougherty, and the dirt will be published if and when our lawyers approve.

Seventy-five ironed and sized shirts now stand ready to be transported to the storage trailer.

In the US Navy, such an evolution was called a "make and mend" day and in the tradition of the US Navy, Thames River offers a loud BRAVO ZULU (WELL DONE) to the volunteer effort.

PHOTO STUDIES OF THE IRONING MAIDENS, NOT TO BE CONFUSED WITH THE JUNKER 52/3M DREI MOTOREN



Fruits of Their Labors.

TRCS AWARDED AIR FORCE ASSOCIATION GRANT

The Squadron has been selected as the recipient of an Air Force Association Unit Grant. The money will be used to purchase materials to install the weather satellite dish donated by Aquila Systems and the flagpole donated by Col Herbert. Work will commence in the spring when the temperature becomes suitable for concrete pouring.

GROUND OBSERVER CORPS REDUX

The Answers to Last Week's Quiz

1. Name the aircraft by designation and popular name and its manufacturer in picture (1)? *The aircraft is a Fairchild C-119 Flying Boxcar.*
2. For what mission did the US Army employ the aircraft in picture (1)? *The aircraft is a memorial at Fort Benning because Fort Benning is the home of the US Army Airborne 'School and the aircraft was often used to drop paratroopers. Note the jump towers in the background.*
3. Although the aircraft in picture (2) bears USMC markings, it was USAF aircraft and the US Army's 2348th Quartermaster Airborne Air Supply & Packaging Detachment which performed a remarkable service for the USMC at the Chosin Reservoir, Korea in the winter of 1950? Think M-2 Treadway and it is not a reference to the carbine which is M2. *When the Marines were making their famous retrograde movement from "Frozen Chosen," the Army and the USAF dropped eight spans, some 32 tons, of an M-2 Treadway Bridge which facilitated the escape of the trapped Marines by allowing them to pass over a deep gorge at Hungan. This was the first time in history that an entire bridge was airdropped.*
4. The aircraft at the USAF Museum in pictures (3-5) is noted for doing something for the first time in history. What feat did this aircraft perform? *The CIA was launching Keyhole reconnaissance satellites as part of the Corona Project. These satellites collected imagery on film but the film canisters needed to be recovered from orbit. This was accomplished by ejecting them from the satellite and when they descended to an appropriate altitude, deploying a parachute. The canister was then snatched in mid air by a specially equipped C-119. The first successful recovery was by the very aircraft in our pictures. The yagi antennas were part of the radio location*

system and the beavertail aft end had a ramp which lowered and enabled the crew to rig a trapeze like arrangement for grabbing the canister. The putative object of the launches was science and technology and the name given as a cover was Discoverer. Discoverer XIV was the first successful recovery and the mission mark commemorates this feat by the 6593rd Test Squadron.

5. The aircraft in picture (6) is on display at Hurlburt Field and it has a special prefix on its type designation. What is the letter and what does it signify? *The aircraft is an AC-119G Shadow. It is a gunship which carried four 7.62 cal miniguns on the port side. Hurlburt Field is the home of the USAF 1st Special Operations Wing and the aircraft is on display in the Air Commando Heritage Park.*

6. Illustrations (7) and (8) and the descriptions should give you some clue as to the new mission of the "tri-motor. The aircraft bears a US civil registry but the big three digit number has significance and it is not a race number. *The nose art shows Smoky Bear riding a stylized Privateer. The aircraft was used by Hawkins and Powers to fight forest fires. Fire bombers all carried special numbers and the 137 is on a pod which houses a Westinghouse J-34 turbine. The C-119 was notable for a lack of power and many were retrofitted with a "jet pack." The original C-119s had so little reserve in case of an engine failure that they were forbidden to carry passengers. Paratroopers were an obvious exception.*

7. Name the aircraft, in picture (9), the father of the fair child, by manufacturer, designation, and popular name. *The last aircraft is the predecessor of the C-119. It is the Fairchild C-82 Packet.*

The New Quiz

The picture of the C-119 with a jet-pack brought to mind tri-motor aircraft. See if you can identify

the following three engined aircraft and send your answers to srocketto@aquilasys.com.

Submit your answers to Maj Rocketto by email and if you pay attention to details and clues, use some research resources, and quickly submit precise and accurate answers, you too may be allowed to graze through the Fabulous Chest of Treasures and Trash and select a lasting memento to commemorate your diligence.



(1) Asleep in Seattle-Your Great Grandpa's Boeing



(2) A flying flivver?



(3) Not as junky as it looks! Tante Ju to you. Iron Annie's skin is duralumin.



(4) From the company that brought you the Black Widow, Tigershark, and Scorpion!

OK! What would happen if we moved the nose engine to the tail?



(5) The company is headquartered on the Isle of Wight but owned by the Sultan of Oman. If you go to WST, you can find a few of this aircraft's little brothers flying for New England Air Lines.



(6) Designed by DeHavilland and build by Hawker-Siddeley, this aircraft bears the name of an implement carried by Poseidon, Neptune, and Shiva.



One of Elmer Faucett's ships taxis in to SPQU with Nevado Chachani in the background.



(8) The USAF flies this aircraft with a K in place of the initial letter supplied by the manufacturer.



(9) When the RAF flies this aircraft for the same purpose that the USAF flies the American Airliner seen above, they call it the Tristar..



(10) This sleek Gallic product works for Loew's Home Improvement.

GONE WEST GENERAL LEW ALLEN, JR.



USAF Photo

January 6th marked the passing of General Le Allen, Jr, airman, scientist, and leader. Allen's career was unusual for an Air Force Officer in that after his initial flying assignments, his career focused on highly specialized scientific and technological assignments. He never served in combat nor was he ever posted overseas.

General Allen, a Florida native and a 1946 US Military Academy graduate, entered flight school, earned his pilot's wings, and flew with B-29s and B-36s with the Strategic Air Command.

Between 1957 and 1973, while serving as an Air Force officer, he earned a Ph.D. in nuclear physics with a dissertation about high energy photonuclear reactions. Allen then worked at both Los Alamos National Laboratories and Kirtland Air Force Base in New Mexico specializing in thermonuclear weapons design and employment, especially the effects of high altitude nuclear explosions.

Assignments in Los Angeles and Washington followed and for ten years, Allen specialized in the planning and development of satellite programs and space and missile systems

Moving into intelligence work followed naturally from his experiences. Allen served in the Central

Intelligence Agency and afterwards was appointed Director of the National Security Agency.

After leaving the NSA, Allen commanded the Air Force System Command where he supervised the upgrading of tactical aircraft and the addition of the C-5, the A-10 and the F-16 to the USAF inventory. In 1978, Allen was named Chief of Staff of the USAF, retiring in 1982.

Upon retirement, Allen became the first outsider to direct NASA's semi-autonomous Jet Propulsion Laboratory in Pasadena. Over the next ten years, he reorganized JPL and oversaw a number of major achievements. These include Voyager's Uranus and Neptune fly-bys, the Galileo mission to Jupiter, and the launching from a space shuttle of Magellan which used synthetic aperture radar to map the surface of Venus.

Among Allen's awards include the Air Force Distinguished Service Medal, the National Intelligence Distinguished Service Medal, the Legion of Merit with two oak leaf clusters, and the Goddard Memorial Trophy.

But a greater accolade was accorded him in that two awards are named in his honor. The USAF annually presents the General Lew Allen, Jr Award to a officer and senior nco in the maintenance or munitions career field who demonstrate "sustained job performance, job knowledge, proven leadership, direct sortie involvement, and military qualities." JPL offers, to young professionals, the Lew Allen Award for Excellence which recognized "significant accomplishments, leadership in scientific research or technological innovation." The qualifications for these awards exemplify the character and accomplishments of Lew Allen.

OUR LADY OF THE HARBOR

SM Giancarlo Dell'Orco recently flew down to New York City and took a trip down the Hudson River's VFr Corridor to visit *The Statue of Liberty*

The path of the flight skirts under New York's Class B Airspace and allows one to make a most fascinating trip through one of the busiest airspaces in the world. The Corridor, sometimes called the "Tunnel of Terror" for reasons which may become apparent, is generally entered from the north near the Tappan Zee Bridge. Southbound flight fly along the west or Jersey shore and north bound flight travel on east or the New York side.

One obeys airspeed restrictions and special rules, monitors critical radio frequencies and announces key locations as they are passed. Heading south, from Tappan Zee, they include the orange and white Alpine Tower. The tower was built by the maverick electronic genius Edwin Armstrong, inventor of FM technology. Succeeding reporting points include the George Washington Bridge, the Intrepid, Empire State Building, Holland Tunnel, Ground Zero, Governor's Island, The Lady, and the Verrazano Narrows Bridge. A fixed wing flight is conducted around 1,000 feet, 100 feet under the base of the Class B airspace which allows about 400 feet of clearance over the GW Bridge. Chopper cruise at around 500 feet so things get pretty crowded.



Blow this up and check out the sub and the flight deck. What happened to the Destroyer Edson?



Liberty Enlightening the World.

