



Missions for  
America  
*Semper  
vigilans!  
Semper volans!*

Publication of the Thames River Composite  
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Connecticut Wing  
Civil Air Patrol  
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Issue 12.24

19 June, 2018

### **12th ANNUAL COMMANDER'S CUP**

The Connecticut Wing's annual model rocket contest was held on Saturday, June 16th at White's Field in Durham. Thames River Composite Squadron managed to squeak by Waterbury's 143rd and Danielson Cadet Squadron to take possession of the Commander's Cup.



*Cadets Burton, Simmons and Vandewege from Waterbury wait for approval of their rockets by the range safety officer.*

The contest started in 2007 when CTWG Commander Peter Jensen encouraged the Lt Col Rocketto, Director of Aerospace Education to institute the program and donated the silver cup which is engraved each year with the name of the winning squadron.

The annual event has been sponsored by CATO, the Connecticut organization of amateur rocket enthusiasts. CTWG thanks President Eric Henderson and Vice President Brad Oestreicher

who have given so generously to make our program successful. You will find pictures of these gentlemen, other CATO officer, and some of their amazing rockets at:

<http://www.catorockets.org/catoofficer>

The rules of the contest are designed to assist cadets in earning the CAP Rocketry Badge. Each class of entries features one of the required rockets which must be built to earn the badge.

The TRCS team consisted of Cadet O-I-C Ryan Schultz and cadets Burton, Guilliams, Trinidad, Simmons, and in absentia, C/CMSgt Daniel Ramsey. SMs Michael and Clara Kopycienski and Capt Rob Guilliams served as escorts. The team was backed by a cheering section of parents and siblings.



*The TRCS Team and the Judges*

Waterbury was led by 1st Lt Bruce Richardson and 1st Lt Christina Trotochaud supervised the cadets from Danielson.

*CAP Cardinal Virtues*

*Volunteerism! Cadet Burton helps prepare the site by erecting launch stand for large rockets.*

*(Photo Credit: SM Kopycienski)*



*Helping Others!  
SM M.*

*Kopycienski assists Danielson Cadet Dietz in packing a parachute.*

Flight One was one by C/A1C Catherine Masayda of the 143rd and second place was taken by C/A1C Jeremiah Vandewege giving the Danbury Squadron an early lead. Thames River's C/Amn Luis Trinidad placed third.

Flight Two had 14 entries. C/SrA Elizabeth Burton scored a perfect 20 to take first honors. Masayda followed in second place with a 19 and Thames River's C/TSgt Owen Guilliams's 18 points placed him third.



*While Cadet Trinidad prepares his rocket for launch, Cadet Burton waits with her award winning load carrier rocket and SM C. Kopycienski observes.*

Flight Three decided the Cup winner. Burton's 18 was good for first. She was followed by C/A1C Seth Trotochaud from Danielson. Danielson's C/SrA Dietz place third.



*A CAP Specialty: Search and Rescue. Cadet Simmons recovers Cadet Burton's rocket.*

*(Photo Credit: SM Kopycienski)*

A cornucopia of prizes were awarded. Each cadet participant received some token for his or her efforts.

Contest Director Rocketto is recommending that Cadets Masayda, Trotochaud, and Burton receive the CAP Achievement Award for their "outstanding service" to their squadron involving performed...above and beyond those of the member's peers.

The three judges all have CAP backgrounds. Senior Judge was Peter Jensen, former CTWG Commander and now Director of the USCG Auxiliary's Performance Measurements Directorate.

Lt. George Planeta of the Meriden Fire Department had sons who were all cadets in Meriden and are all now serving in the military. He is one of the coaches during CTWG Rifle Safety and Marksmanship training. Mrs. Rachel

Manzer is a CAP Aerospace Education Member and teaches at CREC's Academy of Aerospace and Engineering in Windsor where she also directs a number of special projects. Manzer was the second school teacher selected as CAP's Teacher of the Year and has been selected as one of the school teachers who has been selected to ride one of the commercial space vehicles on a suborbital trip.

## MEETING MINUTES

19 June, 2018

### *Cadets*

Cadet Wischman presented a safety briefing on the dangers of dehydration.

Lt Pineau briefed the cadets on airport safety.

Lt Heard discussed the four forces which act on an aircraft in powered flight and introduced the cadets to the wonderful world of paper airplanes. Cadets the constructed paper airplanes and launched them.



*Scramble! Mass Launch of Paper Airplanes*

### *Seniors*

Lt Pineau reviewed the highlights of the last CTWG Commander's Call. Most of the items involved bureaucratic procedures: ORMs, Cadet Supervision, deadlines on submitting receipts, the fall SUI, and correct uniforms

Lt Col Rocketto reported details of his meeting with Catherine Young, Connecticut Airport Authority. This initial meeting was a discussion of the activities proposed for National Aviation Day, 19 August. Thames River has been invited to have an indoor exhibit and display equipment. The CTWG may exhibit and fly its SAR drone and run a cadet drone race in a hangar.

Other attendees were Chet Moore, Tower Chief, Groton and David Grainger, drone enthusiast and member of the Salem Propbusters.

## PROMOTIONS & ACHIEVEMENTS

### MISSIONS

TRCS flew four Long Island Sound Patrol missions over the 16-17 weekend. Lt Schmidt, Lt Col Doucette, and Lt Heard flew the early mission on Saturday.

The afternoon mission was crewed by Maj Neilson, Lt Col Kinch, and Lt Crandall as was the early Sunday flight.

Lt Schmidt, Lt Trotochaud, and Lt Col Rocketto flew the last mission on Sunday afternoon.

### AEROSPACE CHRONOLOGY

June 20, 1926 and 1925 – In 1925, USCG Vought UO-1 Seagull became the first aircraft to engage in a pursuit of a rum-runner. On this same date in 1926, the Coast Guard opens their first permanent air stations at Gloucester, Massachusetts and Cape May, New Jersey.



*USCG Seagull on its beaching gear.*

June 21, 1946 – A USAF P-80 Shooting Star carries the first airmail flown by a jet. Maj Ken Chilston departed Schenectady, N.Y, the site of General Electric's Air Research Laboratories and flew a small amount of mail to Washington and Chicago before returning to Schenectady.



*One of the First Jet Airmail Letters*

June 22, 1941– Within the first hour of the war, Soviet pilot Lieutenant I I. Ivanov flying a Polikarpov I-16 of the 46th Fighter Air Regiment rams a Heinkel He 111, the first of nine Soviet aerial rammings that day and more than 200 during the war; Ivanov is killed in the ramming and receives the Gold Star of a Hero of the Soviet Union.



*“Rammer and Ramee”*



June 23—A Big Day of First Flights

1784-In Baltimore, Edward Warren, a thirteen year old, makes the first manned hot air flight in a tethered balloon. After the flight, Warren was given a sum of money making him the first professional pilot.



1905-First Flight of the Wright Flyer III



*Wright Flyer III at Huffman Prairie*

1913-First Flight of the Sikorsky S-21, Ruskii Vityaz. The S-21 is the first four engine aircraft

and the first purpose designed bomber.



*The S-21 suffered a curious fate. While parked, another aircraft flying overhead had its engine fall off which dropped on top of the S-21, destroying it.*

1921-First Flight of the R38 Class airship.



*At the time, the world's largest airship, the R-38 was sold to the US Navy and designated ZR-2. It suffered structural failure during its acceptance trials and crashed into the Humber River, killing 44 of its 49 crew members.*

1924-First Flight of the Focke-Wulf A16, Focke-Wulf's first aircraft.



1935-First Flight of the Bristol 130A Bombay



The Bombay was designed to carry troops, cargo, or act as a bomber. It was involved in some notable events during World War II. It was employed in the Anglo-Iraqi War, the African Campaign and used to evacuate the Greek Royal Family from Crete. The British Special Air Service, today one of the premier special operations forces, used Bombays during its first operational mission when they attacked five German airfields in the Western Desert.

*(Photo Credit: Mr. B.J. Daventry, IWM)*

1942-First Flight of the Martin JRM Mars. The Mars was the largest flying boat used by the US Navy. Two of the seven built survive and were last used by Canada's Coulson Flying Tankers to fight forest fires. Their current status is uncertain and the Navy is hopeful of obtaining one for its museum in Pensacola.



*Philippine Mars at Coulson's Sproat Lake base.*

1948-First Flight of the Arsenal VG 70. The aircraft was a post-war French project which used a captured Junkers Jumo engine as a power plant.

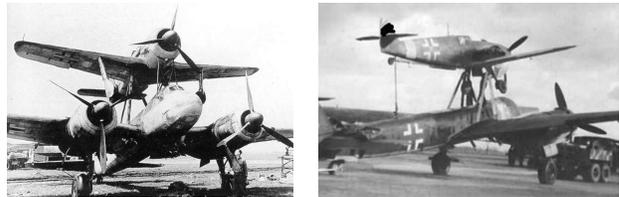


1994-First Flight of the Antonov AN-38



*The AN-38 was a moderately unsuccessful regional airliner produced in Ukraine.*

June 24, 1944 – The Luftwaffe makes its first operational use of the Mistel, a “composite” aircraft consisting of a fighter mother ship and a JU-88 bomber as the “missile.”



*Two varieties of Mistel, FW 190 and Me 109 motherships.*

June 25, 1944 – First Flight of the “composite” powered Ryan FR Fireball, using both a turbojet and piston driven propeller. The Navy needed the propeller because the early jets were not powerful enough for carrier driven aircraft. Two other composite powered aircraft were also built, the Curtiss XF-15C and the Douglas XF-2R Skyshark.



June 26, 1945– The U. S. Army Air Force and Navy adopt “knot” and “nautical mile” as standard aeronautical units for speed and distance. A nautical mile is about 6,080 ft. (1,853 m), and knot is the equivalent of one nautical mile per hour. The nautical mile is equivalent to a minute of arc on a great circle and eases the calculations needed in navigation.

The knot gets its name from the method used to measure speed. A wooden panel called a chip log was attached to a long line and thrown overboard. The chip log was weighted to float vertically which caused a lot of drag. The line, with knots placed at predetermined distances, was paid out. The number of knots run out were counted for a specific time measured by a sand-glass. The number of knots was calibrated to a speed.



*The silver object to the left of the chip log is a lead plumb bob. Detach the chip log and attach the plumb bob and you have a lead line used to measure depth, a handy dual use for the spool.*

*(Photo Credit: Australian National Maritime Museum)*

### **ADDENDUM**

Our faithful watchdog, Lt Col Dolan wrote to remind the Coastwatcher that the PanAm Clipper *America* which made the first scheduled round the world commercial flight was the same aircraft which made an emergency landing on Windham Airport. This occurred on June 8, 1946.

Dolan was 17 at the time and was working for a poultry company catching and loading chickens. They heard the Connie circling and saw it come through the clouds, heard it land, and then jumped into a truck and headed to the airport.



The cause of the emergency landing was a fire in the number three engine. Repair crews put an aluminum path on the nacelle and it was ferried out on three engines for permanent repairs.

The incident has previously been reported in *Coastwatcher 11.37* in a feature entitled *When the Constellations and Stars Fell on Eastern Connecticut*.

### **CALENDAR**

- 26 JUN-TRCS Meeting
- 04 July-Groton Parade
- 14-15 JUL-SLS Windsor Locks
- 21 JUL-Celebrate East Lyme
- 30 JUN-1 AUG-SAREX Plainfield
- 4-5 AUG-CLC Windsor Locks
- 11-18 AUG-CTWG Encampment
- 19 AUG-National Aviation Day-Groton
- 22 SEP-Preston Scarecrow Festival
- 25 SEP-Fruit Sale Starts
- 29 SEP-Glider Flights-Springfield, Vt.
- 06 OCT-Groton Fall Festival
- 11-12 OCT-UCC
- 11-14-CTWG/NER Conference
- 10 NOV-Cadet Ball
- 25 DEC/01 JAN-No Meetings