



Missions for  
America  
*Semper vigilans!*  
*Semper volans!*

## The Coastwatcher

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Composite Squadron  
Connecticut Wing  
Civil Air Patrol  
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25 July, 2017

### CALENDAR

*See the Squadron Calendar for Meeting Details*

01 AUG-Staff Meeting  
05 AUG-TLC  
08 AUG-Commander's Call  
14-20 AUG-CTWG Encampment  
15 AUG-ES Training  
21 AUG-ES Training  
19 AUG-National Aviation Day-GON  
29 AUG-Senior Social Night  
31 AUG-02 SEP-CAP National Convention  
09 SEP-CTWG Smallbore Rifle Clinic  
9-10 SEP-SLS  
06-07 OCT-AOPA GON Fly-in  
14-15 OVT CLC  
21 OCT-CTWG Smallbore Rifle Clinic  
4-5 NOV-UCC

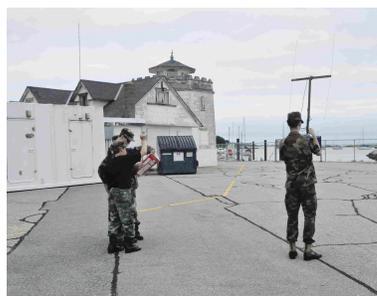
### CADET MEETING

25 July, 2017

6:00 pm - Safety Briefing (R. Schantz)

Maj Bourque took Lt Schmidt, C/Maj Hollingsworth, and C/CMSgt Hanna Ramsey and C/MSgt Daniel Ramsey on the last training mission which they needed to complete the Urban Direction Finding training.

The trainees successfully tracked an emergency locator beacon to UConn's Avery Point Facility, found it on the colleges research vessel RV Weicker, and silenced it. During this time they maintained contact with Groton Base.



*A hand-held  
direction finder is  
employed to  
locate the  
emergency  
training beacon.*

*C/Maj  
Hollingsworth  
manning the search  
vehicle radio to  
maintain contact  
with Mission Base.*



At Groton Base, C/SMSgt Benjamin Ramsey manned the radio and provided instruction for three cadets seeking to qualify under the ICUT program. C/SrA Christopher Munzer successfully completed his practical test. Cadets Rhys Thornell, John Pineau, and Colin Hallihan observed the radio procedures which included, a net check-in, lost communications, and communication relays.

## SENIOR MEETING

*25 July, 2017*

The aircraft status and LISP information was updated.

Capt Miller briefed the Squadron on the use of marine tracking websites.\ and the use of the Becker direction finder.

The recruiting program was discussed and after a final trimming of our presentation, Squadron members will visit organizations which hold promise. The first group to be met with is the FAA Aviation Career Education Academy, a youth program designed to introduce youngsters to opportunities in aerospace. The local ACE academy will be held at Groton Airport from the 24th of July to the 28th. It is under the direction of Stuart Sharack, A CAP Aerospace Education Member who was the first public school teacher selected to receive CAP's National Teacher of the Year award.

## AVIATION CURRENT EVENTS

### *Game of Drones*

A previous article in *The Coastwatcher* discussed the many ways to bring down an obnoxious drone spying on your private activities, turning the tables on those who play the game of drones by turning drones into game. Birds of prey, compressed air driven nets, drone interceptors, and shotguns were all discussed.

Technology has now, as could be anticipated, provided a solution. Batelle Memorial Institute is a private, non-profit applied science and technology organization headquartered in Columbus, Ohio. Among their achievements are the Universal Products Code and heavily contributed to xerography and the compact disc have developed a new rifle-like electronic solution to the pesky drone. Behold, the Drone Defender.



The Drone Defender projects pulsed radio waves which can interfere with the communications systems and GPS of a drone. A jamming function prevents any further control of drone systems by its operator. It has a range of 400 meters, operates for five hours, and can operate from a cold start in 0.1 seconds. The hand unit weighs 15 pounds and power is supplied from a 10 pound backpack. The system employs radio bands not available to the law-abiding public and there are no publicly known plans to offer the system for sale on the commercial market.

Reports indicate that the Department of Defense and the Department of Homeland Security have contracted for 100 units at an undisclosed cost.

### *Earhart and Noonan Mystery Solved Again!*

The History Channel presented another “solution” to what happened Amelia Earhart and Fred Noonan when they disappeared attempting a flight from Lae, New Guinea to Howland Island.

Members of *The Coastwatcher* staff have long ago lost faith in the “history” programs which this channel has broadcast. Extraterrestrial alien visitors to earth, Big-Foot, and Indiana Jones are not by any stretch of the imagination fit subjects for history. But in a nation in which almost half the population believe in ghosts or astrology, it is not surprising that a commercial enterprise which

derives income based upon the number of its viewers will pander to the credulous public.

The History Channel relied on a photo discovered in the National Archives in 2012 which shows a group of natives standing on a dock on an island which is part of Jaluit Atoll. A white woman sitting back to camera, head turned to right, and a white man facing the camera are visible. A ship in the background has a indistinct object on the stern claimed to be the aircraft.



PL-MARSHALL ISLANDS, JALUIT ATOLL, JALUIT ISLAND, ONI #14381  
JALUIT HARBOR.

The chief claimants that this is proof that Earhart and Noonan survived is Shawn Henry, billed as a former assistant executive director of the FBI and Les Kinney, a retired treasury agent, who discovered the photo.

A day after the broadcast, a Japanese "military history blogger," Kota Yamano, presented evidence that the photo was published in a book in 1935, two years before the disappearance. According to sources, the book has been published on-line by the Japanese National Diet Library. The History Channel states that they are "exploring the latest developments about Amelia Earhart and we will be transparent in our findings."

### AVIATION CHRONOLOGY

25 July, 1939-First Flight of the mediocre twin engined Avro Manchester, subsequently modified into the superb four engined Lancaster heavy bomber.



*The lamentable Manchester*

*Replace two poor Rolls-Royce Vulture engines with four R-R Merlins and behold, the superb Lancaster* (Photo



*Credit: Ronald MacDonald)*

26 July, 1998-First flight of the Scaled Composite Proteus designed to investigate the use of aircraft as telecommunications relays.



27 July, 1939-The first flight of the Douglas B-23 Dragon. This little know bomber was the first to be equipped with a tail gun.



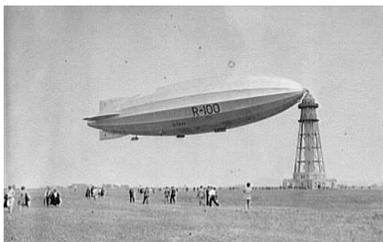
*The tail-gunner fired the single .50 caliber machine gun from the prone position.*

28 July, 1982-The first McDonnell Douglas CF-18 Hornet is delivered to the Canadian Forces Air Command.



*CF-18 releasing a laser-guided bomb.*  
(Credit: Canadian MoD)

29 July, 1930-The British airship R.100 makes a successful flight to Montreal and return. Privately funded, the R.100's chief designer was iconic engineer Barnes Wallis assisted by Chief stress engineer Nevil Shute who later gained fame as a novelist. The aircraft was in competition with the government designed and built R.101. When the R.101 crashed on its first commercial flight, the British government ended plans for imperial airship routes and the R.101 was ordered scrapped.



*R-100 moored to its mast in Canada*  
(Photo Credit: Theodor Horydczak-Library of Congress)

30 July, 1909-Orville Wright flies with passenger Lt. Benjamin Foulois and successfully completes flight tests in the Wright Military Flyer for the U. S. Army at Fort Myer, Virginia. The Army buys the airplane for \$30,000. Fuolois, a native of Washington, Connecticut goes on to become a major general and chief of the Air Corps.



*The box to Foulois' right is a radio. Note the soldier preparing to prop the port propeller.*

31 July, 1972-Delta Airlines Flight 841 is hijacked by five members of the Black Liberation Army. The passengers were released for a \$1 million dollar ransom and ended up in Algeria which returned the money and aircraft and quickly released the perpetrators.



(Photo Credit: Joe Proctor)

In 1972, Pan Am Flight 841, a Boeing 747, was hijacked over the South China Sea by a South Vietnamese dissident protesting the war and who carried a package which he claimed was a bomb. During a purported refueling stop, the Captain, Eugene Vaughn returned a pistol to a passenger who was a retired police officer and while speaking to the hijacker threw him to the floor where two passengers pinned him and took the package. The police officer then shot the hijacker five times.

Afterwards, Vaughn's home was vandalized and a note left behind which read "Pig Eugene Vaughn guilty of murder. To be punished later. Long live Nguyen Thai Binh. Victory to the Vietnamese. Death to the American aggressor." Vaughn's retort was "A lot of time and effort has been spent on trying to prevent hijackings, but the only thing that will be effective is a mandatory death penalty, without any loopholes." [

In 1979, TWA Flight 841, a Boeing 737, entered an uncommanded roll to the right and spiral dive. The pilots regained control and successfully executed an emergency landing. The crew was accused of mishandling the flight controls but some evidence has surfaced which indicates a mechanical malfunction.

Care to buy a ticket on Flight 841?