



*The
Daedalean
Semper Discens*

*Monthly Aerospace Education Publication of the
Connecticut Wing of the Civil Air Patrol*

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SCHEDULE

21 JUL0-03 AUG-NESA-Camp Atterbury, IN
27 JUL-CADET Ball-USCGA
06 AUG-09 AUG-GLR AE School
10 AUG to 17AUG-CTWG Encampment

SQUADRON AEROSPACE NEWS

*143rd Composite Squadron
Waterbury*

C/TSgt David Maciel demonstrated the prize winning robot developed by his high school team. CAP has recently initiated a robotics program as a elective in its aerospace education activities and texts are available from the CTWG DAE, Major Rocketto.

Waterbury cadets worked with the USAFR 439th Aeromedical Staging Squadron at Westover ARB, playing the part of injured soldiers. The cadets were treated for their "injuries," loaded on board a C-17 outfitted to carry casualties, and enjoyed a short flight while medics practiced in-flight care.

Waterbury also performed CAP outreach services by participating in two community activities. The squadron marched in parades in Waterbury and Naugatuck and set up CAP information booths.

*Royal Charter Composite Squadron
Hartford*

Royal Charter cadets teamed up with the Waterbury squadron in the exercise conducted at Westover ARB by the USAFR 439th Aeromedical Staging Squadron

*Thames River Composite Squadron
Groton*

Two TRCS cadets, C/Maj Brendan Flynn and C/1st Lt Drew Daniels matriculated at the United States Coast Guard Academy, Class of 2017.

Northeast Region announced that Cadet Flynn has been named winner, in the cadet category, of the Frank G. Brewer Memorial Aerospace Award.

National Headquarters announced that LtCol Stephen Rocketto has been named winner, in the CAP officer category, of the Frank G. Brewer Memorial Aerospace Award.

**PLANETA GRADUATES FROM US NAVAL
ACADEMY**



George Planeta, a former member of the Silver City Squadron in Meriden has graduated from the US Naval Academy, Annapolis, Maryland and been commissioned a 2nd Lt in the US Marine Corps.

While at Annapolis, George participated as a member of the rifle team. He won the Secretary of the Navy Rifle Match and has earned 24 points of the 30 needed for the gold Distinguished Rifleman's Badge.

AEROSPACE HISTORY

Aerospace Events on the Glorious Fourth

From time to time, *The Coastwatcher* presents an aerospace chronology. In honor of Independence Day, we have searched out aerospace events occurring on the fourth of July. Each of the following milestones occurred on July 4th of the year indicated.

1908-Louis Blériot pilots his Model VIII, the first monoplane on a five minute flight.



Typical Bleriot Monoplane

1908 - Glenn H Curtiss flew more than a mile at Hammondsport NY in the AEA's June Bug, bringing him the *Scientific American* trophy. Fitted with wingtip ailerons, it also brought a warning from the Wrights about infringement of their patent.

1919-Great Britain's first passenger carrying dirigible, the R 34 is halfway between Scotland and New York on its first trans-Atlantic flight.

1923-Lts. R. Olmstead and J.W. Shoptaw win the National Elimination Balloon Race covering a distance of 499.5 miles.

1927-Lt. C.C. Champion, USN sets a new absolute altitude record for heavier than air craft, flying a Wright Apache equipped with a 425 hp Pratt & Whitney engine to a 37,995 feet.



Lt. Champion and his float equipped Apache with which he set the record over NAS Anacostia

(US Navy Photo)

1930-An airborne endurance record of 23d, 1h 41m and 30s was set by brothers John and Kenneth Hunter in a Stinson SM-1B *City of Chicago*. The flew about 40,000 miles and were refueled from an aircraft flown by brothers Albert and Walter.

1930-R.J. Blair and F.A. Trotter of the Goodyear-Zeppelin Corporation win the National Elimination Balloon Race flying over 800 miles.

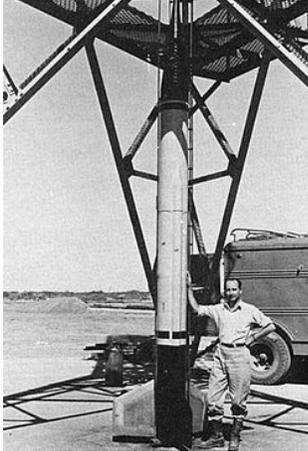
1931-Fourteen aircraft started on the 4,858 mile National Air Tour.

1942-The first US Army Air Force mission in Europe is flown by US pilots flying RAF Douglas Boston bombers.



Bostons Over the North Sea (RAF Photo)

1945-This is the middle day of a Jet Propulsion Laboratory experiment flying 1/5 scale models of the WAC Corporal rocket at the Goldstone, California range. The full scale WAC Corporal became the first US sounding rocket.



A Jet Propulsion Lab founder, Frank Malina, poses with prototype WAC Corporal.

(JPL Photo)

1960-Max Conrad, noted long distance aviator, sets a world's close course record flying a total of 6,921.28 miles. He accomplished eight laps of an 865 mile triangular course with Minneapolis, Chicago, and Des Moines at the vertices.



Conrad's Record Setting Piper PA-24 Comanche

1963-Bob Fisher and Cliff Aldefer make the first landing of a single engined aircraft at the North Pole. They flew a ski-equipped Cessna 180 from Point Barrow, Alaska.



Canadian Registered C180 Skywagon on Floats

1968-Explorer 38, launched from the Western Test Range, entered a 3,700 mile orbit in a study of low frequency radio sources in the solar system and galaxy.

1975-The Boeing 747SP makes it first flight. The "Special Purpose" Boeing was a shorter and lighter version of the 747 optimized for long range flights.

1998-Japan launched its first Mars probe, *Nozumi*.

FOURTH OF JULY GREETINGS FROM PETER JENSEN

Former CTWG Commander Peter Jensen sends greeting to all of us. He is now flying with the US Coast Guard Auxiliary. A picture of Pete, his crew, and his plane at HPN are posted below.



HMS EREBUS AND "THE ROCKETS RED GLARE"

HMS Erebus was a Royal Navy fireship. Erebus, in Greek mythology, was the god of darkness. Ironically, fireships were vessels filled with combustible material and explosives, set alight, a positioned to drift into an enemy's fleet. But the name fits since the god of darkness also personified chaos and the fireship could create chaos in an enemy formation.

She served in a number of roles but in 1814 was converted to fire the Congreve rocket. In 1814, *Erebus*, in consort with a squadron of bomb vessels, sailed up the Patapsco River to Fort McHenry. The bomb vessels carried mortars

which fired high trajectory explosive shells designed to reduce fortifications.

Erebus was armed with 32 pound Congreve rockets which could be fired through ports in the side of the ship. The rockets consisted of a iron case, a black powder propellant, a wooden guide pole and an explosive warhead.

The flaming exhaust of the rockets and the mortar rounds, bursting in air illuminated the 15 star banner over McHenry and inspired Francis Scott Key to pen a poem on an old envelope which became our national anthem.

GREAT LAKES REGION AEROSPACE EDUCATION ACADEMY

LtCol Woody Williams, DCS, AE in the Great Lakes Region has announced that their annual Aerospace Education School for Aerospace Education Officers and others interested in teaching aerospace will once again be held from Tuesday, 06 August to Friday, 09 August at the USAF Museum at Wright-Patterson AFB. The cost is \$35 and low cost billeting is available at the nearby Wright State University. Registration is available on-line at:

<https://events.capnhq.gov/OnlineStore/GreatLakesAEOSchool.aspx>

or contact LtCol Sherwood at: dr-w@new.rr.com

2013 CTWG ENCAMPMENT

Encampment staff has been selected and two training sessions have been held. A wide range of activities are either scheduled or in development. The deadline for applications is 07 July so any cadets wishing to attend should go to the encampment website for information and application procedures.

<http://www.ctwgencampment.org/>

CTWG RIFLE SAFETY AND MARKSMANSHIP PROGRAM

The rifle program will offer three opportunities to learn about firearms safety and qualify for marksmanship medals. These will be held in September, October, and November. Dates will be announced when the schedule is finalized.

AEROSPACE CURRENT EVENTS

Gerry Yagen, proprietor of the Military Aviation Museum in Pungo, Virginia has announced that financial considerations have forced him to close down his operation and sell off his aircraft.

The museum, sometimes referred to as The Fighter Factory, has a remarkable collection of original and replica aircraft ranging from World War One to Vietnam, almost all of which are airworthy and fly in airshows. A few of his remarkable collection are shown below. You will note some other parts of his collection in the backgrounds.



Junker 52/3



Fokker D.VII



*DeHavilland
DH.82A in
Royal Flight
Colours*



Curtiss P-40 Warhawk in Flying Tiger Livery



Royal Flying Corps Sopwith One and a Half Strutter



Bell P-63 Kingcobra in Russian Air Force Colors



An N3N-3, often confused with the Stearman PT-17 Kaydet. The N3N series were built by the the Naval Aircraft Factory in Philadelphia, a federally owned business. The aircraft was used a a basic trainer and was the last biplane to see US military service as a float plane based at Annapolis for naval cadet orientation flights.



Hawker Mk.11B Hurricane Wearing Battle of Britain Markings



Yak-3M



Soviet Polikarpov I-16

In 1991, this aircraft was constructed by Yak from original parts and dies left over from the World War II production.