



## ***The Daedalean*** **Semper Discens**

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

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### **CALENDAR**

14 Jun-Wing Rocket Competition  
15 June-Bradley Open Cockpit Day  
28-29 June-Quonset Air Show  
4-13 July-Wing Encampment  
21-23 July-AIAA AE Conference-Hartford  
19 July- Wing SAREX  
20-24 July-AIAA A/S Education Conference  
27-28 Sept-Squadron Leadership School  
16-18 Oct-NCASE  
18-19 Oct-Corporate Learning Course  
22-23 Nov-Unit Commanders Course  
6-7 Dec-Training Leaders of Cadets Course

### **AEO REPORT RESPONSIBILITIES**

Please submit your monthly aerospace education reports as required.

### **SQUADRON VISITATIONS**

The Director of Aerospace Education visited Royal Charter Composite Squadron on 16 May and Danielson Cadet Squadron on 22 May. The next planned visit will be with Silver City Cadet Squadron on 2 June.

The purposes of the visits are to share ideas, resolve problems, and observe squadron aerospace activities.

### **AIAA CONFERENCE**

The American Institute of Aeronautics and Astronautics will be sponsoring an aerospace educational conference titled "Passport to the Future" at the Joint Propulsion Conference which will be held in July in Hartford.

The Wing and the Connecticut Chapter of AIAA encourages AEOs to attend. The dates are Monday and Tuesday, 21-22 July. Cost is \$50 and we are attempting to find underwriters for your fees.

Please contact Capt Rocketto, Wing DAE, at the letterhead email address if you are interested and require more information.

### **AIAA GIVEAWAY**

The Connecticut Chapter of the AIAA is giving a book on an aerospace topic to each of its Educator Associate Members. So far, only Col Provost and Capt Rocketto have taken advantage of this offer. To be eligible, you must be an Aerospace Associate and this will cost you nothing. Just go to the following website and follow the instructions.

<http://www.aiaa.org/content.cfm?pageid=208>

Follow the links and fill in the simple on-line form. For organization, use "Civil Air Patrol." For grade/class use "HS Aviation."

## ROCKET CONTEST

The competition for The Commander's Cup will be held on 14 June. The rules follow:

Three (3) Rockets will be entered per squadron as described below.

### *I. An Historical Rocket.*

The rocket had to have been submitted at the Wing Conference with the required essay. It will be flown on June 14th.

### *II. A Scratch Built Rocket (Squadron Designed)*

The Following parameters will be used:

1. Powered by a B6-4 Engine
2. Minimum of 16 inches Tall
3. Minimum of Four Fins
4. Parachute Recovery
5. Decorated with a squadron theme

ONLY appropriate NAR certified materials (no paper towel tubes) may be used.

### *III. An Estes Alpha (non plastic fins)*

This rocket will be built by a Cadet who is new to the CAP Rocketry Program this year (2008) and who did not compete in the 2007 contest and has not completed the 2nd phase of the CAP Rocketry Program (Titan) as of 31 December, 2007. The rocket will be painted with a "Civil Air Patrol" theme of the participant's choice.

In addition, the Director of Aerospace Education will sponsor a quiz based upon material found in the Rocketry Manual which is used for testing for the three phases of the program. Some additional general knowledge questions may be used in case of a tie. The quiz will be multiple choice and will be taken by a participating Squadron as a group. That is, each Squadron may poll all of their Cadets to arrive at the best set of answers. A book with an rocket theme will be awarded to the winning squadron.

## ENCAMPMENTS

The Wing Encampment at Norwich University is still on but the price has gone up. Cadets who wish to attend an encampment this summer might check the programs for the Massachusetts Wing at Fort Devens (10 Aug-17 Aug). Contact Maj John S. Flaherty at flahertyjohn@msn.com.

The Northeast Regional Encampment will be held at Otis Air National Guard Base 22-30 July. In addition to the Basic Encampment, they will also run an NCO Academy, Cadet Leadership School, and Honor Guard Academy. Information may be found on the Northeast Region web site.

## MAGAZINE GIVEAWAY

A large number of aviation magazines have been left a Wing Headquarters and are free for the taking. They are located just outside the lavatory on the fourth floor. Many are recent. The list includes *Flying*, *AOPA Pilot*, *Air Force*, *Smithsonian Air and Space*, and *Aviation Week and Space Technology*.

## FRUIT SALE

Last year, about half the Wing participated in the Citrus Fruit Fundraiser and over \$5,000 profit accrued. Permission has been given to run the fund raiser again and plans are now being made. Essentially, we will start earlier and discuss strategies for maximizing profit and making distribution easier. An organizational meeting is planned for August or September and will be announced in this publication.

## MEMORIES OF JUNE'S PAST

1 June, 1953-The Thunderbirds are activated.

2 June 1957-Capt Joseph Kittinger flies first solo balloon flight into stratosphere reaching 96,000 ft.

3 June 1965-Maj Edward H. White completes first U.S. spacewalk.

4 June, 1931-Robert Swan carries mail aloft over Atlantic City in a rocket powered glider.

5 June, 1948-Capt Glen Edwards goes west in crash of Northrop YB-49 at Muroc Dry Lake.

6 June, 1957-The First transcontinental carrier to carrier flight performed by two F8Us Crusaders and two A3D Skywarriors from *USS Bon Homme Richard* in the Pacific to the *USS Saratoga* in the Atlantic.

7 June 1915-LZ 37 downed by use of Brock bullet.  
8 June, 1959-A. Scott Crossfield makes first unpowered flight in North American X-15.

9 June, 1959-*USS George Washington*, first FBM submarine launched in Groton.

10 June, 1953-A.Scott Crossfield makes first flight of the Douglas D-558-1 Skystreak.



*Skystreak at the old Pensacola Naval Aviation Museum*

11 June, 1926-First Flight Ford Trimotor



*Island Airways "Tin Goose" at Port Clinton, OH*

12 June, 1965-First Flight Britten-Norman Islander.



*Air Jamaica Islander*

13 June, 1979-Bryan Allen pedals Paul McCready's Gossamer Albatross across the English Channel.

14 June, 1912-Cpl Vernon Burge becomes the first enlisted pilot in the U.S. Army.

15 June, 1958-CAA initiates use of GMT for all ATC operations

16 June, 1945-First Flight North American XP-82 Twin Mustang

17 June, 1949-First Flight Lockheed PO-1W Constellation radar picket aircraft.



*Picket on patrol*

18 June, 1861-Thaddeus S. C. Lowe makes sends first telegraph message from a balloon.

19 June, 1962-Lt. C. Judkins, USMC, falls 5000 ft into Pacific after parachute failure and survives to fly again.

20 June, 1941-United States Army Air Force formed with Maj. Gen. H.H. Arnold as Chief.

21 June, 1930-Mike Melvill pilots SpaceShipOne to an altitude of 62.5 miles to become first astronaut flying a privately developed spacecraft.

22 June, 1962-Jacqueline Auriol of France sets a new womens speed record of 1150 mph flying a Dassault Mirage III.

23 June, 1905-Wrights initiate flying at Huffman Prairie, Ohio using a Flyer III.

24 June, 1970-Col. Roscoe Turner goes west.

25 June, 1945-Construction starts on the White Sands Proving Grounds, New Mexico.

26 June, 1942-USAAF and USN choose knot and nautical mile as standards for airspeed and air distance.

27 June, Lt. William G. Hudson, 68th Fighter All-Weather Squadron, flying a North American F-82C, shoots down a North Korean Yak scoring the first air to air victory of the Korean War.



Night Fighting Twin Mustang

28 June, 1957-The Strategic Air Command receives its first Boeing KC-135 air tanker.

29 June, 1954-SAC receives its first Boeing B-52.

30 June, 1968-First Flight Lockheed C-5A Galaxy.



*Galaxy on approach.*

### U.S. ASTRONAUT WINGS

Not all U.S astronauts ride into space from Cape Canaveral. At least ten pilots have qualified for the rating by launching from a different location.

The basic requirement is to fly into space. The United States defines this distance as exceeding 50 miles in altitude. The *Federation Aeronautique Internationale* sets the altitude at 100 km (62.5 mi).

The three North American X-15s were flown by 12 different pilots. Astronaut wings were awarded to USAF pilots Michael Adams, Joe Engle, William Knight, Robert Rushworth, and Robert White. NASA X-15 astronauts were William Dana, John McKay, and Joseph Walker. Four X-15 pilots did not exceed the required 50 miles. They were NASA's Neil Armstrong and Milt Thompson, USN aviator Forrest Peterson, and North American test pilot Scott Crossfield. All flights were conducted out of Edwards Air Force Base.

Two civilians, the pilots of SpaceShipOne have been awarded Commercial Pilot Astronaut Wings by the Federal Aviation Administration. They are Mike Melvill and Brian Binnie both of whom launched from Mojave Spaceport.

As a matter of interest, Scaled Composites SpaceShipOne is N328KF and is registered as a glider. The "N-number refers to 328 kilo feet or 328,000 feet which converts to 100 kilometers