



GROUP 3 AEROSPACE EDUCATION *FLYER*

<http://gp3.cawgcap.org/live-facebook-feed/>

A RECENT SUCCESS

Palm Springs SQ11 AE night using this month's AE activity. The Cadets and Squadron Pilots finished the night with a Fly-Off. The Cadets won.

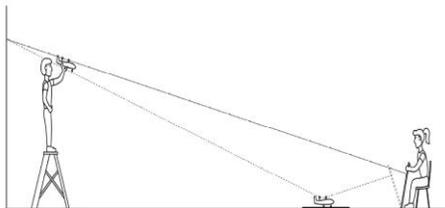


Illustration showing hook-up is by Seth Stewart.

WHAT IS ON THE CALENDAR:

Planes of Fame Air Show May 6-8 – Chino Airport

Red Bull Air Races 15-16 April San Diego

AOPA Regional Fly In 28-29 April Camarillo Airport

FUTURE CAP EVENTS

NCSA Remote Control Aircraft March ARB 1 July – 8 July

Aerospace Education Summer Camp Edwards AFB 30 July – 5 August

Big Bear Air Fair 26 August

AE Night "Plunger Flight"

Back in the Seventies, a toy known as "U FLY IT™," was produced by a company called Cootie Manufacturing. This activity was inspired by their "simulator." Here's how it works: One end of a long piece (30 feet) of fish line is tied to a wooden stick, like an old broom handle, that's been cut to a length of about 24 inches. This becomes the "pilot's joystick." The opposite end of the fish line is positioned so that it is approximately 30 feet away and 10 feet higher than the pilot's joystick.

A toy airplane, with two eye screws mounted on the top of the fuselage, is positioned on the fish line and held there by an assistant, until the pilot is ready.

A "runway" made with masking tape or a piece of cardboard, is laid out on the floor ahead of the pilot. When the pilot gives the signal, the person holding the little airplane releases it and lets it slide down the fish line.

As the plane slides down the line, it gathers speed. The object is for the pilot to land the airplane. If the pilot pushes forward on the stick, the line slackens and the airplane picks up more speed. If the pilot isn't careful, the little plane will land short, or undershoot, the runway. If the pilot pulls back too much, the airplane will overshoot the runway. After a little practice, the pilot learns how to "fly" the airplane and make it land to a full stop on the runway!

REMEMBER WHY WE ARE HERE

The authority for CAP's aerospace education and training mission is derived from Title 36 of the United States Code, Section 40302. The law states that among the organization's purposes are "To provide an organization to encourage and aid citizens of the United States in contributing their efforts, services, and resources in developing aviation and in maintaining air supremacy" and "To provide aviation education and training especially to its senior and cadet members."

Aviation History

Aviation History Facts: April

April 4

- In 1946... Sears, Roebuck & Company begins a new, regular weekly overnight shipment of women's clothing from New York to the West Coast by airplane. (OTM)

April 5

- In 1937... The Douglas Aircraft Company takes over Northrop. (AYY)

April 6

- In 1890... Anthony Herman Gerald Fokker, Dutch pioneer airman and aircraft manufacturer, is born in Kediri, Java. His Fokker D.VIII was one of the finest all-around fighters of the WWI. He became a naturalized U.S. citizen and his Fokker T-2 made the first non-stop flight across the U.S. In 1926, the North Pole was over flown in a Fokker trimotor airplane. (OTM)
- In 1967... Trans World Airlines (TWA) becomes the first American airline to have a fleet composed entirely of jet aircraft. (OTM)

April 8

- In 1931... Amelia Earhart climbs to a record altitude of 18,415 feet in a Pitcairn autogyro at Willow Grove, near Philadelphia. (AYY)
- In 1940... The U.S. Navy places a contract with Grumman for two prototypes of the XTBF-1, later named Avenger, a chunky mid-wing monoplane that would become the U.S. Navy's standard carrier torpedo bomber of World War II. (FF)

April 10

- In 1926... Lindberg becomes chief pilot for Robertson Aircraft Corp, flying a Saint Louis to Chicago mail route. (AYY)

April 11

- In 1911... The U.S. Army sets up its first permanent flying school at College Park, Maryland. (AYY)

April 12

- In 1972... Members of the USAF's 31st Aerospace Rescue Squadron pick up Charles Lindbergh and a scientific team from the jungle on Mindanao Island, Philippines, after their helicopter crashed while on an anthropological survey. (AYY)

April 15

- In 1909... A crowd at the Centocelle Field, Rome, Italy, sees Wilbur Wright make a 10-minute flight in which he reaches an altitude of 98 feet. (AYY)
- In 1925... The U.S. Navy begins a program of daily flights to an altitude of 10,000 ft. from the Anacostia Naval Air Station in Washington, DC. The main purpose of these flights is to obtain weather data and to test upper-air sounding equipment that collects information that could be used to forecast weather. (F&F)

April 16

- In 1973... The Florida State Senate votes unanimously to restore the name "Cape Canaveral" to the NASA establishment which was renamed "Cape Kennedy" shortly after the President's assassination. (AYY)

April 18

- In 1917... William E. Boeing's Pacific Aero Products Company is renamed the "Boeing Airplane Company." (AYY)
- In 1958... US Navy Lieutenant-Commander George Watkins flies from Edwards Air Base in California to a world record absolute altitude within the atmosphere of 76,932 feet in a Grumman F11F-1 Tiger. (AYY)

April 23

- In 1939... The U.S. Civil Aeronautics Authority raises the eligibility age for obtaining a private pilot license to 18 years from the previous 16 years of age. (OTM)
- In 1988... The U.S. government's ban on smoking on flights of two hours or less goes into effect. "No Smoking" signs remain lit on 80% of domestic airline flights. Flight attendants are to be armed with gum and candy for those in anguish. (AYY)

April 24

- In 1917... Lt. Col. William "Billy" Mitchell becomes the first U.S. Army officer to fly over German lines. (AYY)

April 26

- In 1962... In utmost secrecy at the remote airfield in Groom Dry Lake, Nevada, the first Lockheed A-12 makes its first flight. It is the first of a family of top-secret spyplanes. (AYY)
- In 1995... A Mikoyan MiG-29 sets a new FAI class C-1h world altitude record of 90,092 ft. (AYY)

April 27

- In 1913... In a floatplane, Bob Fowler makes the first flight with a passenger in Central America (and the first flight in Panama) when he flies with film cameraman Raymond Duhem from the Atlantic to the Pacific, flying 40 miles across the Panama isthmus in 57 minutes. En route, Duhem makes the first aerial film of Central America. (AYY)
- In 1929... Squadron Leader A.G. Jones-Williams and Flight Lieutenant N.H. Jenkins complete the first non-stop flight from England to India; they fly the 4,130 miles in 50 hours, 37 minutes in a Fairey Long-Range Monoplane. (AYY)

April 30

- In 1904... The St. Louis exposition opens. Octave Chanute exhibits a replica of his biplane glider of 1896, which he launches by using an electric winch. (AYY)
- In 1917... Pacific Aero Products Company changes its name to Boeing Airplane Company, with William E. Boeing as its president. (OTM)
- In 1932... An international code of air traffic communication is formally established, following the decision to do so at a 1927 conference in Washington, DC. The new code is based on a series of three-letter code starting with the letter "Q" ... (AYY)

Works Cited

Editor-in-Chief: Bill Gunston, *Aviation: Year by Year*, Amber Books Limited, London, UK, 2001. (AYY)
Leonard C. Bruno, *On the Move: A Chronology of Advances in Transportation*, Gale Research Inc., Detroit, MI, 1993. (OTM)
Arthur George Renstrom, *Wilbur & Orville Wright: A Chronology*, United States, Library of Congress, 1971 (COFC)

From the Centennial of Flight Website <http://centennialofflight.net/>
See www.WingsoverKansas.com for more interesting aviation information.

AE Activity

An activity to create completion between the Cadets and Senior Members

The Final Approach



AEM Recruiting – Many tools available – Always good to have a supply of these to hand out at any event

CIVIL AIR PATROL'S MARS PROGRAM

Building aerospace leaders for tomorrow

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Civil Air Patrol is the Auxiliary of the U.S. Air Force and, as such, has three main missions: to serve America; Aerospace Education (AE); Cadet Programs for youth ages 12-20; and Emergency Services for disaster relief, search and rescue, and homeland security. The AE mission is to educate, inspire, and instill an appreciation for and an understanding of aerospace in our world. CAP is helping develop the aerospace workforce for the future!

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We want to develop a Recruiting Booth standard so please send some examples of what you have and feedback on what you would like or want in a Group 3 Recruiting Booth that can be shared with all Squadrons
