



Chapter 334

Groton, CT

June 2019 Newsletter #33

In This Issue:

... you will find an article on the maiden flight of the world's largest airplane, a modern fighter than managed to catch up with its own bullets, plans for the Commemorative Air Force to fly C-47's and DC-3's from a local airport for a D-Day reenactment in France.

We want to increase active membership in our chapter so if you want to find out more, send me an email and we'll talk tedjgordon@gmail.com.

Join us at any meeting for story-telling, hints and kinks, and planning of future events. You don't have to be interested in building airplanes, or even a pilot; only a healthy interest in things that fly. Meet kindred spirits. Meetings are informal. The next meeting will be on May 11, 7:00 PM at Dooney Aviation on the south side of Westerly Airport: 63 Tom Harvey Rd; Westerly, Rhode Island. If you get lost call at 860 575 3429.

This is a special meeting; in other months, meetings are on Saturday morning. So, except for this special meeting, plan on the second Saturday of the month, 10:00 AM at Dooney's.

✚ **CONTEST.** Last month no one got North Central RI Airport. This month's equally difficult and the first correct ID gets \$20. Email tedjgordon@gmail.com



Non-ADS-B Compliant? The FAA's Got A Reg

TIM COLEFROM AV WEB, 4/2/19



The FAA's policy for non-equipped aircraft, which becomes effective Jan. 2, 2020, primarily affects scheduled operators but also addresses general aviation operations.

The FAA said that it is placing the burden for approving non-equipped aircraft operations in ADS-B rule airspace, primarily on the aircraft operator—and not on the FAA. "To the maximum extent possible, operators of equipped aircraft should not be penalized or have their ATC services affected by operators who choose not to equip their aircraft with ADS-B Out equipment," the agency wrote in the policy statement. "Therefore, an ATC authorization allowing an operator to deviate from the equipage requirements of [14 CFR] 91.225 must be requested and obtained prior to the operation."

The ADS-B rules require that the operator of an unequipped aircraft request an authorization at least one hour prior to the flight. "The policy will preclude an operator from requesting and the FAA from issuing in-flight authorizations to operators of non-equipped aircraft. Additionally...the FAA will not accept requests for authorizations by telephone to ATC facilities. Not all requests for authorization will be granted."

MAIDEN FLIGHT OF WORLD'S LARGEST PLANE

David Szondy, New Atlas, April 15, 2019



The world's largest aircraft by wingspan and largest all-composite aircraft took to the air for the first time as the Stratolaunch completed its maiden flight. At 6:58 am PDT, the twin-hulled space-launcher platform took off from the Mojave Air and Space Port in California for a two and a half hour flight over the Mojave Desert.

The flight, which marked the next step in making a new orbital launch system operational, toppled an aerospace record that has stood since 1947. In that year, the Hughes Aircraft Company's "Spruce Goose" H-4 Hercules flying boat took to the air on its brief, one and only flight. It was not only the heaviest aircraft of its time, but also boasted the longest wingspan at 320 ft 11 in (97.54 m) – a record that stood until Stratolaunch took off this past weekend.

Though Stratolaunch isn't the world's heaviest aircraft, weighing in at only 500,000 lb (226,000 kg), it does have what is now the longest wingspan of any aircraft that has taken to the skies, stretching the tape measure to 385 ft (117 m). Its purpose is to carry payloads of up to 550,000 lb (250,000 kg) in the form of externally carried rockets and satellites on its reinforced central wing. During the test flight, the Stratolaunch reached an altitude of 17,000 ft (5,200 m) and a maximum speed of 189 mph (304 km/h) while carrying out a series of maneuvers to evaluate aircraft performance. These included speed and flight control tests, like roll doublets, yawing maneuvers, pushovers and pull-ups, and steady heading side slips. In addition, the aircraft ran a series of simulated landing approaches at 15,000 ft (4,500 m).

"What a fantastic first flight," says Jean Floyd, CEO of Stratolaunch. "Today's flight furthers our mission to provide a flexible alternative to ground launched systems. We are incredibly proud of the Stratolaunch team, today's flight crew, our partners at Northrop Grumman's Scaled Composites and the Mojave Air and Space Port."

Dutch F-16 flies into its own bullets

SEAN GALLAGHER - 4/9/2019, 3:30 PM

FROM: <https://arstechnica.com/tech-policy/2019/04/dutch-f-16-takes-cannon-fire-from-itself/>



The Netherlands' Defense Safety Inspection Agency (Inspectie Veiligheid Defensie) is investigating an incident during a January military exercise in which a Dutch Air Force F-16 was damaged by live fire from a 20-millimeter cannon—its own 20-millimeter cannon. At least one round fired from the aircraft's M61A1 Vulcan Gatling gun struck the aircraft as it fired at targets on the Dutch military's Vliehors range on the island of Vlieland, according to a report from the Netherlands' NOS news service.

Two F-16s were conducting firing exercises on January 21. It appears that the damaged aircraft actually caught up with the 20mm rounds it fired as it pulled out of its firing run. At least one of them struck the side of the F-16's fuselage, and parts of a round were ingested by the aircraft's engine. The F-16's pilot managed to land the aircraft safely at Leeuwarden Air Base.

The incident reflects why guns on a high-performance jet are perhaps a less than ideal weapon. The Vulcan is capable of firing over 6,000 shots per minute, but its magazine carries only 511 rounds—just enough for five seconds of fury. The rounds have a muzzle velocity of 3,450 feet per second (1050 meters per second). That is speed boosted initially by the aircraft itself, but atmospheric drag slows the shells down eventually. And if a pilot accelerates and maneuvers in the wrong way after firing the cannon, the aircraft could be unexpectedly reunited with its recently departed rounds.

As Popular Mechanics' Kyle Mizokami reported in 2017, this is not the first time this sort of thing has happened. During flight testing in 1956, a Grumman F-11 Tiger flying from Grumman's test facility in Riverhead, New York fired a burst from four 20mm cannons toward the Atlantic Ocean. The pilot then entered a steeper dive, kicked in the jet's afterburners, and went supersonic—when suddenly the windshield blew in and the engine failed. The pilot had caught up with the shells and in the process shot himself down.

Three DC3's (C-47's) WILL LEAVE FOR EUROPEAN REENACTMENT FROM WATERBURY OXFORD ON MAY 15, WEATHER PERMITTING



THE FACTS

75 YEARS
SINCE THE NORMANDY INVASION IN JUNE 1944

35 DC-3/C-47 AIRCRAFT
TO FLY OVER THE SKIES OF EUROPE

3 COMMEMORATIVE AIR FORCE AIRCRAFT
TO RETURN TO EUROPE, INCLUDING THAT'S ALL, BROTHER, THE AIRCRAFT THAT LED THE D-DAY INVASION, IN MEMORIAM TO THOSE WHO SERVED AND SACRIFICED DURING WORLD WAR II

2-MONTH LONG JOURNEY
ACROSS EUROPE, WITH AMAZING EVENTS, TOUR STOPS, UNFORGETTABLE SCENIC AND FORMATION FLIGHTS AND 250 COMMEMORATIVE PARACHUTE DROPS INTO HISTORIC DROP ZONES IN JUNE 2019



See the schedule section of this Newsletter for more information, furnished to EAA334 by the CAF.

TAMMIE JO SHULTS RECALLS EMERGENCY LANDING: 'WE'RE NOT GOING DOWN. WE'RE GOING TO PHILLY.'

Lici Beveridge, Hattiesburg American Published 4:35 a.m. CT April 5, 2019



Southwest Airlines pilot Tammie Jo Shults relies on her faith in God to steer her through life, and she said God was with her on April 17, 2018, as she safely landed Flight 1380 in Philadelphia.

The Boeing 737 was in flight from New York to Dallas when one of its engines exploded and instead of coming loose flapped in the air, continually striking the wing and fuselage of the plane, breaking one of the passenger windows.

The cabin quickly lost pressure and smoke filled the cockpit, but Shults was able to lead her crew and 143 passengers to a safe landing.

So many things were happening all at once — the engine beating on the plane, the constant shuddering, the 500 mph winds roaring through the aircraft — there were so many unknowns Shults had to contend with.

"What we did know was who was in the back of the aircraft," she said. "Everyone back there had a name."

To help allay the fears of her flight crew and passengers, she gave them something to stay focused on. "I told them we're not going down. We're going to Philly," she said. "When we have a destination we have hope. It didn't change the situation but it took away the fear of not knowing what's ahead."

Several passengers were injured. One woman, who was sitting by the window that was struck by the engine, died from her injuries.

The loss of life sticks with Shults.

"The survival of many will never eclipse the loss of one," she said. "Every life has meaning. Every life has purpose."

Shults said in addition to her faith in God, there were three things she discovered to be a big part of her ability to stay calm and focused on landing the aircraft - habits, hope and heroes.

"Habits inside the cockpit as well as out become instinct under pressure.

"Hope doesn't always change our circumstances, but it always changes us."

"Heroes don't need a title. They don't need equipment. They are simply people who take the time to listen and the effort to act on behalf of someone else."

Aside from the crew, there were three heroes the day Shults landed Flight 1380. Three passengers, putting their own safety at risk, helped the other passengers.

"There was just a sense of the value of human life that day," she said. "Everywhere I looked I saw people helping people selflessly, the way we are supposed to do."

IS THIS THE SHAPE OF THINGS TO COME?



New Folding Wing Hybrid VTOL Patented

Pterodynamics has flown a scale demonstrator of the Transwing, an aircraft that transitions from traditional fixed-wing to VTOL flight by rotating and folding the wings much like a TBM Avenger. The wings are initially folded back parallel to the fuselage, engines pointed up for vertical take off and then twist and turn into a more conventional configuration.

[Watch video →](#)

2019 EVENT SCHEDULE

REMINDER: EAA334 meetings are generally scheduled on the second Saturday of each month at 10:00 AM at Dooney Aviation at Westerly Airport. Address: 63 Tom Harvey Rd., Westerly, RI.. *BUT IN MAY, THE MEETING WILL BE HELD ON THURSDAY EVENING ON MAY 9, FOR A SPECIAL PRESENTATION BY RADEK WRONOWSKI ON IMC CLUBS (SEE BELOW)*

If you're looking for something to do next weekend check out



at support@socialflight.com. This site publishes interesting events on a Friday describing what you might do and where in the coming weekend, too short a time horizon for this Newsletter but certainly worth reviewing if you want some suggestions for the next few days.

Socialflight also has a new feature:

“Burger Flight, which makes finding a terrific airport restaurant as easy as tapping on a screen. Burger Flight is included in SocialFlight’s free app, and it shows airport restaurants as burger symbols on the map. Thousands of airport restaurants are featured on the moving map.” From <https://www.flyingmag.com/burger-flight-helps-pilots-find-airport-restaurants?cmpid=ene20190411>

Some Interesting Meetings and Podcasts (Note CST for some)

MAY 9, 7:00 PM AT DOONEY'S HANGAR ON THE SOUTH SIDE OF WESTERLY AIRPORT. SPECIAL MEETING OF EAA 334 FOR A PRESENTATION BY RADEK WYRZYKOWSKI on IMC Clubs, Safety, and Scenarios

The IMC Club's purpose is to promote instrument flying, proficiency, and safety. The intent is to create a community of pilots willing to share information, provide recognition, foster communications, promote safety, and build proficiency in instrument flying. IMC Club chapters offer monthly meetings in which pilots can network and share knowledge and experiences.

The chapter resources and scenarios are being produced and distributed as a new program by EAA IMC LLC ("EAA IMC"), an Experimental Aircraft Association Inc. subsidiary, under a license from IMC Club International Inc. This will provide resources for new and improved program offerings that will enhance and expand the impact of the IMC concept.

To provide continuity, support, direction, and programming, Radek is now the manager of flight proficiency with EAA IMC. Being part of the EAA family will provide the network, critical mass, and resources to take flight safety and proficiency to the next level. EAA IMC Club is supported by Jeppesen.

May 15. Waterbury Oxford

The Commemorative Air Force will rendezvous with the other DC 3's and C 47's and weather permitting, begin their flights to Europe. The total schedule is:

May 15: Rendezvous with other aircraft from the D-Day Squadron in Oxford, CT

May 18: Hudson River / Statue of Liberty Flyover

May 19 – May 25: Eastbound Atlantic Crossing

June 4-5: Daks over Normandy event at Duxford, England. Buy Tickets

June 5: Cross-Channel Flight and Paratroop Drop

June 7-8: Daks over Normandy event at Caen, France. Buy Tickets

June 10: Berlin Airlift 70 Public Event at Wiesbaden, Germany

June 13-15: Berlin Airlift 70 Events at Fassberg and Jagel, Germany

June 16 -17: Berlin Airlift 70 Events in Berlin Schoenefeld, Germany

May 31 and June 1: Westchester Airport

The first U.S. Aircraft Expo in New York will take place on May 31 and June 1 at the Westchester County Airport (KHPN) in White Plains. As in previous years, the U.S. Aircraft Expo will be open from 10 a.m. to 4 p.m. local time, with an aircraft ownership seminar on Friday afternoon. Aircraft manufacturers such as Textron Aviation, Piper, Quest, Honda Aircraft, Pilatus, Cub Crafters and more will be on hand to show off their new airplanes.

August 17 Groton Airport

National Aviation Day

June 8 Danielson Airport

Open House

Sept. 21 Wyndham Airport

Open House

May 30-June 2, 2019, Golden Age Glider Gathering — Bethel, PA — Hosted by the Golden Age Air Museum. This is a vintage/classic gliding event. Visit www.goldenageair.org. Grimes Airfield (8N1), 371 Airport Road, in Bethel, PA conveniently located off I-78. Camping on the field, hotel about a mile away. Aerotows and a smooth 3,000 ft grass strip await the visitor. Information: Gerry Wild at 215-407-3137 or kristinwild@msn.com.

May 30-June 5, 2019, 1-26 Championship and Low Performance Contest — Moriarty, NM — Hosted by 1-26 Association. Practice days May 28 and 29, 2019. Special sponsorships for pilots 30 years of age and younger who qualify. Contact: Ridge Moreland at 407-474-7748 or jrmoreland@bellsouth.net.

How to Fail Your FAA Knowledge Test

Wednesday, May 8 at 7 p.m. CDT

Presenter: Prof. H. Paul Shuch | *Qualifies for FAA WINGS credit.*

Building and Flying the Zenith CH 750: From Cruiser to "Super Duty" STOL

Wednesday, May 15 at 7 p.m. CDT

Presenter: Sebastien Heintz | *Qualifies for FAA WINGS and AMT credit.*

Preventive Maintenance for Aircraft Owners

Tuesday, May 21 at 7 p.m. CDT

Presenter: Tim Harmer | *Qualifies for FAA Wings and AMT credit.*

Young Eagles New Online Registration Overview

Wednesday, May 22 at 7 p.m. CDT

Presenters: Brian O'Lena and Don White

An In-Depth Examination of Slips, Skids, Spins, and Crossover Speed

Wednesday, May 29 at 7 p.m. CDT

Presenter: Gordon Penner | *Qualifies for FAA Wings credit.*

Rush to Judgement

Wednesday, June 5 at 7 p.m. CDT

Presenter: Mike Busch | *Qualifies for FAA Wings and AMT credit.*

Tips for Flying Into EAA AirVenture 2019

Tuesday, June 11 at 7 p.m. CDT

Presenter: Fred Stadler | *Qualifies for FAA WINGS credit.*

AirVenture 2019 Ultralight/Homebuilt Rotorcraft Arrival Procedures

Wednesday, June 12 at 7 p.m. CDT

Presenter: Mark Spang | *Qualifies for FAA WINGS credit.*

Managing Energy and Developing Style: A Beginner's Guide to Advancing in Aerobatics

Tuesday, June 18 at 7 p.m. CDT

Presenter: Aaron McCartan | *Qualifies for FAA Wings credit.*

EAA AirVenture 2019 Features and Attractions

Wednesday, June 26 at 7 p.m. CDT

Presenters: Rick Larsen and Dennis Dunbar

SUGGESTIONS, SERVICES, PHOTOS, ETC.

If you have comments, suggestions, news, photos or whatever for this newsletter, or want to be dropped from the mailing list, please forward to tedjgordon@gmail.com.

CLASSIFIED SECTION

Anyone can list equipment, products, materials, and what not for sale or wanted in this classified section. Please include a description, and your contact information if applicable. Listing is free. Your input will remain active for the next few newsletter issues. EAA 334 will not be involved so if you see something of interest, just initiate the contact. _____

Check for aircraft parts: <https://www.hangarswap.com>, (copy this URL directly in your browsers search bar)

Aircraft Listing A web site for buying and selling aircraft and equipment Check it out at:

https://www.wingswap.com/search?search=&category=4&manufacturer=63&sort_by=date_desc

Partial hangar for rent. If your plane or trike is small or if the wings come off (intentionally) and you are looking for a storage place to rent



A FREE preflight de-icing sprayer is also available.

Just call or email:

Ted Gordon 860 434 8608 or
tedjgordon@gmail.com

Anyone can recommend a person, product, or company here that they have found helpful or useful. You can even recommend yourself. Please include the nature of the service or product, and contact information if applicable. Listing is free. Your input will remain active for the next few newsletter issues. EAA 334 will not be involved so if you see something of interest, just initiate the contact.

A&P Mechanic with IA

EAA Technical Councilor 15 years

Builder of the Glasair N28P, first flight June 1999

Designated Airworthiness Representative, Manufacturing (DAR-F)

Amateur Built Experimental and Light Sport Aircraft

Extensive experience composites, engines

If you'd like anything else, ring me up.

Greg Prentiss, 20 Dockerel Road, Vernon, CT 06066, greg.prentiss@gmail.com

860-872-2278 Home/Office, 860-205-7640 Cell

SimplexAero, owned by Jeff Erickson of Old Saybrook, teaches tail wheel and provides sport pilot training. He also offers scratch plans for the Cloud Duster and the Zing.

Total Aircraft Parts, Inc. (Cessna Service Center, Aircraft Maintenance & Parts Sales) Brainard Airport (KHFD)

Email: TotalAircraft@yahoo.com

Telephone: (860) 278-9577

Performed **dynamic propeller balancing** for me: quick and efficient (Ted Gordon tedjgordon@gmail.com)



Membership Application

EAA 334- Fulfill your dream to build and fly. Guaranteed

Our club is dedicated to flying of all sorts. We exchange information and experiences. We provide help where needed in promoting safety, airplane construction, and operation. In the summer, our meetings are on the second Thursday of each month, 7:00PM at Dooney Aviation, located at Westerly Airport. Address: 63 Tom Harvey Rd., Westerly, RI. In winter, meetings take place on the second Saturday of each month at 10:00 AM at Dooney's Aviation. We invite you to join us.

To explore membership, join, or renew your membership, please complete this form.

*Select membership type and duration:

- ☐ FREE 6 Months Full Membership trial
- ☐ One year full Membership in EAA 334 \$20.00**
- ☐ One year Student Membership \$12.00 (through 17 years of age)***
- ☐ 3 year Membership \$10.00 discount **

*First Name _____

*State _____ ZIP _____

*Last Name _____

*Email _____

*Address _____

Phone _____

*City _____

Aircraft _____

*Required information

** For full membership in EAA Chapter 334, send the completed form and check payable to Bogdan Gutowski <bogdan.gch@gmail.com> ,Membership (\$40.00 per year) in the EAA National organization is also required. For more information go to: <https://www.eaa.org/en/ea/renew-ear/renew-membership>

*** EAA Student Membership is available FREE to any young person age 8 – 18 ½ who has completed a Young Eagles flight,