#51; March 2021

Chapter 334 was formed fifty-one years ago when this Ercoupe was 24 years old

Check out the EAA334 website at https://chapters.eaa.org/EAA334. Next EAA334 meetings will be on Saturday, February 13 and March 13 at 10:00AM on ZOOM at https://us02web.zoom.us/j/88254031020?pwd=TGl4eFF3ZENFSFBwN1VoUHhqZHV5QT09 ; In this issue you will find information about the formation of a new electric powered aircraft racing league, in-flight refueling 100 years ago, new rules on supersonic flight over US, CAP rescues and news of Sun n Fun and Airventure, 2021.

You will note that we have begun to cycle new photos in our masthead: we plan to run a new phot every month and ask readers to dig through their old files and send in interesting pictures to us. We will choose one; unused photos stay in our archives and may run sometime in the future. By submitting a photo, you indicate your permission for us to publish it, with attribution, of course. This month's photo is of Ted Gordon's previous light sport, an Ercoupe. He says, "Grand old airplane; I wish it was still being built today." **We invite all of our readers to submit their candidate photos: reward is seeing your photo- with your credits- on our letterhead. Send your photos to tedjgordon@gmail.com.**

The Third Annual Richard Collins Writing Prize for Young Pilots

The Richard Collins family has partnered with Sporty's to offer The Richard Collins Writing Prize for Young Pilots. To qualify, the writer must be a pilot or student pilot, 24 years of age or younger. The article must be original, not previously published, and no longer than 1,500 words. The topic should be "my most memorable or important flying lesson (with or without a flight instructor)." The articles will be judged by a panel of three: Richard Collins, Jr., J. Mac McClellan, and Amy Laboda. The winning article will be published in Air Facts, and the writer will receive $2,500. The prize will be announced in April. https://airfactsjournal.com/2021/01/announcing-the-third-annual-richard-l-collins-writing-prize-for-young-pilots/#:~:text=The%20Richard%20Collins%20family%20has,no%20longer%20than%201%2C500%20words.

Articles may be submitted through March 4, 2021, and sent in as a Word document to editor@airfactsjournal.com. In addition, young pilots are required to submit a 100-word bio to accompany their articles.

President's Message

Here we are in January and February, in the middle of winter in New England. In Rhode Island and Connecticut, these are our coldest and shortest days of the year. If we don't have heat out in our garage or work shop, it really cuts down on our ability to work on our projects.

Keeping inside for warmth and comfort gives us time for evaluating our projects' progress. Planning and preparing for future activities on our projects is a positive way to stay interested and actively involved in them. It may be the time to setup and prepare for the next evolution in building our project. Make a list of materials needed, i.e. glue, Dacron, primer, sealers, and also important, list of tools needed; pliers, wrenches, correct length of rivets and the rivet puller. Assemble the materials and tools to be ready when the weather subsides and warms up for a day. You can take off and be ready to "get it done". There is nothing worse than driving thirty minutes to the hanger and finding out you forgot one of the items needed to get the job done.

This reminds me of my Boy Scout training and motto, "Be Prepared". This is also entertaining and interesting in these isolated times that we are in this year. Stay interested, involved, positive, active, and most of all; safe and healthy.

Dave
EAA 1053112
President EAA 334

FAA clears the path for supersonic flight testing over US soil

By Loz Blain January 10, 2021; see: https://newatlas.com/aircraft/faa-supersonic-test-regulations/

The Aerion AS2 is designed for speeds of up to Mach 1.4

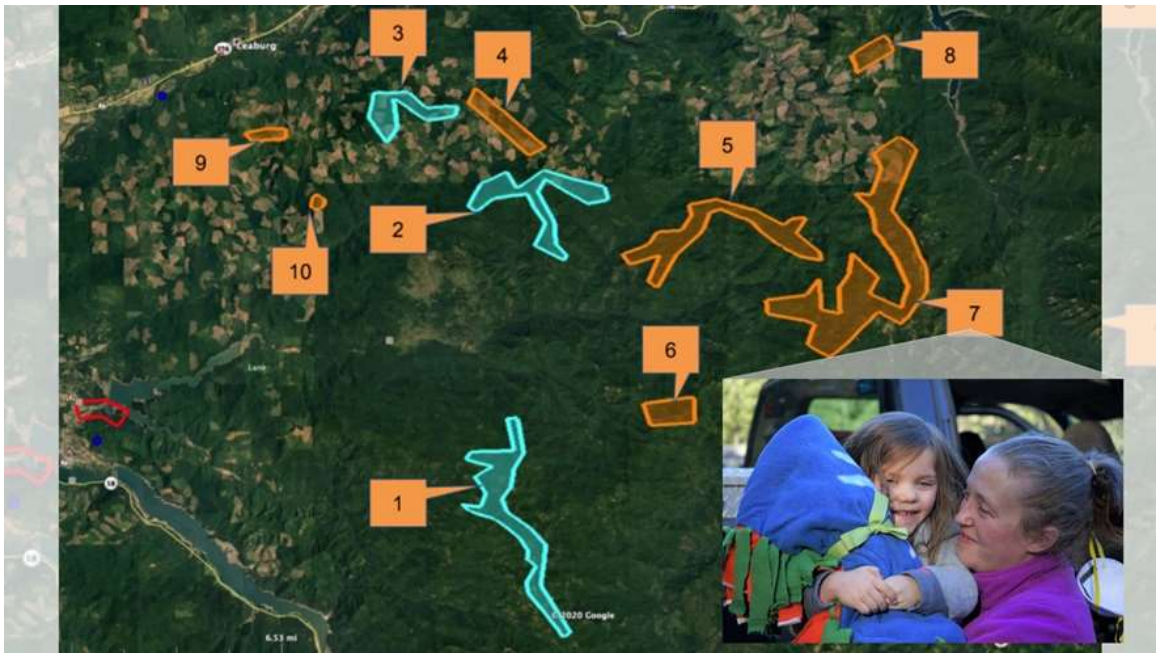
There's a new crop of supersonic aircraft beginning to sprout, thanks to advances in engine, materials and satellite weather tracking that will enable aircraft to break the sound barrier over land without the disruptive noise pollution of a sonic boom reaching the ground. Aerion, Boom and Spike, for three examples, are working on supersonic business jets. Virgin Galactic is looking to bring the time savings of Mach 3 travel to a slightly broader passenger market. One of the issues, of course, is that supersonic flight has long been illegal over US soil, boomless cruise or no boomless cruise. But the US Government wants to set the regulatory agenda internationally, and has instructed the FAA to take a leadership role as the sector develops. Supersonic flight over American soil will remain prohibited, but new regulations will streamline the process through which these companies can apply for specific exemptions, clearing away some of the red tape and offering a clear path for flight testing over land.

The FAA was clear in its Final Rule document that the new regulations will not allow supersonic flight in a categorical fashion, a result Boom in particular was pushing hard for; each test flight must be approved individually, including an analysis of the environmental impacts on the area over which it'll be undertaken. There were a number of objections to the ruling, chiefly focused on noise pollution but also questioning the environmental cost. The technology might improve, but physics is rigid; supersonic flight will always burn vastly more fuel than subsonic.

CAP FORENSICS LEADS TO HOLIDAY-WEEK SAVES

January 12, 2021By David Tulis; see: https://www.aopa.org/news-and-media/all-news/2021/january/12/cap-forensics-leads-to-holiday-week-saves

The holidays were brighter for families in two Western states after Civil Air Patrol forensic search-and-rescue missions reunited lost loved ones with their families as winter weather closed in around them during Christmas week. Cellphone technology led to successful rescues of a 4-year-old girl lost in Oregon with her grandparents and a snowmobiler in Idaho who became separated from friends.



Ten search areas were pinpointed by Civil Air Patrol forensic search-and-rescue technology to help locate a wayward family in Oregon during Christmas week. Images courtesy of the Civil Air Patrol.

The first urgent call came from the U.S. Air Force Rescue Coordination Center December 22 as night fell and a family was overdue after setting off around noon to cut down a live Christmas tree near Eugene, Oregon.

Trackers using cellphone technology quickly triangulated 10 potential whereabouts amid concerns that the signal pings identifying a location for the missing family were just “a snapshot in time” that could change with additional movements, said cellphone forensics team analyst Maj. Justin Ogden. Summer wildfires affected the effort because they had burned a cellphone tower near one of the most likely locations, complicating the mathematical pinpoint.

A coordinated effort with local search-and-rescue personnel included dispatching a helicopter to scour the areas. The snowbound family was spotted in a dense forest at about 12:30 p.m. local time on December 23, said Scott Lucas, state search-and-rescue coordinator for the Oregon Office of Emergency Management. “We were lucky to find a white car in the snow,” Lucas said. Ground teams followed the aerial lead and guided the family to safety.

Lucas complimented the technology, which includes overlays on Google Earth maps and special GPS files that are shared between the forensic teams on the ground and the helicopter crew in the air. “They gave us a direction to focus our search” without wasting valuable resources, Lucas said.

Members of the same forensic team were roused around 6 a.m. local time December 27 to search for a missing 25-year-old snowmobiler in Kootenai County, Idaho, one state to the east. The man had gone snowmobiling with friends but separated from the rest of the group overnight and became lost.

An initial step in the process is to determine if the missing person’s cellphone is turned on—and if it is, a message is sent indicating that a search-and-rescue team is trying to locate the phone’s owner. In this case, about an hour after the message was sent at 6:27 a.m., the snowmobiler responded via text message and shared a GPS location from his phone. Since the GPS coordinates are the most accurate indication of the person’s location, Ogden relayed them to the Kootenai County Sheriff’s Office, along with the GPS file for the map overlay.

“Less than two hours later,” the Air Force Rescue Coordination Center was notified that the missing snowmobiler was located and returned to safety.

The two December rescues added to a fiscal year tally of more than 130 saves using forensic technology, and a total of 340 lives that were saved via all means—including additional missions performed with grid-based aerial search-and-rescue methods.

The Civil Air Patrol operates a fleet of 560 single-engine Cessna aircraft and nearly 2,000 drones that perform about 90 percent of search-and-rescue operations within the contiguous United States.

Sun ‘N Fun Plans In-Person Expo

Kate O'Connor; January 20, 2021; From AvWeb January 22, 2021

Sun n’ Fun is going forward with its annual expo this year following the cancellation of the 2020 event due to the coronavirus (COVID-19) pandemic. Organizers say they are expecting to host “hundreds of exhibitors” along with forums, workshops and aerial displays. Featured airshow performances will include the U.S. Navy Blue Angels, F-22 Raptor Demo Team and Aeroshell Aerobatic Team.

“Our event certainly suffered alongside the rest of the world when the pandemic forced us to cancel last year,” said Greg Gibson, Sun ‘n Fun chief marketing officer and airshow director, “but we are coming back better than ever in 2021 with new and exciting things for our guests in a COVID-responsible venue that has their safety and enjoyment as top priorities.”

The 2021 Sun ‘n Fun Aerospace Expo is scheduled to take place April 13-18, 2021, at Lakeland Linder International Airport (LAL) in Lakeland, Florida. (But check it out first before travelling to Florida!)

100 Years ago here's how they refueled

Nov. 12, 1921 – The birth of aerial refueling. Wesley May strapped a five-gallon gasoline can weighing 35 pounds onto his back and clambered aboard a Lincoln Standard flown by Frank Hawks. The Standard joined up with a Curtiss Jenny flown by Earl Daugherty and May literally chinned himself from the top of the Standard to the bottom wing of the Jenny, a remarkable physical feat. May then moved into the front cockpit of the Jenny which gave him access to the fuel intake just behind the engine. The rest was relatively easy.

(Credit Peter M. Bowers Collection,Seattle Museum of Flight)

From: Publication of the Thames River Composite Squadron, Connecticut Wing Civil Air Patrol, **http://ct075.org.** 300 Tower Rd., Groton, CT by Lt Col Stephen Rocketto, Editor

ALL-ELECTRIC AIRCRAFT RACING LEAGUE ANNOUNCED

COMPETITION BEGINS IN 2021

October 1, 2020 By David Tulis *Associate Editor Web/ePilot*

Beringer Aero, whose founders earned their racing chops during motorcycle sidecar competition, is partnering with Air Race E to establish an all-electric aircraft racing league in 2021 with at least 12 teams representing nine countries.

Beringer Aero is partnering with Air Race E to establish an all-electric aircraft racing league with side-by-side flying competition 33 feet above the ground, beginning in 2021. Photo courtesy of Simone Ciaralli, Air Race E.

The Air Race E website describes pilots flying in fields of eight slender electric-powered aircraft racing wingtip-to-wingtip at 280 mph at "just 10m [33 feet] above the ground" through a 1.5-kilometer (about a mile) oval circuit. The international competition includes near-continuous left-hand turns for the pilots with a spectator viewing grandstand area adjacent to the start/finish line. The competition course layout is similar to the constant left turns at a NASCAR track, and organizers predicted it would bring racing that is "faster than any land-based motorsport."

The combination of a prototype airplane, a dedicated test center, a compact racecourse, and pilots who are "raring to go" could spell keen competition when the effort gets off the ground. Teams from the United States, Canada, France, Germany, Norway, Ukraine, Switzerland, the Netherlands, and the United Kingdom are already on board, "although the series remains open for other teams with the necessary qualifications," a joint news release noted.

New! Virtual Tour Programs
Bring the New England Air Museum into your classroom, scout meeting, or after-school program with our new Virtual Tour programs! These live, 60-minute experiences are facilitated by museum staff via Zoom or Google Meet and include video, historic images, and interactive Q&A with our team. Topics include Connecticut Aerospace History, Women in Aviation, and 20th Century Military History, and full scholarships are available thanks to generous support from the Scripps Family Fund for Education & the Arts. **Click here for details**

State of the Art Kaman Exhibit
Thanks to a recent investment from the Kaman Foundation - led by members of Charles Kaman's family - this exhibit now features cutting edge technology that will dramatically increase visitor learning and engagement.

Upgrades include:
- A 3D hologram that explains how Charlie Kaman's inventions reduced the effect of vibration in aircraft, revolutionizing helicopter design
- An interactive kiosk that tells the story of Charlie Kaman's work in aviation, and even includes a game showing how the pieces of a helicopter fit together
- Augmented Reality (AR) that allows our docents to share their first-hand stories of working with Charlie

Weekend Programs
Join the museum all winter weekends for a variety of family friendly and socially distanced activities and take a Build and Fly ToGo activity home.

Flights of Fun Family Programsare included with general admission and schedules are subject to change.

- An AR scavenger hunt which makes learning about helicopter technology fun and engaging
- A smartphone app that brings much of this information to our visitors both onsite at the museum or anywhere

Free Admission for Ages 18 and Under at EAA AirVenture Oshkosh 2021

Young people ages 18 and under will be admitted free to EAA AirVenture Oshkosh 2021, as a way to introduce more youth to the possibilities in the world of flight. The 68th EAA fly-in convention will be July 26-August 1 at Wittman Regional Airport. Read more ›

Kick-Start Your Aircraft Build | View this email online

Learn Aircraft Building Skills in Two Days!

Lakeland, FL | February 27-28, 2021
Hosted at the Sun 'n Fun Campus

If you're ready to build or restore an aircraft, join us February 27-28, 2021, at the Sun 'n Fun Campus for a SportAir Workshops course! Save time and money by learning proper techniques right from the start, taught by experienced and accomplished professionals.

Courses Fill Up Fast – Secure Your Seat Today!

Electrical Systems & Avionics
At the end of the course you will be thoroughly knowledgeable on aircraft electrical systems and have the confidence to build and install a system in your aircraft. Enroll now ›

Sheet Metal
Learn all aspects of sheet metal work with lecture and lots of hands-on practice using the special tools and techniques used to build a sheet metal aircraft. Two detailed projects that are built during the workshop simulate what you will need to know to start and successfully complete your Vans RV, Sonex, Zenith, or other sheet metal aircraft kit.
Enroll now ›

February Webinars

Avionics Options for your Homebuilt Aircraft with Dynon

TUESDAY, FEBRUARY 2, AT 7 P.M. CST
Presenter: Michael Schofield | *Homebuilders Webinar Series*

Register Now ›

How Mags Work

WEDNESDAY, FEBRUARY 3, AT 7 P.M. CST
Presenter: Mike Busch | *Qualifies for FAA WINGS and AMT credit.*

Register Now ›

Corsair: The Story of the EAA Aviation Museum's F4U Corsair

TUESDAY, FEBRUARY 9, AT 7 P.M. CST
Presenter: Chris Henry | *Museum Webinar Series*

Register Now ›

ATC and You: How to Make the Most of Flying VFR

WEDNESDAY, FEBRUARY 10, AT 7 P.M. CST
Presenters: Richard Kennington and Bob Obma | *Qualifies for FAA WINGS credit.*

Register Now ›

Flying Procedures into Canada

TUESDAY, FEBRUARY 16, AT 7 P.M. CST
Presenter: Luke Penner | *Qualifies for FAA WINGS credit.*

Register Now ›

ATC and You: Balancing IFR Flying and the Efficiency of Controlled Airspace

WEDNESDAY, FEBRUARY 17, AT 7 P.M. CST
Presenters: Richard Kennington and Bob Obma | *Qualifies for FAA WINGS credit.*

Register Now ›

Owner in Command: Things I Wish I Knew Before I Knew Them

WEDNESDAY, FEBRUARY 24, AT 7 P.M. CST
Presenter: Sebastien Seykora | *Qualifies for FAA WINGS and AMT credit.*

Register Now ›

Growing the Pilot Population Through the AOPA Flight Training Scholarship Program

Take advantage of AOPA's scholarship program—over $1 million in awards—or pass along this information to someone you know is passionate about learning to fly or wants to earn an advanced rating.

Multiple scholarship opportunities are available to AOPA members, including:

1. **AOPA High School Flight Training Scholarships:** 80 exceptional aviation-minded high school students will each be awarded $10,000 to pursue a private, sport, or recreational pilot certificate.
2. **AOPA Teacher Flight Training Scholarships:** Up to 20 teachers dedicated to advancing aviation education in the classroom by teaching the AOPA High School Aviation STEM Curriculum are eligible to apply for this scholarship, which can be used to earn a private, sport, or recreational certificate.
3. **AOPA Primary Training Scholarships:** Multiple scholarships, ranging from $2,500 to $7,500, will be awarded to members ages 16 and up to help fund the cost of training for a private pilot, sport pilot, or recreational pilot certificate.
4. **AOPA Advanced Rating Scholarships:** Multiple scholarships, ranging from $3,000 to $10,000, will be awarded to outstanding member pilots with career aspirations seeking an Instrument, Commercial, CFI, CFII, or MEI rating.

The deadline to submit all scholarship application materials, including recommendation letters and transcripts, is February 14, 2021, 11:59 p.m. (EST).

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.

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: Greg Prentiss; EAA Technical Councilor 15 years
Builder of the Glassair N28P, first flight June 1999; 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

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

IMPORTANT: The FAA has published a list of over the counter medications that are safe to take when you are PIC. Find it here:
https://image.mail.aopa.org/lib/fe3615707564067d701d78/m/3/449b0481-518e-472f-b15f-7168a68f09e7.pdf

Membership Application

EAA 334- Fulfill your dream to build and fly.

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. Meetings take place on the second Saturday of each month at 10:00 AM at Mystic Jet Center, Groton/New London Airport. 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 (<18)** Free if you have had a Young Eagle flight
- ☐ 3 year Membership $10.00 discount
- ☐ Family Memberships $25 a year **

*First Name _____

*Last Name _____

*Address_____

*City_____

*State____ZIP_____

*Email_____

Phone_____

Aircraft_____

*Required information

** For membership in EAA Chapter 334, send the completed form and check payable to EAA 334, to *Dave Sellins, 20 Old Colony Rd, N. Stonington, CT 06359*. Membership in the EAA National organization is also required. For more information go to: https://www.eaa.org/en/eaa/renew-eaa/renew-membership