

AMA GOLD LEADER CLUB

RC Propbusters of Salem CT

www.rcpropbusters.com

Jim Holzworth, Newsletter Editor
jimholzworth@gmail.com, 860-885-9260
RC Propbusters, Inc. ©

AMA Club No 191
Founded 1937

January 2021 Newsletter

2021 RC Propbusters Club officers elected at the December meeting. See page 2

Renew your annual RC Propbusters membership online at: <http://rcpropbusters.com/>

Brave Propbusters flew on New Year's Day 2021



(photo credit: Everett St. Louis)

More than a dozen pilots flew aircraft on New Year's Day. Nice day, winds 3-5 mph. Here is Buzzy Paige bringing his airplane in for a landing.

RC Propbusters meetings are usually held on the third Tuesday of every month @ 7:30 PM. Meeting location is **Salem Public Library**, CT Route 85, about one mile north of Salem Four Corners (Circle). Under present (coronavirus) circumstances, the library is not available for meetings, so meetings are now conducted virtually with Google Meeting.

Learn to Fly!

If you have an interest, come to our field. There is usually a member there who will give you the opportunity to try flying a trainer type model either powered by an electric motor or fueled engine. The gentlemen listed below have generously offered to help you learn to fly r/c airplanes, helicopters, drones, and gliders.

INSTRUCTORS

TOM VERNON	CHIEF PILOT	860-859-1548	JOE COMEROSKI	HELICOPTERS	860-848-3184
DENNIS DUPLICE	FIXED WING	860-376-6230	ED DEMING	HELICOPTERS	860-884-3222
ROBERT LARSON	BOTH	860-526-2267	MARK O'CONNELL	BOTH	860-460-8835
KYLE SWAIDNER	** GLIDERS	860-405-5304	LEN BUFFINTON	* GLIDERS	860-395-8406
DAVE GRAINGER	FPV RACING	860-302-3169	RICHARD CROOKS	FIXED WING	860-271-5154

* Len Buffinton is a Glider and Aero-Tow expert who can also help you with fixed wing flying.

** Kyle Swaidner flies everything, and also is offering to introduce you to sidearm and discus launched GLIDERS.

If you are a student, hook up with one of these men and get trained.

Any club pilot can train you, but an instructor must sign you off.

Newly Elected RC Propbuster Officers

R/C Propbusters, LLC. Officers for 2021

President:	Ed Deming
Vice President:	Dennis Duplice
Treasurer:	John Banks
Secretary:	Peter Sylvester
Safety officer:	Tom Vernon
Newsletter Editor:	Jim Holzworth
Field Marshal:	Shane Duffy
Board of Directors:	George White, Richard Cavanaugh, Dave Hoffman, Chip Allard

CHECK OUT OUR WEBSITE:

<http://rcpropbusters.com/>

Please submit ideas and tips for the newsletter to Jim Holzworth at jimholzworth@gmail.com

Thank you, Bill Mares and Buzzy Paige, for serving as president and vice-president of RC Propbusters during a very tough year 2020!

RC Propbuster Outerwear
available at

NOTICE (from the Editor): Do we have your
correct email address?



26A Bushnell Hollow Rd., Baltic, CT 06330
Phone: 860-822-9777
Email address: info@jdembroidering.com
<https://jdembroidering.com/index.php>

If you are currently a member of R/C Propbusters in good standing, and can only receive the monthly newsletter from our website (<http://www.rcpropbusters.com>), maybe your email address has changed, or was incorrectly entered on our membership list. Monthly newsletters are sent individually (directly) to each club member at the email address listed on the membership list. If you have a new email address, or need to make a correction, please contact Jim Holzworth at jimholzworth@gmail.com. Our membership list will be updated.

January Aviation Events & Milestones

7 January 1785 (England/France) — The English Channel is crossed for the first time by air as Jean-Pierre Blanchard and John Jeffries fly their hydrogen balloon from Dover, England to a forest near Calais, France.

1 January 1914 (USA) — The world's first scheduled airplane passenger service operated by an airline company, the "Airboat Line," begins at 10:00 A.M. when Anthony Janus flies his first passenger from St. Petersburg to Tampa, Florida. The fare for the 22-mile over-water flight was \$5 with a surcharge if the passenger weighs more than 200 lbs.

12 January 1929 (USA) — The first United States Air Mail stamped envelopes are available for sale.

31 January 1958 (USA) — First United States satellite, "Explorer 1," launched into orbit.

22 January 1959 (USA) — USAF study of UFOs reveal fewer than 1% could be classified unknown.

15 January 1991 (Japan/Canada) — The first hot-air balloon to cross the Pacific Ocean takes off from Japan and eventually lands in Canada.

<https://www.skytamer.com/January.html>

"COMMON SENSE, RESPECT FOR OTHER PILOTS, AND GOOD FIELD ETIQUETTE ALL GO A LONG WAY TOWARDS MINIMIZING REQUIRED RULES. REMEMBER: IT'S ALL ABOUT HAVING FUN WITH AVIATION MODELING IN A SAFE AND ENJOYABLE MANNER. SAFETY IS EVERYONES RESPONSIBILITY! IF YOU HAVE ANY QUESTIONS OR DON'T UNDERSTAND ANY OF THESE RULES, DON'T HESITATE TO ASK YOUR CLUB SAFETY OFFICER, ANY CLUB OFFICER, OR ANY EXPERIENCED PILOT FOR CLARIFICATION."

R/C Propbusters Flying Field Rules PFFR 9/10, REV. 3 10/19

Press Release – U.S. Department of Transportation Issues Two Much-Anticipated Drone Rules to Advance Safety and Innovation in the United States

For Immediate Release

December 28, 2020

Contact: pressoffice@faa.gov

WASHINGTON — The U.S. Department of Transportation’s Federal Aviation Administration (FAA) today announced final rules for Unmanned Aircraft (UA), commonly known as drones. The new rules will require Remote Identification (Remote ID) of drones and allow operators of small drones to fly over people and at night under certain conditions. These rules come at a time when drones represent the fastest-growing segment in the entire transportation sector – with currently over 1.7 million drone registrations and 203,000 FAA-certificated remote pilots.

Remote ID will help mitigate risks associated with expanded drone operations, such as flights over people and at night, and both rules support technological and operational innovation and advancements.

“These final rules carefully address safety, security and privacy concerns while advancing opportunities for innovation and utilization of drone technology,” said U.S. Secretary of Transportation Elaine L. Chao.

[Remote ID](#) (PDF) is a major step toward the full integration of drones into the national airspace system. Remote ID provides identification of drones in flight as well as the location of their control stations, providing crucial information to our national security agencies and law enforcement partners, and other officials charged with ensuring public safety. Airspace awareness reduces the risk of drone interference with other aircraft and people and property on the ground.

Equipping drones with Remote ID technology builds on previous steps taken by the FAA and the drone industry to integrate operations safely into the national airspace system. [Part 107 of the federal aviation regulations](#) currently prohibits covered drone operations over people and at night unless the operator obtains a waiver from the FAA. The new FAA regulations jointly provide increased flexibility to conduct certain small UAS without obtaining waiver.

“The new rules make way for the further integration of drones into our airspace by addressing safety and security concerns,” said FAA Administrator Steve Dickson. “They get us closer to the day when we will more routinely see drone operations such as the delivery of packages.”

The [Remote ID rule](#) (PDF) applies to all operators of drones that require FAA registration. There are three ways to comply with the operational requirements:

1. Operate a standard Remote ID drone that broadcasts identification and location information of the drone and control station;
2. Operate a drone with a Remote ID broadcast module (may be a separate device attached to the drone), which broadcasts identification, location, and take-off information; or
3. Operate a drone without Remote ID but at specific FAA-recognized identification areas.

The [Operations Over People and at Night rule](#) (PDF) applies to Part 107 operators. The ability to fly over people and moving vehicles varies depending on the level of risk a small drone operation presents to people on the ground. Operations are permitted based on four categories, which can be found in the [executive summary](#) (PDF) accompanying the rule. Additionally, this rule allows for operations at night under certain conditions.

The final rule requires that small drone operators have their remote pilot certificate and identification in their physical possession when operating, ready to present to authorities if needed. This rule also expands the class of authorities who may request these forms from a remote pilot. The final rule replaces the requirement to complete a recurrent test every 24 calendar months with the requirement to complete updated recurrent training that includes operating at night in identified subject areas.

Both rules will become effective 60 days after publication in the Federal Register. The Remote ID rule includes two compliance dates. Drone manufacturers will have 18 months to begin producing drones with Remote ID, with operators having an additional year to start using drones with Remote ID.

For general inquiries on these new regulations and other UAS inquiries, please call 844-FLY-MY-UA or [email the FAA](#).

https://www.faa.gov/news/press_releases/news_story.cfm?newsId=25541&omniRss=press_releasesAoc&cid=102 P R

Trending World by The Epoch Times

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Tiny Hummingbird feeding its hatchling.
The man has befriended the bird for so long,
she allows him to touch her.



See the video at: <https://www.facebook.com/EpochTimesTrending/videos/160002192331156/>

AEROSPACE AND DEFENSE
JANUARY 5, 2021

Malaysian team turns pineapple waste into disposable drone parts

By Ebrahim Harris

BANGI, Malaysia (Reuters) - Malaysian researchers have developed a method to transform the fibre found in normally discarded pineapple leaves to make a strong material that can be used to build the frames for unmanned aircraft, or drones.

<https://www.reuters.com/article/us-malaysia-drone-idUSKBN29A0YX>



<https://gadgets.ndtv.com/science/news/malaysia-pineapple-waste-disposable-drone-parts-putra-university-professor-mohamed-thariq-hameed-sultan-2348376>

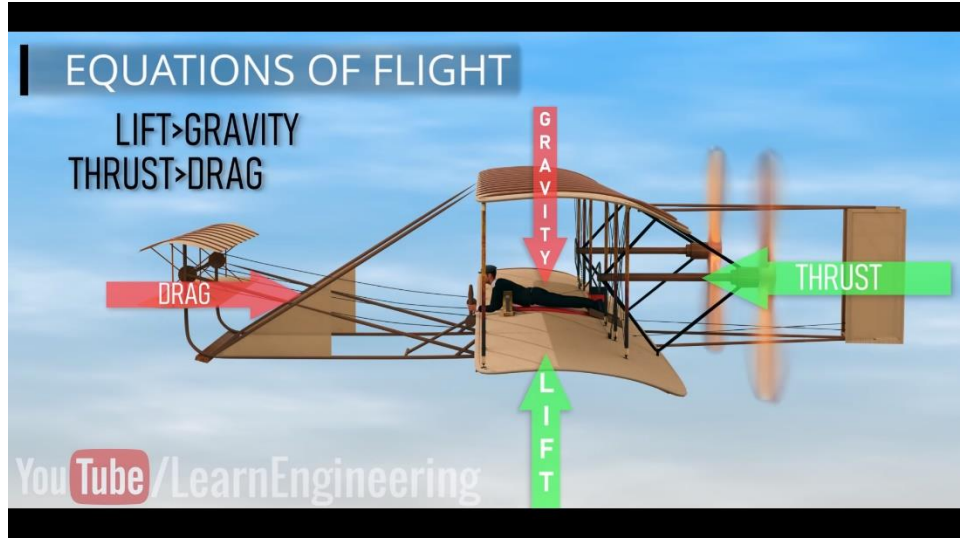
Read the article at: <https://www.usnews.com/news/technology/articles/2021-01-05/malaysian-team-turns-pineapple-waste-into-disposable-drone-parts>

The Brilliant Engineering of FIRST FLIGHT!

•Dec 16, 2019

[Learn Engineering](#)

When you examine the Wright Flyer, the first successful flight closely you will be amazed by the numerous ingenious technologies these high school dropouts developed 100 years ago. Their design was so complete that even the current modern aircraft use the same principles of flight. Let's explore the amazing engineering behind the Wright Flyer.



See the video at: <https://www.youtube.com/watch?v=LigpsX1KoQE>

The Wright Brothers - first flight photos and rare motion picture recordings

•Nov 28, 2013

[Yaroooh! for Kids | News - Magazine](#)

This video shows the iconic photograph of the first flight of the Wright Brothers at Kitty Hawk in 1903 and also contains rare motion picture footage of the first times their flights were ever recorded on film from 1908-09 in Europe (at Le Mans, France and at Rome) and then back in the U.S. in front of President Taft. Motion Picture footage starts at [8:44](#). Orville and Wilbur Wright were American aviation pioneers who are credited with inventing and building the world's first successful air plane and making the first controlled, powered and sustained heavier-than-air human flight on December 17, 1903, at the Kill Devil Hills near the town of Kitty Hawk in North Carolina.

See the video at: <https://www.youtube.com/watch?v=CSIPgdgiecw>

Lift and Wings - Sixty Symbols

•Sep 11, 2017

[Sixty Symbols](#)

Featuring Professor Mike Merrifield. Animation by Pete McPartlan.

This project features scientists from The University of Nottingham <http://bit.ly/NottsPhysics> Patreon: <https://www.patreon.com/sixtysymbols> Sixty Symbols videos by Brady Haran <http://www.bradyharanblog.com>



See the video at: <https://www.youtube.com/watch?v=PF22LM8AbII>

Also see the excellent article: How do planes fly? <https://www.explainthatstuff.com/howplaneswork.html>

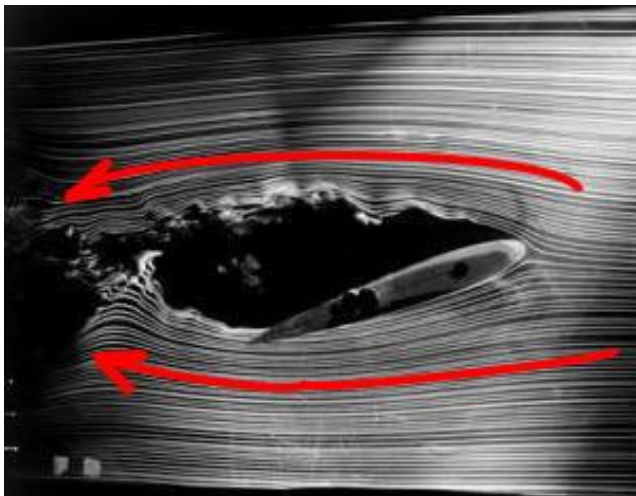


Photo: How a plane stalls: Here's an airfoil wing in a wind tunnel facing the oncoming air at a steep angle of attack. You can see lines of smoke-filled air approaching from the right and deviating around the wing as they move to the left. Normally, the airflow lines would follow the shape (profile) of the wing very closely. Here, because of the steep angle of attack, the air flow has separated out behind the wing and turbulence and drag have increased significantly. A plane flying like this would experience a sudden loss of lift, which we call "stall." Photo courtesy of [NASA Langley Research Center](https://www.nasa.gov).

Tips & Tricks

RC Prop Balancing Made Easy.

... have been often asked, "Do I need to balance my prop?" and the quick answer is always "Yes!" A properly balanced prop will give you more rpm from gas, glow and electric engines. A balanced prop will reduce the wear and tear on your aircraft by greatly reducing vibration, which leads to reducing premature failure to all the components and thereby giving your aircraft a longer life. You need to do it on every prop, every single one. There are several types of balancers on the market today that will do a great job of getting different size props balanced. No matter which you use, the balancing procedure will be the same for all.

Read how to balance your propellers at:

<https://www.modelairplanenews.com/prop-balancing-made-easy/>



Model of the Month

There was no model for the month of January.

Minutes of the January 19th, 2021 RC Propbusters Meeting

The meeting was called to order at 7:30 PM with 13 members present. Ed Deming received the official gavel from Bill and used it to usher in the new meeting.

Minutes of the December 2020 meeting were read and accepted.

Treasury report:

- | | | |
|------------------------------|-----------------------------|-----------------------------|
| ○ Opening balance: \$2053.13 | ○ Expenses: \$2526.23 | ○ Savings account: 34040.88 |
| ○ Income and dues: 2857.20 | ○ Ending balance: \$2384.10 | |

Events

- Nothing scheduled yet, will keep an eye on this and will see if we can schedule some events later.

Old Business:

- Porta-potty had the final pump-out but the door is not locked yet and is still standing. Shane will check on this.
- Ed prepared changes to the bylaws. He will discuss them with the officers and will be send them out to members before next meeting.
- There were 15 people present at the New Year's Day Fun Fly!

New Business:

- The CATO rocket flying club came to fly at our field with club officers' approval. They expressed their thanks for letting them fly. They may be interested in hosting an event or two in the wintertime.

Good and Welfare:

- Please renew your FAA registrations.
- Thanks to Bill Mares for the years of being club president.
- Thanks to Jim Holzworth for doing the monthly newsletter!
- FAA remote Id rules were reviewed by Ed. Please check on these on the AMA website.

New Members

- Bill Liscomb and Russ Parrish – voted in.

Show and tell

- N/A

Club Officer attendance:

X President Vice President X Treasurer X Secretary X Safety Officer Field Marshal

Meeting adjourned at 8:19 pm.

Respectfully submitted by Peter Sylvester.