



AMA GOLD LEADER CLUB

RC Propbusters of Salem CT

www.rcpropbusters.com

Jim Holzworth, Newsletter Editor
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RC Propbusters, Inc. ©

AMA Club No 191
Founded 1937

December 2021 Newsletter

Club officers re-elected for 2022 at the December meeting. See page 4.
Register/Renew the FAA registration for your RC aircraft. See page 5.
Renew your annual RC Propbusters membership online at: <http://rcpropbusters.com/>
Take The Recreational UAS Safety Test (TRUST), required by FAA! See page 10.



Very best wishes and safe flights for all Propbusters!

RC Propbusters meetings are held on the third Tuesday of every month @ **7:30 PM**. Meeting location is the historic Salem Center School at 250 Hartford Road (Route 85), about one mile north of Salem Four Corners (Circle).

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	BOTH	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
DAVE PRATT	FIXED WING	860-367-1134	STEVE CHRISTLEY	FIXED WING	860-271-1253

* Len Buffinton is a Glider and Aerotow 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.

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

RC Propbusters Outerwear
available at



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

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

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.

December Aviation Events & Milestones

- 27 December 1773 (England) — George Cayley is born in Scarborough, Yorkshire, England. Pioneer of early aviation regarded by many as the father of flight. His glider takes his coachman on the first manned flight in 1853.
- 14 December 1903 (USA) — Wilbur Wright makes the first and unsuccessful attempt at powered flight at Kill Devil Hills, North Carolina. His aircraft stalls after 3½ seconds in the air and crash—lands 105 feet away.
- 17 December 1903 (USA) — First sustained controlled flight in a powered aircraft. On the morning of December 17, 1903, Wilbur and Orville Wright took turns piloting and monitoring their flying machine in Kill Devil Hills, North Carolina. Orville piloted the first flight that lasted just 12 seconds and 120 feet. On the fourth and final flight of the day, Wilbur traveled 852 feet, remaining airborne for 59 seconds. That morning, the brothers became the first people to demonstrate sustained flight of a heavier—than—air machine under the complete control of the pilot. They built their 1903 glider in sections in the Back room of their Dayton, Ohio, bicycle shop. That afternoon, the Wright brothers walked the four miles to Kitty Hawk and sent a telegram to their father, Bishop Milton Wright, Back home in Dayton, Ohio: *“Success four flights Thursday morning all against twenty one mile wind started from level with engine power alone average speed through air thirty one miles longest 57 seconds inform Press home Christmas.”*
- 17 December 1935 (USA) — The first flight of the Douglas DC—3 took place. As one of the toughest aircraft of all—time, 10,655 were made, with hundreds still flying commercially at the turn of the century.
- 7 December 1941 (Hawaii) — Japanese surprise attack on Pearl Harbor, Hawaii. United States enters World War II.
- 26 December 1948 (USSR) — I. V. Fedorov becomes the first Soviet pilot to break the sound barrier. He achieves the necessary speed by diving his Lavochkin La—176 jet, powered by a Rolls—Royce Nene engine, at full throttle.
- 2 December 1949 (USA) — Civil Aeronautics Board approves transcontinental coach service by American Airlines with Douglas DC—6 equipment.
- 4 December 1962 (Venus) — Mariner 2 becomes the first spacecraft to fly past Venus.
- 10 December 1963 (USA) — Colonel Chuck Yeager flying a modified Lockheed F-104 Starfighter equipped with a liquid fuel rocket engine narrowly escaped death when his aircraft went out of control at 108,700 feet.
- 22 December 1964 (USA) — First flight of the Lockheed SR—71 “Blackbird.”
- 2 December 1976 (USA) — The Boeing 747 SCA, an ex—American Airlines airliner which has been adapted to carry the United States Space Shuttle, makes its first flight.
- 16 December 1979 (USA/England) — A British Airways “Concorde” lands in London after flying from New York in 2 hours 58 minutes, at an average speed of 1,172 mph.
- 15 December 2006 (USA) — The Lockheed Martin F—35 “Lightning II” made its maiden flight.
- 17 December 2021 (North Pole)— Escalated activity at the obscure secret aerodrome in the vicinity of the North Pole have caused U.S. Military Forces to go from a SANTACON2 to a SANTACON3 alert level. The previously detected HCAV (Hypersonic Christmas Air Vehicle), which appears to be shaped like a small sleigh, has been reported to have made several test flights. The previously reported small portly jolly gentleman with the white beard conducted the HCAV test flights. The HCAV's propulsion unit has been confirmed to be an 8—pack of tiny reindeer. Intel projects that the HCAV will be fully operational by the evening of 24 December.

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

The following candidates were re-elected by acclamation at the December meeting with a vote to extend the current slate.

RC Propbusters Officers for 2022:

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

Practice, Practice, Practice,

... but PLEASE practice social distancing.

Propbusters Meeting Location

Regularly scheduled Propbusters monthly meeting are now being held at the Salem *Center School*, 250 Hartford Rd Salem, CT 06420.

The *Center School* is in the Salem CT historic district.

<https://historicbuildingsct.com/center-school-salem-1885/>



The course of the flight up and down was exceedingly erratic, partly due to the irregularity of the air, and partly to lack of experience in handling this machine. The control of the front rudder was difficult on account of its being balanced too near the center.

Isn't it astonishing that all these secrets have been preserved for so many years just so we could discover them!

<https://www.quotetab.com/quotes/by-orville-wright>

"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 Probusters Flying Field Rules PFFR 9/10, REV. 3 10/19

FAA Recreational Flyer Registration

Register your RC aircraft at:

<https://faadronezone.faa.gov/#/register>

Renew your RC aircraft registration at:

<https://faadronezone.faa.gov/#/>

How much does it cost to renew a registration?

\$5 through the [FAADroneZone](#).

FAA Approves Flytrex Drone Delivery Service Expansion

Kate O'Connor

December 14, 2021



Image: Causey Aviation Unmanned

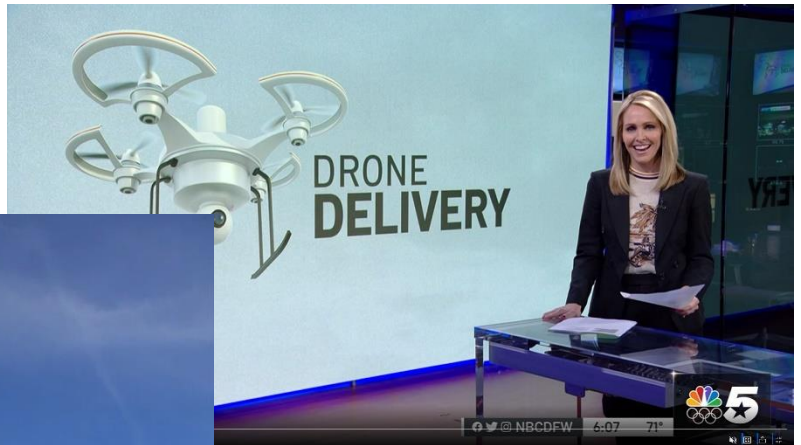
On-demand drone delivery company Flytrex has received FAA approval to expand its delivery area to a 1-nautical-mile radius from all of its operating stations in North Carolina. According to Flytrex, which delivers food and retail items to private homes via drones, the approval will expand its reach to include approximately 10,000 households. Deliveries will be conducted in partnership with drone services provider

Causey Aviation Unmanned. Read the entire article at: <https://www.avweb.com/recent-updates/unmanned-vehicles/faa-approves-flytrex-drone-delivery-service-expansion/>

Wing Tests Store-to-Door Drone Delivery Service

The Google sister company is making practice flights in Frisco and Little Elm as it awaits FAA clearance

By [Maria Guerrero](#) • Published December 2, 2021 • Updated on December 2, 2021 at 6:51 pm



NBCUniversal, Inc.
Store-to-door delivery using drones is coming to North Texas faster than you can imagine. Shop, click and your items fly to your front door. NBC 5's Maria Guerrero has a closer look at how it works.

The future of shopping takes another step closer to taking off as Wing, a drone delivery service, takes part in practice flights in Frisco.

"We were really blown away by how they embrace technology. There's a lot of history here with self-driving cars and delivery robots and so they knew exactly what we were all about," said Wing marketing and communications director Jacob Demmitt.

The Google sister company is partnering with some Walgreens locations in Little Elm and Frisco.

"Knowing we're here at the beginning of that future to be able to see is what got us excited and wanting to get involved," said Greg Allbright who volunteered for the test runs. Read the entire article at:

<https://www.nbcdfw.com/news/local/wing-tests-store-to-door-drone-delivery-service/2830068/>

ALBATROSS FLYING BOAT RETURNS AND WILL BE BUILT IN NT

written by Adam Thorn | December 13, 2021

A new version of the legendary Albatross flying boat will be built in Darwin, featuring digital avionics and enhanced turboprop engines from Pratt & Whitney. Manufacturers Amphibian Aerospace Industries (AAI) said the new generation G-111T is an “incredible aircraft of great and practical use to humanity” because of its huge variety of uses, including search and rescue, freight and coastal surveillance. Albatross seaplanes were originally manufactured between 1947 and 1961 and used by the US military in the Korean and Vietnam wars.

Read the entire article at: <https://australianaviation.com.au/2021/12/albatross-flying-boat-returns-and-will-be-built-in-nt/>



A US Navy Grumman HU-16. (Dylan Agbagni, WikiCommons)

Bald eagle seen in New London

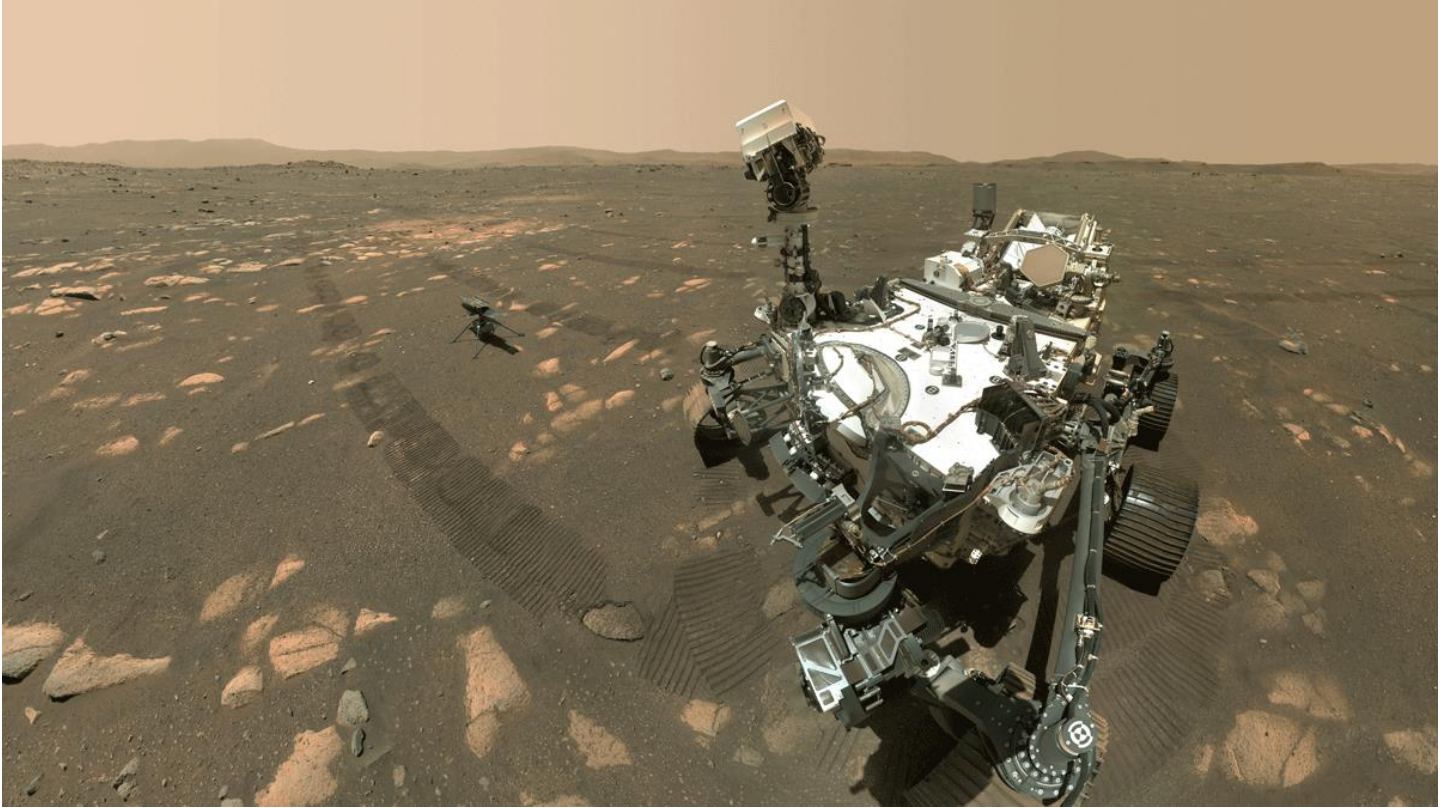
A bald eagle perches in a tree Wednesday, Dec. 15, 2021, at the Mitchell College Beach parking lot along Pequot Avenue in New London. (Sarah Gordon/The Day)

Read the entire article with more pictures at: <https://www.theday.com/local-news/20211215/bald-eagle-seen-in-new-london>



Maybe NASA’s little Martian flyer should be the one called Perseverance

EVAN ACKERMAN
08 DEC 2021



NASA/JPL-CALTECH/MSSS

[MARS HELICOPTER](#) [MARS ROVERS](#) [ROBOTICS](#)

The original mission of the Mars Helicopter (named Ingenuity) was to successfully complete a single 30-second long flight on Mars. That happened back in April. After several more successful flights, Ingenuity’s 30-day mission came to an end, but the helicopter was doing so well that NASA decided to keep it flying. Several months later, JPL promised that Ingenuity would “complete flight operations no later than the end of August,” but as of late November, the little helicopter has completed 17 flights with no sign of slowing down.

NASA has kept the helicopter operational, in part, because it’s transitioned from a pure technology demonstration to an operations demonstration. In fact, Ingenuity has turned out to be quite useful to both the science team as well as the roboticists who operate the Perseverance rover. While NASA never planned to have Ingenuity make occasional scouting flights, its having that capability seems to have paid off. To understand just how much of a difference the helicopter is making to Perseverance’s mission, we talked to one of the Mars rover drivers at JPL, Olivier Toupet.

Read the entire article at: <https://spectrum.ieee.org/mars-perseverance - toggle-gdpr>

Navy Special Ops Has Adapted RQ-21 Blackjack Drones To Deploy Smaller Quadcopters

An image shows never seen before payloads for the MQ-21, including a parasite quadcopter payload configuration, among others.

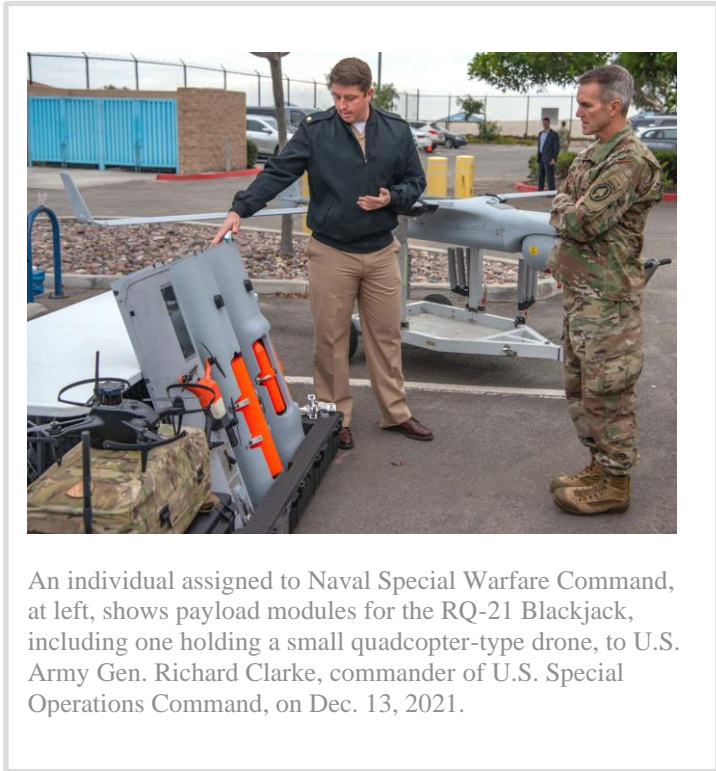
BY JOSEPH TREVITHICK DECEMBER 20, 2021

The U.S. Navy has released a picture that shows a payload module for the Boeing Insitu RQ-21 Blackjack unmanned aircraft that appears to give it the ability to deploy a smaller quadcopter-type drone in flight. This module was seen

displayed next to others that are clearly designed to hold small munitions or other expendable payloads.

U.S. Army Gen. Richard Clarke, head of U.S. Special Operations Command (SOCOM), was showing these payload options for the RQ-21, among other things, during a visit to the Naval Special Warfare Command (NSWC) headquarters in San Diego, California, earlier this month. NSWC oversees the Navy's elite SEAL teams, as well as other naval special operations units. The captions attached to the pictures of Clarke's visit that show the Blackjack misidentify it as a ScanEagle drone, a smaller and distinctly different Boeing Insitu design.

Within the U.S. military, both the Navy and Marine Corps operate RQ-21s, though the latter service is now in the process of divesting its entire fleet of these drones as part

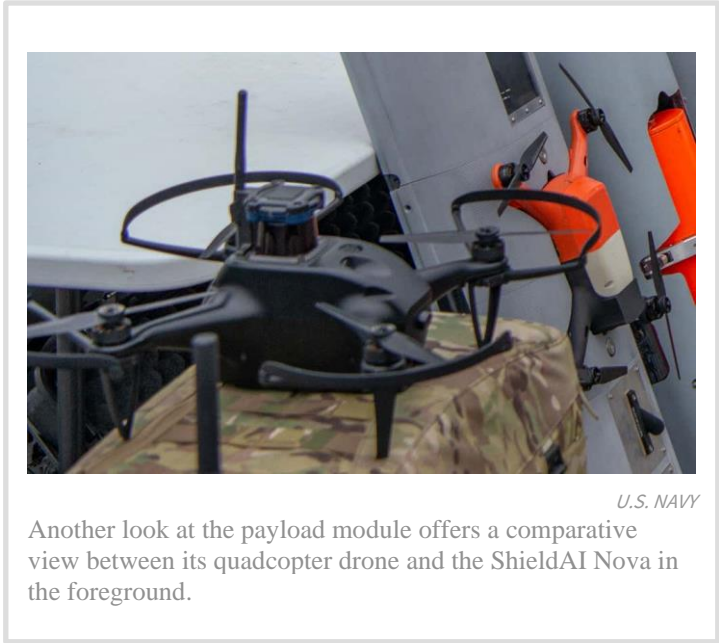


An individual assigned to Naval Special Warfare Command, at left, shows payload modules for the RQ-21 Blackjack, including one holding a small quadcopter-type drone, to U.S. Army Gen. Richard Clarke, commander of U.S. Special Operations Command, on Dec. 13, 2021.

of a major overall of its entire force structure that you can read more about here. One of the Blackjack's key features is the modular payload space in the center of its fuselage. Small wide-area motion imagery (WAMI) sensor systems, radars with imaging and ground moving target indicator (GMTI) functionality, and signal intelligence suites are among the payloads that are already known to be available for this unmanned aircraft. It also has a sensor turret with electro-optical and infrared cameras under its nose.

Read the entire article at:

<https://www.thedrive.com/the-war-zone/43568/navy-special-ops-has-adapted-rq-21-blackjack-drones-to-deploy-smaller-quadcopters>



U.S. NAVY

Another look at the payload module offers a comparative view between its quadcopter drone and the ShieldAI Nova in the foreground.

The Recreational UAS Safety Test (TRUST)

All Propbusters are now required to take and pass The Recreational UAS Safety Test (TRUST), ... but don't worry!



The Academy of Model Aeronautics is an FAA-approved Test Administrator of The Recreational UAS Safety Test (TRUST). TRUST is a collaboration between the FAA and industry to provide TRUST and educational safety material to Recreational Flyers.

<https://www.modelaircraft.org/trust>

The Recreational UAS Safety Test (TRUST) FAQ

June 22, 2021, UPDATED TRUST INFORMATION:

The AMA has now been approved to administer The Recreational UAS Safety Test, or TRUST. AMA has worked closely with the Federal Aviation Administration (FAA), ensuring that TRUST meets the intent of Congress without placing an undue burden on our hobby community.

Since 1936, the AMA has been dedicated to the hobby of model aviation, to educational programming, and safety in the airspace. We are offering the TRUST to the entire community of model aviation enthusiasts free of charge.

Q: What is "TRUST"?

A: "TRUST" stands for The Recreational UAS Safety Test

Q: Why do I need to take TRUST?

A: The Knowledge and Safety Test is a congressional mandate in the FAA Reauthorization Act of 2018. **All UAS users** must pass the test in order to operate a recreational model aircraft (UAS) within the National Airspace System (NAS).

Read about TRUST at: https://amablog.modelaircraft.org/amagov/2021/02/24/the-recreational-uas-safety-test-trust-faq/?_ga=2.63574188.2031676889.1626979269-1294394244.1626979269

NOTE: According to a 2021-07-22 letter from Andy Argenio (our AMA District I vice-president) to Ed Deming and Dennis Duplice,

"Taking the test is required by law however ... no deadline was made known. We are advising all AMA members to take the TRUST test. ... If a member is involved in an incident with his/her sUAS/model-aircraft and is asked to show a printout or a digital image to authenticate that they have taken the test to an FAA person or Law Enforcement they can be issued a citation and be fined if they haven't proof on them that they took the test."

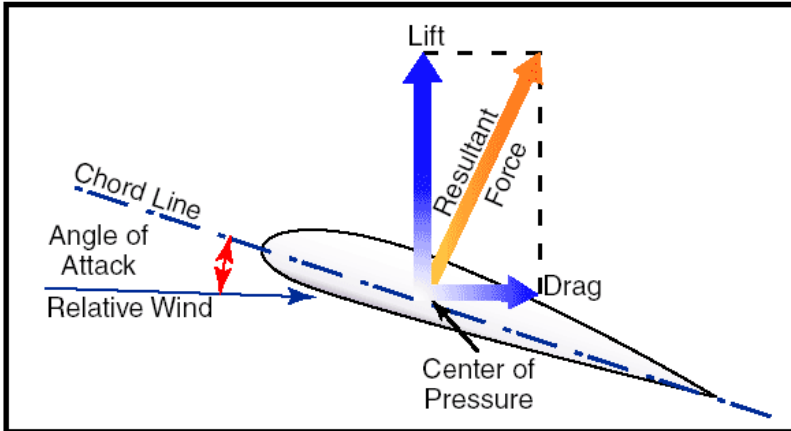
Flying Tips

Radio Control Model Airplane Flying: Basic Thru Intermediate Skill Levels

By George Krueger, Coachella Valley Radio Control Club George.kru@gmail.com Last Revised: 12/8/2017

Here are some notes, hopefully helpful, about setting up a high-wing trainer RC airplane for practice flying on the simulator.

The term “lift” means the vertical component of the pressure force generated by the moving wing, See the diagram below. Note also the drag component.



Wing pressure force (and associated lift and drag) is changed by two things: angle of attack (think of it as the angle of the wing relative to the flight path) and speed. Changing either increases or decreases lift/drag and causes climb or descent. So altitude control involves elevator (changes angle of attack) and/or throttle (changes speed momentarily) inputs. Smoothest altitude control in our trainer models comes from throttle management, not jockeying the elevator. If your model is slowly climbing, reduce power a little.

Read this useful manual at:

http://www.cvrclub.com/files/RC_Model_Airplane_Training_Manual.pdf

RealFlight - Panoramic Photo field

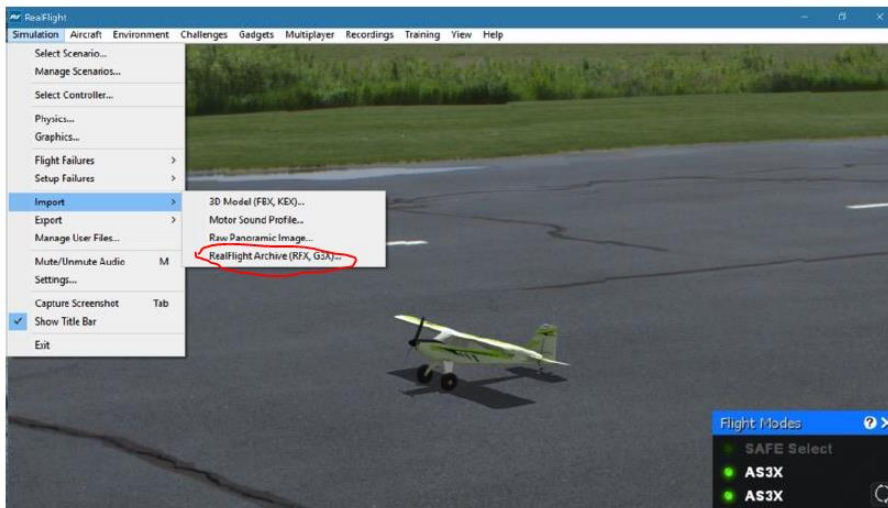
Download the "rcpropb-photofield_v2.rfx" file from our RC Propbusters website:

<http://rcpropbusters.com/index.html>

To import the site into your RealFlight G4 or above:

In RealFlight simulator's menu go to **Simulation > Import > RealFlight Archive** and/or read the RealFlight manual. The manual can be accessed from the RealFlight simulator's menu at: **Help > RealFlight Help...**

Find Propbusters Flying Field under tab: **Environment > Select Airport > Custom Airports > Photofields.**



Airport environment displays as **RCPropB-PhotoField_V2a.**

Selling RC airplanes, helis, and stuff?

We are encouraging members to use the Propbusters *facebook* site to sell RC airplanes, helis, and stuff.

Go to: <https://www.facebook.com/search/top/?q=rcpropbusters>

Model of the Month

Propbuster president Ed Deming shows his “Edge on a Stick,” as treasurer John Banks looks on (and tries to suppress laughter). Ed uses his “Edge on a Stick” to plan and visualize flight maneuvers. We should try it! See *Tips & Tricks* below.



Tips & Tricks

How to Perform the Lomcevak

Uploaded by: www.wild-wings.co.uk, Jul 2, 2019

In this tutorial I will take you through how to perform the Lomcevak. I will show you through the theory with yak on a stick and then show you

real life HD footage of me performing the

maneuver, along with transmitter movements. please visit the wild-wings website to see all 26 other tutorials! Watch this lesson at:

https://www.youtube.com/watch?v=93J_F2DHZh0



Minutes of the December 21st, 2021 RC Propbusters Meeting

The meeting was called to order at 7:30 PM with 10 members present at Salem Center School.

Minutes of the November 2021 meeting were read and approved.

Treasury Report:

- | | | |
|------------------------------|-----------------------------|--------------------|
| ○ Opening balance: \$2357.62 | ○ Expenses: \$265.48 | ○ Savings account: |
| ○ Income and dues: \$1542.16 | ○ Ending balance: \$3634.30 | \$36057.14 |

Events:

- Informal Thanksgiving Aerotow event was cancelled this year due to bad weather.
- Spring 2022 Aerotow is tentatively scheduled for April 21-24.

Old Business:

- Ed Deming and Mark Scott met with Dave Ryan concerning field improvement. Dave recommended holding off cost estimate until next spring. The tentative plan is to do a “field rejuvenation,” consisting of deep thatching, targeted weed killer, fertilization, and top dressing. The field improvement committee will consider a proposal in the early spring and then bring it to a vote at a club meeting. Our flying field will be usable during the rejuvenation process, except during the ‘not too long’ deep thatching.
- Tom Vernon recommended giving a \$300 donation to the Town of Salem for use of the Salem Center School for club meetings. Approval was unanimous.
- Members continued discussing possible impact of new housing development across Route 82 and are reminded to follow club flying rules and noise limit regulations.
- Members are reminded to take (and pass) the FAA safety test (TRUST). The AMA website has a link to it. Responsibilities of our club were discussed. Dennis Duplice recommends strongly urging all members to pass TRUST. We must determine if our club should require passage of TRUST for membership acceptance.
- John Banks continues attempting to address the issue with our Tax Id and new requirements for PayPal to report transactions above \$600. It is frustrating remaining on hold, but he will keep working on it. Our Paypal links remain active.
- Membership can be renewed for 2022. Stickers will be sent out in late December. Continuous members need NOT reapply with application form.
- Ed Deming briefly repeated how new regulations affect flying RC aircraft in Canada and the USA. Pilots in both countries must register with authorities and be tested.
- Aircraft noise was discussed. Joe Comeroski is heading a committee to investigate the noise assessment issue and propose an action plan. Ed Deming and Simon Holley will take noise measurements around flight line, the perimeter of our field, and near the new housing development.

New Business:

- Tom Vernon will discuss vegetable gardening location and activity with owner John Gadbois, and also discuss our long-term lease for our flying field.
- Steve Christley is now an instructor for fixed wing aircraft.
- Current club officers and board of directors were re-elected by acclamation.

Good and Welfare:

- Simon Holley donated a sound meter on behalf of his employer.
- Ed Deming suggested somehow our introducing Propbusters club to our new neighbors across Route 82 Propbusters want to be proactive establishing good relations.

New Members:

- Ted Gordon, Robert Landry, John Koptonak, Michael Jowdy – voted in.

Show and Tell:

- Ed Deming showed his “Edge on a Stick,” used to plan and visualize flight maneuvers.

Club Officer Attendance:

President Vice President Treasurer Secretary Safety Officer Field Marshal

Meeting adjourned at 8:30 pm.

Respectfully submitted by Jim Holzworth
