

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

February 2022 Newsletter

Register/Renew the FAA registration for your RC aircraft. See page 6.
Renew your annual RC Prophusters membership online at: http://rcprophusters.com/
Take The Recreational UAS Safety Test (TRUST), required by FAA! See page 9.
WARNING: Beware of varying field and road conditions with the freeze and thaw. See page 11.



John Glenn became the first American to orbit the Earth on February 20, 1962.

 $\underline{https://www.dailymail.co.uk/sciencetech/article-10528819/Stunningly-photos-John-Glenns-orbit-Earth-released-mark-60th-anniversary.html$

RC Prophusters 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.

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 2022

President: **Ed Deming** CHECK OUT OUR WEBSITE: Vice President: Dennis Duplice http://rcpropbusters.com/

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

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.

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

February Aviation Events & Milestones

- 18 February 1832 (France) Octave Chanute (1832-1910), first great historian of aviation, is born in Paris, France. Brought to the United States when young, Chanute was a civilian engineer before turning to aviation. In 1894 he published *Progress in Flying Machines*. The book became a bible for the Wright brothers.
- 4 February 1902 (USA) Charles Augustus Lindbergh (1920-1974), one of the most famous aviators in history, is born in Detroit, Michigan.
- 15 February 1926 (USA) The Ford Motor Co. becomes the first United States private air carrier to operate a contract airmail (CAM) route. Ford begins operations with CAM-6 between Detroit and Chicago and CAM-7 between Detroit and Cleveland.
- 10 February 1933 (USA) American Airways, Inc., extends air mail service from Toledo, Ohio to Columbus, Ohio.
- 13 February 1943 (Solomon Islands) The Vought F4U "Corsair" naval fighter makes its operational debut in Solomon Island, escorting PB4Y-1 "Liberators" (the United States Navy's version of the B-24) raiding Bougainville.
- 23 February 1945 (Iwo Jima) Flag Raising on Iwo Jima.
- 6 February 1956 (USA/France) William Judd lands his Cessna 180 in Paris after a solo flight of 25 hours 15 minutes across the North Atlantic from the United States.
- 11 February 1959 (USA) A United States meteorological balloon achieves a record height of 146,000 ft. carrying a special package of detectors sending information by radio signal to the ground.
- 20 February 1962 (USA) John Glenn became the first American to orbit the Earth.
- 20 February 1968 (USA) A standard Learjet 25 sets a new "time-to-climb" record by climbing to 40,000 feet in 6 minutes 29 seconds.
- 9 February 1969 (USA) First flight of the Boeing 747 "Jumbo Jet" airliner takes place in Seattle, Washington. The wide-bodied, long-range transport is capable of carrying 347 passengers, and is the largest aircraft in commercial airline service in the world.
- 13 February 1972 (USSR) The Soviet Union has started to use Cuba as a base from which to spy on the United States. The first mission is flown by two Soviet Tu-95, which surveys part of the east coast.
- 18 February 1977 (USA) The converted Boeing 747 Space Shuttle carrier makes its first flight with the shuttle "Enterprise" on its Back, at NASA's Dryden Flight Research Center.
- 21 February 1979 (USA) Former astronaut Neil Armstrong climbs to 50,000 feet in Kitty Hawk, North Carolina in just over 12 minutes in a Gates Learjet Longhorn 28, breaking five world records for business jets.
- 8 February 1988 (USA) The Federal Aviation Administration (FAA) retires an aircraft registration number for the first time (USA) that of Amelia Earhart's airplane, which disappeared over the Pacific in July 1937.

https://www.skytamer.com/February.html

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/



Gail Halvorsen, pilot who showered children with candy during Berlin airlift, dies at 101

By Emily Langer February 18, 2022

Gail "Hal" Halvorsen, an Air Force pilot whose gesture of kindness during the Berlin airlift — sending tons of candy fluttering down from the sky to the city's beleaguered children — endured in memory as a redeeming moment amid the aggressions of the Cold War, died Feb. 16 at a hospital in Provo, Utah. He was 101.

From June 1948 to May 1949, in one of the first major confrontations of the Cold War, Moscow blockaded West Berlin, blocking rail and road access to that part of the city. More than 2 million West Berliners, deprived of food, fuel, medical supplies and other basic necessities, faced starvation.

"I saw right away that they had nothing and they were hungry," he <u>told The Post</u> decades later. "So I reached into my pocket and pulled out all that I had: two sticks of gum." The gum was enough for only four children, but even the fragrance of the wrappers delighted the others.

Mr. Halvorsen's private project grew into an official mission dubbed Operation Little Vittles. (The Berlin airlift as a whole was known among American forces as Operation Vittles.) American candymakers donated tons of sweets for the effort, which quickly drew headlines and cheers on either side of the Atlantic. By the end of the airlift, pilots had dropped a reported 23 tons of candy over West Berlin.



Retired Air Force Col. Gail "Hal" Halvorsen, the "candy bomber" of the Berlin airlift, poses in 2013. (Staff Sgt. Jonathan Snyder/Air Force 3rd Combat Camera Squadron)



"Candy Bomber" Lt. Gail S. Halvorsen, of Garland, Utah, who started the airlift's "Operation Little Vittles" for candystarved Berlin children, demonstrates how handkerchief parachutes were used

to drop sweets. The 28-year-old lieutenant described the operation of the project at an interview in New York, Jan. 24, 1949. (Harry Harris/AP)

https://www.washingtonpost.com/opinions/2022/02/18/gail-halvorsen-candy-bomber-kindness-is-a-superpower/

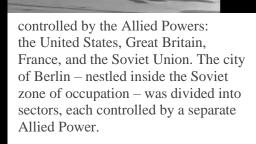
Read this entire obituary at: https://www.washingtonpost.com/obituaries/2022/02/18/berlin-airlift-candy-bomber-gail-halvorsen/

Operation Vittles

1948

This clip from the film *Operation Vittles* shows coal, flour, medical supplies, and milk being flown into the city of Berlin during the Berlin Airlift.

At the end of World War II, Germany had been divided into zones of occupation



Refugees flowed from the East to the West. In June 1948, the Soviet Union blocked all ground access to the sectors of Berlin under Western Control. With

roadways, canals, and railways blocked, the Western Allies had to rely on airplanes to deliver supplies to people in West Berlin. For the entirety of the blockade, planes flew constantly to supply the city of Berlin in what is known as the Berlin Airlift or Operation Vittles.

Watch this clip from *Operations Vittles* at: https://www.docsteach.org/documents/document/operation-vittles

Motion Picture 111-ADC-10314; Operation Vittles; 1948; Moving Images Relating to Military Activities, 1947 - 1964; Records of the Office of the Chief Signal Officer, Record Group 111; National Archives at College Park, College Park, MD. [Online Version, https://www.docsteach.org/documents/document/operation-vittles, February 19, 2022]

2022 Event Schedule

Propbusters Flying Field Clean-up Saturday, April 9th (rain date, Sunday, April 10th)

Spring Aerotow Thursday, Friday, Saturday & Sunday, April 21st – 24th

Memorial Event TBD
All-Electric FunFly TBD
Neighborhood FunFly TBD

Labor Day Potluck Monday, September 5th

Learning the secret of flight from a bird was a good deal like learning the secret of magic from a magician. After you once know the trick and know what to look for you see things that you did not notice when you did not know exactly what to look for. Orville Wright

Things which seemed reasonable were often found to be untrue, and things which seemed unreasonable were sometimes true. Orville Wright

The wing warping and the rudder were mechanically coupled in order to relieve the operator of thinking of two operations simultaneously. Orville Wright

The balancing of a flyer may seem, at first thought, to be a very simple matter, yet almost every experimenter had found in this one point which he could not satisfactorily master.

Orville Wright

http://www.quoteswise.com/orville-wright-quotes.html

Practice, Practice, Practice

... but PLEASE practice social distancing.

"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

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 <u>FAADroneZone</u>.

The secret about biplanes | The reason why they don't fly anymore

Sep 16, 2019 Joyplanes RC

Biplanes look cool, but they have a story, they still exist today, and they are a curious flying piece of machinery. In this video I'll be showing a basic explanation and a short story about these airplanes.

Watch this video at:

https://www.youtube.com/watch?v=0P0K9BSuQqE&t=2s



The precarious plane landings at London Heathrow

during Storm Eunice | 5 News

Feb 18, 2022 5 News

As Storm Eunice battered the UK a livestream of precarious plane landings have kept hundreds of thousands of us glued to our screens. 5 News spoke to the man behind it.

Watch this thrilling video at:

https://www.youtube.com/watch?v=j25sD7rjHZQ



Fly Better With the Rudder

Feb 15, 2015 thintz12

The full story has photos and more details. Watch this video at: https://www.youtube.com/watch?v=QgN7J3MddSo



Rudder: You MAY Be Using It Wrong. Here's Why.

Dec 9, 202

Tail Heavy Productions

What's that rudder for, anyways? We all know the folks in the RC airplane community who only use their rudder for taxiing and never fly in a crosswind. We'd love to change that mindset and hope this video helps folks with their directional control about the yaw axis in order to prevent an RC crash. Let's forward slip while flying RC planes and take a look at what the folks mean when they talk about things like; side slips to landing, forward slips, cross control, and many other fun topics such as aerobatics/3D flying that



incorporate the rudder. We hope this RC Rudder 101 video is helpful for everyone learning how to fly RC! Our educational videos are written and narrated by Zach - our resident full-scale professional pilot & instructor who brings both his real-world and RC wisdom into our videos. Watch this video at:

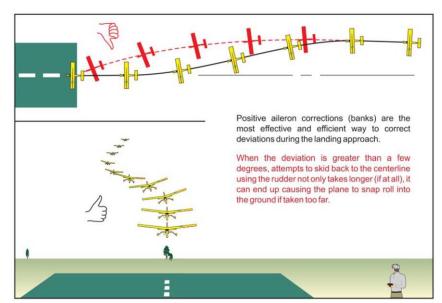
https://www.youtube.com/watch?v=tse8jgEGlQQ

Best Landing Practices and Wind Advice

When listening to sport flyers, it's obvious that the over emphasis on rudder during landing is due to the assumption that expert pilots use the rudder a lot in general, especially to counter wind during aerobatics. Since a landing in wind supposedly requires more skill, the belief is that the key to good landings must lie in mastering the rudder like the pros.

The reality is that the pros primarily use the ailerons to line up and to correct deviations during the approach to landing whether there's a crosswind or not (figure 1). If there's a stiff crosswind, they will then use the rudder to smoothly "kick out the crab" right before the wheels touch, and then obviously continue using the rudder to steer after touchdown.

It is true that a pro will sometimes use tiny amounts of rudder during the landing approach to correct (hide) small deviations off of the centerline, however, if the deviation is more than a few degrees, it's understood that correcting with the ailerons, i.e., banking the wings, is the most effective way to get back on course. As we say in full-scale aviation,



"use the ailerons to control drift (movement side-to-side), and use the rudder to align the fuselage parallel with the centerline at touchdown." One exception is when it becomes necessary to mix or coordinate rudder with the aileron to prevent adverse yaw while making course corrections, such as when landing a flatbottom airfoil trainer at slow speed.

Read this entire article, with graphics, at: https://www.rcflightschool.com/Content/files/PDFs/CrosswindLandings.pdf

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).

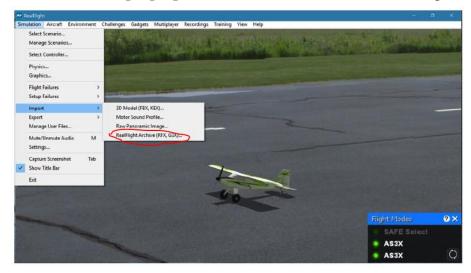
Read about TRUST at: https://amablog.modelaircraft.org/amagov/2021/02/24/the-recreational-uas-safety-test-trust-faq/? ga=2.63574188.2031676889.1626979269-1294394244.1626979269

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."

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.

Know About the Details of 16 RC Battery Connector Types

September 3, 2018

Coverage of the many battery connectors available to RC pilots.

Read this review at: https://blog.ampow.com/rc-battery-connector-types/

And now there's a new connector (for a Spektrum Smart Battery). Read about the new Spektrum Smart Technology and adapters at: https://www.horizonhobby.com/spektrum-smart-technology/ and



https://www.spektrumrc.com/Search/Default.aspx?SearchTerm=Spmxca

Read about this new technology and view the video at: <u>https://www.spektrumrc.com/smarttechnology/default.aspx</u>



Tips & Tricks

Top 10 R/C Flying Tips

- #1 Practice: ...
- #2 Land keeping plane pointed at yourself until late: ...
- #3 Take off with Speed: ...
- #4 Elevator for speed and throttle for altitude: ...
- #5 Sticks together or sticks apart for knife edge. ...
- #6 When control is lost....
- #7 Power into turns when slow or on approach.

Read more about these flying tips at: https://www.precisionaerobatics.com/2018/07/25/top-ten-r-c-flying-tips/

Model of the Month

Mark O'Connell showed his nifty Skynetic Neptune 64mm EDF jet.

Mark wrote "I took the Skynetic Neptune and removed the stickers and painted it using Rustoleum X2 spray paint. It is painted to resemble the Handley Page Manx which was a British WWII flying wing. The original never got past the Prototype stage as there were issues with the then new turbojet engines being developed by the Brits. The piston engines were too heavy and unsuitable.

The model is painted in the Brit Prototype scheme of green and tan camo on upper surfaces and all yellow undersides. The yellow circle surrounding an uppercase P signifies Prototype. One of my flying buddies from the Black Sheep of Durham Erick has a Neptune he did in the WWII Nazi Horton flying wing so I said I would do the Brit version so we could mix it up a little this summer."

The Skynetic Neptune 64mm EDF Jet is a flying wing that can penetrate through moderate winds while performing aerobatic maneuvers with ease. The wing stabilizers, dual rudders and positive dihedral keeps the Neptune steady and tracking true in flight. Made of light yet durable EPO foam with a streamlined, aerodynamic profile and a powerful 2611 KV 4500 Brushless Outrunner motor for 1:1 power-to-weight ratio, the Neptune is tailor-made for countless hours of exhilarating, flying fun! Details from:

 $\frac{https://www.motionrc.eu/products/skynetic-neptune-blue-64mm-edf-jet-pnp}{Watch\ videos\ at:\ \underline{https://www.youtube.com/watch?v=yWynL_ZdtWE}}$

and https://www.youtube.com/watch?v=u5cZRNe3AqI



Warning

Beware of varying Propbuster flying field and access road conditions with freeze and thaw nowadays. Our Propbuster field parking lot has been very soft. **Don't get stuck!**

Minutes of the February 15th, 2022, RC Propbusters Meeting

The meeting was called to order at 7:31 PM at Salem Center School with 21 members present in person, and President, Ed Deming, present online.

Minutes of the January 2022 meeting were read and accepted with corrections.

Treasury report:

Opening balance: \$4642.37
 Income and dues: \$794.60
 Expenses: \$2079.44
 Savings account: \$36,060.20

Events

- Field cleanup April 9th (rain date April 10th)
- Spring Aero Tow April 21st 24th. Should not be affected by the field improvement.

Old Business:

- Proposal was sent to members who did renew their membership for 2022. Ed Deming, participating online through Zoom, did present the details of the current proposal and questions raised by members were answered. There was a discussion about this investment in the lawn with considerations for the possibility that the club may lose its field. Ed reviewed ongoing mitigation steps for all concerns brought forward.
- Motion to go ahead with the proposed lawn improvements was approved with a count of 14 yes votes vs. 3 no votes.
- The retirement community across the field is not in a move in stage yet. We will take some sound measurements at the next event to make sure we comply with regulations.
- Don't forget to take the AMA TRUST test and your FAA registration! We are required by law to take the test.

New Business:

- Two long time members of the club, Brian Jolicoeur and John McCorminck did pass away. We will add their names to the plaque at the field.
- The field is still wet, including the parking lot that is like "soup city". Flying not recommended. Some potholes will have to be fixed.

Good and Welfare:

- We will print a new batch of the Club flyers. Some updates are required. A maximum of \$300 budget was approved for this. still in progress.
- Ed Deming, Dennis Duplice and Tom Vernon participated in an AMA District 1 Leadership Zoom meeting on 1/20/2022 with VP Andy Argenio and other District 1 club officers. Meeting covered AMA progress on club altitude waivers, club responsibilities with respect to TRUST test and FAA registration enforcement, and the FAA-Recognized Identification Areas (FRIA) site application process.

New Members

- Michael & Jonathan Loffredo, Raymond Burdick, Shirley White. All the new members were accepted and voted in.

Show and tell

Marc O'Connell: Skynetic Neptune – 64mm ducted fan.

Club Officer attendance:

 \underline{X} President \underline{X} Vice President \underline{X} Treasurer \underline{X} Secretary \underline{X} Safety Officer \underline{X} Field Marshal

Meeting adjourned at 8:35 pm.

Respectfully submitted by Peter Sylvester.

Minutes of the January 18th, 2022 RC Propbusters Meeting

The meeting was called to order at 7:32 PM with 12 members present online.

<u>Minutes</u> of the December 2021 meeting accepted (not read at the meeting).

Treasury report:

Opening balance: \$3634.0
 Income and dues: \$1533.39
 Expenses: \$525.32
 Savings account: 36058.67

Events

- Field cleanup April 9th (rain date April 10th)
- Spring Aero Tow April 21st 24th. Should not be affected by the field improvement.
- Field improvement. Ed did talk to Dave Ryan and got a really good offer for a four-stage work. Total cost is \$7875 this includes material, labor, and equipment. In the upcoming weeks we will get a written proposal.
- We did donate \$300 to the town of Salem for the use of the school building.
- We made the yearly field rent payment to John Gadbois for \$2000. John verbally committed to Ed Deming and Tom Vernon to enter into a 5 year lease with our club starting with the 2023 season.
- The retirement community across the field is not in a move in stage yet. We will take some sound measurements at the next event to make sure we comply with regulations.
- Don't forget to take the AMA TRUST test and your FAA registration! We are required by law to take the test.
- The Paypal link to the yearly membership payment on the website has been updated.
- The vegetable garden proximity issue was discussed with John Gadbois by Tom Vernon and Ed Deming. John said that the garden will be in the same location for 2022, but will be moved back to the other side of Route 82 in 2023. He and Tom Vernon will speak to the garden organizer to try to better coordinate gardening activities to interfere less with club flying activities in 2022.

New Business:

- The FAA did approve the altitude waver for flying rockets from our fields.

Good and Welfare:

- We will print a new batch of the Club flyers. Some updates are required. A maximum of \$300 budged was approved for this.
- We are thankful and wish to congratulate the 'Field Moving Crew'.
- Congratulations to the retirement of Richard Cavanagh and George White.

New Members

- Anthony Collins – voted in.

Show and tell (aka 'Toy Time')

- Bob Beauregard: Sig Wonder electric.
- Ed's 'Ancient History' digitized video of his 1972 King Fisher seaplane.

Club Officer attendance:

<u>X</u>	President	Vice President	<u>X</u>	Treasurer	<u>X</u>	Secretary	_X_	Safety Officer	Field N	Marshal
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Meeting adjourned at 8:35 pm.

Respectfully submitted by Peter Sylvester.