



TAILWINDS

www.RCACES.ORG



The RC Aces are affiliated with the AMA (Academy of Model Aeronautics), Charter #1377. Meetings are held the first Thursday of the month, September through May at the North Hampton Public Library (6:00 PM) unless otherwise notified. All members, spouses, potential members and guests are invited to attend.

Club Contacts for 2024-2025:

PRESIDENT:

Mark Thom, bonzai1959@gmail.com

VICE PRESIDENT:

Frank O'Neil, f2datank@outlook.com

SECRETARY:

Ken Kennedy, usma82@verizon.net

TREASURER:

Don Chase, dhchasenh@comcast.net

NEWSLETTER:

Ken Kennedy, usma82@verizon.net

SAFETY COORDINATOR:

Dean Allred, nada2@comcast.net

CLUB CONTACT:

Don Chase, dhchasenh@comcast.net

BOARD of DIRECTORS:

Jim Tilton, John Backhaus, Mike Larson

WEBMASTER:

Mark Berard, grampyb@comcast.net
James Lewis, designercom@hotmail.com

THE NEXT RC ACES MEETING IS ON

***** February 6, 2025 *****



Scale Plane Sound Systems!

Electric-powered R/C planes have a few advantages and a few disadvantages over gas/glow-powered planes. One of the big disadvantages in my mind is the lack of an engine sound. Who doesn't love the sound of a big four-stroke growling along the runway?

Well, here's the next best thing—a sound system for electric planes! There are several on the market today, some pricey, some not so much. A quick Google search will turn up a number of different brands. All have the same three basic components: a controller, one or more speakers (transducers) and a power jack that typically is installed between the ESC and battery lead.



The controller is usually Y-connected to the throttle lead from the receiver so increased throttle results in greater sound.

(Continued on page 4)

Frozen Finger Fun Fly

***Fremont Flyers at the N.E. Dragway
January 31, 2024***



Meeting Notes

January 2, 2025

Meeting was called to order at 6:05 pm with seven members in attendance.

Treasurer's Report: 39 current members. 16 have paid 2025 dues. Report read and accepted.

Secretary's Report: Meeting notes from the December newsletter read and accepted.

Safety Coordinator's Report: Nothing to report.

Old Business:

- Continued discussion on painting outside of conex and logo. Jeff B suggested it would be quicker and simpler to buy a vinyl decal as was done for the gate sign. Further discussion on how to mount the logo.
- More discussion on possible lighting needs inside the conex (consensus that with the doors wide open, lighting not needed).
- Jeff B provided Don C the name for the AMA insurance certificate.

New Business:

- We may want to move the porta-john over to the area of the conex. We should also consider a sign stating that the porta-john is for use by members and guests only.
- Reviewed the progress on establishing Zoom meetings. Frank has established an account and has tested system with James L. Some concern that when Zoom is in place nobody will show up in person! There is also a concern that 40 minutes connection time would not be adequate for our meetings (free Zoom account). Can Frank check on the possibility of a monthly fee (rather than annual) so we could have a longer meeting time?

Questions / Comments / Suggestions:

- None at this time

Meeting adjourned at 6:25 PM

SHOW & TELL: None

Hints for Winter Flying

- Bring some WD40 in case the gate lock is frozen.
- Skis for shallow or crusted snow, pontoons for deep snow.
- If flying electric, count on shorter flight times with the cold.
- Wear sunglasses if the ground is snow-covered.
- Try cotton glove liners for warmth without loss of dexterity.
- Dress warmly! Shaking is not conducive to RC flying!



Installation of the speakers/transducers can vary depending on the location available and the airplane construction material. Generally, it is best if they can be located as near as possible to the aircraft center of gravity. The devices are fairly lightweight, but they can throw off CG if they are installed too far forward or aft.

On balsa airplanes the speakers can be installed directly to the side or bottom of the fuselage—if there is a balsa panel to glue it to. In this instance, the vibrating speaker causes the entire airframe to vibrate, thus creating a larger and louder source of sound. If there are no balsa panels (frame and covering only), you can install a balsa panel inside the frame fairly easily.

In the case of foamy aircraft, this is a little more difficult because the foam tends to muffle the sound and dampens any vibration. In this instance, it is often preferable to install a mesh or vented area at the bottom of the fuselage and install the speaker there.

In the picture to the right you can see the set-up for my VQ Tiger Moth. At the left is the power jack installed between the EC5 plug coming from the ESC and the T-plug (Deans) that will go into the lipo battery lead. Please ignore the rat nest of wires!



Top and bottom are the two speakers/transducers that are glued directly to the sides of the fuselage. In this case, the fuselage is balsa-skinned so the devices could be installed easily.



On the right is the controller. The throttle signal comes in from the receiver throttle channel and the “engine sound” increases in volume as the throttle is increased.

One feature found in most R/C sound systems is the ability to change the type of engine sound produced. Change the sound from a common Continental engine to a radial engine with the click of a button! More expensive systems allow the installation of various plug-in sound modules that can add additional and more specific types of aircraft sounds such as multi-engine or rotary engines (WWI).

Although a sound system adds a great feeling of realism at the airfield, be advised that the sound can be drowned out by that sweet-sounding four stroke buzzing by. But try it—you’ll like it!

RC ACES 2025 MEMBERSHIP / RENEWAL FORM

First _____ Last _____ AMA #(required) _____
Address _____
City _____ State _____ Zip _____
Phone _____ Cell _____ E-mail _____

Regular Membership \$75.00 (ages 18 to 64)

Junior Membership \$20.00 (ages 17 and under)

Senior Membership \$60.00 (ages 65 and over)

New members please include an additional \$35.00 one time initiation fee

(Fees are subject to change)

Total Due \$ _____

As a member of the RC ACES Radio Control Club I agree to the following:

I have read and agree to abide by the Official Academy of Model Aeronautics (AMA) National Model Aircraft Safety Code, the club by-laws and all rules and regulations of the RC ACES.

I agree to release club members or club officers from liability if an aircraft I am operating is involved in an accident or otherwise causes harm to another person or property or if I am injured as a result of any activity related to club activities or operation of model aircraft.

(The intent of the above statement is to keep others not directly involved with an incident out of any proceedings related to the incident)

I agree to assume all liability for any model that I am operating in case of harm to other persons or property.

Signature _____ Date _____
(parent if a Junior member)

Membership renewals may be brought to the regular meeting held at the North Hampton Public Library at 6:00 pm on the first Thursday of every month, starting in September or mailed to the address below:

NOTE: Please make checks payable to RC ACES

Or send via Venmo (@Donald-Chase-10)

**RC ACES
26 Holmgren Road
Stratham, NH 03885**

RC Aces membership period is from April 15, 2025 to April 14, 2026