

HCRC Flyer



June 2019



AMA Chapter #341



Figure : *First day*
of: Joe Nall 2019
at Triple Tree
Aerodrome,
South Carolina



ATTENTION!

**We encourage
any comments
as well as
content for
monthly issues
Please email
alanhcrc@gmail.com
for
submissions.**

Thank you.

The club encourages all our members to visit the club's Facebook page and check out the latest content, announcements and club event's www.facebook.com/groups/148353592007739. Also check out the clubs website at www.hampshirecountyrcc.com

Hampshire County Radio Controllers

Business Meeting of May 2, 2019

MINUTES

The meeting was brought to order by V.P. Santiago M. after pizza was brought in from Florence Pizza for the small group attending. As was noted, the weather was a factor in moving to the VFW when May's meeting is usually held at the field. The attendance was 10 including two of the club officers, so the meeting rules for voting were suspended due to a lack of a quorum. As the secretary mentioned; the only time a vote is valid without a quorum is when an applicant for membership is presented. Santiago then asked the secretary to read the minutes (waived by consensus) and the treasurer's financial report for the month of April. As there were no objections or change the financial report was accepted as read. Under Old Business, Santiago said we would forgo the usual 50/50 raffle but would have a free raffle of donated hobby items later in the meeting. Next, he went over some of the tasks completed at the Spring Clean-Up that included: new bleacher seating (metal frame donated by the SPARKS CLUB) needing completely new wood for the seats and steps. Ron Paul had taken care of this and also the painting of the frames and wood. Other painting was not completed due to the wet weather but will be held off until later. Another item added to the field was the donated Porta Potty (SPARKS). Ron negotiated with a service company to refurbish it and to only charge HCRC for each cleaning instead of a monthly rate. Other items included a new entrance sign on the gate (club information) and placing of the usual safety barriers, tables, the flag and frequency pins. Santiago thanked D. Sherman for his first mowing of the season and asked for more help to keep up with the grass cutting that always needs doing. Under New Business he also talked about various committee needs ,i.e. member donations for the Swap Meet coming in mid-September, more ideas and participation in the Events Committee meeting at his home on May 7 and the Power/Pavillion meeting on May 7th at Leo's home. Pat Malone brought up a situation at the field - of the finding of two large trees that are burned and diseased on our abutters property (to the West) in need of removal. (More on that issue after contact with the landowner.)

Reminder – This coming weekend the FCRCC (Turners Falls Airport) is holding its 8th Annual R/C Flea Market 5/4/19 from 9-1.

New Member Vote Stephen Root from Ludlow, was unanimously voted into the club tonight. His application showed an interest in electric. As he is just starting, he will need help and instruction from HCRC members.

Before adjournment the members were given free tickets for a raffle, of five items generously donated items.

Meeting adjourned after pizza and forty minutes.

Respectfully submitted,

Gordie Lauder, Secretary

Upcoming Events:

June 5th: Business meeting at the field 7PM

June 8th : "Run The Runway" @ Westover Metropolitan Airport

July 6th : "Electric fly in" @ Wintonbury Flying Club (Bloomfield Ct)

Airplane of the month (June): V-173 "Pancake"



The **Vought V-173 "Flying Pancake"** was

an [American](#) experimental test aircraft built as part of the [Vought XF5U "Flying Flapjack"](#) [United States Navy](#) fighter aircraft program during [World War II](#).

Both the V-173 and the XF5U featured an unorthodox "all-wing" design consisting of flat, somewhat disk-shaped

bodies (hence the name) serving as the lifting surface.^[1] Two piston engines buried in the body drove [propellers](#) located on the leading edge at the wingtips.^[1]

"Round" was also the watchword for the Vought [V-173 Flying Pancake](#) – a twin-engine demonstrator that looked more like a frisbee than an airplane. Despite its solid handling at low speeds (as confirmed by test pilot [Charles Lindbergh](#)) and its ability to take off and land in extremely small spaces, the V-173 never advanced beyond the demonstration phase. Only one was ever manufactured.

Article for your enjoyment submitted by Ron Paul

One of the trickiest jobs for a scale model builder is mixing custom colors for their RC scale project. The difference between accurate and “pretty close” can be the difference between winning and not even placing at a scale contest. For those who are considering going the next step in scale accuracy, this article digs a little deeper into this “colorful” and often misunderstood part of scale modeling.

After collecting the proper aircraft color and markings documentation, the biggest challenge we modelers face is accurately reproducing the scale colors. Without the proper paint, our models can’t match the documentation of the full-size aircraft. Many newcomers are quite surprised to learn that there really are no catch-all formulas for mixing military or civilian colors. Sure, you can buy cans of paint that say “Cub Yellow” or “Olive Drab,” but more times than not, these pre-mixed colors still won’t exactly match the shades of yellow or olive we want. The reasons for this are many, ranging from the amount of pigment used to the color of the primer that’s under the final coat of paint. This is why if we want to be truly accurate in our color application, we have to be able to slightly alter the color, shade and hue of our paints.

Color spectrum

Going back to art-class basics, there are only three primary colors: red, yellow and blue. Primary colors are those that can not be made by mixing other colors together. Secondary colors are made by mixing the primary ones. Red and yellow make orange, yellow and blue make green, red and blue make violet or purple. All other colors are created from primary and secondary colors.

The exact color of your secondary color depends on the proportions in which you mix the primary ones. Black and white aren’t colors; they are tones and are used to lighten or darken the color. Black and white together creates gray. The complementary color for a primary color is what you get by mixing the other two primary colors. The complementary color for red is green (yellow and blue mixed); the complementary for blue is orange (red and yellow mixed); and the complementary for yellow is purple (red and blue mixed). If you mix all three primary colors together, you get a tertiary, or neutral, color. Neutral colors are browns and grays and they can also be created by mixing a primary color and a secondary color together.

Mixing Tip 1: Think small

When you mix paints for the first time, it is best to experiment in small batches until you figure out the ratios of the paints you are using. Think drips and drops and teaspoons, not pints and quarts. Mixing larger quantities can

get very expensive! Once you figure out the ratio you need for a specific color using a particular paint, you can increase the volume to produce as much of it as you need. Don't forget to keep this information in a safe place for future reference.

Mixing tip 2: Add dark to light

It takes only a bit of a dark color to change a light color, but it takes considerably more of a light color to change a dark one. So for example, if you want a specific shade of blue, start by adding blue to a white base. Never add white to a blue base in an attempt to create a lighter blue. Generally speaking, basic military camouflage paint schemes include various shades of green, brown and gray.

Paint Points

For consistent results it is very important to use quality paints with consistent pigment and mixing qualities. One of the best we've used, and is a standard for many serious scale modelers is the line from Klass Kote. This two-part epoxy paint comes in many colors and has various catalyst to produce different levels of sheen or flatness. I do not mix brands so I always stick with what works. Klass Kote works.

FREQUENTLY ASKED QUESTIONS

> What's the easiest way to make a brown?

Mix a primary color with its complementary color. You can add green to red, orange to blue, or purple to yellow, or. Each combination produces a different color brown, so here again, experiment with small amounts to zero in on the color combination and ratio you need.

> What's the easiest way to make a gray?

Mixing black and white doesn't usually give you a good start for scale gray colors. Mix some orange (or yellow and red) with a blue then add some white. You'll always want more blue than orange, but experiment with the amount of white you use. You can also mix blue with a dark earth color.

> Why do my tertiary colors keep turning out muddy?

If you mix too many colors together, you'll simply get a nice mud color. (Not bad for weathering, but more on this another time!) If your gray or brown doesn't come out right, instead of adding more colors in the hope that it will work out, just start over.

Mixing colors is not just a chore reserved for scale modelers. Mixing colors also helps when you want to paint an engine cowl or wheel pants to match the rest of a film-covered sport plane. Sometimes just a little color tweak will make all the difference in the world. There really is a method to all this color madness, and once you learn the basic steps, you'll soon be able to duplicate any color you need. Just like anything else worth doing right, all it takes is practice and a little know-how.

Painting your model

One basic rule you should always follow when painting a model is to apply the lightest colors first and then add darker colors. This usually means you apply the light underbelly pale blue or light gray color first. Next apply the lightest of the top surface colors and then apply the darker ones. When painting a Japanese Zero, in a South Pacific scheme, first paint the entire plane in the light blue under surface color, then add the medium gray or dark green upper surface color. If you paint light-colored aircraft markings and insignias, follow a similar

procedure and first apply the marking color, mask off the numbers and insignias, then apply the other colors. When you remove the mask, the lighter insignia color will be revealed. Make sure you use a good-quality automotive masking tape. Like anything else in this hobby, it takes time and practice to perfect the technique. And by the way, color matching isn't just for the outer colors; interior cockpit colors, exposed engine colors and even wheel-well colors all need to be properly matched to your documentation.

Icing on the cake

Weathering and other surface details will make your model look even more realistic. First, you have to use the proper weathering for the aircraft, whether it's mechanical damage or discoloration from exposure to the natural elements. Second, because of the model's scale size, we have to tone it down in its entirety to make up for the difference in the scale distance between our eyes and the model. This is known as "color perspective."

Mechanical weathering includes things like chipped paint, wear patterns from the pilot walking on the wing and rubbing against the edge of the cockpit, exhaust stains, dirt and mud. All must be subtly applied. Natural element weathering takes the form of sun damage and rain streaks. Bright sun fades the overall color of the upper exposed surfaces and water streaks are formed in a vertical fashion as the aircraft is in a parked, static position. Color perspective can really mess with your head. You can perfectly match the color chips and mix the colors but when you place the model outside in the sunlight, the colors look too intense. If you looked at a 1/4-scale model from 25 feet away, you would have to look at the full-size plane from 100 feet away for them both to look the same relative size. But there's four times as much space and air between your eyes and the full-size plane so, its colors seem slightly muted. To duplicate this on the model, you either have to mix all the paints slightly off color, or you can apply the lightest mist of medium gray over the entire model to alter its color perspective. This treatment goes over everything: canopy glass, markings, propeller blades, tires ... everything that reflects light. But regardless of the type of weathering you're talking about, less is always more. Too little is always better than too much. We've only scratched the surface here about mixing custom colors, so if you have any questions or comments, please post a comment below.

To truly appreciate scale models with superbly painted and weathered finishes, you have to attend a national- or regional-level competition such as Top Gun, the AMA Scale Nationals or the U.S. Scale Masters Championships. The models competing at these levels are true works of art.

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