

May 2018



... an AMA Award of Excellence Club!



Newsletter

Proudly serving the Huntsville community at the
Captain Trey Wilbourn Model Airplane Field.

Inside this Issue

- 1** President's Message
- 2** FAA Section 336 Update
- 2** Incidence Angles
- 3** Upcoming events
- 3** Pattern Flying
- 4** Past meeting minutes
- 5** Club Contacts
- 6**

P.O. Box 2163
Huntsville, AL 35804

President's Message

RCRC's Club Day is almost here! Saturday May 19 is the date. This is a free event for all. Member fly and eat for free! Spectators are welcome, so spread the word to have your friends and family come out so we can show off for them. We'll have all kinds of flying things at this year's event so please plan to stop by and pay us a visit even if you're not flying.

Just in case you might overlook it in the minutes below, runway painting is scheduled for Tuesday May 15. The runway will naturally be closed while this work is in progress. The multirotor area will remain open during runway painting. I will send out further notices via email and Facebook to keep you up to date.

It appears as though sign-ins and flying permit posting has been improving. We also have a sign-in log in the multirotor area. Keep up the good work and continue to help your fellow pilots remember to sign-in and display their permit. Now that we're doing memberships year-round to synchronize with AMA memberships, please ensure your AMA membership and RCRC flying permits are always valid BEFORE you fly. This is extremely important from a liability and legal standpoint. Please let me know if you have any questions.

Fly well, fly safe,
Bob Templeton
President – RCRC, inc



.....

Incidence Angles

How do we get young blood to join us?

Credit to Park Pilot

<http://theparkpilot.org/tech-incidence-angles>

In a nutshell, the wing incidence angle is the angle measured between the wing and fuselage centerlines. If the wing is mounted parallel with the fuselage, there is 0° angle of incidence. A positive angle would mean the wing is tilted up.

During cruise flight, all wings need to have some angled attack against the oncoming air to maintain altitude. By mounting the wing at a positive angle of incidence, the fuselage can cruise at an angle parallel with the ground.

Lucas Weakley, the author of the Park Pilot article built a test plane to experiment with incidence angle. At 0° the fuselage was noticeably pitched up. At 2° the fuselage was level with the horizon confirming the theory above. Further tests were conducted with the

angle at 15° and 30°, the aircraft didn't want to fly in either of those configurations.

In the end, the fuselage creates so much drag at higher angles of attack that the airplane cannot fly unless the fuselage is also at least close to being in the same flightline as the wing.



Another attempt was made later at Flite Fest with fuselage mods and paying close attention to proper CG.

Read the full article for more info. Ω

Airplanes vs Drones: Culture

Different segments flying in harmony.

Full article by Matthew Ruddick here. <http://modelaviation.com/deal-with-drones>

In many cases, traditional modelers know little about the culture of drone pilots. Conversely, some in the drone world look at traditional modelers with a very stereotypical scope and fail to understand their concerns that the drones

will ruin the hobby they've loved for so long. Hopefully some of these misunderstanding can be easily cleared up.

After an interview of a couple of well-known FPV racing pilots, they looked in the sky to see a gaggle of warbirds in formation during the Indiana Warbird Campaign (IWC) which was being held at the same time as the FPV race. They were in awe at how much work and attention was put into each of those aircraft and insisted on going to look at them.

Later while speaking to a pilot at the IWC, he mentioned that he was really interested in seeing how "... those drone pilots can make it look so easy."

Not likely that all of us will make a full crossover into another segment of our hobby, but some of our RCRC members already have a toe in both pools. What's it going to take for our club to continue growing and running smoothly? A little understanding of each other's flying sounds like a very good start.



House of Representatives Passes FAA Reauthorization Act

Credit AMA Government Relations Blog

Today, the House of Representatives passed the FAA Reauthorization Act of 2018 (H.R.4), a long-term reauthorization of the FAA. We are happy to share that Section 336, also known as the Special Rule for Model Aircraft, is included in this bill with meaningful refinements that we supported to help make it stronger. We especially want to thank the thousands of members who participated in our Call to Action in the last few weeks to let Congress know the importance of protecting our hobby. Your efforts during this critical time have made a significant impact.

While much of what we fought for was included in this bill, there are also some provisions that concern us. Rest assured – we will continue to work on improving FAA Reauthorization moving forward. Protecting our hobby is AMA's top priority and we will do everything possible to ensure your ability and freedom to fly.

Please remember there are several more steps in the process before FAA Reauthorization becomes law. The next step is for the Senate to consider its own version of FAA Reauthorization, and then both the House and Senate bills will be sent to a Joint Committee to hash out a final version of the legislation. This process could take months and we may ask for your help again during this time.

Again, we cannot thank you enough for your unwavering support. Please continue to monitor your emails, social media, and www.modelaircraft.org/gov for new information



Events Coming In 2018

Tuesday 15 May, 6pm
Next Club Meeting

19 May
Club Day

More info coming soon.

9 & 10 Jun
Main Airfield
MultiGP Regional Qualifier

More info coming soon.

30 Jun & 1 Jul
TBD

MultiGP Regional Final
Event in conjunction with Space & Rocket Center, more info coming soon.

7 Jul
Airfield & Clubhouse
Swap Meet

Tentative date, coordinating with other area clubs to avoid conflicted dates.

11 Aug
Main Airfield
National Model Aviation Day

More info coming soon.

8 & 9 Sep
Main Airfield
Pattern Competition

More info coming soon.

Continued on Page 4

Next time you are out at the field, take a look across the road, chances are you'll see cars parked in both areas. Take 5 minutes, walk to the other flightline, introduce yourself and ask some questions. You might be amazed and what you learn, I know I sure have!

To read more on this, check the full Model Aviation article. [Ω](#)

Call to members for newsletter content.

Send your content to:

newsletter@rocketcityrc.com [Ω](#)

Precision Aerobatics — Pattern Flying

Precision aerobatics is a type of disciplined RC flying where pilots strive to perfectly execute a series of aerobatic maneuvers.

Pattern RC planes, especially at the top levels of competition, are specifically designed to fly aerobatic maneuvers perfectly. Perfecting these maneuvers gives you a purpose and a set of goals to work towards. You compete with others and yourself as you strive to perfect each maneuver through practice.

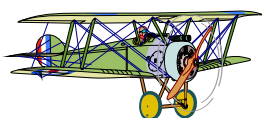
<http://www.hooked-on-rc-airplanes.com/precision-aerobatics.html> [Ω](#)



Runway Painting

Have we got it covered? Let the board know what we might be missing!

board@rocketcityrc.com



Continued from Page 3

Other events?

Apr Meeting Minutes

4/17/18

Called to order 1804
Adjourned 1847

Quorum was present.

Treasurer Report: Money market balance: \$10,516.22, Checking Balance: \$1387.01, PayPal Balance: \$1398.72.

No safety issues reported.

Mower Purchase/Lawn Care discussion. Membership wishes to investigate cost of paying a private business instead of purchasing a mower ourselves. Board will obtain estimates and report back to membership. RCRC lacks liability insurance in order to do the work ourselves. Suggestion was made to close the field completely while mowing is in progress to ensure there will not be any liability issues.

AMA rules for FPV flying were discussed. Board will verify latest FPV rules. FAA Reauthorization Act in congress for approval with the suggestion that the Special Rule for Recreational UAS be eliminated. AMA has provided all the information required to easily contact our representatives to let them know our opinion.

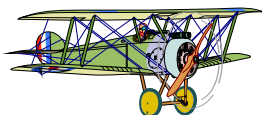
Board Meeting 5-1-18

Board Meeting 4/3/18

- AMA Rules for FPV verified. It was suggested that we come up with our own safety guidelines for the FPV racing area and submit that to AMA for acceptance.
- Mower discussion. Board still believes the purchase of a mower is in the best long-term interest of the club. By controlling our own maintenance, we can mow as many times as we wish without additional cost. Mower would pay for itself in 1 to 1.5 seasons and then the club will see a great expenditure decrease in subsequent years by only having the mower maintenance responsibility. Enough members have already volunteered for mowing duty to more than cover a season's-worth of mowing.

Board Meeting (cont.)

- Credentials obtained for the SWDA weather station. Bob will look at the possibility of integrating the live weather data feed to the RCRC website.
- Runway painting day is scheduled for May 15 (weather permitting).
- Clarify that the MultiGP regional qualifier will be noon Friday June 8 for setup through Sunday June 10. (Need a CD)
- It looks like MultiGP Drone Racing wants to hold the South East Regional Final at RCRC in June 29-30. This will be a large scale event with hundreds of participants and their friends and families as well as many spectators. More details should be available by the May club meeting. Information will be rendered to the membership for a vote to approve this event. (Need a CD)
- Club Day is May 19. Al is planning on Sloppy Joes.



.....

RCRC Officers

President: Bob Templeton
president@rocketcityrc.com
256-479-7378

Vice-President: Al Blair
vicepresident@rocketcityrc.com
269-277-0879

Treasurer: John Tubb
treasurer@rocketcityrc.com
401-450-9669

Secretary: Wade Sims
newsletter@rocketcityrc.com
205-310-4846

Newsletter Editor: Tom Durgin
newsletter@rocketcityrc.com
505-688-1369

Committee Chairs

Field/Facilities: Wade Sims
field@rocketcityrc.com
205-310-4846

Programs: Al Blair
269-277-0879

Publicity: Bob Templeton
256-479-7378

Safety: Al Blair
269-277-0879

Web Admin: Bob Templeton
256-479-7378

Flight Instructors

All Flight Instructors are by
appointment only:

John Pieczynski
256-651-6487

John Tubb
401-450-9669

Mike Duncan
256-509-8801