

June 2018



... an AMA Award of Excellence Club!



Newsletter

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

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P.O. Box 2163
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Vice-President's Message

If you have been to the flying field lately you would have noticed some improvements. I think you would agree it was worth it was worth the short time the field was closed. Thanks to Clint working for two days straight to get 60 yards of top soil moved to the drop offs on the side of the runway as well as filling low areas across the runway and in the Quad area. Sod was also purchased and put down. Some areas have been seeded. Striping on the runway, pit area and parking lot have been completed. Repairs to the sheet metal roof over one of the viewing areas was completed. I would like to thank the following people for their hard work, Al Blair, Clint Bestor and grandson Thomas, Mike Beaird, John Williams, Paul Webb, Gene Hornbuckle. This work was completed so we can show off our field in the up coming quad races we will be hosting on June 8th and 9th also June 30th and July 1st. I hope everyone will come out and support these exciting races. We can use some help with putting on these events.

It is everyone's responsibility to keep our flying field in great shape. If you see something you can fix or correct, fix it. If you notice trash or something that needs picked up, pick it up. If it is something you can't fix please report it to one of your board members. Its not fair for the same few volunteers to do all of the work. One Saturday soon we will designate it a work day, produce a list of items that need attention. Please keep an eye out for this notice. I hate to think we would have to raise dues to hire someone for repairs because we don't have volunteers to complete the work.

With it getting hotter every day, please stay hydrated. Remember water is the best liquid for this. If using the fans, when finished please return them to their stands. Hope everyone has a great and safe flying season.

Al Blair
Vice President – RCRC, inc



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What's With 3D Printers?

What can one of these do for me?

Credit to Model Aviation
<http://modelaviation.com/guide-to-3d-printing>

Were you at that club meeting months ago when our very own Wade Sims was showing off his 3D printed plane? Have you seen another printed plane?

3D printing sure has come a long way in a short period of time. Just a few years ago it was something you could see happen at a trade show, but not something most of us could afford.

Look your newer aircraft over closely and it is likely you can find one or more 3D printed parts. Everything from a happy pilot to fly your bird to wheels, braces and antenna holders. The variety of materials that can now be printed make the possibilities endless for use in our hobby.

3D printing has now become affordable and realistic for many of us. If you don't have a printer, chances are someone you fly with does. Like all the advances in our ever changing hobby,



there is a learning curve. I've seen what you fly, seen what you built, that learning curve is no problem for you.

Interested? Talk 3D printers at the airfield and read the full article for more info. Ω

Model Jet Engines

Credit RC Airplane World
<https://www.rc-airplane-world.com/model-jet-engine.html>

A true turbine RC model jet engine adds the ultimate touch of realism to a radio controlled jet. Turbine RC jet flying has become a big thing in recent years and there are some spectacular models around, large and small, but this aspect of the hobby is *not* for the novice!

In a centrifugal flow unit, air entering the turbine is thrown *outwards* as it passes over the spinning impeller, or compressor. The air hits against the inside of the can at great speed and so gets highly compressed as it passes into the combustion chamber. This intense compression increases the pressure and hence temperature of the air, making it more effective when it mixes with the fuel.

The kerosene based fuel, commonly called *Jet A1*, is introduced into the combustion chamber as a very fine mist and so mixes easily with the now highly compressed air. This fuel/air mixture is then ignited by a small glow plug.

As the fuel/air mixture ignites and explodes within the chamber, the coned shape of the chamber and the incoming flow of new air forces the mixture rearwards towards the turbine. The rapid outward flow of the fuel/air mixture spins the turbine which in turn spins the compressor at the front of the jet engine and so on repeating the cycle.

FAA Reauthorization Act – Preserving Section 336
Credit AMA Government Relations Blog

The House has passed its version of 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.

The AMA team has attended several meetings with legislators on protecting the Special Rule for Model Aircraft as the Senate prepares its own version of the FAA reauthorization bill. In addition, we met with stakeholders in the manned and unmanned aircraft communities to gather support for our hobby. Moving forward, we will continue to work with Congress on a long-term reauthorization bill that will strengthen the Special Rule for Model Aircraft and affirm the role of community-based organizations in managing the model aircraft community.

For further info and ways you can help preserve our hobby, check out <http://amablog.modelaircraft.org/amagov/>



Events Coming In 2018

Tuesday 19 Jun, 6pm
Next Club Meeting

30 Jun & 1 Jul
Main Airfield
MultiGP Regional Final
Event in conjunction with Space & Rocket Center, more info coming soon.

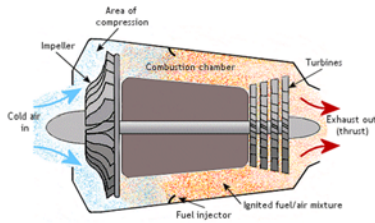
7 Jul
Airfield & Clubhouse
Swap Meet
Tentative date, coordinating with other area clubs to avoid conflicted dates.

11 Aug
Main Airfield
National Model Aviation Day
More info coming soon.

8 & 9 Sep
Main Airfield
Pattern Competition
More info coming soon.

Other Events?

Continued on Page 4



RC Flight Sims

A much-asked question! The truth is, RC flight simulators can give you a very realistic radio control flight training experience, all from the comfort of your own home!

Now with fast processors and realistic graphics, modern RC flight simulators have become hugely popular.

They have helped countless novice RC pilots learn the basics and experts rehearse their aerobatic and 3D routines to a faultless performance.

<https://www.rc-airplane-world.com/rc-flight-simulators.html>

Ω

The gases (exhaust) finally get squeezed through the narrowing jet pipe at the very rear of the engine, exiting at great speed and pressure thus generating the high levels of thrust associated with jet turbines.

Interesting? Oh yes, it sure is!

To read more on this, check the full RC Airplane World article. Ω

Call to members for newsletter content.

Send your content to:

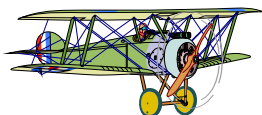
newsletter@rocketcityrc.com Ω



Field Improvement?

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

board@rocketcityrc.com



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Other events?

May Meeting Minutes

5-22-18

Board Members - Wade, Bob, John, Tom, Al

Members - 14

Old Business

Treasure Report - Passed

Safety - Passed

Meeting minutes - Passes

Runway Painting

Avion not painting but promises reimbursement.

New business

Multigp

Weekend of june 30th

Atlanta

Qualifier

June 9th - Primary Weekend

Will have field reserved entire weekend

Board Meeting 5-1-18

6-5-18

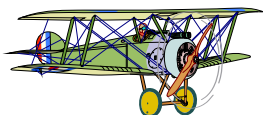
MultiGP Qualifier planning

Painting of runway on schedule

Signage for field

Lawn service found 200-225 per cut

Board Meeting (cont.)



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