

April 2018



... an **AMA Award of Excellence Club!**

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P.O. Box 2163
Huntsville, AL 35804



Newsletter

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

President's Message

Spring is here and along with it Daylight Saving Time. Hopefully this means more available flying time for us! I hope to see everyone's winter projects flying soon.

The club is growing! We have more registered pilots now than we've had in the last several years. New interests are also coming to RCRC. The quad racing community continues to grow by leaps and bounds and has more than doubled in the last year. We've also got some new fix wing interests in turbines. Some existing members have already made the jump into this awesome power source. I would like to welcome new member Jeff Tolomeo who has relocated here from California. Jeff is a fully authorized and waived turbine pilot with the AMA. He is also a CD with some great ideas for continued growth into this new area for many of us. He has offered to be the club's turbine instructor and support. He is fully capable of advising and working with you to obtain turbine certification with AMA and is able to sign-off on new turbine waivers.

Per field regulations, please remember to sign-in at the log book and place your flying permit/membership card on the frequency board. More clothespins will be placed on the board to help you remember to retrieve your card before you leave. This is a very important step to policing paid membership in the club. Please don't be offended if someone is helping you remember our procedures and please don't hesitate to help others remember as well.

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



RC Camp

How do we get young blood to join us?

Credit to Model Aviation

<http://modelaviation.com/club-holds-rc-camp>

I have told myself over the years that when the time was right, and if the opportunity presented itself, I would make every effort to help introduce kids to the RC hobby! Now, some 30 years later, that's exactly what we are doing here at the Rend Lake RC Club!.

During a meeting with Rend Lake College, the topic of how the college does summer camps for kids every year came up and we asked if we could make an RC camp happen. Just like that, the opportunity presented itself!


With it settled that the club would do a camp, the real work began. Lots of reading on AMA's website led to calling AMA District VI VP Randy Cameron. An AMA Take off and Grow (TAG) grant

was written for two planes and two buddy-box setups for RC Kid's Camp.

A 4 day camp was the result including: building a Sparrow glider, control surface discussions, a balsa Sky Streak rubber band-powered plane, RC lessons, both line of sight by plane and FPV by quad.



Is this something RCRC has enough volunteers to make happen, grow our hobby and support Huntsville children?

Read the article for more info. 

The First Days of Radio Control

Our hobby, way back in the beginning.

Full article here.

<http://www.modelairplanenews.com/the-first-days-of-rc/>

The very first example of radio control was demonstrated in New Your City in 1898. Its inventor – Nikola Tesla – was a 43 year old immigrant who was duly awarded US Patent no. 613,809. By the middle of the 1930s, miniature airplanes were just

beginning to be powered by very small gasoline engines. An R/C contest event was even scheduled for the 1936 model aircraft Nationals in Detroit.

Several men who were active in amateur radio became interested in the possibility of controlling model planes by radio. Two of them were Ross Hull and Clinton DeSoto. They successfully built and flew several large R/C gliders in the first public demonstration of controlled flights. Their sailplanes made more than 100 flights.

The 1937 Nationals R/C event attracted 6 entrants. Chester Lanzo won with the lightest (6lbs) and simplest model plane, although his flight was a bit erratic and lasted only several minutes. Only 2 of the other 5 were even able to make a flight and they didn't last but a few seconds.

The radio and control mechanisms of Walter & William Good consisted of one tube and a minimum of electrical components. Their relay was so sensitive that it could be activated by a

Graphene Hobby Lipos? Fact or Fiction?

Credit Fred Herrmann

As mentioned last month, Fred received his degree in chemistry back in the 1970's and it has been awhile since he has done any real chemistry, but after a recent bad lipo experience Fred did some research we can all benefit from. Here is what he says about graphene batteries:

From what I've read graphene has been researched for over 60 years and is still in its early research phase of life. In my humble opinion the only place you are going to find graphene in that new shiny premium graphene lipo will be on the label!

I seriously doubt claims that state hobby grade lipos contain graphene. If and when practical graphene products actually appear it's most likely to be in small semiconductors or high end products produced by Apple or Tesla, not hobby grade lipos.

Some links to references used:

https://energyenvironment.pnnl.gov/eere/vb/pdf/li_dendrite_suppression_for_li_ion_batteries.pdf

<https://www.sciencedirect.com/science/article/pii/S0013468600007064>

<https://www.nature.com/articles/nmat3793>

<http://newscenter.lbl.gov/2013/12/17/roots-of-the-lithium-battery/>





Walt and Bill Good and their R/C model—the Gull (circa 1939).

current change of ½ milliamp. In the 1939 Nationals, their efforts scored 89 points; 2nd place only scored 11. They won again in 1940 and yet again after WW II in 1947.

To read more on this, check the full Model Airplane News article. Ω

Call to members for newsletter content.

Send your content to:

newsletter@rocketcityrc.com Ω



Radio Programming Basics

Today's model fliers have many choices for radio equipment. Most multi-model capable, allowing a single transmitter to control multiple aircraft by creating a program profile of each specific model, and then saving it to the radio's memory.

This article will try to help modelers understand features available in most RC transmitters today. Knowing how the features affect the model's flying characteristics can transform a hard-to-fly model into an easy flying, enjoyable aircraft. Check out the full article at:

<http://amaflightschool.org/getstarted/radio-programming-basics> Ω

Events Coming In 2018

Tuesday 17 Apr, 6pm
Next Club Meeting

5 May
US Space & Rocket Center
International Drone Day

Need to set up a booth, more discussion needed.

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.

Continued on Page 4



Runway Painting

Have we got it covered? Let the board know what we might be missing!
board@rocketcityrc.com



*Continued from Page 3***8 & 9 Sep****Main Airfield****Pattern Competition**

More info coming soon.

Other events?

March Meeting Minutes

3/20/18

Call to order 6:05 pm

- New member welcome. (Jeff Tolomo) Jeff flies primarily turbine aircraft. He has full AMA authorizations and waivers to do so and is also an AMA CD. He has offered to help anyone with interest in getting into turbines and can evaluate and sign-off on new AMA turbine waivers. One of his jets even got RCRC some exposure on the Rick & Bubba radio show.
- Treasurer was not present. No report.
- No safety issues reported. Noted that the anchor holes in the asphalt directly in front of the pits are greatly appreciated. Turbine safety discussed. All AMA regulations and procedures in relation will be obeyed. An additional fire extinguisher will be purchased for the recovery cart.
- Al Blair will coordinate runway painting efforts (potential equipment rental, supplies needed communication with Avion, etc.).
- A member proposed we look at the club purchasing a mower and take turns mowing. Most of those present supported the idea. The board will investigate costs and options and report back at the next club meeting.
- Grass seed or sod will be purchased for the lasting dirt area around the runway. Bob will investigate costs and options and report back at the next club meeting.

Meeting Adjourned 6:41

In lieu of a treasures report at the meeting, March balances:

Checking: \$1533.03

Money Market: \$10514.88

Paypal: \$773.85

Income: \$734.66

Expenses: \$716.10

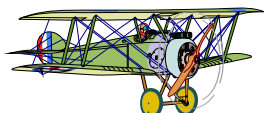
Board Meeting 4-3-18

Board Meeting 4/3/18

- AMA Charter Completed
- March Treasury numbers for newsletter
- Mower: \$3500 max in board's opinion. Initial research yielded the following potentials
 - o Toro SS5000
 - o Ariens IKON X 52
- Events added to web site

Board Meeting (cont.)

- SWDA has a weather station that we can use. Formal meetings to obtain permission will take place week of April 9-13. A smaller standalone station will be purchased for the pit shed to replace the previous unit.
- SWDA expressed in having aerial photos/videos taken of their work areas to help them measure progress and progression of the landfill.
- Bob was contacted by Avion about getting the runway painting completed. They are planning a group of company employees to come out and accomplish this task in the short term.



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With discussion about signing-in on the log book and placing pilot permits on the frequency board, it has become clear that the number one complaint about placing permits on the board is that the cards are often forgotten when the permit holder leaves the field. We have placed new bright green clothespins on the frequency board blank spots. Please use these pins to remind you that your card is on the board before you leave. Place your card and then remove the pin and affix it to something you will encounter before you leave such as your radio, field box, car steering wheel...whatever will help you remember to grab your card before you leave.

We're always open to suggestions, so if you have an idea that will help with membership compliancy, please see a board member at the field or send us an email at board@rocketcityrc.com.



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

FOR SALE
PETER WICK RADIO CONTROL COLLECTION
REDUCED PRICE REVISION

R2 February 10, 2018

R1 December 9, 2017

November 19, 2017

- The below listed items are offered in an “as-is” condition. **Pricing on many items have been reduced 25%.**
- The items may be seen/bought at Jim Fowler’s residence at 9627 Waldrop Dr., SE, Huntsville, on Monday, Tuesday, Friday or Saturday afternoons. Please call ahead for information and/or for confirmation. The telephone number is 256-882-1784.
- The proceeds will go to Peter’s education fund for grandchildren.

T-1 A Carl Goldberg 67” YAK 54 airplane completely assembled with 6 Futaba digital servos; a Futaba R607FS, 7 channel receiver, (2.4 GHz); an OS FS 120, 4 stroke engine with pump, spinner and prop. This aircraft has been flown very little if at all and is in good condition. **\$445.**

T-2 A Funtana X100 airplane completely assembled with 6 Futaba digital servos; a Futaba R617FS, 7 channel receiver, (2.4 GHz); an OS FS120, 4 stroke engine with pump, spinner and prop. This aircraft has been flown often but is in fair to good condition. **\$225.**

T-3 Taurus airplane completely assembled with 70” wingspan; 5 Futaba servos; Futaba R168DS 8 channel receiver (72MHz); OS FS 70, 4 stroke engine; flown little if at all. **\$210.**

T-4 CMPPro T-34 Mentor ARF airplane, 58” wingspan; new-in-box unassembled. **\$110.**

T-5 F8F Bear Cat “Rare Bear” profile foamy airplane; new-in-box unassembled. **\$25.**

T-6 Sold

T-7 XRB SR “Sky Robo” HIRobo helicopter, with transmitter and lithium battery charger in original box. Lithium battery not included; Transmitter uses 8 ea. AA batteries. Heli. has some damage. **\$25.**

T-8 ART-TECH RE Hobby Typhoon helicopter, 24.9 rotor diameter, with E-Fly ETC 61-2.4 GHz transmitter. Needs 7.4 or 11.1 V li-po battery and charger. **\$50.**

T-9 UDI R/C U817A Quad Copter, 4 channel, 2.4GHz, with transmitter, battery, and charger in carrying box. **\$25.**

T-10 Futaba 9C Super Series digital proportional transmitter, model T9 CAP ,with a Futaba FASST 2.4GHz TM-7 RF module; includes battery charger and transmitter in metal carrying case. **\$210.**

T-11 Spektrum DX6 park flyer system transmitter, 2.4 GHz, 6 channel, 10 model memory, Heli/Air, with battery charger. **\$50.**

- T-12 ARISTO-CRAFT Hitec Challenger 550 transmitter with 72MHz FM HP M72F, RF module and HP-5RM 72 F, 5 channel receiver. **\$25.**
- T-13 Electrify Triton EQ battery charger in case. AC/DC inputs with lithium balancing circuit. Can charge, discharge, and cycle multiple battery types. **\$50.**
- T-14 Hobbico Accu-cycle charger, conditioner, analyzer for NiCad and NiMH batteries, Rx and Tx. **\$35.**
- T-15 Hobbico charger, same as item T-14, but w/o charging leads. **\$25.**
- T-16 O.S. Engines Max 120 AX, 2 stroke engine with muffler, new-in-box. **\$190.**
- T-17 O.S. Engines Max 46 AX, 2 stroke engine with muffler. This is the older model of the 46. **\$50.**
- T-18 Super Tigre G90 2 stroke engine with muffler and some spare parts. **\$50.**
- T-19 PRO 40, 2 stroke engine with muffler. **\$25.**
- T-20 K & B 61, 2 stroke engine w/o muffler and glow plug. **\$25.**
- T-21 ROSSI 60, 2 stroke engine w/o muffler. **\$25.**
- T-22 ENYA 60, 2 stroke engine w/o muffler. **\$25.**
- T-23 Varicom Industries Magnum High Torque model engine starter. **\$25.**
- T-24 SIG Manufacturing Co. KOMET airplane kit in box; 67" wingspan, for .45 to .60 engines; kit materials include balsa, plywood, molded plastic and foam. **\$25.**
- T-25 thru T-33 - **Sold.**