July 2018

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

RCRC Newsletter

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

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Inside this Issue

P.O. Box 2163
Huntsville, AL 35804

President's Message

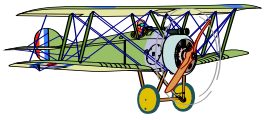
The MultiGP Drone Racing Final was a great success! In addition to earning the club some money, we received some great recognition and exposure. Some great relationships were forged during this event. It was a fast-paced event that did not fail to disappoint on the excitement front. Thank you to all of the RCRC members that went above and beyond to help host this huge event. We couldn't have done it without you. Tim Finnegan, Tom Durgin, Luis Padilla, Vincent Lewis, Don Peck, John Pieczynski, Wade Sims, and as always, Al Blair! My sincere apologies if I omitted anyone from this noteworthy list as I appreciate your service and help to our club! Al more than carries his share of responsibilities and a special thank you goes out to him for his continued leadership and contributions.

RCRC needs your help! We are in immediate need for a club secretary, newsletter editor, and field manager. We also need to find a new treasurer for 2019. Wade Sims has served well as our secretary and field manager, but with a great new job and another little one on the way, his time has become limited. Tom Durgin has brought new life to the newsletter with the great ideas and content he has contributed. Tom is relocating to Arizona to begin a new job. Even though the club will miss them, congratulations go to Wade and Tom for the positive changes in their life. John Tubb has served as treasurer the entire time I've been president and he has been a great help to the club as well as me. John will complete his current term as treasurer.

Please contact myself or Al Blair regarding these positions. All of these positions are absolutely crucial to maintaining the smooth operation of RCRC, Inc. and must be filled to continue our progress and growth.

Fly well, fly safe!

Bob Templeton
President – RCRC, Inc.



What the Heck Kind of Glue?

What do I use for what?

Credit to Model Aviation
http://modelaviation.com/choosing-right-glue

So much has changed in the past several years in our hobby including the materials we use to build and repair our aircraft. Remember last month's newsletter where we talked about 3D printed aircraft? What adhesives are best for what?

Two types of glue you must be familiar with are CA glue and hot glue. CA is probably the most popular coming in small bottles, quick drying time and it works on nearly everything. If you attended the big MultiGP race, you saw a whole lot of hot glue in the air, something no quad flyer goes without.

There are so many more types of glue such as: PVA, Canopy Glue, Goop, Cellulose, Contact Cement, Epoxy and others.

Next time we are at the field talking repairs, be sure to share and ask about what type of glue is best for the job at hand. I'll tell you right now, I learn so much from your experience. We are all lucky to share each other's experiences.

Glue type	Common names	Common application	Drawbacks	Advantages
Canopy glue	Pacer Formula 560	Attaching plastic detail parts	Overnight drying time	Water soluble; dries clear and flexible to finished models
Cellulose glue	Ambroid, Duco Cement	Wooden airframe assembly	Flammable when wet because of acetone	Lightweight and easily sanded
Contact cement	GWS Glue, UHU por	Applying wood sheeting to foam wings	Requires a two-step process	Bonds are typically instant and permanent
Cyanoacrylate	CA, Super Glue, Zap, Hot Stuff, Jet Glues	Nearly everything	Can be an irritant; joints are brittle	Fast cure time
Epoxy	2-Poxy, two-part epoxy, 5-minute epoxy, finishing resin	Bonding high-stress joints; applying fiberglass cloth	Heavy; requires precise mixing	Robust
Goop	Amazing Goop, Shoe Goo	Joining vibration-prone components	Strong odor; somewhat heavy	Strong, flexible joints
Hot glue	Hot glue, low-temperature hot glue	Sheet-foam models	Brittle in cold weather	Allows for fast building
Polyurethane glue	Gorilla Glue, Elmer's Pro-Bond	Crash repairs	Typically has a short shelf life	Expands to fill gaps
PVA glue	White glue, Elmer's Glue, carpenter's glue, aliphatic glue	Wooden airframe assembly	Slow drying; other glues do not stick well to cured PVA	Non-toxic; strong bonds
Water-based polyurethane	Minwax Polycrylic, Rust-Oleum Varathane	Applying fiberglass cloth	Finish is prone to dings and hangar rash	Lightweight; inexpensive; easy to apply

Want to know more? Find out what the rest of us are using for repairs and read the full article for more info. Ω

Basic RC Airplane Aerobatics

https://www.rc-airplane-world.com/basic-rc-airplane-aerobatics.html

You are over the hump now, you've figured out how to fly your plane, helicopter, quad or other RC model. You can take off, fly around and land safely, feels good doesn't it? Now what? You can't just keep flying around in circles, there has to be more to this. We've all seen the more experienced pilots pulling off the fancy tricks, but how to learn those?

Some simple maneuvers are a great place to start building your aerobatic skills. The inside loop, outside loop, the roll and the stall turn are good places to get started.

A few tips from the article:

1. When performing RC aerobatics of any kind, you need to fly in a very responsible way especially if you're flying in a public place and there are other people around.
2. Altitude is very important with most maneuvers; always give yourself as much space as possible between your airplane and the ground. "Fly two mistakes high" is an old saying in the RC flying hobby, and one worth remembering!
3. The type of plane will play a large part in how easily you can fly most aerobatic maneuvers. If your only plane at the moment is an ultra-stable high wing trainer then you will struggle to fly many maneuvers well, especially if your plane has only rudder and no ailerons.

RC Aerial Photos

Credit AMA Flight School
http://amaflightschool.org/getstarted/how-take-aerial-photographs-using-model-aircraft

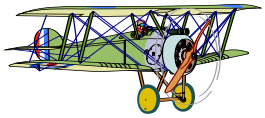
Today with so many great advances to our electronics, cameras and the market flooded with camera drones and RC aircraft, it must be easy to shoot beautiful footage. Not so fast, you need to think this through.

When you shoot aerial photography, you must be able to safely and effectively fly. Many people today fly with the assistance of a GPS. Flight systems are becoming more complex to help pilots, but there is no substitute for the fundamentals of flying. Don't let your flight computer or other automation become a crutch. If you are not comfortable flying, get a simulator and acquire a practice machine.

If you want to shoot good aerial photography, when it comes to equipment you get what you pay for. Quality equipment comes with increased reliability and safety.

If you invest in quality equipment, flying FPV can be fun, but it's not 100% reliable. In the event of a signal loss, you could be in trouble. Always fly line of sight and only use your downlink as a reference. Accidents can happen and you don't want to end up on the news, so never fly over people. The truth is, no matter how great of a pilot you are or how good your equipment is, things go wrong. Don't fly over people and you won't crash into them.

Stability is everything, this is especially



true if you are shooting video. In the radio control aerial photography industry, many companies are introducing new camera-stability technology that makes things easier. The DJI Zenmuse product is seamlessness. Made for specific cameras and simplifies converting the video out signal for real-time monitoring from your ground station. For more, check the full article. **Ω**

Call to members for newsletter content.

Send your content to:

newsletter@rocketcityrc.com Ω

RC Failsafe

What's the real purpose for setting up your RC failsafe? You could save an aircraft with the right selections, maybe set it to return to home. More importantly, you set your failsafe to protect people and property in the area you fly, safety first.

Likely what we all have in common with our failsafe settings is the engine kill selection. A GPS and advanced flight controller can allow you a very accurate return to home failsafe.

Do your research and make sure your failsafe accomplishes its mission.

Google RC model failsafe for options and more information. **Ω**

Field Improvement?

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

Events Coming In 2018

Tuesday 17 Jul, 6pm
Next Club Meeting

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

Continued from Page 3

Other events?

June Meeting Minutes

19 Jun 2018

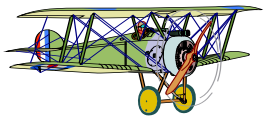
Minutes:

- There was not a board quorum, only 2 members present.
- Motion passed for newsletter, finance report, and safety issues.
- No old businesses.
- New business: discussion on Quad Finals coming up. Unanimous vote to allocate $5000.00 advance to Multi-GP for rentals, based on us getting reimbursed by Multi-GP.
- Meeting adjourned.

Board Meeting 7-July

- Only two board members available therefore no quorum.
- Receipts and Finances from MultiGP Finals event discussed.

Board Meeting (cont.)



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

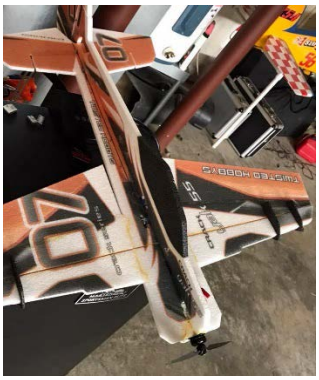
All Flight Instructors are by appointment only:

John Pieczynski
256-651-6487

John Tubb
401-450-9669

Mike Duncan
256-509-8801

Aircraft for sale from Mark Leo and his father: 205-910-7681



Crack Yak, battery, servos,
receiver, ESC, and motor.
$75.00

Fun fly type plane.
Very maneuverable.5 servos, receiver,
OS 32 with tuned pipe, ready to go
$150.00

Spirit 100 , electric with flaps, 6 servos,
battery, ESC , motor and receiver.
$150.00

Butterfly, 99” 2 piece wing,
servos, OS 15 motor
$150.00

Extra 260 , 30cc gas motor,
6 146oz servos, carbon fiber wing tube,
and wing bag. Ready to take flying
$550.00

Yak 54
50cc Gas Motor, All Digital Servos,
Optical Cut Off, Carbon Fiber Wing Tube,
Wing Bag and extra props
$700.00

Gentle Lady Glider
$40.00

Saber
Profile fun fly
480P electric motor
3 cell lipo battery
All servos and receiver
Ready to fly

$75.00

Twister
Scratch built
46 size electric motor
5 cell lipo battery
All servos and receiver
Ready to fly
$200.00

Eflite Advance 25
32 size electric motor
4 cell lipo battery
All servos and receiver
Ready to fly
$150.00

Sport Plane
Scratch built using a Stinger 120 wing
DLE35 RE rear exhaust engine
All servos tank batteries and receiver
Ready to fly

$600.00

Tweety Forty

32 size electric motor
4 cell lipo
Servos and receiver
Ready to fly
$150.00

Scratch built Senorita
All servos 4 cell lipo battery ESC 46 size electric motor
Has flaps and ailerons
Ready to fly
$250.00

Gold wing Edge 540
No servos or receiver
No fuel tank
DLE 30 almost new, but not installed (in a plastic bag)
Has been flown, but in very good condition
$400.00

Yellow Bird
Scratch built from Four Star 120 wing Plans
DLE 30, all servos batteries fuel tank and receiver
Ready to fly
$600.00

Great Planes Citabria
DLE 35RE Rear Exhaust
Flaps Digital servos
Wheel pants not used but included
Ready to fly
$600.00

Pilot trainer 90
Dle30 Gasoline engine with 20X6 wood prop
Has flaps
Seven digital servos
Optical cut off system
14 Chanel receiver
Ready to fly
$550.00