

Larry Lewis

## PRESIDENT'S PROP-WASH

While sitting here writing this piece for the monthly newsletter, one song keeps coming to mind. "The Heat Is On" Where in the world did spring time go? I think we'd all agree it was way too short this year. Record highs seem to be the norm these last few weeks, and activity at RDRC is much lower than usual. And I can't blame anyone! Sometimes it's just too hard to enjoy this hobby as much as we'd like when the temps are above the 100 degree mark. It's not so easy to fly with sweat running through your eyes! But still, many members have braved the heat. Jacqui and I have attended a few fly ins lately to include KY Jets. The event was held over the 4th of July week with over 150 pilots attending. What a cool event! As many of you know, I was able to finish my new Cougar jusssssst in time to load it up and head west. Test flights went great, and I really love the airplane. I did however make one big oops when I forgot to switch to a higher elevator rate for landing. The end result was a nice bounce on the runway damaging my front landing gear a bit, as well as cracking up some internal wood mounts for the main gear. As it turns out, all of it will be an easy repair and I should have it ready for more flights very soon. Like North Carolina, KY was VERY HOT! Everywhere you looked you saw electric fans and coolers full of water, Gatorade, and.....um.....after hour refreshments!

Jacqui and I stopped off and picked up Goetz Vogelsang on our way, and all of us had a great time there. As always, it was great to see new friends, as well as old, and the jets that were present was nothing short of awesome! One in particular that really stood out was a huge SR-71 powered by twin turbines. Word was, it took the builder 11 years to complete! Not only did this model look great on the ground, but it flew really well. This model along with an F105 Thunder Chief stole the show over the 9 day event. This jet meet has earned the rank of THEE east coast jet event due to its size and number of pilots that are there. Several of the Rocky Mount gang was there earlier in the week, and reported getting several flights in before leaving on Tuesday. Over all, it was a great event.

Now, speaking of GREAT EVENTS! Yes...it's that time already folks. **Fly for Tots 2011** is just around the corner and we have a lot to get done in a short period of time! Several folks have contacted me over the last couple of days and again volunteered themselves for many of the needed task, but we still have a few things we're short on. Most important, we need cooks and food servers for this year's event. As of right now, we have nobody to man the grills and just a few people to work concessions. This is a very important deal with FFT, and one of our biggest items that turns dollars for the cause.

In years past Matt Houghton has graciously worked the grills for us turning out some of the best burgers and dogs you could ask for. Unfortunately, he will not be able to do that for us now and we desperately need someone else to fill his shoes. Nothing fancy here, just need someone to flip burgers and hot dogs. Typically, we have at least two grills going to keep up with the crowds. If you think you could help out with this much needed task, please let Jacqui or myself know. If possible, we'd like to have four or more people doing this so they could switch out periodically giving each person time to fly or watch the show. Also, we are looking for folks willing to work the parking lot. Last year Dave Langridge was able to get several of the NCSU students to do this for us, and he is working on that again for the 2011 event. But just in case, we need others to be on stand by. History has shown this job needs to be done by adults. We tried a group of Cub Scouts two years ago, but it just didn't work out. Hey, if I was a young scout at an R/C fly in, I'd have my eyes to the sky all day to! ;)

Of course, there are many, many things we need to get done, but it would take way too much time in here to list them all. But we will be talking about those items at this month's monthly club meeting. And that meeting is **THIS WEDNESDAY!** I know many of us get very busy this time of year and it's not always easy to make the summer month meetings, but this one is a biggie. And just so you all know. The A/C works reeeeeeeally good at the Pullen House! ;) So why sit around the house trying to avoid your wife waving that "Honey Do" list, when you could be sitting around with all your close flying buddies in the A/C talking about model airplanes? Sounds like a No Brainer to me! Lol

So please try to make this month's meeting. Lots to do and lots to organize. And we need **YOU!**

Larry



**Children's Charity Fly-In**

# Safety Officers Report



*Mark Lofgren*

**SAFETY FIRST...**The only safety concerns that need attention are the ongoing disregard for the requirement that all hucking, hovering, and zoom and booming be done on the east side of the paved runway, not in front of the flight stations, and no flying is to occur over or in back of the flightline. The flightline extends not just where the flight stations are but extend all the way to the tree lines to the north and south. The plane of that line is not to be intentionally and repeatedly broken. Soaring planes must follow the same rule and not fly behind the pits over our neighbors' houses. Please respect these rules for the safety of flyers, spectators, and neighbors.



## **Getting acquainted with electrics.**

**By Bob Richards.**

As many of you know, I am big into electric models. But, as many of you have heard me say, if someone had told me 10 years ago that I would be flying nothing but electrics and LOVING IT, I would have probably slapped them. I may have even said back then that electrics will never replace glow power.

Electrics back then were either underpowered or had very short duration motor runs. The technology has improved drastically up to the point that performance is equal to or better than glow power, especially with the smaller models. When was the last time anyone has seen an .049 or even a .15 engine? Electrics in those sizes just make so much more sense. And electrics have opened up an entirely new venue – indoor RC flight.

The problem, for me, was getting started with electrics. Motors with different windings and kV ratings (what the heck is THAT), Lipo batteries with different C ratings and cell numbers, programmable speed controllers, multiple chemistry chargers – oh boy, what a learning curve!

My first electric was a Slow Stick with a brushed motor. I quickly learned (the hard way) that it was rated for 2 cells only. Ok, what kind of charger do I need? What is low-voltage cutoff? What size prop do I use? Some (but not all) of my questions were answered by the LHS. I gradually started reading and asking questions of other electric flyers. I figured out that the best place to start was with a known setup. Buy an airplane intended for electric power and use the recommended motor, esc, and battery. Find out what others are using, especially for chargers, and go that route – it will then be easy to get help if needed. It wasn't long before I started to figure this stuff out. I could determine compatible motor replacements, I could match an ESC to a given motor and plane, and I could determine the right prop size given the motor, esc, and battery cell count.

I thought I would start writing articles for the newsletter and start passing on what I have learned. Hopefully this article will be the first in a series that will help explain electrics and hopefully inject a little humor along the way.

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The biggest fear I had getting started was that I would buy the wrong thing and end up letting all the magic smoke out of something. (“Magic Smoke”. Once it escapes, the magic is gone and the device no longer works). What battery, what speed controller, what motor, what charger??? Well, start with a known setup that works. This includes the WHOLE package, including motor, speed controller, battery and ESPECIALLY the propeller. Unless you have purchased optional items like a “Watts Up” or a current probe, this is the best way to get started. Don't experiment with different props unless you have a way to measure the current. Smaller props are ok, larger ones may not be. I can't remember the number of times I have witnessed something smoke and the owner had no idea how much current was drawn at full throttle. Stick with a known/proven setup and this will not be a problem.

There are some sizes that have become almost a standard and therefore will be the least expensive and most rewarding. One battery size that is very popular is the ~2200 mah 3 cell. These can be purchased now for less than \$20. Just a couple of years ago this size battery was over \$50. This size battery is so popular that there are many planes designed to use that size. One that comes to mind is the Parkzone T28 which has been a very popular plane. There are also several 3D aerobatic designs in that size from 3D Hobby Shop, Extreme Flight, etc. The nice thing about the Parkzone models are that they come with a motor, speed controller, servos etc already installed. Just bind to your transmitter (bind-n-fly version) or install your own receiver (plug-n-play version). In just a few minutes you will be flying.

Chargers: Wow, there are so many. The ones that I have now are not the latest or greatest, but still work well for me. Most have either been updated, improved, or there are newer ones that have more features or are lower cost. Next month I will go more in depth on chargers.

Bob R.



# Notices - Upcoming Events

## July NC

7/30/2011 -- Monroe, NC (C) 2ND ANNUAL HELICOPTER FLY IN. Site: Club Field. W Scott Gantt CD PH: 704-544-9571 Email: [sgantt@benefitcontrolsnc.com](mailto:sgantt@benefitcontrolsnc.com). Visit: [www.charlotteaeromodelers.org](http://www.charlotteaeromodelers.org). All sizes and types of helicopters welcome. \$10 landing fee, **AMA required**. Hamburgers/hotdogs served at 12:00. Camping available Friday and Saturday nights, no hook ups. Prizes, raffles, contests. Directions to field on website. Sponsor: CHARLOTTE AEROMODELERS INC

## August NC

8/6/2011 -- Hickory, NC (C) BOB WILSON 13TH ANNUAL MEMORIAL FLY IN. Site: Club Field. Ernest Masche CD PH: 828-310-8823 Email: [ifly\\_rc@embarqmail.com](mailto:ifly_rc@embarqmail.com). Visit: [www.wham-rc.org](http://www.wham-rc.org). 1000' paved and grass runways. Primitive camping, lots of parking. Breakfast and lunch by Drowning Creek Fire Dept. \$7 landing fee, 50/50 drawing and pilots prizes. All types and size of aircraft welcome. Great fun and fellowship. Sponsor: WEST HICKORY AERO MODELERS

8/20/2011 -- Greenville, NC (C) 2ND ANNUAL CUB FLY IN. Site: Club Field. Frankie Coburn CD PH: 252-714-2679 Email: [ramhorn@suddenlink.net](mailto:ramhorn@suddenlink.net). Visit: [www.ncspacecowboys.com](http://www.ncspacecowboys.com). "Any" type of cub can fly, any color, military, civilian or sport. Gas, glow, electric, "please" 2.4 only during the fly in. Food and drink will be served at the field. Vendors are welcome. Take bypass around Greenville and follow the signs. Come and have a great time. Registration starts at 8AM, fly at 9AM. Sponsor: NORTH CAROLINA SPACE COWBOYS

8/25/2011 - 8/28/2011 -- East Bend, NC (C) 10TH RANDY COVINGTON ALL ELECTRIC FLIGHT FESTIVAL. Site: Club Field. Mark Covington CD PH: 336-983-9126 Email: [covingtonrandy@gmail.com](mailto:covingtonrandy@gmail.com). Visit: [www.riversideaeromodelerssociety.com](http://www.riversideaeromodelerssociety.com). 4 day event, open flying, LMR Sat night flying, steaks Fri. **E-mail Tony Simmons for steak by 08/16/11 at [sonyt@aol.com](mailto:sonyt@aol.com)**. Landing fee \$20 all week, \$10 per day. Air field will be open all week Monday through Sunday. Sponsor: RIVERSIDE AERO MODELERS SOCIETY

8/27/2011 -- Jacksonville, NC (C) NEW RIVER AEROMODELERS FLY IN. Site: Stenhouse Field. Carl Zavalney CD PH: 252-497-1680 Large open field, bring your big birds, all planes and helicopters welcome. Plenty of door prizes for registered pilots. Landing fee \$10.00. Contact Henry Ocosta at [hocosta@earthlink.net](mailto:hocosta@earthlink.net) for more info. Sponsor: NEW RIVER MODELERS ASSOCIATION



# Notices - Upcoming Events

## September NC

9/3/2011 -- Rocky Mount, NC (C) FALL AMA FLY IN. Site: Town Creek Field. A Gentry CD PH: 252-343-3961 Email: [wn4z462@centurylink.net](mailto:wn4z462@centurylink.net). Visit: [www.tarheelrcflyers.org](http://www.tarheelrcflyers.org). Landing fee \$10. Sponsor: TARHEEL R/C FLYERS

9/9/2011 - 9/10/2011 -- Statesville, NC (C) SMF ELECTRIC FLY IN FOR CHARITY. Site: Club Field. Billy Haynes CD PH: 704-640-7274 Email: [centralnchunter@windstream.net](mailto:centralnchunter@windstream.net). Visit: [www.statesvillemodelflyers.org](http://www.statesvillemodelflyers.org). Open to all electric powered models. Proceeds going to charity. Landing fee - donation of any amount to charity. Night flying Friday, RV welcome, no hook ups. Over-size trailers and RV contact CD for alternate entry. Starts 3PM Friday. Sponsor: STATESVILLE FLIERS RC CLUB INC

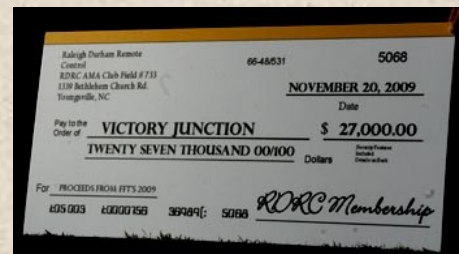
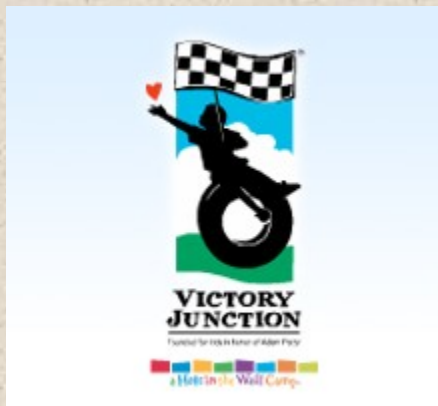
9/10/2011 -- Gaston, NC (C) ROTOR HEAD RALLY. Site: Club Field. Alan Arthur CD PH: 252-578-6903 Email: [compositesmoke@live.com](mailto:compositesmoke@live.com). This all heli event will be held at the 95th Squadron's flying field for any size, type RC heli. Food will be offered at lunch. There will be a \$10 landing fee. Sponsor: 95TH SQUADRON

9/10/2011 -- High Point, NC (C) CCRC FALL PYLON RACES. Site: Club Field. John Marsh CD PH: 336-869-4844 Email: [jamfam@triad.rr.com](mailto:jamfam@triad.rr.com). Visit: [www.cccrcm.com](http://www.cccrcm.com). Quickie 25 and Club 40 pylon race. 1/4 mile, 2 pylon course from 700x70' grass runway on AMA gold leader club field with full concessions. \$10 landing fee per event. Register at 9AM and pilots meeting at 10AM. Cash and trophies. Event rules on SPRA website. Sponsor: CENTRAL CAROLINA MODELERS

9/10/2011 -- Sanford, NC (C) JOE KITTS MEMORIAL FLY IN. Site: Club Field. Richard Bridges CD PH: 919-776-0771 Email: [1sg824@windstream.net](mailto:1sg824@windstream.net). Landing fee \$5, concessions on site, port o pottie on site. Come and enjoy a fun day of flying and fellowship. Runway 500x75' grass. 50/50 drawing. Sponsor: SANFORD MODEL AIRPLANE CLUB

9/10/2011 -- Vanceboro, NC (C) SOUTHERN AIR RC FALL FLY IN. Site: Gaskin Field. Michael Zaytoun CD PH: 252-633-5361 Email: [michael@zaytouncustomcabinets.com](mailto:michael@zaytouncustomcabinets.com). Visit: [www.southernairrc.com](http://www.southernairrc.com). Fly why you bring, open fun fly. Pilot registration \$10, pilot meeting 9AM, 100x600' beautiful grass runway. Plenty of parking, primitive camping welcome, good food, lots of prizes. Sponsor: SOUTHERN AIR R/C CLUB

9/16/2011 - 9/18/2011 -- Youngsville, NC (C) [RDRC FLY FOR TOTS](http://www.rd-rc.org). Site: Club Field. Lawrence Lewis CD PH: 919-215-3946 Email: [rclarry@aol.com](mailto:rclarry@aol.com). Visit: [www.rd-rc.org](http://www.rd-rc.org). [21st annual "Fly for Tots"](http://www.rd-rc.org) charity fly in. All proceeds to benefit the [Victory Junction Camp for kids](http://www.vjcamp.org). Any type plane welcome. Food on site, primitive camping, huge raffle prizes, 3 day event. Top demo pilots and more. Sponsor: RA-LEIGH DURHAM RADIO CONTROL



# Notices - Upcoming Events

## September NC

**9/24/2011 -- Asheville, NC (C) FRENCH BROAD FLY IN AND SWAP MEET. Site: Club Field At Old County Landf. Will Hicks CD PH: 828-891-3776 Email: cd@abaeromodelers.org. Visit: www.abaeromodelers.org. Landing fee \$5 includes swap meet space, non flyers \$5 for swap meet space. Lunch will be available on site. Visit our website for noise restrictions and driving directions. Come on out and enjoy the event, see ya there! Sponsor: ASHEVILLE-BUNCOMBE AEROMODELE**

**9/24/2011 -- Greensboro, NC (C) GREENSBORO ELECTRIC FLY IN. Site: Grams Field. Steve Vergamini CD PH: 336-430-2512 Email: svergamini@triad.rr.com. Visit: www.greensbororadioaeromodelers.com. 1st annual electric fun fly and tailgate swap meet. All electric planes, foamies, micros, gliders, EDF and helis welcome. From 10AM to 10PM, bring your night rig. Landing fee of \$6, parking space rental for swap meet is \$5. No overnight camping. Concessions on site, plus prizes and raffle. Sponsor: GREENSBORO RC AEROMODELERS**

**9/24/2011 -- Monroe, NC (C) 11TH ANNUAL FALL FLY IN. Site: Club Field. W Scott Gantt CD PH: 704.544.9571 Email: sgantt@benefitcontrolsnc.com. Visit: www.charlotteaeromodelers.org. All size aircraft welcome, no turbine jets. \$10 registration fee, field opens at 8AM, camping overnight on Friday and Saturday. BBQ lunch served at noon, \$8 adults, \$6 children. Playground facility available. Awards for best scale, military, biplane, sport and peoples choice. Raffles, great prizes, excellent facilities. 700' runway, directions to field on website. Sponsor: CHARLOTTE AEROMODELERS INC**

**9/24/2011 -- Newport, NC (C) CRYSTAL COAST. Site: Club Field. David Jones CD PH: 252-725-0438 Email: rcflyer@coastalplanes.com. Visit: www.coastalplanes.com. Located between Newport and Morehead City next to Newport Flea Market. Food and beverages on site. Fly what you bring. \$10 landing fee. AMA required. Close to beaches, hotels, restaurants and shopping. Sponsor: CRYSTAL COAST RC CLUB**





# RDRC 2011 Officers

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## Submittals:

All club members are urged to submit material to be published in the newsletter. The material should be received by the second Saturday of each month. Text is easily submitted in the form of regular mail or e-mails sent to my address above, photos can be attachments in any format that your camera produces (or scanned photos).



**Meeting Wednesday 27th July!!!!**

## Thoughts from the slipstream :

Nearly that time again folks!!! FLY FOR TOTS will be upon us in just 7 more weeks!! So far I hear we need cooks, servers, car parkers and others to just help out all over the place! To volunteer just let Larry or any of the club officers know what you are happy to do and when. I hope to see you there on Saturday at the very least.

It is crazy but almost half the year has already gone by!! So much time for me has been taken up with getting things sorted for our first child off to college, and next year looks to be a similar time with the 2nd one off! Hopefully after that I'll be able to find time to get some planes together and to do some flying!!!

Ah well, at least I am not out in this hot sun every weekend...oh and THANKS to Bob Richards for his article, first of many I hope!!

