



Pitts SPECIAL



*Official Newsletter of
Metrolina Control Line Society (MCLS)*



***Flying Control Line Since
September, 1981
AMA Chartered Club #1811***



March, 2016 Issue



MCLS Club Officers:

President:	Will Davis	willddavis@msn.com
Vice President:	James Duckworth	colduck@netzero.net
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Safety Officer:	David Smith	smitty8126@yahoo.com
Newsletter:	Rusty Knowlton	RknRusty@sc.rr.com
Information:	Howard Shenton	panzer4hs2001@yahoo.com

MCLS is also in association with:

Mecklenburg County Parks & Recreation Dept. through the
Waymer Aeromodelers Chapter of Academy of Model Aeronautics (WACAMA)
(MCLS Representatives to WACAMA are Sonny Williams & David Smith)

**The next meeting will be at
David B. Waymer Field, Huntersville, NC
Saturday, March 19th**

Flying in the morning - Meeting at 2:00 - More flying after the meeting

President's Pen

March, 2016



Club Meeting

Last month's club meeting was a great time for all that attended. The Annual February gathering was at the home and Flying field of Watt Moore. We usually schedule the February meeting to get out of the cold Winter weather. In the past we have done more hanger flying and checking out Watt's latest projects on his building board than actual flying.

But this year's weather was unseasonably warm with light winds making for a beautiful pleasant spring-like day at the field. James Duckworth's Grandson Kyle and Stan Powell's Grandson Trent started flying early with several trainer flights on a couple of .25 size trainers, supplied by Watt. With a little assistance on their first couple of flights, both boys were able to solo before the day's end. Later on we had a good crowd of spectators lined up around the fire pit watching the kids fly.

We broke for lunch around noon for a pot of hot pinto beans with ham, and Mexican cornbread. Then there were lots of great deserts including doughnuts, cupcakes and cookies.

After lunch, we had another first time pilot. John Helms from Pageland came over to join the fun. With some help from Don Jenkins, he was able to fly a Brodak Flite Streak, and so we had another one in the books. All three pilots went together to the workshop and signed the famous *Watt Field Flyers* Board.



Contest News

Upcoming contest for MCLS are:

Huntersville	April 29, April 30, May 1
Joe Nall	May 13 and May 14
Brodak	June 13 to June 18

**Keep on Keeping
on!**

Will Davis

President MCLS

Hope to see everyone this Saturday at Huntersville for another fun day flying.

The Editor's Sandbox

Since a new season is upon us with contests and practice, I've been demanding a lot of my two glow igniters. I use the Dubro spring clamp type with a sub-c battery. They come with a NiCd rated at 1300mah. Translate that to 1.3ah(amp hours) and figure how many minutes of ignition time you get at the 3-plus amps a glow plug draws... I'll do the math, about 20 minutes. *Not all that impressive.* Especially if you don't one-flip your engines like all the Stunthangar guys do Lol... that's a joke. To make matters worse, some nervous pilots like to top them off the night before flying, another really bad idea for a NiCd. I'm guilty. And I knew better. By the way, NiCd self-discharges about 1% per day. 30% per month. Therein lies the rub, you almost *have* to top them off some time, lest you take a limp igniter to the field.

One of my two finally failed to hold a full charge for even an hour, and it was one of the disposable kind. I bought it in late 2013. The battery cannot be replaced. That type is the red one in the picture. My other one, shown in the second picture, only a half a year newer than the dead red one has a replaceable sub-c battery, also rated at 1300mah(1.3ah). It couldn't be too far behind it's useless disposable sibling, so I had very little trust in it. I decided it was time for a change and started reading up on NiMH batteries, which I knew to be safe and would charge on an older NiCd charger (you may *not* charge NiCd on a NiMH charger).

I measured the diameter and length, they're not standardized, and went to the Interstate Batteries store around the corner from my house. I needed a 22mm x 42mm cell. The width is more critical than the length since the contact spring on the cathode takes up a small difference in length. With my Jackson Flyers Interstate discount, I came home with a new 4000mah battery. Did ya get that, 4,000, that's 4 amp hours! You could hook it to a glow plug and walk away for 45 minutes, come back and watch it burn for more than another 15 minutes. It cost \$5.99 without my 20% discount. Interstate part # ASC1033. It's the green one in the picture below right. Do not trust eBay batteries.

It was a tight fit in the top half of my igniter, so I chucked a 1/2" dowel wrapped in 100 grit sandpaper in my drill press and honed it out. Still tight, but it fits. I have taken it on three flying expeditions and it still lights a plug bright enough to make you see blue spots. I plan to buy another of these Dubro igniters and toss the NiCd cell after the first couple of top-offs. Topping off has zero destructive effect on a NiMH cell, and the shelf life is better too. Over-charging, like NiCd, will shorten its life, so get a smart charger as soon as you can. They are inexpensive at Interstate too.



[Click here for interstate batteries](#)



Keep the contacts clean, *especially* the threads that couple the two halves together. That is a critical part of the conductor that carries current to the glow plug.

To learn more about batteries, read up here: <http://michaelbluejay.com/batteries/rechargeable>.

Sandbox continued:

Happy Birthday Watt!

Mine and yours are the same week. Sorry, I forget exactly, but I know it's the 20somethingth. Hope you get to do something fun. Or interesting. Or relaxing.
And happy birthday anybody else who's birthday it is. Spring is a great time to have one.

Newsletter readers using Tablets and telephones

I'd like to ask our tablet and telephone viewers to please check in with me. Either e-mail or phone call and tell me if there's anything I can do to make reading these pages easier. I'm strictly a desktop PC guy for this sort of thing. And with electronic publications it looks different to everyone depending on what you're viewing with.

Snail Mail recipients:

We have a couple of hardcopy readers. I apologize to y'all for being worse than slow in getting your copies mailed, and will fix that this month. I'll also bring a folder of printed back-issues to the contest in Huntersville in April for people to look at. And whoever wants them on Sunday can take them.

Carolina Classic:

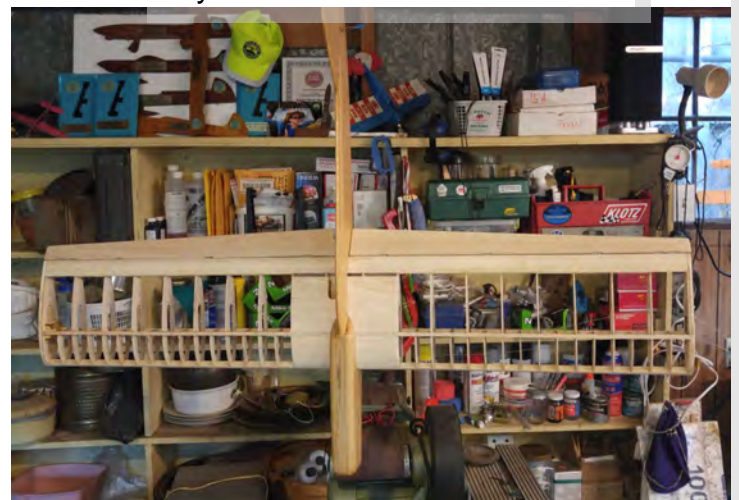
It's on my mind. I've been managing to get some practice in. The weather has been great. I've been flying that old red Cardinal that was hanging in Watt's shop since I first went there, and it's been a pretty good fit for me. It has Will's old LA46 on it, which has some wins already under its belt. I think a bunch of people have used it, and I first remember it on his Ugly Betty Vector. It's about the easiest engine to tune and fly I've ever had. Hopefully I'll fly it to Huntersville on April 29th. I'm building a really nice Walt Umland Fancherized Twister at the moment. It's in the assembly and painting stage right now. I spent months building the wing. Kept getting rained out of the shop all Winter. Wayne built the fuselage some time ago. It'll fly in some contest. Hope it has the magic.

I'm looking forward to seeing the usual Spring crowd. The flyer is on the next page, and it has all the information you need. Get your motel rooms reserved if you haven't already. I'm trying to lure a couple of new buddies who've never been to a contest. If they come, they'll be hooked. I expect you Philly Fliers will be holding out for Brodak in June, but I hope some of the Norfolk gang will come. I know Nashville will be represented, and hopefully my Georgia boys will come up.
See y'all in the funny pages.

Till next month,
Have fun, take care and
Replace your Divots!
-Rusty-



My Twister under construction



Metrolina Control Line Society Presents the 2016 Carolina Classic for CONTROL LINE

Stunt - Combat - Navy Carrier

April 28th - 30th
May 1st, 2016
Thurs. - Sun.

Waymer Flying Field
15401 Holbrooks Road
Huntersville, NC 28078

ENTRY FEES (Each Event): Open \$10.00 (\$30 Max) Jr./Sr. \$5.00 (\$15 Max)

Control Line flying on Two Paved Circles and One Grass Circle, Combat and Carrier circles are on two grass circles at the end of R/C Runway(Fri - Sun). Large Shelter with picnic tables for Contestants & Spectators. Sandwiches, Deserts & Drinks are available at the Shelter.

Due to County and EPA regulations there can be NO PARKING IN THE SHELTER AREA. Several Handicapped spaces are available. You can drive up to the pavillion to LOAD OR UNLOAD but then must return to the parking area. VENDORS. We will try to have tables available but you may need to bring your own tables.

WE COULD LOSE THE FIELD OR VEHICLE ACCESS TO THE SHELTER OVER THIS ISSUE

No Appearance points in any stunt event. No Builder of the Model Rule. All PAMPA & AMA Rules Apply. Awards through 3rd place

STUNT Registration at the Shelter. COMBAT & CARRIER Registration at each event site

THURSDAY & FRIDAY

All C/L Circles are open for Practice all day.

Field gate is locked. Need Key or MCLS member with key present

FRIDAY Field closed for RC.

4:00 - 6:00 PM Stunt Judges Seminar.

1/2A Combat (.061 plain bearing ok) @3 - 4:00 start (Aprox.)

SATURDAY

Stunt Registration @ 8:00 to 9:30

Stunt pilots mtg. @ 9:30 No Stunt flying or Engine running

Stunt - OTS, Nostalgia 30, Profile @ 10:00 Start

Basic Flight @ 12:00 Noon

Navy Carrier - Class I & II Glow & Elect, Profile Glow & Elect, 15,

Nostalgia I, II & Profile. Pilots Mtg, 9:00 Start 9:30

Combat - Speed Limit. Pilots Mtg, 9:00 Start 9:30

SUNDAY

Stunt Registration @ 8:00 to 8:30

Stunt pilots mtg. @8:30 No Stunt flying or Engine running

PAMPA - Beg., Intermediate, Advanced, & Expert. @ 9:00 Start(?)

SL Combat & Carrier if needed @TBD by ED's.

CONTACTS

Event Rules, Hotel Info, Site Map & Site Layout by request

Everett Shoemaker (CD) evjshoe@embarqmail.com

James Duckworth (Admin) colduck@netzero.net

Will Davis Stunt ED - willdavis@msn.com

David Smith Carrier ED - smitty8126@gmail.com

Howard Shenton Combat ED - panzer4hs2001@yahoo.com

The Southern Carolina Gang

The South Carolina branch of the Carolina Gang is always burning circles at Fort Jackson

Okay, we have a bit of history out at the Fort this month. Poking around Watt's shop at the meeting last month, Wayne was stricken with curiosity by the Akro-Bat on the rolling plane rack. He brought it back home and we tested flew it one day.

This funny bird with a guppy belly and barn door for a stab turned out to be a worthwhile project. The first day we flew, it was super twitchy and hunting like crazy, but had obvious potential, just needed a little tweaking. It had an absurd amount of elevator offset that made us a little reluctant to take it overhead in the wind. But it flew inside and outside loops and inverted just as easy as pie.



Now here's what we've learned about it. The first plane ever designed specifically to fly inverted! That's too cool!



The great Bill Skipper introduced the Akro-Bat in 1947. It was guaranteed to fly inverted, and it was the first such kit on the market. Just look at what Bill started!

On another expedition, I got some video action on camera with a 30 year Control Line retread of our own, and Bob Z. doing some spectacular flying of his eclectic fleet of fascinating planes. Click up the movie and enjoy!



Letters & Stories from our readers - you send it, we print it

The best material for this month's installment from around our club and readership is the February meeting hosted by Watt Moore at his home in Chester, SC. Like the Half-A day meeting in the Fall, this one is my other favorite club gathering of the year.

Will told some of the story in his President's Pen column, so here I've patched together a combination slideshow and video of some flying action. And I'll toss in a couple of pictures for our hard-copy members who can't click on the videos.

Here's a video recap of the day
Be sure to click up full screen if you can



Above: This is Will getting Duck's Grandson Kyle started.
Right: Now it's Stan's Grandson Trent's turn.
Below: Our other new pilot is John Helms, with Don Jenkins getting him started. They all signed the Pilots' log.



Right: Keith Palmers beautiful Ares/Fox .35 put on a good show



This page is for your flight reports, builds, and whatever else you'd like to share with our readers.
So no matter if you are in this club or another, or even none at all... get out and have some fun, because without your contributions we'll have to leave this page empty.

SURFING THE WEB - USEFUL WEB SITES FOR CONTROL LINE:

Brodak - www.brodak.com

Complete Control Line hobby shop and manufacturer of supplies and kits
Also publishes **Control Line World (CLW) magazine**, which covers all aspects of CL activities.

Bob Machado's Museum and Gallery: www.hobbyistparadise.com.

Bob's contact info: bobandedy@aol.com

Phil Brown's Web site: www.mastercontrollinelinksite.info/

A complete listing of control line web sites.

Stunthangar - www.stunthanger.com

Stuka Stunt - www.cstunt.com/htdocs/dc/dcboard.php

Tulsa Glue Daubers Website - www.tulsacl.com/

PAMPA - www.control-line.org/

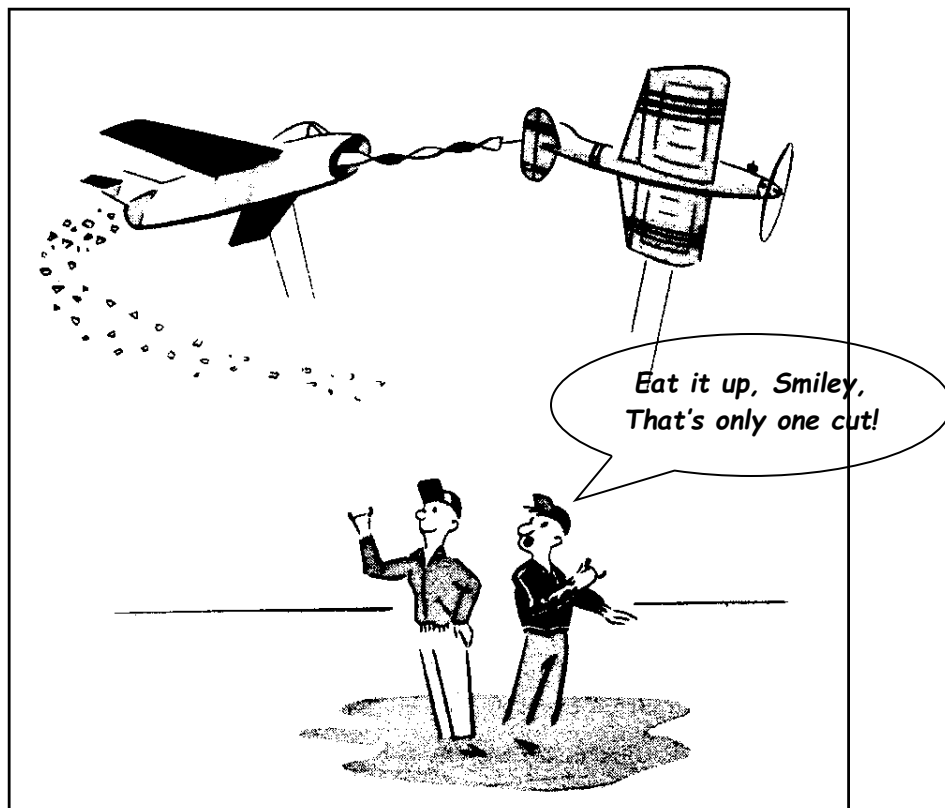
You must be a member of PAMPA to access many areas of this valuable site:

Flying Lines Website - <http://flyinglines.org/>

Great site out of the Northwest. Lots of columns on all aspects of CL modeling.

Thomas Wilk's Cartoons - tawilk36@cpinternet.com

A collection of humorous aviation cartoons which are frequently posted on the [Flying Lines](#) website.



VENDORS' CORNER

The following are club members and frequent contest attendees who provide parts, tools and supplies.

If you find any dead or erroneous links, addresses or phone numbers, please notify me at RknRusty@sc.rr.com

Norine Armish - Phone: 717-805-4457. Email: karmish@ptd.net

We are a small, neighborhood shop in Selinsgrove, PA. I do artwork on wood, tin and slate, and I have two associates who do stained glass and crochet.

Website: <https://www.facebook.com/ArmishsCountryStar>

Phil Cartier - Phone: 717-566-3810. Email: philcartier@earthlink.net

Combat & Stunt kits, Cores & misc. combat & Stunt CL items.

Website: <http://home.earthlink.net/~philcartier/webcat/catalog.html>

Tom Dixon - Phone: 770-592-3279. Email: bdixon@mindspring.com. (Does not use email-Call)

Plans and accessories for the stunt flyer. Double Starr engine importer. Stunt eng. mods.

Website: <http://tomdixon.tripod.com/tomdixon.htm>

Bob Krug - Phone: 923-696-1291. Email: rlkrupa@sbcglobal.net

Supplies Powermaster fuel and other miscellaneous items for sale at contests. Does not ship fuel. Contact him for contests he will attend.

Jim Lee - Phone: 785-266-7714. Email: jlee9@cox.net

Expertly machined parts and tools for model building.

Website: www.leemachineshop.com

Bob Machado - Phone: 508-404-6376. Email: bobandedy@aol.com.

Buy /sell CL and everything else from the website info. Also has a model museum.

Website: <http://www.bobmachadosgallery.com>

Brian Malin - Phone: 321-537-1159. Email: brian@bmjmodels.com

Laser cut FF, CL & RC kits.

Website: www.bmjmodels.com

Bill Mandakis - Phone: 336-499-1192. Email: mandakis@bjm-home.com

Brodak distributor

Website: <http://www.bjm-home.com/modelshop/openingselectionwindow.html>

Watt Moore (Brodak distributor) - Phone: 803-789-9430, 803-517-1153 Email: medplans@truvista.net.

He can order anything from the Brodak catalog or may have it in his shop.



Tom Morris - Phone: 256-820-1983. Email: ctmorris@cablone.net

Extensive line of built models. Electric supplier.

Tom's supplies are available through <http://stunthanger.com/hobby>

John Saunders - Phone: 856-697-0656. Email: Stiletto46@comcast.net.

Look for John at contests with all sorts of CL supplies. Brodak Dealer.

Randy Smith - Phone: 687-407-9376. Email: Randyaero@msn.com

Full service stunt items, Engine tuners, Plans, Props. Engines, etc...

Website: <http://www.aeroproduct.net>



Metrolina Control Line Society AMA Club # 1811 2016 Membership Application

Name _____ **AMA #** _____
Birthday (M D ?) _____
Mo Day : (Year) is optional if you want it known
Spouse / or? _____
Address _____
City _____ **State** _____ **Zip** _____
Home Phone _____ **Cell Phone** _____
email _____
General Interests / Comment _____

Control Line Flying nterest Stunt (St) Combat (Cb) Speed (Sp) Sport (Sr)
 Carrier (Cr) Scale (Sc) Racing (Ra)

Current Membership Status 2016 Member

Membership Dues

- \$0 JR/SR AMA Member or ASSOCIATE non flying member
- \$20 INDIVIDUAL or non flying member wanting to support the club
- \$25 FAMAILY- Only if all members are flyers. Need seperate applications for all family members.
- \$0 NEWSLETTER ONLY- MCLS Membership not required but we would like your personal information for our mailing list. AMA card not required

Mark up any changes or corrections to your information and send or give me the application with a check, Money Order or \$. If there are no changes just fill in the YELLOW areas. I will give the dues money to the tres., Watt, and supdate the database

Make Checks or Money Order Payable to:
Metrolina Control Line Society
Send to

Howard Shenton
310 Drury Lane
Mauldin, SC 29662

Phone: 864-963-3504
email: panzer4hs2001@yahoo.com

Please include a
Copy of your current
AMA MEMBERSHIP CARD
if possiable

**You must be an 2016 AMA member
to fly with us at Waymer field**

Directions to Waymer Field in Huntersville, NC



That's a wrap!

