

TRI COUNTY RC CLUB

THE FLY PAPER

Charter number 434, March 1968

www.tcrnj.com

Reminders:

- **Membership Dues** will start being collected at the **February meeting**. Invoices will be e-mailed out.
- Be sure your AMA and FAA is **current**.
- **TCRC Elections** are coming up. Nominations are being accepted. See page 3.
- A **Heli Training program** is in the works and will be discussed more in the future. So if you ever wanted to learn how to fly a r/c helicopter this is the way to get started without the regular

AMA News:

Many members are trying to renew their FAA registration. It's important to remind members that the FAA extended everyone's registration through 2020 at no cost. **There is no need to renew.** In addition, some members are falling victim to bogus FAA registration sites. Please remember to use the official website for registration, faadronezone.faa.gov. If you have never registered, please do so. The registration fee is only \$5. Dr. Alex S. will have detailed information and entertain any questions as to the progress of AMA involvement in the present and future FAA regulation processes.

Club Meeting

First meeting for 2020 is **Thursday, January 30, 2020 8:00 p.m.**

Monroe First Aid Squad Building

47 Monmouth Rd.,
Monroe Township, NJ

"Night Flying", *Once per month
Its on the 2nd Saturday night.
Contact Rich McDonald if you have
any questions. 917-860-5313
Or richamcdonald@hotmail.com*

Officer Elections will take place at the January 2020 meeting. John Donnelly and Alex Szemere can be contacted if you want to place your name on the ballot.

All positions are open.



"Club Hats are available. Purchases can be made at each meeting and the cost is \$15.00 each. Only a few left." Contact Gerry R.

OFFICERS

President:
Gerry Roedel
groedel@optimim.net
201-780-6586

Vice President :
Rich Rodriguez
rgrodriguez37@gmail.com
201-376-1093

Treasurer:
Joe Aiello III
jaiello612@gmail.com
732-983-8377

Secretary:
Eric Fagan
faganer@optonline.net
914-320-5690

Trustee:
Eric Fagan
faganer@optonline.net
914-320-5690

Editor:
Bruce Grankowski
732-727-9063 home
732-586-9779 cell
bgrankowski@optonline.net

SOLDERING DEAN'S (T PLUG) CONNECTORS.

This article was written by **Patrick Harris**, in 2016 and reprinted again in the **K Factor Magazine** in November 2019. This magazine is the official publication of the **National Society of Radio Controlled Aerobatics**. Mr Harris gave permission to reprint this article in the "Fly Paper", the official publication of TCRC of NJ.

I have talked with many modelers that seem to have a real problem getting a good solder joint with Dean's type T plugs. It seems like more and more battery manufactures are using monster sized discharge wires that can make soldering T plugs a real challenge. I have soldered dozens and dozens of T plugs and have never had one fail with the tips I am going to give you. There are little clips available from Maxx Products that help, but are not very user friendly with large sized wire.

OK, first off you need something to hold the plug steady while you work on it. I use one of those handy little soldering helpers that have two alligator clips on it. I think I got mine from Randy at RC Dude for just a few bucks. (available at Harbor Freight) One other thing is if you are not highly adapt at soldering, you should definitely plug the



half you are soldering into the male or female counterpart to act as a heat sink to draw excess heat. I have been working with T plugs so long I just work with one side, but I advise you to plug in the other half if you are new to these things.

Next up is to strip back your wire and heavily tin the tip with lots and lots of solder. Now of course you don't want the solder dripping off the wire, but you want it so you can barely see the individual wire strands if at all. Ok, here is the issue with T plugs when working with heavy gauge wire. The problem is there isn't enough room to get the wire

on the tab and have enough room for the other wire.... sound familiar?

All right, here is the first tip. Just as you finish tinning your wires, immediately squish the tinned tip with a set of regular pliers to flatten it out into a "tab". Trust me; this makes a major difference in how much clearance you have. This is not as big an issue on the negative post, but will free up a lot of room on the vertical (positive) tab.

OK, the next tip is to hold the plug and grab the "positive" (vertical) tab and bend it out just a hair. I now tin both tabs all the way around them, not just the side I am soldering the wire to. Tinning all the way around the tab will help the solder flow around the wire giving you a much better joint. Along with a slight angle out and the flat tinned wire, you should have plenty of clearance to solder the positive lead and of course remember to put on a small piece of heat shrink before you solder the wire. I solder the positive wire first, shrink the tubing and then move on to the negative wire. One thing you will find is the flat tip on the wires will lay on the tabs much cleaner and won't take as much heat to get a good clean joint.

One last tip is to use a wooden clothespin or an alligator clip to hold the wire you are soldering. It takes a lot of heat to get these done right and will wick up the wire as you are holding it into place, burning your fingers in the process, which of course causes you to move the wire, which of course creates a cold solder joint. You also need a soldering gun or iron that puts out lots of heat. I have used the small Weller gun for years, but I like the bigger one for Dean's. The faster you can melt the solder and get a good joint; the likelihood of damaging the plug is reduced significantly.

PH/ bg

Tony Eck submitted this picture of his F4U Corsair, its electric with a 70 inch wingspan. It weights about 13.5 lbs on 8 cells. Its equipped with air operated retracts, flaps, and 7 metal gear digital servos. Powered by a Scorpion S2 motor and a Castle 100 amp ESC that swings a 17 x 10 prop this combination makes 2000 watts at 80 amps. The aircraft is a Phoenix ARF with about 6 flights to date.

Tony's primary residence is in Virginia, but he frequents NJ to visit family and always brings a few planes with him to fly, so you might see this Corsair at the field soon.



TCRC WELCOMES 2 NEW MEMBERS

George Scivoletti was voted in as a junior member and lives in Manalapan, NJ. He flies FPV and Multi-rotor aircraft for the past five years. George is sponsored by Rich Rodriguez.



George (left) is being welcomed in by Joe Aiello.

Our other newest member is **Anthony Lehner**. He lives in Linden and is a beginning fixed wing pilot. He has an *Apprentice* and will soon be out at the field learning to fly. Tony is sponsored by TCRC member Larry Nielsen.



So when you see these two pilots at the field say "Hello" and welcome them.

Brand New, In the Box **FOR SALE**

Bill Patterson has an eFlite Cherokee for Sale. The plane is the 1.3m, bind and fly. This plane is a great addition to anyone's hangar and looks great in the air. It also has working navigation lights.
Contact Bill Patterson at 732-310-9968, or e-mail him at ufpatterson704@verizon.net



SAFETY FIRST

Before advancing the throttle for takeoff, have you completed a flight control check?

...Ailerons connected and moving in proper direction, elevator and rudder moving in proper direction.

Not completing these simple checks can be disastrous.

2019-2020 NANOOK FUN FLY

The last day of 2019 was a nice day for flying, however, the first day of January 2020 was not a good. It was cloudy, and quite windy. So that may have limited some pilots from taking part.

But for those brave men and their flying machines it was fun!

Taking part in the activity over the two day time frame were: Larry K, Mike D, Frank Jones, Hans Hernandez, Bill Lesko, Shaun Wright, Dennis Mursier, Bruce G, Dr Alex Szemere.



Academy Model of Aeronautics
Charter # 434



The Fly Paper

C/o Bruce Grankowski
E-mail: bgrankowski@optonline.net