

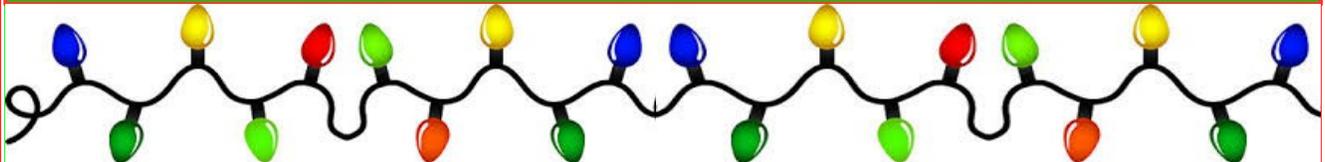
# Central Carolina Radio Modelers



*On the Fly!*

December 2015

Editor in Chief: Marc Wentnick



## Is this right?

As many of you noticed there are six, *yes six* locks on the gate. Five are locked in series and there is the forever *mystery* lock that for no other purpose other than to make us wonder why it's there.

As you renew your membership you will get a key to the new lock. February 1<sup>st</sup>. The old lock will be removed. So don't forget renew!



Congratulations are in order for brother Tim Holland. He is our new fearless leader!



I'm confident as most others are that he will do an outstanding job.

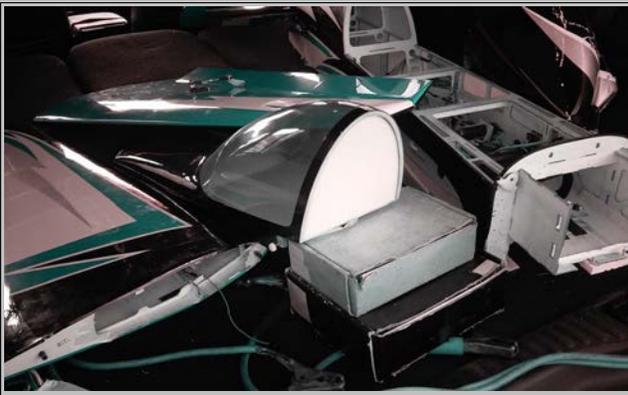
Please feel free to contact Tim anytime day or night will all your concerns. Hehe, *only kiddin'* That's what meetings are for.

*BTW*, meetings are every second Tuesday of the month. Location to be determined.

**We've all had these days!**



## Crash, Boom, Bangs



**T**hank you Mark Willard for demonstrating how *NOT* to land correctly!



...and found in the garbage can, "Hall of Shame", this example of skillful piloting seems to have been in the elements for a while. The wood has discolored and the control rods rusted. Will the previous owner take a bow!

*Do you use protection?*

I finally broke down and purchased a case for my Spektrum transmitter.

Brother Frank Stickle at Central Carolina Hobbies recommended this lightweight case. The heavy dual metal zippers, easy grip handle and durable poly shell makes this case a winner.

Made by Atom it retails for \$29.99.





Spencer Tracy  
Van Johnson  
Robert Walker

In the wake of Pearl Harbor, a young lieutenant leaves his expectant wife to volunteer for a secret bombing mission which will take the war to the Japanese homeland.

[Click Here for more info](#)

## Are you compliant?

**O**ur club is a sanctioned AMA Gold leader club We achieved this by being diligent by being compliant with the AMA's rules and regulations.

There is talk about registering drones and inevitably all r/c aircraft. One rule is to have your AMA membership number on the craft. Not only is this a regulation but it is a good one for the obvious reason.

Write it, put a card in the fuselage but do it. You may never know when you may need it and it keeps us up with the rules.



Close kitchen light

Lock gate

Replace soda cans

Stack and store chairs

**Buying?**

[www.ccrcom.com](http://www.ccrcom.com)

**Selling?**

# From the web



## Welcome Committee



### Returning Member

Dan Hudson (Lt. Dan)

Dan was a past brother and has returned home.

Say hi and welcome him back.

Did  
you  
know?

Cyanoacrylate, or CA Glue as we know it, was invented in 1942 by Dr. Harry Coover and Fred Joyner. It was invented in attempts to make a transparent plastic suitable for gun sights.

Many inventors have claimed 2.4GHz, but the most famous claim of it was by actress Hedy Lamarr and composer George Antheil. Their "secret communications system" used a piano-roll (a self playing piano) to change between 88 frequencies. It was intended to make radio-guided torpedoes hard for the enemy to detect or jam. The Nomadio Sensor was the first RC radio to use the technology.

# History of **R/C** timeline

You are Here

2010

After 6 years of successful Mars exploration, NASA announces on March 24th the RC instructed exploration rovers, Spirit and Opportunity, have vastly exceeded their driving distance goal of just 600 meters.



2010

DARPA plans to fund their next phases of research by remotely controlling brain activity using ultrasound. These remote signals affect areas of the brain that regulate alertness and cognition in hopes that it will improve alertness and alleviate stress, anxiety and pain in soldiers.



2010

On July 1, DARPA announces a \$33 million dollar contract for Northrop Grumman to demonstrate autonomous aerial refueling using two UAV NASA Global Hawks.



2010

Horizon Fuel Cell Technologies debuts "H-CELL 2.0", the world's one and only hydrogen fuel cell hybrid power-train for high performance hobby grade model RC vehicles.



2008

The world's largest RC airplane contest (literally) is held in Florida. Aptly named Top Gun, a total of 125 participants compete over a period of five days.



1995

RC makes a whirring debut as Andy's fun-loving remote controlled car in Disney/Pixar's first CGI feature film - Toy Story.



1993

1:10 scale electric cars and trucks gain in popularity and performance causing prices for motors, batteries and tires to soar. To make things more affordable, parking lot races of the 80's were reinstated.



1990s

1970

Companies begin introducing off-road RC vehicles. However, the Tamiya Rough Rider revolutionizes racing due to its die-cast suspension and big rubber tires for off-road areas. The RC buggy was born.



1967

The beginning of RC hobby car racing and production of car "kits". Pioneers make 1/8th scale pan cars and even 19 cubic inch 2-stroke model plane engines.



1968

Dr. Dieter Schluter, an engineer from West Germany builds the first fully controllable RC model helicopter and is credited as the father of RC helicopter flight.

1950s

1940s

Gas powered tether cars, a.k.a Spindizzies, are model cars powered by a miniature gas engine. This classic car became popular in the early '40s, but can only be started up to run in circles around the tether pole.



1950

Remote control models gain popularity during the '1950's, but are limited by battery capacities and must be recharged frequently until the invention of the transistor.

1932

The model aeroplane flies for its first time in this important era of RC development. We can thank the military for their contribution in remote control technology during WWII.



1937

Walter Good, along with his brother William, is credited with constructing and operating the first fully-functional RC airplane. With the help of his plane, "Big Guff," Walter gives RC enthusiasts a reason to take to the skies. This historic plane is now on display at the Smithsonian.

1903

The world's first RC apparatus is born. The Telekino is presented by Leonardo Torres Quevedo at the Paris Academy of Science. During this, he demonstrates the ability to remotely control a robot via electromagnetic waves causing it to execute various commands.



1917

During WWI Archibald Low, the "father of radio guidance systems", creates an aerial drone plane for the Royal Flying Corps, which is radio controlled and intended as a guided bomb.

1900s

1871

Alphonse Penaud launches the Planophere 131 feet in the air, powered by a wound up rubber band and inspires many people to believe that powered flight has potential.



1800s

1898

Nikola Tesla designs and builds the first pair of radio controlled boats, demonstrating the vessels to a shocked crowd at Madison Square Garden. Tesla refers to his boats as "teleautomatons."



**xenonproject.com**

# THE SPOTLIGHT

Have you ever met someone that has the



ability to turn a rotten day into a great one with just a smile? Our own Bill Gardner is just this person.

Whether it's kidding around, chatting or just smiling, he is always a joy to be around.

Bill has been flying since he was fourteen years old. Given the fact he is now 84 years old that's some flying career! A total of 70 years!

In those early days he flew free flight and control line referred to as *U-Control* in those days. He still remembers his first control line plane, Baby V Shark put out by Victor Stanzel.



He has raced control line competitively on a national level and set many speed records with ships of his own design using a SuperTigre 29. He set a record six times using a Fast B Proto motor reaching speeds from 137 mph to 157mph.

His first foray into RC was in 1956 with a hard tube Loranz transmitter he built with the [\\*Ed Loranz mystery tube](#) controlling a Berkeley cub when he was in the navy.



Bill has always been fascinated with aviation even before he flew. Building planes from orange crates and static model kits at even an earlier age was joy. In fact, he recalls during the war cedar was the choice of wood long before balsa.

But it wasn't until 1998 that Bill delved into the RC that we know today.

Offering a tip to builders he

recommends, "Go get yourself and read model airplane magazines and research what type of ship you want to build and learn about it." he adds, " you also better balance your aircraft."

When asked what is his favorite plane to fly Bill reflects and says he has flew just about everything out there but he loves war birds. The North American P-51 is the plane closest to his heart. Presently owning three now ready to fly plus another in the box, he isn't joking.

As much as he enjoys flying he loves coming down to the field and talking and joking. Sometimes if he doesn't feel 100% he'll bring one plane and just cut up and not flying at all.

I'm sure I'm not alone in saying that I always enjoy his presence and am happy that he brightens my day and all that he comes across.

*\*click on the link or picture below to learn about the Ed Loranz Mystery Tube.*



## Now that's customer service!

I purchased the Horizon Hobby Carbon Z Cub thru Frank Stickle at Central Carolina Hobbies in Archdale. The landing gear isn't what I like to think as very thought out when it was designed so I ordered a handmade set of articulating gear from [www.cublandinggear.com](http://www.cublandinggear.com)



While waiting for the ten to twelve week turn around for completion I didn't fly the ship. In fact, from the time I bought the plane I put six flights on her total until I installed the gear.

Fast forward to a day at the field with my new gear ready, my mind ready and the receiver NOT! It seems that the AS3X state of the art receiver decided to connect to the transmitter anywhere from 2 minutes to zero

minutes. (it won't connect)

I called the good folks at Horizon Hobby to explain my dilemma and they said once I produce a bill of sale they can advise me of what to do next.

### Bill of sale?

Due to my excellent filing skills that was long gone. I told Frank if he could dig up my invoice and without a blink and a smile he says, "I'll call them and I'll vouch for you. I'll be your bill of sale." Hmm..okay I think and he proceeds to call his sales rep who immediately puts him in touch with customer service who then interviewed me. In 3 minutes the guys says, We'll send one out to Frank today.

Now I have been in this hobby for years and have returned defective goods the very next day only to be told the store can't help me that I have to deal only with the manufacturer. I understand why this is policy but in my opinion Frank went above and beyond what he had to do and exceeded my expectations.

The hobby community is very fortunate to have someone who will take the time to help. Really help and I for one am a happy camper. If you would like to share any experiences with us please feel free to contact me.

[ebida3@yahoo.com](mailto:ebida3@yahoo.com)

### *BTW...*

*It has been a joy and privilege to know and fly with you. I am very fortunate to find folks whom are like minded and share my enthusiasm for the hobby including safety concerns. As the new year approaches I look forward to more of the same. Go through your craft for weak spots, check batteries and toss marginal ones. Put your AMA number in all your craft and ....*

