



## Club Officers

### President

Skip Weller  
753-5352

### Vice President

Scott Gizzie  
467-5872  
[sgizzie@nuclearfuelservices.com](mailto:sgizzie@nuclearfuelservices.com)

### Secretary

Ed Fenell  
538-9667  
[p51@johnsoncitytn.org](mailto:p51@johnsoncitytn.org)

### Treasurer

Vic Koenig  
282-0572  
[V54koenig@cs.com](mailto:V54koenig@cs.com)

### Newsletter Editor

Roy "Eddie" Cline  
477-0681  
[exoticcar@aol.com](mailto:exoticcar@aol.com)

### Safety Officer

Don Martin  
343-0160  
[duckslam@aol.com](mailto:duckslam@aol.com)

### Field Marshals

Jared Smith  
787-0299  
[justsmith@xtn.net](mailto:justsmith@xtn.net)

Duke Fenlon  
357-7348  
[dukejan@preferred.com](mailto:dukejan@preferred.com)

## The President's Report

Hello Everyone,

I would like to thank Alan and all the other officers for doing a very fine job this past year. Congratulations to all for a job well done.

We have several committees this year, check last month for a listing. If you would like to participate on one please contact Ed Fennell or me.

Remember this month's meeting is January 27, 2004 6:45 PM at the Johnson City library, hope to see you there.

Safe Flying  
SKIP

Next Meeting is:  
Tuesday January 27<sup>th</sup>, 2004 6:45 PM at the  
Johnson City Library.

The deadline for next month's newsletter will be February 10<sup>th</sup>, 2004.

## From the Editor...

I hope that all enjoyed the holidays and all are looking forward a wonderful new year. A great year is ahead of us and our club. I personally am looking forward to an eventful year of excitement and improvement at the field. Lets all work toward making our club one of the best in the nation. We should look to add to our membership, improve our facilities, and continue to enjoy the fellowship of others that share a common interest in the hobby.

I would like to remind everyone to take advantage of listing any items you have for sale and feel free to share: photos, tips, ideas, interesting articles, product reviews, up-coming events and any other points of interest. Let the rest of us know what new planes that you're currently building. It will take input from all of our members to truly make a worthwhile newsletter. You can contact me by phone, letter, or e-mail.

Thank You  
Roy "Eddie" Cline  
237 Cedar Ln  
Gray, TN. 37615  
(423)477-0681  
[exoticcar@aol.com](mailto:exoticcar@aol.com)

## Items for Sale...

27% Extra 300, 80 Inch Wingspan, Airframe only.  
Basically an ARF.  
Fiberglass Cowl, Wheelpants, 2 piece wing.  
Add engine (1.80ci to 40cc), servos and it's ready to fly.  
\$175 obo.  
Contact Alan Butler 423-391-0812  
[flyalan@chartertn.net](mailto:flyalan@chartertn.net)

If you have any items for sale please contact me about 2 weeks before each months meeting to give me time to list them in the newsletter.

(Note: If you have an item (or items) listed one month, and would like to list them again the following month please let me know to continue listing them each month. If not I will assume the item or items have sold and can be removed from the listing.)

## IMAA News ...

### Chapter 693

<http://www.fly-ima.org>



If you are an IMAA member and would like to be added to the JCRC chapter at no charge, contact Ed Fennel and give him your IMAA number so that he can update the membership roster. His number is: (423) 538-9667

## Senior Pattern:

For more information about Senior Pattern go to:  
<http://www.rcpattern.net/spa/>

## Monthly Membership Meeting...

# JOHNSON CITY RADIO CONTROLLERS MONTHLY MEETING MINUTES DEC. 30, 2003

*Meeting Date Dec. 30, 2003*  
*Number in attendance 18*

The meeting was called to order by Alan at 7:03PM

## MINUTES

Alan asked for a review of the minutes of the Nov. meeting as written in the newsletter. A motion to accept the minutes was made by Terry bailey and was seconded by Derwin Cartmell. The motion was approved by the membership.

Eddie Cline suggested that we develop some fund raisers for the club to raise money and ease the treasury. The finance committee will be meeting on Sat. They will put together some ideas for the club to consider.

There were many comments that members should be required to participate in club activities. We have many members that have not been asked or volunteered to assist the club. There will be more discussion on how to encourage members to get more involved.

There is a great interest in having the JCRC participate in Boy Scout jamborees this year. We would like to sponsor a Scout outing at the field and participate in the jamboree in Bristol. This is an opportunity for members to volunteer in a good activity.

Much discussion took place about ideas on revitalizing the club. Please get involved in your club. If you appreciate the site that we have, volunteer for one of the committees.

Ed announced that he will be printing new membership cards in the next several weeks. He will have them for distribution at the monthly meetings. This will help to save postage. So, if you want a membership card when you renew your membership, you will have to come to the meetings to get them. Send your renewal dues to Ed Fennell as usual. He will have extra copies of the membership forms at the meetings.

You can access the form by going on the web and clicking on membership.

Derwin, Alan, Ed and Donnie Roberts volunteered for the event committee. The first meeting will be on Jan.6, 2004 at Derwin's house.

May 5, 2004 at Bristol Motor Speedway is the date of the Boy Scout jamboree. They are interested in having the JCRC participate. This is a great opportunity for electricians to demonstrate. It is also an opportunity for members to volunteer.

## **ANNOUNCEMENTS**

The flying field runway cracks have been patched however, everyone feels that we will have to re-seal the entire runway this next year in order to protect the runway.

Last meeting different committees were set up to handle the activities of the club. It was discussed that **ALL** members should volunteer for one of these committees. We have several that have volunteered for the finance and event committee and they will be setting up meetings shortly.

We are looking for members to volunteer for the following committees. Maintenance committee, publicity committee, mowing committee, finance committee, event committee. Please get involved by volunteering.

If you want to volunteer, call Ed or Skip.

## **NEW BUSINESS**

Our lease to the flying field will renew in Oct. 2004. We will be asking the City to renew the lease at a commission meeting in Oct. We want to put together a pictorial history of the club, field and events since our initial lease agreement. We will be presenting this history at the meeting. If you have some photos that you think would be beneficial, contact Ed, Alan or Skip.

Eddie Cline suggested that we put a monthly activity calendar in the newsletter. If you have other suggestions about the newsletter, contact Eddie.

Don Martin suggested that we might have an article dealing with the crash of the month or the story of the month with a winner being selected at the end of the year.

Scott Gizzie suggested that we produce a pamphlet for beginners that we could give out. This would be a guide for radio control flying. It would also be a document that would introduce the JCRC. This is another opportunity for members to volunteer.

Don't forget to volunteer for a committee to help the club.

Being no further business, Alan adjourned the meeting.

Respectfully submitted

Ed Fennell

## **On The Building Board...**

I know that some of you will be building, designing or modifying this winter. Let us know, so we can look forward to seeing it at the field. It is always interesting to see what kinds of planes are being built by others in the club.

## **Tips of the Month...**

This section of the newsletter is where you more experienced pilots and model builders give the rest of us tips to improve our skills. Please take time to share your trade secrets with the rest of the club.

# **Trimming according to Vic Part #1**

I start this with much fear and trepidation realizing I am not an engineer and not as skilled a pilot as some of my fellow club members. But I have been flying for almost 20 years now and I've learned a lot from the school of hard knocks. Sad to say that usually means a crash or some sort of damage. I realize there a lot of ways to skin a cat and I am not so egotistical that I can't take another flier's advice or at least listen to what they have to say when it comes to setting up an airplane. Some of what I write here will be just that, another flier's method which was better than my own or one I used from another source. I plan to spread this out over two to three months to allow you time to apply the first steps before trying the next ones. That's not to say some procedures are more difficult, but some are so basic and fundamental you'll wonder why you haven't already done them.

That said, why is it a good idea to trim a plane and what does it mean to trim? My definition of a plane in trim is one that flies well in any attitude and has no control surface in a position that is being used to correct an out of trim condition. Stated in other words, it flies like its on rails. An example would be where one wing has an angle of attack that is different from the one on the other side. The plane would have an inherent roll toward the side with the least lift. To solve this problem one could change the aileron to compensate for the out of trim wing and the plane would fly straight and level again. Unfortunately this is what most people will do, either because it's the easy way out, or they have trouble determining how to set the plane straight.

Well what's the matter with leaving that aileron in the miss aligned state and just going out and flying the wings off of it? The problem is the plane is making the air dirty with turbulence (hard to say, difficult to spell and not a good thing if you want to fly on a rail) and it is going to exhibit even more problems if the pilot is interested in any semblance of precision in a maneuver. The speed of the plane is also a factor and things will change as speed changes. Almost with out fail, a misaligned control

surface WILL affect more than one type of maneuver.

OK, let's get started, but let's start by doing some basic things before we touch a control surface. There's much more to trim than simply adjusting an elevator. First, you must statically balance the wings. A heavy wing will force you to move an aileron out of true alignment to compensate. Next, verify that the center of gravity is as the designer prescribed. There's an old but true saying. A tail heavy plane will fly well, *one time*. That's because it's almost impossible to land it. I have found designers pretty much know how the plane will fly if you set it to their CG mark. They have a vested interest in your enjoying the plane's attributes. As a result I will always give them the benefit of the doubt and start at the design CG. We can change it later if we want to do something crazy.

At this point I also like to "center" the servo throws. It's a good idea to have the ability to have max servo movement if needed in an emergency. Bear in mind that servo arms are not linear in their movement. For example, 5 degrees shaft movement just off center is not the same as 5 degrees near shaft end point at least when we get out there on the control surface. Therefore, place your servo arms at the physical center of their movements and adjust the linkages to compensate. Digital radio control settings should start out with zero sub trim. While on the subject of servos, insure that the linkages are tight and that the Nyrods (if used) are firmly attached and supported. The same goes for the clevises. All things that move a surface must be tight and in decent shape or you may loose "baby" to flutter. When that happens a control surface will come off in flight, normally at speed, and you will have a problem. I remember seeing Rod Snyder have an aileron come off in flight many years ago, but he still had control of the opposite side and brought it home safely.

The last item this month will be to check for wing twist if you have a one piece wing. This will take some time fix but it pays big dividends particularly at landing. A straight wing develops uniform lift on each side and lets you concentrate on more important things than having to fight changing roll on landing. If you need to twist the wing you can most likely do it by heating the covering after straightening the

wing manually and holding it in position while applying heat.

Good luck till next time and feel free to ask me a question on what's been covered so far. Please feel free to add a comment as well.

Vic Koenig

## Event Committee Recommendations for 2004

The event committee met on January 6, 2004 to discuss the events for JCRC in 2004. In our discussions we recognized that there were 4 main classes of events that club members could be involved in. Each of these 4 classes of events involves flying RC or improving the RC community. Those classes of events discussed were field maintenance, community service, club publicity, and club fellowship/sportsmanship. Each class of event can either be a fundraiser or an expense for JCRC. We will need a mixture of all classes of events of both fund raisers and expense type for a balanced 2004. Below I will be describing the specific events that we had in mind for 2004 and with each I will identify each as FM (Field Maintenance), CS (Community Service), CP (Club Publicity), or CF (Club Fellowship / Sportsmanship) and either E (Expense) or FR Fund Raiser). I hope this better defines for the club members what the Event committee recommends. As always we are open for suggestions. I would like to open this list up for discussion in the next meeting and finalize the events and the dates for the events at the meeting. We will also need volunteers for all of the events and will be putting together lists of volunteers for each event. If you are interested in being an event coordinator please let the Event Committee know.

If you want to suggest events please bring your ideas to the next meeting, or please send me an e-mail at [DECARTME@CHARTERTN.NET](mailto:DECARTME@CHARTERTN.NET) with your ideas. I will be glad to get ideas to the event committee.

# **Proposed Events**

## **Work Day 1** FM, E

April 17 9:00 AM till 12:00 noon with rain day to be April 24 same times.

An event coordinator will be needed to act as a Forman to coordinate needed field maintenance, supplies, and volunteers. We will also include cleaning up the road as a part of our adopt a street pledge.

## **Boy Scout Training Session** CS, CP, E

May 8th Starting Friday evening after work and continuing Saturday morning.

Boy Scout troop will stay Friday night (30-40 boys) and the club will provide training classes toward badges involving aeronautics and hands on RC flying with the club trainers. We will need an event coordinator and up to 8 volunteers. (The 3 instructor pilots will be needed for flight training.) We expect to spend around \$50 for training supplies.

## **Boy Scout Expo @ Bristol Motor Speedway** CS, CP, E

May 1st the Boy Scouts will be holding a Expo at Bristol motor speedway. They have asked us to come and display some aircraft, maybe fly some electric aircraft, and to generate some interest in the hobby. We will need an event coordinator and a few volunteers to take planes. We expect the expense to be minimal.

## **Fly In** CP, CF, E

June 12<sup>th</sup> JCRC will hold an all planes fly in. This will be for fun and fellowship. Expenses should be minimal. We will need an event coordinator and volunteers.

## **Pattern Training Class and Contest** CF, E

June 26<sup>th</sup> JCRC will hold a AMA pattern training class and sportsman contest for those interested in

AMA pattern. We will need an event coordinator and volunteer judges.

## **Fun Fly** CF, FR

July 10<sup>th</sup> from 8:00 am till completion JCRC will hold a traditional fun fly. We will have an entry fee with the winner taking 50%. We will need an event coordinator and volunteers.

## **Work Day 2** FM, E

July 17 9:00 AM till 12:00 noon with rain day to be July 24 same time.

An event coordinator will be needed to act as a Forman to coordinate needed field maintenance, supplies, and volunteers.

## **Fun Fest Event**, CP, FR

July 18<sup>th</sup> is a possible date for an RC Air show for Kingsport Fun Fest. Kingsport Fun Fest in the past has had RC air shows as an event. They drew large crowds. If possible we will try to have the same type of event for them this year. We may be able to use this as a fundraiser. We will need volunteers for various tasks.

## **Giant Scale Fly In** CF, E

August 21 JCRC will hold a Giant Scale fly in. Typically IMAA rules will apply. We will need volunteers for various activities. We expect a minimal expense.

## **Club Picnic** CF, E

Club Picnic will be held September 25<sup>th</sup>. We will need volunteers to bring food and to help cook. The main course will be on the club. This will be a day of food and flying.

## **Winter Prep Work Day**, FM, E

October 16 9:00 AM till 12:00 noon with rain day to be October 23 same time.

An event coordinator will be needed to act as a Forman to coordinate needed field maintenance, supplies, and volunteers.

### **Club Dinner** CF, CP

Club Dinner will be on November 30<sup>th</sup> for those who wish to attend. We will need an event coordinator to pull the dinner details together. There should be no cost to the club. Members will be responsible for the cost of dinner.

## **Potential events**

### **Mall Display event**, CP, FR

We are checking into the possibility of having a display at the mall. This event depends on finding a way to either break even or make money on the event. We are currently checking on the cost of setting up in the mall.

### **Swap Meet** CP, CF, FR

It may be possible to put on a swap meet similar to Perry, Georgia or Roanoke, Virginia to raise money in the fall. We are currently investigating this. We need a volunteer to take the lead on this activity.

### **Electric Fly In**, CF, E

With the popularity of electric planes these days there may be a possibility to have a good all-electric fly in. Please provide feedback to the event committee if you believe this would be a good and well-attended event.

### **Booth at the Appalachian Fair** CP, FR

We may investigate what it would take to have a booth at the fair. This could be good for publicity and there may be ways to make this into a fundraiser. We need a volunteer to head this effort up.

With all of these events possible in 2004 we will need volunteers. Please come to the next meeting to discuss the events and volunteer for activities

Thanks,  
The Event Committee

## **One of Our Own**

Recently, I had the privilege of visiting with one of the elder members of our club. I spent several hours in the company of him and his wife and enjoyed listening to stories of past flight experiences during WWII.

In January 1942 he entered the Air Force (Army Air Core). He served his country until September of 1945 after he had returned from the European Theater.

At the start of his military career, he went to Shepard Ville Texas where he attended airplane mechanic school. He excelled in school to the point that when his schooling was over the Air Force made he a Buck Sergeant engine instructor. He was responsible for training 25 – 30 men each week. He taught new mechanics to maintain and repair both radial and in-line engines. While an instructor, one of his fellow instructors and friends was killed while teaching group of students. A plane was running inside a hanger and the engine got in time with the cycle of the lights (this created a timing light effect). The prop looked as though it was stopped when actually it was spinning. He said that his friend walked up to the airplane and grabbed the propeller. After this event he said that the military enacted a rule that no mechanic can work on a plane with out some one in the cockpit, as well as, someone standing watch on the ground.

In December 1944 his commanding officer came into the training facility, gathered the instructors, and said “men, you have to get your house in order, you are headed over seas”.

I the beginning of his tour of duty in Europe, he transported wounded soldiers from Germany and France back to England. This was carried out in a C47. He said that out of all the planes he flew

during the war, C47 was by far the easiest to fly. The C47 was like a big flying Cub.

He began taking flying lessons before he went into the service from a doctor here in town. However, he continued his training in Europe in an olive drab J3 Cub. This enabled him to co-pilot during war. After the war he pursued his flight training and acquired his Commercial Pilots license and his A and P Mechanic certification.

Later in the war, he was given the task of converting some war torn B-17 bombers to be use to transport troops. These airplanes were brought to him from Northern Africa. They had been “rode hard and put up wet”. The engines were full of sand and the general condition of the planes lacked a lot to be desired. He oversaw the removing the weapons, disabling and securing of the bomb-bay hatches, the overhauling of the engines. He then spent the remainder of his tour transporting troops from England to differing areas throughout Europe in the modified B-17s.

The person that I have written about was awarded the Air Medal of Honor for 64 successful missions transporting combat troops and wounded troops across the English Channel. His fellow solders called him “Co-pilot Green. We know him as Fred.

I would like to thank Fred Green for sharing his experiences with us. I would encourage any and all of you to share your experiences with the club. I am looking to talk to those who have flown in combat, or have just flow over the years and would like to share their stories. I am especially interested in talking with some of you that have been in the hobby for many years and can discuss how things have changed through the decades. Please contact me if you are interested and sharing or if you know of someone who may be.

Eddie Cline



Fred H. Green, Tech. Sergeant, 326<sup>th</sup> Ferrying Squadron.

Eddie Cline

## **Just a Reminder**

We as a club should always be looking for new members and find ways to introduce this exciting hobby to others. We need to be inviting people, young and old, to come out to the field and experience the hobby for themselves.

## Upcoming Activities and Events

As was discussed in the last meeting we are going to put a calendar in the newsletter to keep everyone informed of scheduled activities and events. We need feed back from all of the members so that this page of the newsletter evolves into a worthwhile tool. It would be a good idea for each of you to bring a copy of this page to the monthly meetings so that you may make notes, then you could stick it on the refrigerator. (Just a Suggestion) Let's discuss the format at the next meeting.

<b>February</b>						
<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
<b>22</b>	<b>23</b>	<b>24</b> Monthly JCRC Meeting 6:45	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>						

Below are activities and events upcoming:

### March

### April

April 17<sup>th</sup> Work Day 1

### May

May 1<sup>st</sup> Boy Scout Expo, May 8<sup>th</sup> Boy Scout Training Session

### June

June 12<sup>th</sup> Fly In, June 26<sup>th</sup> Pattern Training Class and Contest

### July

July 10<sup>th</sup> Fun Fly, July 17<sup>th</sup> Work Day 2, July 18<sup>th</sup> Fun Fest Event

Vic Koenig

**3404 Berkshire Circle**  
Johnson City, TN 37604

ADDRESS CORRECTION REQUESTED

**Our Club Sponsors:**

***AAA Model Supply***

5237 Hwy 126  
Blountville, TN  
(423)323-1513

***Benedicts Ace Hardware***

3607 N. Roan St  
Johnson City, TN  
(423)282-1950

**TNT HOBBY**

3550 Hwy 75  
Kingsport, Tn 37663  
Phone(423)279-7344  
Fax (423)279-7244  
[www.tnthobby.com](http://www.tnthobby.com)

***Notice to Membership***

Access to the “Members Only” section of the JCRC Website is as follows:

Username= jcrc (lowercase)

Password= current gate combination

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

**Next Meeting is:**

**Tuesday January 27th, 2004  
6:45 PM at the Johnson City  
Library.**