

KCRC



Knox County Radio Control

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Knoxville Tennessee

AMA Chapter 594
online www.rcpattern.net

Club Officers
President- Jerel Zarestky
Vice Pres- Phil Cope
Treasurer- Joel Hebert
Recording Sec- Mike Foley
Sgt at Arms- Joe Bolinsky
Club Historian- June Cope
Editor- Jim Scarbrough
Board of Directors;
Chris Luck
John Heard

From the Hangar

by Jerel Zarestky

If you weren't at the April meeting you missed one that was overflowing with "content"; we went wire to wire on our time.

After the business meeting, Ben Oliver filled us in on NiCd vs. Nickel-Metal-Hydride cells and information on Lithium-Metal cells and packs as well. My apologies to Dennis Hunt who only had a moment to touch on what he had planned to say about trimming your airplane for improved flight characteristics. This is information that is not just for the pattern or competition aerobatic pilot but for sport flyers as well. If you want to do more than take off and land your airplane, you'll want to hear what Dennis has to say when he continues his presentation at the May meeting. The May meeting is at the field. We had several show-and-tells at the April meeting as well. The winter building projects are finally coming out to the meetings and hopefully to the field. Keep the planes and projects coming! They make the meetings much more interesting. It is also a good chance for the newer members of the club to get a close look at construction and radio installation techniques. ARF manufacturers do not always have the greatest suggestions on control linkage installation. You can learn more in five minutes of looking at the work of an experienced modeler than you can in building five ARFs according to instructions.

Paul Funk has volunteered to CD a Fun-Fly next month (Saturday, May 11th). He'll be saying more about that elsewhere. The SPA Pattern contest and Float-Fly are a "Go" and plans are proceeding. Mike Foley is working on organizing an airshow for this fall, so watch for further developments there. You might want to work on that special plane or flight routine that would be of interest to the general spectator at an airshow.

Work on in-flight sound measurements is continuing by the sound committee.

By the time you read this the club will also have participated in a program for the Knoxville Radio Amateurs Club. We received a call from a person on their program committee asking for one or more of us to come and speak at their meeting on April 18th. I'll report on that program at the May meeting.

The American Museum of Science and Energy

people have also asked the club to participate in their Flight's of Fancy program on Saturday, May 4th. If you have a good display plane, bring it to the museum in Oak Ridge before 9:00 am and be willing to answer lots of questions about the hobby/sport from the crowd. Mike Foley has printed up some nice handouts for the club. The display will last into the afternoon (3:00 or 4:00) but any help from 9:00 on is greatly appreciated.

There is a lot happening in the next month so check the calendar of events so you don't miss anything!

See you at the field..... Jerel



Here is the Hangar 9 J-3 Cub that Jerel entered in the Model of the Month contest in order to show the floats installation. A very nice engineering project. The

float rudders were arranged to steer or retract on command, with a servo for each purpose. Rudders are in the up position here.

How would you like to see something like this coming after you? Someone sent me a picture of a full size attack helicopter with an attitude! Can you believe that paint job? I assume that the picture was taken in Afghanistan, but I don't know. I wish I could get the painter to do the trim on my next model!



At the Field

Well, the weather finally seems to be turning warm. I have an idea that it won't be too long before we'll be remembering those cool spring days when sweat wasn't running down into your eyes and the sweat bee's weren't crawling around on your forehead and arms. Or am I rushing the season? Anyhow, there is a lot of action at the field right now, and Mike Foley is in the midst of it. Here he is with his



new Great Planes J-3 Cub. (This picture looks a lot like the lead picture in last month's column, doesn't it?). Mike brought it to the last Work Day when we were putting up the new net, but

wouldn't fly it because the wind was blowing kinda hard. Anyhow, here is the intrepid work crew that came to put the net back up after the posts were painted. There were a few members who had left before this picture was made, and it is sure tough to get credit for your efforts unless you have documented proof you were there. Next time I'll wait around!



Try Aerobatic Competition by Phil Spelt, SPA 177

Have you ever wanted to try competition aerobatics, but didn't want to buy the special equipment needed? Here is your chance! As many of you probably already know, KCRC is hosting a Senior Pattern Association (SPA) pattern contest on June 1 & 2, 2002. Flyers who are just starting in pattern can enter the Novice level on a fly-what-you-bring basis. In other words, ANY safe airplane is eligible. Here is a partial excerpt from the Huntsville, AL, Rocket City Radio Controllers' Newsletter about SPA:

"In 1991, a seasoned modeler, Mickey Walker, Smyrna, Georgia founded the Senior Pattern Association. When pattern went to turnaround maneuvers in the early 80's, a lot of pattern guys stopped competing because they

didn't like the change which demanded major equipment changes. This would force them into bigger, more complicated , more expensive planes. Mickey and his friends determined to find a way to still fly pattern, but in a less demanding fashion. The original concept was to provide a relatively inexpensive and uncomplicated competition pattern with simple rules. This concept has proven to be very popular and the Senior Pattern Association now has a fairly large National membership made up of local flying clubs and individuals who are dedicated to the building, flying and competition of vintage pattern aircraft. The Senior Pattern Association incorporates many of the same maneuvers used by those flyers in 1972 in current sequences. Each maneuver in a sequence is judged by a panel of two judges on a scale of 0 to 10."

The Novice maneuver schedule is as follows:

Maneuver:	Difficulty (K factor):
1. Takeoff (U).....	1
(Downwind Trim Pass)	
2. Straight Flight Out (U).....	1
3. Procedure Turn (U).....	2
4. Straight Return Flight(D).....	1
5. 3 Inside Loops (U).....	3
6. One Horizontal Roll (D).....	2
7. Immelman Turn (U).....	2
8. Stall Turn (U).....	2
9. Traffic Pattern Approach(U)...	1
10 Landing Perfection.....	2

As a "seasoned" pattern flyer, I can attest to the genuine fun I have had at SPA contests. The contestants, almost to a person, are extremely friendly. Once you have flown several contests, it is like going to a club fun-fly -- you know people and renew friendships. You can also simply compete against yourself-- correcting mistakes and improving your own score with each round of flying. My flying certainly improved dramatically after I started flying precision aerobatics! Just as there are no stupid questions, there are no bad maneuvers in Novice, although some maneuvers ARE better than others.....Phil

I couldn't have said it better myself, Phil. Thanks for the writeup. All you members need to get ready for the contest. If you don't want to fly, there will be plenty of jobs you can do to help and your efforts WILL be appreciated.



Mike Foley sent me this picture of Matt Jenkins after his solo flight. One of the real benefits of KCRC membership is the fine instructors we have who readily devote their time to helping new flyers learn to fly without banging up their trainers. It is a very real financial gain. Another new member who soloed recently was Tony McVay, who looked like a pro when he greased several landings.....

Meeting Minutes for April

The April 9, 2002 meeting of the Knox County Radio Control Society was held at Deane Hill Recreation Center in Knoxville, Tennessee. President Jerel Zarestky called the meeting to order at 7:05pm. The treasury report was given by Joel Hebert. The meeting minutes from the March meeting were passed as read in the newsletter. There were 28 members present.

Old Business

John Heard gave a short report on the fence repairs that were made recently. John reported that the old net that was strung between the fence posts was taken down, the posts were scraped, painted, new covers were put on the posts and a new net was installed. John read off the list of names of who helped, followed by a round of applause from the group. Joe Parrott also made new signs to go on the fence posts between the spectator area and the pit area.

President Zarestky brought up the subject of the lease renewal. He said that he and Chris Luck have a copy of the lease and they have to get it back to the Parks & Recreation Department by the 1st of May. Otherwise, everything is fine with the agreement.

President Zarestky touched on the upcoming events that are scheduled for the Club. They are: the Float Fly, which is being held on May 4th at 9am at the boat ramp at Guinn Road. For more information, please see Jerry Goss. Then we are going to have a Fun Fly / Flea Market / Bar-B-Que that will be held May 18th.

Jerel then turned the meeting over to Dennis Hunt, who gave a short report on the upcoming SPA contest. Dennis said he got the AMA sanction and the contest is only 7 weeks away. The contest is scheduled to be held at the K.C.R.C. Field on June 1st and 2nd, 2002. He also said he would be looking around for people to fill specific jobs during the contest.

President Zarestky then touched on the subject of the airshow. Mike Foley said he would CD the airshow with one stipulation, if he got some help from Jerel; who said he would get the AMA sanction. Jerel said the airshow is a lot of work, and we should be thinking of some events or acts that we could use in the show, that shows off the hobby, and is entertaining as well. The question was asked as to when we would have the airshow. The reply was either in September or October, and most likely would be held on a Saturday. A vote was taken, to see if there was enough interest in having an airshow this year, at a date to be determined later (early fall). A majority of the members voted to have an airshow this year.

President Zarestky touched on the subject of the sound rule and sound measurement at the field. A proposal was made for collecting some good numbers for determining a sound limit for our Club. That was, to measure a minimum of 10 planes at 10', 25' (over marked asphalt taxiway) and at the boundary fence on the ground and in the air, and a different range of airplanes (2 stroke, 4 stroke, gas powered). A date was picked to conduct the tests. After some deliberation, Sunday, April 15th was scheduled to conduct the tests. Also, a proposal was made to buy the Simpson Sound meter that Ed Hartley had. A motion was made, seconded and passed by the majority present.

Jerel asked if anybody wanted to get a K.C.R.C. name tag from Terry's Tags. Once again, he showed specimens that he had made for himself. If you are interested, please see Jerel and put your name on the sign up sheet.

John Heard said he saw a white airplane in a tree behind the water treatment plant the other day. He said he went back later to see if he could find it and it was gone. It either fell out of the tree because of the high winds, or somebody got it out of the tree. If you are missing a white trainer type airplane, please see John Heard for more information.

NEW BUSINESS

Chris Luck told the group that Paul Funk was putting together a Fun Fly with the date tentatively scheduled for Saturday, May 11th at 9am. Paul will be the C.D. and would have 2 classes set up, a beginner class and an advanced class. The events would be posted at the field. Events would include climb & glide, bomb drop, spot landing, a limbo, just to name a

few. There was a short discussion among the members present, a motion was made to have a Fun Fly, and was carried by a majority vote.

President Zarestky told the group that he received a call from Shelia Tallent from the Knoxville Radio Amateur Club and wants to have some members from our Club give a little show or presentation at their next meeting, which will be held at 7pm on Thursday, April 18th at Wallace Memorial Baptist on Merchants Road. There were 5 people that said they would attend the event and bring planes. Also, the club has been invited to the American Museum of Science and Energy in Oak Ridge and they would like to have us put some planes on display at the museum again this year for the Flight of Fantasy event. It's very short notice and it conflicts with the Float-Fly being held on May 4th, but I think we have enough members that won't be at the float fly that we can get a half dozen or so people to display their models and be at the museum for a few hours Saturday morning. Please see Jerel if you are interested in helping with the display at the museum.

Model of the Month

There were quite a few models submitted at this months meeting. The first was Ray LeBlanc's Clancy Aviation Stagger Bee all done up in red wit white stripes. It's a 3-channel airplane powered by a Norvel .15 swinging an 8 X 4 prop. The wing area is 395 sq. inches, which gives a wing loading of 10 per sq. foot. Ray says the plane is very light, weighs only 1 pound 14 ounces. Somebody asked if he had flown it yet, and Ray replied, "not yet!"

The next model was Phil Cope's Kyosho P-51 Mustang ARF, 40 sized, powered by a Saito .72 four stroke. The plane was designed for mechanical retracts, Phil put Spring Aires in it, and it works real nice. The plane has independent servos in the ailerons. Phil modified the controls for the rudder. Instead of using the supplied pushrod, he installed pull-pull controls on the rudder, and installed pushrods on each elevator half, which gives very positive control of the elevator. He said he's been flying the plane for about 2 weekends and it flies great.

Next, Jerel showed off a set of floats that he has installed on the J-3 Cub. They are set of Sea Commander floats, manufactured in British Columbia. Jerel said he was told that he needed to have water rudders on the floats, and to make the retractable. The then proceeded to show how he gets the water rudders to steer the plane in the water, and how he retracts them. Jerel said the biggest part was mounting the floats to the plane. It was very labor intensive, using over 80 nuts and bolts. A question was asked if anything was cut to size, and Jerel replied "nothing." According to Jerel, there were some 36-inch long pieces of tubing, a stack of aluminum chunks that were the right shape but with no holes drilled in them, and there were 8 blanks of steel that bolt to the side of the floats. He said it was quite a job to install everything. He said the plane lifts off the mounts when he wants to fly off land again. All he has to do is disconnect the mechanism for the water rudders loosen 4 screws and the plane lifts off the mounts for the floats. (You can see pictures of Jerel's Cub flying off the water at: http://user.icx.net/~thezs/Cub_on_floats/)

George Campbell brought out a beautiful yellow Aeronica C-3 that he built from a kit he had for 20 years. It's powered by an OS .15 two stroke. The plane has 3 channels (rudder, elevator and engine control). He said he thinks it weighs about a pound and a half. He said the seat inside the plane was cut out of the bottom corner of a milk jug. He said he hasn't flown the plane yet, he said maybe, if the weather is good Sunday he'll fly it then.

A vote was taken by the members present and Ray LeBlanc won the Model of the Month and a gallon of fuel with his Stagger Bee. There was no Crash of the Month.

Jerel then turned the meeting over to Ben Oliver. Ben gave a nice presentation on battery maintenance, the different types of batteries (such as Lithium, Nickel Metal Hydride and Ni-Cad) and how to charge and care for them. Ben recommended that if you have any questions, you could find lots of information on the Internet. One place he recommended was www.rcbatteries.com/.

The meeting was adjourned at 8:50pm.
Michael J. Foley, Recording Secretary

For Sale

- 1- Hangar 9 Cessna, ready to fly w/ .40 engine & 6 channel radio, \$225. plane only \$75
- 2- Hobbico Starfire, .40 size stunter. still in box. Paid \$112, will sell for \$75
- 3- World Models Midget Mustang ARF. .60 size, NIB, paid \$260, sell \$175
- 4- Hobby Lobby Hacker motor glider, complete w/ JR rcvr, power, servos. flown 20 x., as is \$175
- 5- JR 652XP computer transmitter & 507 servos. no rcvr. on channel 60, \$150 or BO
- 6- Hitec Flash 5 computer transmitter and 555 rcvr. still in box. channel 18. \$150 or BO
- 7- Helicopter competition exhaust pipe KSJ 478, new, fits OS.46FXH heli engine. paid \$109, will sell \$65
- 8- OS .46 FX . ran twice on bench, \$85 or BO.

For more information, call or email John Herrle at 865-670-7664 or usfipeman@att.net

The next meeting, May 14th at 7:00 PM, will be at KCRC field. We have plenty of room this year, so please attend. Dennis Hunt will talk about "Making Models More Flyable"

Club Events Calendar

- May 4th- KCRC Float Fly. Access ramp off Guinn Rd. 9:00AM start. Jerry Goss, CD**
- May 11th- Fun Fly. KCRC Field 9:00 start. Paul Funk, CD. No restrictions on plane. Original events. Free.**
- May 18th- Flea-Fun-Fli with BBQ lunch at KCRC field. 9:00 AM start. \$5 for lunch. Visitors Welcome. Bring junk and money.**
- .May 17,18- SPA contest, Huntsville Al**
- May 25,26- AMA pattern, Nashville, Tn**
- June 1,2- KCRC SPA contest. KCRC field**
- June 8,9- AMA Pattern contest. Cummings, Ga.**

Check www.rcpattern.net for more information and other contests.

This and That

At the meeting April 9th, Ray Le Blanc entered his little jewel, a Stagger Bee by Clancy Aviation, in the Model of the Month contest and won by a slim margin over some mighty formidable competition. There were 5 gorgeous entries in this month's competition. It seems like it is



Feast or Famine in the contest; either a bunch or only one or two. This is one of the more popular events at the meetings.

The April meeting was one of the best and most interesting meetings I've attended in a long time. Business efficiently conducted, a good showing of models, and a very interesting program given by Ben Oliver on battery operation and maintenance. He covered the three types most likely to

be used by modelers. Dennis Hunt, of Zimpro Models, showed his new .91 size Viper. Dennis will bring the program at the next meeting on May 14th...



These are the other Model of the Month's entries; Phil Cope's P-51, Dennis Hunt's .91 size Viper, and George Campbell's Aeronca C-3. Phil's P-51 was a very good entry with a .72 Saito 4 stroke and Springaire retracts. George had a model that used to be seen at almost any model get together, but is not too common today. A very good flyer, usually. Dennis just brought his new Viper to show it to the club. A real beauty.....



For Sale

Dynaflite Butterfly.

A real flyer at a real good price. Never crashed. No engine and no radio, just a heckuva model. Been flying with a .25 OS FP. \$40 firm

Call John Heard
588-6615

