



Newsletter

Knoxville TN Sept 2017 AMA #594

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THIS'N THAT

► “_ but the days grow shorter, when we reach September_”, Willie Nelson sang that beautiful old song about a May-December romance but it also could apply to our club meetings. Darkness will soon cut short our meetings at the field and the September meeting will be our last one before heading indoors in October. Joel Hebert has arranged our meeting place at his church on Middlebrook Pike since 2006 and will probably do so again. Instructions as to location in the church will be sent to you.

► Seeing the gorgeous GeeBee R-1 Warren Oliver entered in the Model of the Month contest in July was a reminder of how far we've come in the electric powered models flying at KCRC field. I remember the days in the nineties when we first started seeing EP models. The NiCd batteries and brushed motors were very inadequate power sources for heavier models and when the Grand Wing Servo (GWS) company came out with a Piper Cub and a Tiger Moth foam model that included motor , gear box, ESC and propeller. they became very popular at KCRC field for a few of us. I remember Bob Dillworth, John Heard, Roy Pritchard, Fred Heddleson and Sang Choies enjoying them.

GWS introduced several scale models a bit later that flew very well, and when the LiPo battery and brushless motors came out the whine of an electric motor became a common sound. GWS sold one model that is still popular among the guys flying combat with the Slo Stik.

► Got a note from L.A. Johnston concerning the tail volume article Michael Catlin gave me last issue . “ Jim::: Tell Michael Catlin that another use for the tail volume number is that it helps establish the CG (center of gravity) location for a model. A large tail volume moves the CG back. Like the “Civy Boy “ (an

old timer), the CG is clear aft of the trailing edge of the wing. The Civy Boy was the only model I ever saw that went into a flat spin under power and kept going up. The gyroscopic effect kept the nose up....L.A. “

One of the first things a modeler learns is to check the CG on a model before the first flight. The rule of thumb (for a model whose plans don't provide it) is the CG should be about 30% back from the leading edge of the chord of the wing. If the CG is too far back, the model became too sensitive to the controls and is an accident waiting to happen. When I built the Benny Boxcar, the CG was about 60% of the chord. I was very worried about it but tried it anyway. The large tail volume moved the CG back and made the model easy to control. Most of the old free flight models had large tail volumes which made them more stable..

► Got a note from KCRC President Rick Thompson. He had gotten a note saying that Pellissippi State college was going to teach a course on flying drones.” __The course is taught by a local instructor, Cole Hood, who works with Falcon Aerial Engineering. My email address is crjesselgrider@pstcc.edu and my phone number is 865-539-7008; I'd love to hear from you whether it's something you could help with or not._”.

Anyone interested should get in touch. As a personal note, I hope they stress responsible flying. We have enough trouble with the FAA already with irresponsible activities.

► Got a new toy at HobbyTown the other day. I've kinda been looking for something I can fly in the backyard and saw this. It's made by Ares (www.Ares-RC.com).

The model is a beautiful (ultra-micro) foam version of the Taylorcraft 130. The model, ready to fly, weighs a few grams, I don't think it weighs as much as an ounce, although the weight given on the box says 1.0 ounce with battery, a 200mah, 1S Lipo..It comes complete

with transmitter and batteries, everything but experience, for less than \$80. Don't know how it flies at this time. I'm waiting on a windless day to try it. ■



KCRC Meeting Minutes—August 8, 2017

President Rick Thompson called the meeting to order at 7:00 p.m. at the KCRC field with 20 members in attendance. Two new members, Denise Cumming and Justin Long were recognized and welcomed into the club. (Ed note: Alberto Ladron joined on Saturday).

There were no corrections to the July minutes, which were approved by unanimous voice vote.

Rick reported on a recent mowing accident when John Basalone's mower threw a rock through the rear window of his vehicle. In accordance with the club's bylaws regarding special expenditures, Rick sent an email to the Executive Board requesting approval for KCRC to pay the repair cost for a new window. The Board approved. The cost was \$604.00. Rick's disclosure of this expenditure at a meeting was also in accordance with the bylaws.

Treasurer Joel Hebert gave the treasurer's report, which was approved by unanimous voice vote.

Rick reported on a request from the Madisonville Senior Citizen's Center for KCRC members to give a radio-control flying demonstration at the Tellico Plains airport on September 9. The occasion is a special day for grandparents and their grandchildren. Jerel Zarestky will be flying his full-scale Czech Sport and bringing his radio-control model of the same aircraft. John Partridge will fly helicopters. Several more volunteers are also needed.

Phil Spelt, Co-Contest Director with Warren Oliver, reported on the SPA contest held at the KCRC field July 15 and 16. There were 17 contestants. KCRC members Jimmy Russell and Bill Dodge won their classes. Joel Hebert was scorekeeper. Alan Valeo picked up food for the Saturday lunch. Roger Kroodsma ran scoresheets and retrieved a crashed plane from the lake shore. Phil reported on the income from the registration fees and raffle. He also requested greater club participation for the Master's SPA contest being held at the field October 7 and 8.

Paul Funk reported on the KCRC fun-fly scheduled for Saturday August 19 beginning at 9 a.m. Three events will be held for each of two classes, a beginner class and an advanced class. The specific maneuvers for each event will not be revealed until flight time. Any type of plane may be flown but each contestant may use only one plane. Lunch will be provided for \$5. Paul also discussed the big fly-in at House Mountain this week.

Phil Spelt gave an update on the preparations for the Marine Mud Run scheduled for Saturday September 16, when the KCRC field will be closed for flying. Options for application of driveway gravel and the digging of a driveway erosion-control trench prior to the Mud Run were discussed.

New Business

Ed Dumas discussed the Monday August 21 total eclipse of the sun. Around 2:30 p.m. the KCRC field will experience 1 minute and 7 seconds of totality compared to a maximum of about 2 minutes and 40 seconds in areas at the center of the eclipse track near Athens and Spring City, where lodging is apparently completely reserved and where much traffic can be expected on the highways.

Rick received an email from an instructor at the Hardin Valley Campus of Pellissippi State Community College concerning a September course in flying drones and whether KCRC could help in any way.

Bill Dodge reported on his recent work applying filler to cracks in the KCRC runway. He suggested that the runway needs application of a complete top coat and that this be done the day of the Mud Run. Volunteers are needed for stirring of the material and application of it to the runway. Members gave approval by unanimous voice vote for \$2000 to be spent.

Crash of the Month was won by default by Bill Dodge, the only competitor for CoM. After winning his SPA competition, he was practicing spins because he had been losing points on this maneuver. But his plane snapped when he attempted to pull out of a spin and crashed. Others told of their recent crashes. Ed Dumas told of a crash where he had taken his eyes off his high-flying Cub to watch Randy land his Cub. When he looked back, he didn't spot it until too late as it was going down into the trees beyond the field. It settled into a Mimosa tree, was retrieved, given a few minor repairs, put back on the runway, and flown. Phil Cope described his crash of Errol Lyons's plane, after which he put together a new plane of the same model, flew it, and gave it to Errol, who said it was better than the original. Kevin Thomas described losing orientation on his T28 and hitting the weather tower. Phil Cope retrieved the plane.

Model of the Month was won by Bill Dodge, the only competitor for MoM, who built a new pattern

plane for SPA competition. It is a 65-inch Curare with a 4-stroke O.S. 95. John Basalone showed the uncovered fuselage of a 14-foot Sig Manufacturing Rascal 168, which will have a DLE 61cc gas engine. Phil Cope showed a Tiger 60 with an O.S. 61FX 2-stroke that he built from a kit for Eddie Smith.

The meeting was adjourned about 7:45 p.m.

**Respectfully submitted, Roger Kroodsma,
KCRC Secretary.....Roger**



Illustration 1: Bill Dodge and Curare



Illustration 2: John Basalone and monster



Illustration 3: Phil Cope and Tiger 60

► Sometime back, Jimmy Russell promised he would send me a picture and some words on a project

he was working on. Here it is::

"I started building the Goldberg Anniversary Cub Jan 2014. It sat on the back burner for 2 years though. This was the Goldberg Classic by Great Planes kit sold from Tower Hobbies. I built it with the Clipped wing option which comes out to a 67.5" WS. It's built like a brick out house. With plenty of lite ply, spruce and hardwood dowels used throughout I chose to cover it in Hazel Sig's famous N32629 Blue and White scheme. I have heard nothing but good things about Hobby King covering film so I decided to give it a try. I really like the stuff. It sticks down at a lower temp and can shrink a lot when more heat is applied. The white was opaque enough to use it over the blue. I like it better than Monokote and Ultracote. It's much cheaper too. You get 5 meters for around \$10 before shipping. I'm very proud of how pretty it came out. It's by far the best looking model I've built. I used an old Saito 65 with a 13x6 prop to power it. I test flew it the day before our Cub Fest earlier this year. It's been a lot of fun Cubbin' around KCRC with it since....Jimmy"



Illustration 4: In the bones.



Illustration 5: Beautifully finished product.

August Fun Fly

Randy Philipps sent a bit of information on the

Fun Fly held in August at KCRC. Randy said that there was thirty five members and guests who ate food prepared by KCRC Chef Charles Wilson on the grill. Jerel Zarestsky also attended and showcased his awesome ice cream machine. Jerel said he wanted to thank John Farmer for devoting his time to helping on the ice cream.



The events were determined by drawing from a hat. Here is John Baselone drawing the next event from a hat held by CD Paul Funk.

Here is Paul going over the rules for the upcoming event with the pilots who will compete..



The Eclipse at KCRC

Phil Spelt

KCRC Field, August 21, 2017 -- Light began to gradually fade – as if the sun were setting. But, it was only about 2:10 in the afternoon! We were at the KCRC field, not to fly but to watch a "once-in-a-lifetime" spectacle. The total eclipse of the sun was starting. It began with just a small little dent in the solar disc, entering from about 2:30 o'clock on the clock face. As we watched for the next 20 minutes, or so, the little "dent" gradually consumed more and more of the yellow solar disc. It exited the sun's disc at about 7:30 in the dial.

People have talked about something (a dragon, in China) taking bites out of the sun, but that analogy breaks down quickly, as the process is a slow, gradual one – an analogue rather than a discrete digital one with each "bite"

happening suddenly. As the eclipse progressed, the solar corona, the ring of gasses and radiation surrounding the sun, itself, became more and more visible. A bit after 2:30, right around 2:33 or 2:34, we viewed totality. The sun was totally blotted out by the moon.

Just before totality, the classic "diamond ring" phenomenon appeared. The bright spot at a single point around the edge of the moon, where a very bright beam of light shone toward us, made that spot and the very thin ring around the sun look like a back-lighted ring with a sparkling diamond on it.

The picture(s) accompanying show the pit area of our field at full eclipse. Over the centuries, people have described the feeling at totality as "eerie", "spooky", and "weird"... For me, the experience was one of serenity – a calm and peaceful aura settled over the field. It was darker, but not dark. It would have been entirely possible to fly during totality. Next time, I may just do that, having witnessed one, I wouldn't miss anything I had not seen before. The "night" insects began their chorus, but not as full-blown as during actual evening, and it didn't last very long. Most of us there (there were about 18 or 20 folks) removed our eclipse glasses and looked directly at the sun/moon duo.

As the eclipse ended, there was another diamond ring effect, just as spectacular as the first one. All in all, it was quite an experience. It was an experience I would like to have had last for a couple of hours, rather than the advertised 1:07 to our flying site.

Can't wait for 2024!.....Phil ■



Illustration 6: This picture is a bit before the eclipse and has shadows. The picture at full eclipse was pretty dark and no shadows.

► Phil Spelt was there and made sure that this rare event was put in the newsletter so that it would be remembered. Thanks, Phil.,

Maybe one of these days I'll see you at the field, Phil. ■

KCRC August Feed and Fun

by Paul Funk

Jim:: We had a fantastic turnout Saturday for the Fun Fly. 18 pilots signed up to fly in the Novice and Advance class. Randy and Charles handled the lunch and Jerel made homemade ice cream. The Novice class had 4 events and Advanced flew 3 events. Below is a list of the Pilots in the order they place....Paul.

Novice

- 1 Steve Jones
- 2 Joel Hebert
- 3 John Basalone
- 4 Ralph Colon

Advanced

- 1 Matt Conser
- 2 Paul Funk
- 3 Anthony Stevens
- 4 Roger Kroodsma
- 5 Jimmy Russell
- 6 Errol Lyons
- 7 Warren Oliver
- 8 Randy Phillipps
- 9 Denny Evans
- 10 Brad Butzbach
- 11 JJ Hedrick DNF
- 12 Rick Thompson DNF
- 13 Phil Cope DNF



Illustration 8: Thank goodness Michael Catlin got a few pictures of the folks at the Feed and Funfly



Thanks to Paul Funk and Michael Catlin for this information on the recent August Feed and Funfly. Looking at the list of contestants, I see a few names I recognize from days gone by. Good to see they've kept their hand in. I've always thought that once a modeler, always a modeler. Maybe not true but..... Jim ■



Illustration 7: This is a picture of Jerel and his magic ice cream maker from a feed last year.