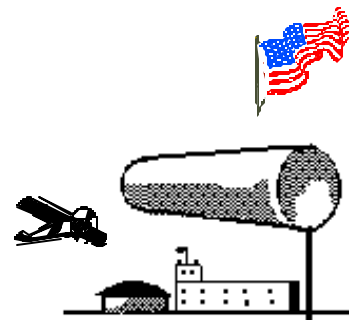


THE WINDSOCK

PUBLICATION OF THE TRI-LAKES R/C FLYING CLUB
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VOLUME 11 ISSUE 4

APRIL 2004

APRIL MEETING

APRIL 13, 7:00 PM

Meet at the Branson Community Center.

Program

Bring your new projects for Show and Tell.

THE PRESIDENT'S CORNER

While at the field the other day I notice that we are acquiring a lot of cigarette butts near the spools. I shouldn't have to remind anyone of rule 15, which states that if you brought it to the field with you take it with you when you leave. This includes the butts from the cigarette.

I had a meeting with the instructors and we discussed some guidelines for the pilot training program. I hope to have a discussion on the subject at the meeting on April 13th. If you have any questions or input please be ready to discuss the issue at that time.

TRI-LAKES R/C FLYING CLUB

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The oil in the mowers has been changed and the field has been mowed. If you arrive at the field and it is too windy to fly take a walk around the field and pick up some of the large rocks that grew this winter. I'm sure Homer and the mowers would thank you.

See you at the field.

Howard

TRI-LAKES FINANCIAL STATEMENT

		MAR	Y T D
BALANCE	3/1/2004	\$ 1,514.95	\$ 1,645.95
INCOME-DUES	-----	\$ 425.00	\$ 825.90
INCOME-SHIRTS&CAPS	-----	\$ 5.00	\$ 10.00
INCOME-FOOD	-----	\$ -	\$ -
INCOME-50/50	-----	\$ 5.50	\$ 21.00
INCOME-MISC	-----	\$ -	\$ -
EXPENSE-FIELD	-----	\$ 124.63	\$ 524.63
EXPENSE-NEWSLETTER	-----	\$ -	\$ 7.40
EXPENSE-SHIRTS&CAPS	-----	\$ -	\$ -
EXPENSE-FOOD	-----	\$ -	\$ -
EXPENSE-AMA	-----	\$ 25.00	\$ 130.00
EXPENSE-Web	-----	\$ -	\$ -
EXPENSE-meeting room	-----	\$ 20.00	\$ 60.00
EXPENSE-MISC	-----	\$ -	\$ -
BALANCE	4/1/2004	\$ 1,780.82	\$ 1,780.82

MEETING MINUTES

TRI-LAKES R/C FLYING CLUB

March 9, 2004

President Howard Shire opened the meeting at 7:00 P.M. at the Branson Community Center. All officers were present. There were 23 members present and guest Dan Rush of the Tri Lake branch of the Civil Air Patrol. The minutes from the February meeting were approved as published in the March newsletter. Treasurer Erv Rohde reported that the balance as of March 1st was \$1,514.95. The 50/50 raffle was won by Jack McEvoy who received ½ of \$11.00.

Committee Reports: No committee reports.

Announcements and Old Business:

There are presently 32 paid up members for 2004. A reminder to everyone that you are not allowed to fly at the field until your AMA and Club dues are current

Howard Shire announced that we have our signed lease back and it is good for an additional year.

Wade Stein reported that the mall display date still has not been finalized. He has contacted the manager of the Branson Mall several times and will look into an alternate location, hopefully for March 26th. Members can keep current through the club web site.

John Woods still has not gotten anything back on an indoor flying location.

Howard Shire said that the diazinon was put down on the field to kill the bugs and reminded everyone to be careful of getting it on themselves, especially if you smoke!

Mike Anderson reminded everyone that we still have a few club shirts on hand for sale and that another order is going in shortly. If you want a shirt get it now! Cost is \$15.00 (XX Large additional \$2.00).

New Business:

The issue of safety was again discussed and everyone reminded that we are all responsible for knowing and following all of the Club and AMA rules. It is especially important that we all help new members become familiar with all of the rules. Howard asked that all instructors meet Saturday, March 13th at the field to review procedures for new pilots.

Roscoe reminded everyone of the upcoming fun fly on April 17th. Hot dogs at noon and the events begin at 1:00.

The club received a flyer from the U.S. Scale Team asking for donations to help send a team to Poland in

July. Motion made and passed to donate \$25.00 to their team.

Dan Rush announced that a 10 story balloon will be setup at the Shephard of the Hills some time in April. They will be giving out free rides for a short period of time and the price when open to the public will be \$12.50 per person.

Program:

Joe Major brought a Green R/C ARF with an Enya 46 "Cub look-a-like" with a symmetrical wing. He's selling it for \$125.00, plane & engine (no radio gear).

John Woods had his Lazy Bee with floats and an OS 20 4 stroke. Says it floats real nice, hasn't flown it yet. He also had his 3DX tricked out with the blue LED lights that he got from Goldmine-elect.com. He brought some pictures showing him hovering this in his living room with a tether!!!! If you want to try this yourself, he'll give you all the details on how to set it up.

Next up was Roscoe Fudge with his new Lanier featuring foam wings with an 80.5 span and fiberglass cowl and pants. He has covered it with Ultra coat and is using a Fuji 32 with spring starter. Should be around 14 pounds with he's finished with it.

Jack & Annette McEvoy brought their DynaFlyte Giant Decathlon in bare bones with a full scale interior. They're using a Fuji 32 with Tru Turn spinner, 605 H-Tec ball bearing servos & Futaba PCM receiver. Will be covered with 21st Century blue & white with red trim. A documentation book with photos is being kept on this project.

Bob Miller displayed a foamie to explain how a reversing GWS motor is properly set up. Timing is critical on electrics and running backwards will tear up equipment if not set up properly.

Jim Halbert had a variety of electric motors and folding props including a brushless AXI that the case rotates with the prop. Some electric motors use a gear box which drags down 10 to 15 percent of the power.

Mike Anderson had his new Southern X2 kit from Fun-Planes.com. This is an all EPP foam AXI 2212/34 with 11/4.7 prop. Weighs 12 oz and is really a nice flying plane. He also had an Edge 540 kit in the box which cost \$49.00 complete except the electronics.

Erv Rohde had a flight box that he gave away. Jack McEvoy took it to donate to a teenager who is just getting started in R/C flying.

Meeting adjourned at 8:06 p.m.

THE EDITOR'S NOTE PAD

Are you a member of the Tri Lakes R/C Flying Club? Well if you haven't paid your 2004 dues, **you aren't!** If you haven't paid your dues you need to get them to Erv Rohde or another Club officer, especially if you want to continue flying at Rocky Top Field.

Looks like President Howard Shire has also noticed that some members (probably only two or three) have been leaving their cigarette butts laying around the field in violation for Club rule 15 which states that if you brought it to the field, you take it home with you. If need be the Club rule will probably be enforced and may cause some unhappiness or embarrassment to a couple of members. But the best thing that could happen is that cigarette butts no longer accumulate at the field and the rest of the members drop the subject.

Went out to the field Saturday with three airplanes to fly but the wind was too strong for me. But I had a floppy foamy that weighed in at less than 13 ounces that had not been flown before. Mike Anderson had a sister ship that he flew in the wind without any mishap so I had him fly my plane on it's maiden flight. Even though the plane was blown around quite a bit it handled the wind in good fashion. When landing Mike put it into the wind and Harriered it to a three point landing—don't think the wheels turned one revolution. Mike wanted me to mention that the above flight happened only due to superior pilot skill but a lot of the credit must obviously go to the plane's design and construction. It does have to be mentioned that during this time many larger airplanes were sitting on the ground waiting for the wind to let up or were flown with less than perfect flights! Are these little flexible foamies the wave of the future?

Don't forget the Club Fun Fly on April 17th. Less experienced pilots are encouraged to enter and will be allowed some help from more experienced members.

Time to land for this month.



Above is Geoff Gunther's Great Planes Lan-cair being piloted by Gary Metzger. Don't know much about the plane except it is big and fast.



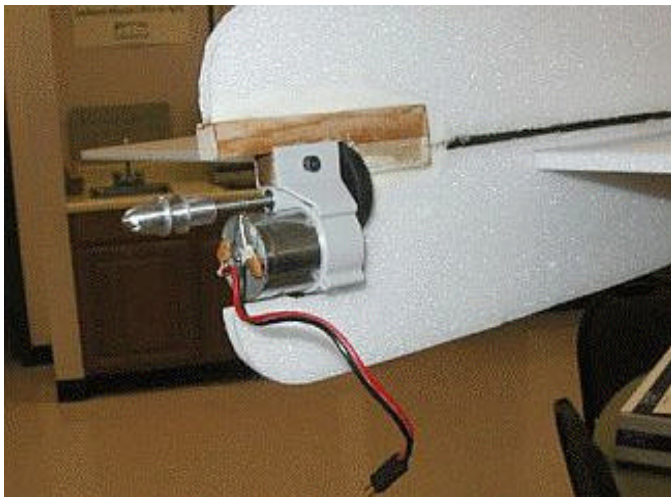
O.K. John set the hook before he gets way! It does look a little strange but John Woods is actually hovering his 3DX in his living room. What you don't see is the tether strings John has rigged up so the plane does not go to far astray.



Above is John Woods' Lazy Bee on floats but he hadn't flown it on the floats at this time. Looks like he is getting ready for the Springfield annual float fly later this summer.

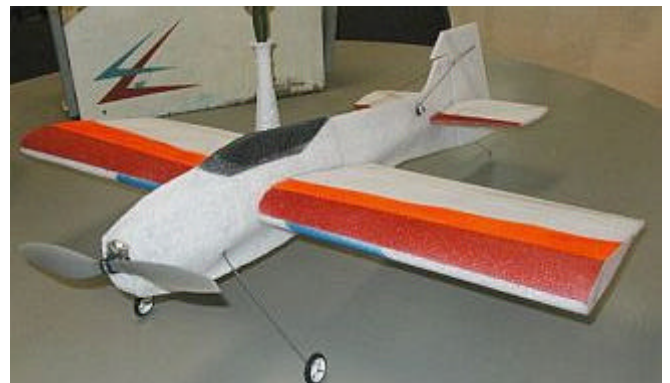


Above is Jack McEvoy with his (their) giant Decathlon. The thing in front of Jack's chest is the hatch that lets you look at the full scale interior detailing. Think Annette is the inside person but didn't want to pose for a picture with the planes interior. It has a Fuji 32 engine and will have Century 21 fabric in blue and white with red trim. In the foreground is a binder for scale documentation and progress pictures. Looks like it will be a great looking plane when finished. Wonder who is going to be the first to take this bird into the air? Jack?, Annette?, John? Ray?, Joe?



Above is Joe Major's Green R/C ARF Cub with an Enya .46. You can own this plane for about \$125 less radio gear. Left Bob Miller shows how to mount a geared GWS motor while the motor still turns in the forward direction. Below is Mike Anderson's Southern X2 EPP 3D plane. The AXI 2212/34 with 3 Li-Poly cells gives about 22 ounces of thrust to this 12.5 ounce plane. That's great vertical performance. Mike says it flies great.

Below is Roscoe Fudge's new Stinger. Looks like a gasoline engine but don't have any more details.



Fun Fly

When? APRIL 17th

BBQ starts at noon—pilot's meeting at 1 PM

Where? Rocky Top Field

There will be three events.

One event will be the always popular LIMBO, provided the wind is not too strong.

Another event will be a TIMED FLIGHT with a couple of loops and a spot landing.

The third event will be a mystery until the day of the Fun Fly.

Pilots can use any fixed wing aircraft they want in any event.

Novice pilots (meaning new or inexperienced) are encouraged to enter and can have an instructor stand by or be on a Buddy Box in case of trouble.

Words of wisdom from Club Safety Officer Roscoe Fudge

A new year of flying is with us. We can't stress "safety first" enough.

Roscoe

MIXING EPOXY:

What to do when epoxy doesn't harden properly. Epoxy is one of the best modeling materials available. It's useful as an adhesive for wetting out fiberglass cloth, as a filler, and as a finishing material. It can be thinned or thickened for a variety of purposes. But, even though it is useful, epoxy also can be a pain when it doesn't harden properly.

There are two important issues when dealing with epoxy: proportioning and mixing.

Of these two, mixing is the most critical. Misproportioning the hardener to the epoxy generally leads to slow hardening, but lack of proper mixing can lead to permanently sticky epoxy. One hundred quick, hard strokes are recommended when mixing any amount of epoxy. Count them to make sure that your mixing is adequate. Always mix your epoxy before putting in any additives. Both thinning or thickening agents can keep epoxy from mixing properly. Give the epoxy 100 strokes first and then put in the additive.

Thinning. Epoxy can be thinned using acetone or denatured alcohol. Either of these can be added to make it more watery. A mix of up to 50% doesn't seem to have any effect on the final strength of the epoxy. Thinning the epoxy will slow down the curing time and make it wet out fiberglass and carbon fiber better. Thinned epoxy also can be wiped onto balsa or obechi as a finish.

Thickening. Epoxy can be thickened by adding almost any inert fine-grained solid, from sand to cotton fiber. Modelers usually use microballoons for thickening epoxy since they are readily available and add little weight. Thickened epoxy can be used to make fillets or to fill gaps.

5 minutes, 15 minutes, 30 minutes, more? Epoxy comes in formulations for different curing times. The times listed on the package are strictly nominal and generally refer to curing time. Five-minute epoxy does not give you five minutes of working time. At best, you will get 20 seconds of working time in which to place 5-minute epoxy before it starts to "hit." Thirty-minute epoxy gives you around one to three minutes before it starts to hit. These times will vary with temperature, mix proportions, and proper mixing, but they are good reference points. In general, 5-minute epoxy is only for spot gluing. It is great for small, quick jobs but not for involved tasks. A general rule of thumb is the working time for epoxy (after 100 strokes of mixing) is about 10% of the time listed on the package. Keep in mind that epoxy mixed and left in the cup will hit faster than epoxy that is spread out immediately.

Clean up. Epoxy on the hands can be cleaned with acetone, denatured alcohol, or vinegar. Vinegar is the most desirable of these three but it smells. I find that soft soap, when used straight and rubbed patiently and thoroughly on the hands, removes epoxy residue in a completely satisfactory fashion. Try it; you'll like it. The best thing to do is wear latex gloves while working with epoxy and toss them when you're done. It avoids any possible allergic reaction and eliminates the clean-up problem.

Al Sorensen, editor of the
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Orlando FL

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March 2004

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