

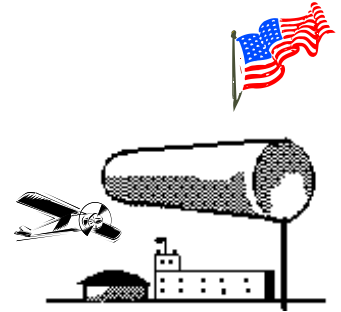
THE WINDSOCK

PUBLICATION OF THE TRI-LAKES R/C FLYING CLUB

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CLUB WEB SITE <http://www.bransonrc.org>



VOLUME 19 ISSUE 10

OCTOBER 2012

PROFFESOR J. WOODS

**IEEE Aerospace and Electronics
Systems Society (AEES)**

Missouri S&T Student Chapter/UAV Team

Friday September 21st, 2012 at 2:00-3:30 pm
Carver-Turner Room, Havener Center



Radio-Controlled (R/C) Model Airplanes

John Woods, Tri-Lakes R/C Flying Club

Abstract – Radio Control modeling and flying has become a very popular hobby recently due to the advancement of technology in new lightweight materials, radio gear, and in electric powered airplanes. The presentation will introduce many of the aspects of Radio Controlled Airplanes. What is Radio Control and how it is used in the design, building and flying of R/C model Aircraft? The lecture will be extremely helpful to those interested in getting into R/C and those who may have been out of the hobby for awhile and want to learn about what's new in R/C. There will be several models on display including a small electric powered aircraft weighing less than 2 ounces to a 20-pound gasoline powered craft with a wing span in excess of 7 feet. In addition, a state-of-the-art R/C computer flight simulator for the R/C pilot will be demonstrated. (John Woods has been building and flying model for over 20 years. Club Website: www.bransonrc.org)



The presentation will provide a background for airplane development and operation of Missouri S&T's UAV. The supplemental presentation will follow on intelligent imaging research by Missouri S&T and Oak Ridge National Laboratory.

*Event Co-Sponsored by the IEEE
AEES, the IEEE Rolla Subsection, and
the ASEE Midwest Section*

The Missouri University at Rolla (Missouri S & T) has long been into student participation in science and technology contests such as the solar powered automotive races held in past years. And they have done very well in these contests. They are now entering a UAV (unmanned aerial vehicle) competition that will be held next year in Australia. Since radio control would be a big part of the UAV they went on the internet and somehow found John Woods' name. They contacted John and asked if he would give a class on radio controlled aircraft to the UAV Team. Of course John, loving to teach, readily agreed to develop and present the class. Below is John's description of what transpired.

Maybe you'll be invited to the final event, John.Ed.

Attached is a Flyer the University used to announce the upcoming R/C presentation. It was held at the University of Science and Technology in Rolla. The ASEE (American Society for Engineering Education) held their UAV (Unmanned Aerial Vehicle) Workshop and I did a presentation about Radio Control Airplanes. There were about 15 students/faculty there and the lecture was well received. Jim Haney assisted me and we really enjoyed talking with the students - overflowing with enthusiasm.

THE PRESIDENT'S CORNER

There is not much for me to report this month, since I missed most of our flying days. I do need to note, that the Christmas dinner has been canceled due to a lack of interest! I am sure someone will have something to come up with for the dinner and meeting. We will need someone to volunteer for this duty A S A P .

It seems that there has been a lot of windy days this month. Lets hope the wind calms down a bit so we can have some good fall flying days.

See Ya at the field, JIM HANEY

Below is a shot of Howard Shire's Chipmunk as it takes a turn over the field. Looks like it was doing well up in the air.



TRI-LAKES FINANCIAL STATEMENT 2012			
		SEP	Y T D
BALANCE	9/1/2012	\$1,255.23	\$ 1,566.05
INCOME-DUES -----		\$ 80.00	\$ 1,165.00
INCOME-SHIRTS&CAPS		\$ 20.00	\$ 20.00
INCOME-FOOD -----		\$ 11.20	\$ 57.70
INCOME-50/50 -----		\$ 4.00	\$ 39.50
INCOME-MISC -----		\$ -	\$ 5.60
EXPENSE-FIELD -----		\$ 103.54	\$ 1,163.83
EXPENSE-NEWSLETTER		\$ -	\$ -
EXPENSE-SHIRTS&CAPS		\$ -	\$ -
EXPENSE-FOOD -----		\$ -	\$ 75.03
EXPENSE-AMA -----		\$ -	\$ 105.00
EXPENSE-Web -----		\$ -	\$ 120.00
EXPENSE-meeting room		\$ -	\$ -
EXPENSE-MISC -----		\$ -	\$ 123.10
BALANCE	10/1/2012	\$1,266.89	\$ 1,266.89

THE EDITOR'S NOTE PAD

Don't forget the last Fun Fly of the year on October 13th, it could be your lucky day. Last chance to win Top Gun 20012 points!

We do have a location for the December meeting and Christmas Party so come to the October meeting on the 9th for details.

We had a good safety discussion on how to keep the planes out of the pit area and if we can devise workable barriers that will be great, but there are other ways to help us out in this area. *One good sensible thing to do, especially if you are a new pilot or even an experienced pilot with a new plane, is to use a spotter. This will let you concentrate on flying the plane and the spotter will let you know if the plane is straying out of line. *Another thing you can do is stand in the middle of the runway on take off. It is much easier to take off straight down the runway if you are behind the plane instead of off to the side of the plane. This is perfectly OK if there are no other planes flying and you have a spotter to guide you back to the flying station and can let everyone else know what is going on. *Like driving a car, we need to develop reflex actions. When in trouble get off the throttle! When taking off and you're getting out of line get off the throttle and abort. When you find you are heading toward the pit area cut the throttle and turn away from the pits even if it means putting the plane in the ground—it's better than hurting someone. **Don't even think about cutting the throttle, just do it.** Even if you are three mistakes high a plane without power is much easier to get back under control than one moving swiftly!

Below is your editor's newest project. It is made of blue fan fold foam from Lowes. It has a 6 foot wing-span and hopefully weigh less than 3.5 pounds when ready to fly. It will be call a Tellefoam! More later.

Time to land for this month.....ed.



MEETING MINUTES

TRI-LAKES RC FLYING CLUB

SEPTEMBER 11, 2012

President Jim Haney opened the meeting at 5:55 PM, at Rocky Top Field. All Officers were present. There were 9 members present including the Officers. No guests were present. Erv Rohde won the 50/50 split the pot. He received \$4 of the \$8 pot.

Committee Reports:

Treasurer Roy Steinestel reported that there was \$1,255.23 in the bank as of September 1st.

The minutes of the August meeting were approved as printed in the September Newsletter.

Old Business:

President Jim Haney said the date for the Club Christmas party at Ivy Jean's Ozark Homestead has been set for December 4th at 5:30 PM. A firm headcount will be requested from the Club members. (See President's Corner for change. Ed)

New Business:

Vice President and Safety Officer Gene Fuson said there is a safety issue with planes that get into the safety fence, or through the openings in the safety fence or even over the fence. There was discussion on putting gates on the safety fence openings and Bud Austin will look into the cost of galvanized gates for the openings.

Don Johnson showed some iron on decal material for light colored cloth that he got at Wal-Mart. It comes packaged, 6 sheets – 8.5 by 11 for \$8.50. John Woods will send Don the Club Logo and he will try it out and see how it works.

Program:

Gene Fuson passed out the Certificates for the winners of the August Fun Fly.

John Woods showed his Drake sea plane that he picked up at a swap meet several years ago. He will convert it from wet to electric power.

John also told how to determine if there is alcohol in gasoline. **Alcohol in Gas Test:** 1. Mark a small transparent bottle with a 1/3 mark. 2. Fill with water to the 1/3 mark. 3. Add gasoline so the container is almost full and shake the bottle vigorously. 4. Let the container set for 5 minutes. 5. If the volume of water has increased above the 1/3 mark, alcohol is present. You may see a distinct separation between the water and gasoline.



Above is another shot of John Woods' Patrick Team Edge as seen on the front page. Below is the maiden flight of Roy Steinestel's electric Hots fun fly plane with about a 50 inch wing span. Flew well with test pilot John on the sticks.



OCTOBER 13TH FUN FLY

FIRST EVENT WILL START AT 11:00 AM

BBQ AFTER THE Fun Fly

There will be three events.

Event 1. MINUTE TO WIN IT In exactly one minute take off from plate, do as many loop-roll sets as possible, land and have plane stop on or over the plate. Earn 5 points for each loop-roll set and lose 2 points for each second more or less than 60. High score wins. Timing help not restricted but beware of false timing input, free speech you know.

Event 2. JOHN'S DEAD STICK LANDING Mark a circle on the runway. The contestant takes off and circles a couple of times then on the back stretch, he kills the engine and glides in to the circle. The engine/motor must not be running as the plane passes the circle on the back stretch - you will be turning the plane on final when it is dead. Closest to the circle wins.

Event 3. THREE MINUTE LANDINGS Time starts when plane starts to move. Take off from square, do a loop, land and stop within the square (all three wheels). Repeat the sequence for a total of 3 minutes. Pilot with most landings stopped in the square within the 3 minutes wins. Tie breaker for first place only. Take off from square, do a loop, land and stop within square. Shortest time wins tie breaker. Pilot must be in pilot station when plane is underpower.

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

TRI-LAKES R/C FLYING CLUB

PRESIDENT

JIM HANEY 231-1981

VICE-PRESIDENT

GENE FUSON 538- 9346

SECRETARY

DON JOHNSON 779-5340

TREASURER

ROY STEINESTEL 739-4692

SAFETY OFFICER

GENE FUSON 538- 9346

FIELD MARSHAL

BUD AUSTIN 561-4466

INSTRUCTORS

ERV ROHDE 538-2439

HOWARD SHIRE 779-5069

JOHN WOODS 338-8419

SAFETY FIRST

There have been several "incidents" of overflying the pit areas and parking lot at the field. Also, more than a couple of "close" calls of endangering some bystanders. After some discussion at the last meeting regarding barriers and so forth, I think the general consensus was that pilots need to be more aware of exactly where they are flying, and that spectators should not take their eyes off of the flying field when someone is flying. In other words, do not turn your back on the field. In the meantime we are exploring the use of gates in the gaps of our safety fence. Pay attention if you are a spectator, and if you are a pilot, be aware of the path your airplane is flying.

See you at the field,
Gene Fuson
Safety Officer

**THE NEXT CLUB MEETING WILL BE
OCTOBER 9TH, 6:00PM, AT ROCKY TOP
FIELD. IN CASE OF SEVERE WEATHER
MEET AT THE COACHLIGHT VILLAGE
CLUBHOUSE.**