



KNOX COUNTY RADIO CONTROL

December, 2004 -- Knoxville, Tennessee --AMA Chapter 594  
Newsletter..jimscarbrough@charter.net --- Letter available online at  
www.rcpattern.com

I welcome all items to be placed in the newsletter. Send by the 20th of the month.

Officers for 2005 will be elected at the December meeting.  
Nominees are listed page 4 below for your consideration.

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Editor.....Jim Scarbrough..Phone 986-3857



### PROPWASH

Part 3: In parts 1 and 2, we examined what BPL (broadband over power lines) is and what our radio transmissions look like. In this installment, we will look at the efforts by the BPL folks to avoid radio contamination with amateur radio, as well as with emergency transmissions and R/C.

As I have pointed out, the BPL people (such as AT&T) are working on solutions to BPL interference with radio transmissions. The material here is taken from an article by Mark David, Editor-in-Chief of *Electronic Design*, who interviewed Irwin Gerszberg, director of local network access technology for AT&T. Gerszberg asserts that BPL interference can be overcome by controlling transmission power (the higher the power, the more spurious radiation), radiation pattern and modulation techniques.

Second-generation BPL will transmit in the 30-50 MHz frequency range -- potentially bad for ham radio users who transmit in the 50 MHz (6-meter) band, but not for R/C pilots on 72 MHz. The original BPL trial systems used spread-spectrum technology (over a wide range of frequencies), causing problems in the high-frequency (HF) ham bands.

In addition, new technology will help, also. The PBL signal will be sent to neighborhoods over fiber-optic cable (pulses of light rather than electronic voltages), which will eliminate radiation from those lines. At neighborhood junctions, BPL will use a "triple-play" of technology: fiber optic, power lines, and WI-FI (wide-area fidelity, as is currently used for coffee shop "hot spots" for laptops & PDAs). Upon arrival at a neighborhood (aka "local area"), the signal will be sent over power lines with repeaters every 500 ft., so that the transmission power is very low (part 1 on Gerszberg's triple-play). From a repeater, the PBL signal will be transmitted into homes & businesses via WI-FI, which is a radio frequency, but since it only has to go 200-250 ft., the transmission power is also low, and will not cause interference. Also, the modulation of WI-FI can be manipulated so as not to cause interference. These are the last two parts of Gerszberg's triple play.

There are also efforts to put high-frequency signals on power lines with much-reduced leakage on the line, itself.

( Continued on page 2 )

# At the Field

The last Hoorah!!!

I guess that the big spur of the moment picnic we had on October 30th was pretty much the end of the social season for KCRC.

At the October meeting, there was a small groundswell of support for a get together of warbirds for the last Saturday of the month. It had been talked about among a few of the members, but when it was brought up, there was first a motion to include all kinds of models, and then it was brought up that we had not had a picnic this year, so one thing lead to another and before you could crank a balky engine, we had a full bore feed lined up!

Unfortunately, a few members didn't find out about it,



although a notice was put out on the KCRC email list and word of mouth got most folks informed of it. Now aren't you sorry you didn't come to the meeting? Maybe this will encourage members to come to meetings.

We had about 40 eaters who came to the feed. Denny Evans smoked a Cajun ham, Mike Rogers did a couple of deep fried turkeys, and a lot of covered dishes by the attendees made up a heckuva good fall meal. Every one got a full belly and an earful of wind. There was a ~ 40 mph wind blowing most of the day so only a few brave souls flew models.



TJ Albert sent me some pictures that I'm including in the newsletter. I took my camera bag but the camera wasn't in it! The first is of the flightline showing the planes that for the most part did not fly. . The next is Jamie Evans daughter ( Denny's pride and joy ) getting the last drop. She had a very good time, I think. A very friendly little one.

## KNOW YOUR BYLAWS

As an organization grows in membership communication becomes increasingly important to the orderly progression for representation in, and enjoyment of, the Club's chartered objectives, i.e., "to provide for the orderly environment, safety, and enjoyment for members to pursue all aspects of their hobby/sport of Radio Controlled Model Aircraft."

KCRC's membership has grown to about 130

individuals in good standing, however like many organizations, a small core group of individuals attend meetings, work parties, and/or contribute meaningfully to the overall effectiveness and benefits of membership. There exists a multitude of valid accountable reasons for these lacks of participation, some of which may be that some individuals feel that their voice or suggestions may be ineffectual. They thus remain silent or resentful, due to a lack of a forum to present their views, ideas, or suggestions feeling that their voice will not receive solemn attention.

Your elected officers do an excellent job of implementing their duties of managing the Club's affairs, however lacking feedback from the entire membership mandates that they must oftentimes second guess what is most desirable. The core group cannot be expected to implement all activities.

For all who feel that their voice is lost among a smaller voting minority, your new Bylaws provide a methodology for obtaining serious consideration of any non-frivolous suggestions presented for study. Failing to utilize this entitlement simply encourages a continuing status quo on your part. The entitlement referenced is found in Article XII, MEETINGS, and Para. 3. Which states as follows.

The purpose of the following is to provide any individual member, or group of members, to request the Executive Committee to give formal recognition, study, and potential implementation to a proposal for action beneficial to the Club. Any member of the Club may initiate a formal request for action by the Executive Committee by submitting a written proposal to the President.

The proposal shall include a written description of the nature, type, and extent of Executive Committee action recommended. The Chairman of the Executive Committee shall forward copies of the proposal to the other members of the committee for their consideration and recommendation. Either the Chairman, or any other committee member, may have the matter placed upon the working agenda of the next Club meeting.

The entitlement is yours to exercise. Anyone not utilizing this provision, is thus by their silence considered as giving tacit approval to the existing Club actions. Attend meetings and become involved.

Ray Le Blanc

Chairman Bylaws Committee.

(Continued from page 1)

Finally, there is a new technology called orthogonal frequency-division multiplexing (OFDM) that can detect the frequencies of other transmissions in the local area, and "work around" them by changing the frequencies used for BPL. So, while the ham guys may still claim there will be problems with BPL, I do not think there will be for we R/Cers, and probably not for them, either.

Meanwhile, this is The Wingman, turning final...

KCRC President--- Phil Spelt

## MINUTES FROM NOVEMBER MEETING

The November 9, 2004 meeting of the Knox County Radio Control Society was held at the Deane Hill Recreation Center in Knoxville, Tennessee. President Phil Spelt called the meeting to order at 6:57pm and welcomed all members and guests to the meeting. The meeting minutes from the October meeting were passed as read in the newsletter. Joel Hebert presented the Treasury report. There were no reports from other officers. There were 25 members present.

We had 2 new members at the meeting. They are Dave Marsden and Denil Shekat. Welcome!

There was a report about the application for Gold Leader Status with the AMA. It was reported that all the paperwork was sent into the AMA.

The plaque that is to be presented to Doug Bataille has returned from the AMA and was shown to the members present. The plaque will be presented later.

### OLD BUSINESS

There was a short report about the mid-air that happened during the last contest. It was reported that the fuselage from one of the lost aircraft was found. It was noted that Skip Dishner found what was left of the plane and returned it to Dennis Hunt, who, in turn, contacted the owner. After stripping the fuselage, the engine, receiver, servos and pushrods were sent back to the owner. The owner appreciated getting the items back. Thanks Skip!

David Dabbs reported that there are plans being made for the next float fly, which is scheduled for May 14 & 15, 2005. One of the sites that Dave has been looking at is the Marina at Oak Ridge, and he said he would see if we could have the event there. Dave said that he and Phil Spelt would co-CD the event and would work out the details and contact the AMA so it can be advertised in the magazine. There is also talk of having another float fly in September, around the 24<sup>th</sup>, which will be a one day event. Details as they become available!

The next order of business was the warbird fly in, which was held October 30, 2004. There were a few people that brought out planes but it was so windy that most did not fly. The Club picnic was also held then and approximately 43 people came to the picnic. There was numerous aircraft, including an aero tow by Jerel's Cub of Paul Funk's glider, which went quite well. There was lots of good food. Thanks to all that brought food and special thanks to Denny for cooking the ham and Mike Rogers and his wife for cooking 2 turkeys. Not a bad turnout considering the event was planned on such a short notice. It was noted that there was much interest in planning another warbird fly in for next year. Phil Cope was asked if he would co-ordinate the event at a date to be determined later. Stay tuned for more information.

### NEW BUSINESS

A question was raised about having an auction at the December meeting. It was noted by one member, that in the past, there was little interest in having an auction because most of the members didn't have any money since it was so close to Christmas. And we tried a flea market too. It seemed to work well. Ed said that in the past, the auctions have worked well. A vote was taken among the members present and it was passed that we have an auction at the December meeting. Bring your stuff..... let's have some fun!

The next order of business was a report from the Election committee on the nomination of officers for the 2005 season,

which we will vote on next month. The people who said they would run for office are: for President: Phil Spelt, Vice President: Dave Dabbs and Gary Linder, Secretary: Mike Foley, Treasurer: Joel Hebert, Historian: Joel Hebert, Safety officer / Sergeant at Arms: Bill Walters and Kenny Greene, Board of directors: Ed Hartley, Dennis Hunt, Ray Le Blanc and Don Eiler.

The next order of business was a short discussion about the dues structure for the 2005 year. A motion was made to set the dues at \$48 for regular membership, \$60 for family membership, \$24 for student membership, with a \$5 late fee per month with a maximum of \$10. Dues would be due and payable on January 1<sup>st</sup> and be considered late after the February meeting. After a short discussion among the members present, a vote was taken and the motion carried. This will be voted on at the next meeting also.

Next on the agenda, was a bit of Tech Talk from Dennis Hunt, who brought out a case of 3M Super 77 spray adhesive, which is compatible with foam, but is no longer being made in the US because the people of California said that the spray causes cancer. Dennis said that he found that the same thing is being made in Canada and can be imported into the US. Dennis said he located a supplier and he had to buy a case to get it, and that he had 6 cans of his surplus supply to sell.

The next order of business was a short discussion about where we would like to have our banquet in January. At first, it was asked that members look for a place to have our banquet, and it was brought up that most enjoyed the food at the Super China Buffet in Oak Ridge. A motion was made and seconded to have the banquet there. A vote was taken and was passed by the members present. So mark your calendar for the second Tuesday in January. Dennis Hunt said he would make reservations for us. Thank you Dennis!

### CRASH OF THE MONTH

Phil Cope told about his loss of his Morris the Knife by a battery failure. He said that he arrived at the field and his batteries were dead on his Morris the Knife, so he put it on the fast charger. Once the plane was charged, he flew it but he found that the engine wasn't running right so he landed and proceeded to change the engine out with another one that he brought with him. After the engine change, he went up for another flight and about half way thru the flight, the plane started flying itself. Phil said he had no control over the plane at all! Phil alerted everyone on the flight line that he didn't have control of the plane and a few seconds later it went in nose first at the west end of the field, between the runway and the road. He said it was stuck up in the ground; nose first, like a lawn dart, with the wing on the ground. The plane was totally destroyed. There was a little damage to the engine and several servos were damaged as well. Phil said that everything is repaired, except for the airplane. Phil said he had the same problem with the battery pack in his Zero, except it wouldn't take a charge. It was the same type battery pack, the JR 1100 mAh pack. Something to think about.....! Remember to check the condition of the battery before you fly. It could save your plane!

There were no other entries for Crash of the Month. Phil won a bottle of glue for his entry.

### MODEL OF THE MONTH

There were 2 entries for Model of the Month.

Hal Travis showed off his Bridi Super Kaos 40 that was built from a kit that he purchased in the mid 1970's. Hal said that  
`Continued on page 4

Minutes continued from page 3

he thought it would be a good step -up or second model after he learned how to fly his trainer. The plane has an extended canopy and Kraft wheels. The plane is powered by an OS .46 AX 2 stroke and covered in white and maroon Monocote. Hal said he got it up in the air last weekend and it's a smooth flyer, lots of fun. Looks sharp Hal!

The next entry was submitted by Gene Waters. It was a beautiful Top Flight 1/5<sup>th</sup> scale P-51 Mustang that was built from a kit. It features Robart pneumatic retracts and is powered by a Moki 2.1 two stroke glow engine and the plane was painted with automotive paint with hardener to make it fuel proof, panel lines and rivets made with teletype tape. Gene said that he's made a few changes to the plane as there were a few things that didn't suit him, like the cowl. Gene said he had to make a new cowl because the one that came with the kit was built solid. The one Gene built is removable so he can get to the engine and mount the muffler. Someone asked Gene how much the plane weighed and Gene's reply was about 22 pounds. Gene had some help holding the plane up so everybody could see it. Someone else asked when he was going to fly it and he said it would probably be a while, he still has to break the engine in and set the control throws.

A motion was made to give both entries a gallon of fuel since both planes were built from a kit. The motion was seconded and passed by the members present.

The meeting adjourned at 8:15pm  
Michael J. Foley, KCRC Secretary

**There will be much to do at the club meeting at 7:00 PM on Tuesday night, December 14th. We will elect officers for 2005, we will vote on the dues structure for 2005, and at the conclusion of the meeting there will be an auction held for items brought in by the membership. A good opportunity to pick up a bargain perhaps. The officer candidates are listed in the minutes as well as the proposal for the dues structure. Please attend.**

### For Sale

Novak speed control w/BEC, 6-8 cell, hi freq, 150 amp..\$20  
call Jerel Zarestky 482-7953  
email jerzee4@comcast.net

### Model of the Month

These are the contestants in the November Model of the Month contest. Top is Gene Waters great P-51 from the giant kit by Top Flight Gold Edition kit. Fine job of work.



The next is Hal Travis's Chaos from a Bridi kit.

Both kits were very well built and looked exceptionally good. Since the models were both kit built and craftsmanship was apparent in both cases, a rare situation came about and a gallon of fuel was given to both members.

I sure hope that we don't get three or four kit built models showing up on the same night!!



This is to notify you that we have lost another of the old timers that contributed so much to the formation of our club. Emeritus member Glenn "Beaver" Rhyne passed away on Saturday, November 13th, 2004 at his residence in Clinton, Tennessee, at age 70.

When I joined the club, flying off Block House Valley Road in Clinton, in the very early sixties, Glenn was already an accomplished RC pilot. He had graduated from reeds to proportional and was flying successfully in pattern contests. Ed Hartley sent me the picture above where Glenn ( on the left ), as an officer of KCRC, is awarding Jerry Black a trophy for his efforts in a contest being held at KCRC's present location.

Karl Gerth remembers Glenn as the one who rescued him several times while Karl was learning to fly. George " Doc " Shacklett remembers Glenn as the best flyer in the club at that time, as do I.

C.D. Martin, Don Eiler, Jim Clift., and Warren Oliver are a few of the other present KCRC members who were fortunate enough to have known Glenn.

Ed Hartley says that Glenn was his mentor while he learned pattern flying with a Mode 1 tranny.....

**This ballot may be used for mail in.**

**Print it out, then**

**Fill out and mail to**

**KCRC PRESIDENT Phil Spelt**

**720 Poplar Creek Rd**

**Olliver Springs, TN 37830**

**KCRC 2005 Vote**

Circle one name for each office

PRESIDENT	_____	or	PHIL SPELT
VICE PRESIDENT	DAVID DABBS	or	GARY LINDNER
SECRETARY	_____	or	MIKE FOLEY
TREASURER	_____	or	JOEL HEBERT
SAFETY OFFICER	KEN GREEN	or	BILL WALKER

**EXECUTIVE BOARD**

Circle two names

RAY LE BLANC	DENNIS HUNT
DON EILER	ED HARTLEY

Write down your AMA # \_\_\_\_\_