



# The Tickler

## *From the Prez.....*

Winter seems to be coming early this year, so much for global warming. We may still get an Indian summer I hope.

Norm W8TTH and I went to the Holland Hamfest and the Kalamazoo Hamfests this month. They were both on the same weekend this year which made it real nice. Both shows were pretty well attended although I think the Kalamazoo Hamfest was a little bigger this year, but that is just my opinion. We had a good weekend as it is nice to get away sometimes.

Next month Norm and I will attend the Fort Wayne Hamfest once again. It will be held on November 14<sup>th</sup> and 15<sup>th</sup>. We always have a real good time while at the Fort Wayne Hamfest visiting with several of our friends that also attend. This will be the last show of the year that we attend.

Shame on us, we forgot to hold the nomination last month for the club's officers, so we will have to deal with that at the meeting this month. Make sure you attend, so you can have an input into the elections.

Wayne Woods KS8I became a silent key on October 16<sup>th</sup>. He was a long time member of the club and will be greatly missed by all. I hope if you knew Wayne, you got a chance to go to the visitation and/or the funeral to pay your respects to his family.

I don't really have a lot of other things to say this month. It has been a real busy month for Norm and me. We had a 2<sup>nd</sup> birthday party for our grandson, hamfests to prepare for and attend, and an antique car show that we also attended this month. Of course, when I think of it we are never lacking in things to do.

Don't forget to check out the website at [www.w8tqe.com](http://www.w8tqe.com) and get any new information and pictures to Bob K2IBM. He is our web master and we need to support him and the club by sharing things through the website. Also, don't forget our newsletter editor, Ted K8AQM. He also needs our support by giving him articles and pictures. They both do a great job for all of us.

The meeting this month will be October 26th, I hope to see you all there.

73,  
Ginny W8TTX

## **October Program**

This month's program will be a government produced WW II short documentary on the development and deployment of a very famous WW II bomber. The program will last about 20 minutes

**It is with great sadness that we have to announce the passing of Wayne Woods, KS8I. Wayne was very active and one of the 20m snowbird gang. Certainly Wayne will be missed by all of us.**

## K8UV's 30 Meter ZL Special

30 meters is a wonderful band, it has properties of 40m and of 20m and for those of us who enjoy cw, well it's a cw/digital band with no ssb. Antennas vary on 30m and with a power restriction it's important to have a gain antenna if you want to break the pileups on DX stations and to have a loud signal domestically.

Rich K8UV has such a gain antenna. Made from parts of a Hygain 402 40m antenna, Rich has put together a "ZL Special". The ZL is a two element which is basically two dipoles fed 135 degrees out of phase. Taking his time, Rich was till able to put the antenna together in a month and at a minimal cost of about \$40.00. With the use of N8ROR's Jeep and help, the tower and antenna were raised to 35 feet. The pictures tell the story of construction. Check out page 5 of The Tickler for details of antenna analysis provided by Gerry KR8W, great stuff!

But the real test is "does it work"? Yes it does! As of October 10 Rich has 43 new countries worked on 30m including some very nice catches as Greece, Wales, Egypt (*I need that on 30..ed*), Jersey Isl, Iceland and Isle of Man! Rich rotates the antenna using the "armstrong" method with two nylon rope guys tied to the front.

Rich has a terrific take-off to EU as the land drops 75 feet in that direction.

Well done Rich but save me some 30m DX!



What a take off to Europe!



K8UV sitting in his well appointed shack!



## *AARC Club Gossip! .....*

### *Did you know that...*

...K8AQM had to ask W8TTH to lift his amplifier for him? Thanks Norm!  
 ...KR8W built his own auto antenna tuner?  
 ...K8GX's XYL plays a "mean" 88 (that's piano keys, that is)?  
 ...N8QEW and K8NP are "freezing" these days?  
 ...K8UV is very proud of his Ten Tec Corsair?  
 ...W8ZJE is 93 and still ham radio active?  
 ...K8UV gets jealous when K8AA eats his favorite doughnut before he gets to the meeting?  
 ...W8LNR and K8AQM have a "battle of wits" at lunch? That's a short battle!  
 ...Several of our "snow birds" have flown the coop already?  
 ...K8AA operates the 10m net from his Lazy Boy chair?  
 ...KG8CO has been very active chasing DX lately?  
 ...NU8Z and KG8CO both were on the 10m net this month?  
 ...N8CC has his "other" three elements up on 80m now (Verticals)?  
 ...The W8TQE/CAP antenna tower will soon be replaced?  
 ...A 1000 ft of coax will go on the JD1 expedition?.....phew!  
 ...The mice have eaten into K8AA's control cables in the woods?  
 ...This month officers for the year are nominated?  
 ...KG8CO replaced K8AQM's rotor on the big tower? Thanks Brian!  
 ...N8AMM actually showed his XYL the insides of the "white rat"? That was a mistake!

## AARC Club Minutes

BOARD MEETING: Present: Dick: K8GX; Norm: W8TTH; Neil: KC8DAR; Larry: W8LNR; Mark: NU8Z; Ginny: W8TTX; Marjie: KB8TMM; Bob: K2IBM

Topics Discussed: Hamfest report, Estate Items, Dues

### GENERAL MEETING

Roll Call: 23 present

50/50: Won by Pete KD8IJC, donated back to repeater fund

Topics: \* Joe: K8YZA; reported that there will be two emergency exercises, Wed, September 30, and Saturday, October 3. At this time no one from the club will be participating.

- Mark announced dues are still outstanding and do at this time.
- The 800 class is scheduled for sometime in late Oct, or early Nov. more on this later. It will be held at Sienna Hgts. College.
- Cletus has volunteered to host Field Day 2010 at his place.

MEETING ADJOURNED on motion by Rich K8UV, 2<sup>nd</sup> by Joe K8YZA

Ted, K8AQM presented a program on communications during the war. THANKS Ted.

Respectively submitted, Marjie KB8TMM, Sub-Secretary



## Adrian ARC Hamfest 2009

What a beautiful day for a hamfest! The weather for this year's hamfest couldn't have been any better! As you know, we no longer have dealers lining up to attend our hamfest and it has become

mainly a truck sales and inside flea market. But it has been a success as this "different type of 'fest and with all the effort put in by those who work on Sunday and the organization of Ray W8RAY and Marjie KB8TMM it has become quite popular. Just look at the isle of trunk sales and the collection of goodies.

Of course Mark NU8Z politely persuades all the trunk sellers to line up in proper order and "cough-up" their fee. Ginny and those who help her in the kitchen always manage to make sure that doughnuts are provided with coffee and the ever present hotdog for filling the empty spot of those shoppers who stay until lunch.

Dr. Bob K2IBM has provided these pictures and a great collection it is. There are some real VIP types here in photos. If I'm not mistaken that's K8TI Dan Baker checking out the trunk sales with Ken K8KIC. And of course Vince W8ZJE at 93 is inside wheeling and dealing at his table... what a guy!

As was stated at last month's meeting the total profit from this year's hamfest was \$772.41. That a real boost to our balance sheet. There were 235 paid attendees. Finally, a big thank you to all who helped on a job very well done. See you all next year at the hamfest!



## K8UV 30M Beam

### Description:

- 1) Boom 16 ft.
- 2) Reflector elements over all length = 22ft 2 inch
- 3) Director elements over all length 19 ft 4 inch
- 4) Director hair pin match is 30 inch grounded at 20inch and coax attached at 8 inch the hair pin is 9 inches wide.
- 5) Reflector 20 inch long hair pin 14 inch wide grounded at 18 inch coax attached directly to hairpin foot/base-elements (see photo)
- 6) Height over ground 32 ft., but takeoff angle of 75 ft.

Director is parallel with the Y axis. The Director is located in the positive X direction and the Reflector is in the negative X direction.

### Discussion:

The SWR Fig 4 appears to be at its minimum at a higher frequency than the 30 meter band. Wondering if the actual antenna shows something similar. If I bring the antenna down to about 4ft of the ground the SWR appears to be more favorable. Wondering if the tuning was done on the ground and then shifted when it was in the air.

I considered trying to account for the takeoff angle but I don't think there is any good way to account for this in EZNEC. The program (as far as I can tell) does not allow any input for ground contour. I suspect it is a limitation of the NEC program which almost all of the modeling programs are built on. I tried tilting the antenna to make it similar to what the antenna would see (be simply rotating the frame of reference) and the antenna got considerably worse. I tried raising it in elevation and it got considerably better. I then found some info on the web in which Roy Lewallen (the programmer of EZNEC) seemed to indicate there was no way to compensate for takeoff angle with the program.

Looks like a really good antenna with very good gain (9.21dbi at 37 deg elevation). It seems to cover quite a large azimuthal angle while still having good gain. Have fun.

73,

Gerry Herman  
(KR8W)

*Sorry I couldn't get the print any clearer on these charts..Editor*

Fig 1. Side view of 3D radiation pattern

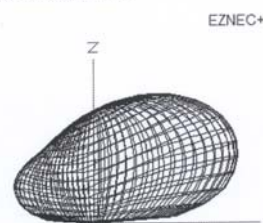


Fig 2. Top view of 3D radiation pattern

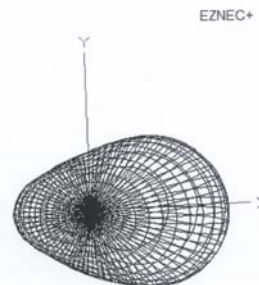


Fig 4. SWR Plot

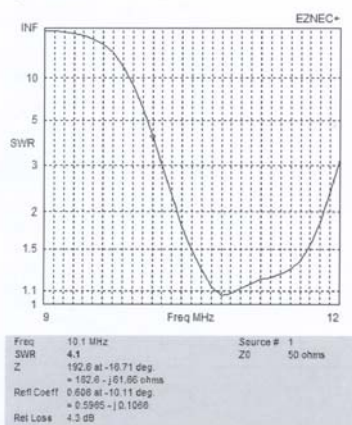
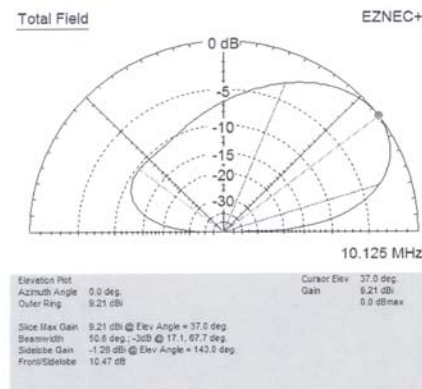


Fig 3. Elevation Plot



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The Tickler is the official paper of the Adrian Amateur Radio Club in Adrian, MI. It is printed monthly and is distributed to members of the club, local disaster officials, local electronic outlets and other editors of ham radio newsletters. Articles about activities of members are solicited. Permission is granted to any other publication to reprint items appearing here, provided complete source credit is copied including previous print source. The club owns and operates repeaters W8TQE on 145.370, - 85.4 PL or 537 from your touch tone pad and 444.675, 123 pl.

### Local Area 2 Meter Net and 10 Meter Chats

Sunday 9:00 p.m. The ARES Net on 145.370 - Ken, K8KIC -Net Control  
Tuesday 10 Meter CW Local Chat at 8:00 p.m. on 28.050 +/- QRM  
Tuesday and Thursday 10 Meter Local Chat 9:00 p.m. on 28.328 +/-QRM

### Local Area Repeaters

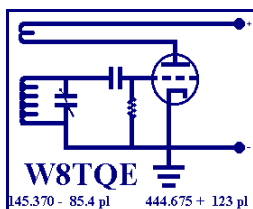
W8TQE 145.370 - 85.4 pl Adrian, Michigan  
W8TQE 444.675 + 123 pl Adrian, Michigan  
K8ADM 443.375 + 107.2 pl Adrian, Michigan  
W8TQE has access to Echo Link

### Adrian ARC 32th Annual Hamfest and Computer Show

September , 2010  
Hamfest Chair Ray, W8RAY Marge, KB8TMM

### AARC Web Page and E-mail Reflector

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**First Class**