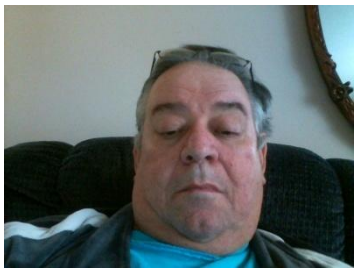
YARC-MITTER

APRIL 2012

NEXT MEETING SUNDAY APRIL15TH

PRESIDENTS CORNER



FOX HUNTING RESUMES

FOX HUNTING RESUMES APRIL 22ND,SUNDAY TIBBETTS BROOK PARK,YONKERS NY. REGISTRATION 830AM,FOX RELEASED 900AM. FURTHER INFO KF2FK @ YARC.ORG

WELL THANK GOD WINTER IS OVER AND WE CAN ALL HAVE A SIGH OF RELIEF , NO SIGNIFICANT SNOW FALL. WELL NOW TO HAPPIER THOUGHTS, FIELD DAY JUNE 23-24, FOXHUNTING STARTS APRIL 22ND. THE NEXT MEETING FOR APRIL ,AS NOTED ABOVE WILL BE ON THE THIRD SUNDAY, NOT THE SECOND ONE OF THE MONTH IN OBSERVANCE OF EASTER SUNDAY.

HAPPY EASTER

HAPPY PASSOVER

RENEW OR JOIN THE ARRL THRU THE YARC, THE CLUB GETS $2.00 FOR EVERY RENEWAL AND $15.00 FOR EVERY NEW MEMBERSHIP FOR DETAILS CONTACT WB2AUL

SWAP MEET

THE CLUB HAS FOR SALE 4- 2METER ,5 ELEMENT BEAM ANTENNAS MADE BY MAX RAD. THEY ARE COMMERCIALLY MADE AND HAVE NEVER BEEN USED WE ARE ASKING FIFTY DOLLARS EACH. IF INTERESTED, EMAIL WB2AUL@AOL. COM. IF ANYONE HAS SOMETHING HE WOULD LIKE TO SELL IN THIS SECTION PLEASE LET WB2AUL KNOW AND WE WILL BE GLAD TO LIST IT FREE OF CHARGE.

SPECIAL SERVICE CLUB

NEED HELP

WANT TO UPGRADE,NEED HELP, WANT TO STUDY BUT DO NOT WANT TO DO IT ALONE. GIVE WB2AUL A CALL, HE WILL BE GLAD TO HELP YOUY ALONG AND GET YOU OVER WHAT EVER HURDLE IS HOLDING YOU BACK. 914-969-6548

TRIVIA Exactly how bored are you? Where do people come up with these things? It took me a minute to figure out what I was supposed to do but I did it so anyone can!!

F1gur471v3ly 5p34k1ng?

Good example of a Brain Study: If you can read this you have a strong mind:

7H15 M3554G3

53RV35 7O PR0V3

H0W 0UR M1ND5 C4N

D0 4M4Z1NG 7H1NG5!

1MPR3551V3 7H1NG5!

1N 7H3 B3G1NN1NG

17 WA5 H4RD BU7

N0W, 0N 7H15 LIN3

Y0UR M1ND 1S

R34D1NG 17

4U70M471C4LLY

W17H 0U7 3V3N

7H1NK1NG 4B0U7 17,

B3 PROUD! 0NLY

C3R741N P30PL3 C4N

R3AD 7H15.

PL3453 F0RW4RD 1F

U C4N R34D 7H15.

MAY 6TH.

NEXT VE TESTING WILL BE HELD ON MAY 6TH, AT 830AM . PLEASE BRING TWO FORMS OF ID. ONE ID MUST BE A PICTURE ID. TESTING IS HELD AT THE 1ST PRECINCT ON EAST GRASSY SPRAIN ROAD IN YONKERS NY. FOR FURTHER INFO CONTACT AC2T AT 914-237-5589

RETIRED GUYS/GALS LUNCHEON

k5911965 www.fotosearch.com

THE NEXT MEETING OF THE RETIRED GUYS/GALS WILL BE HELD ON APRIL 19TH., THURSDAY AT MONT OLYMPOS RESTAURANT IN YONKERS. THE TIME IS 1200 PM NOON, YOU DONOT HAVE TO BE RETIRED TO JOIN US,EVERYONE IS WELCOME ,MEMBER OR NON MEMBER ALIKE IS INVITED. FURTHER INFO CONTACT WB2AUL @9 1 4-969-6548

ARTICLES OR PICTURE

IF YOU HAVE ANY ARTICLES OR PICTURES FOR THE YARC-MITTER PLEASE SEND THEM IN AND THEY WIL BE PRINTED. WB2AUL@YARC.ORG

N2EHG'S LIGHTNING PRESENTATION

Hi,

Nobody contacted me for any info so I'll assume that means zero interest

however just in case, I found a few photos and would be glad to have u or me forward them to anyone that wants to see these photos are on my web pages but they may be too difficult to find

some disclaimers must accompany the photos:

Remember that everyone's grounding and or lightning situation is different and therefore for proper protection and or compliance w/code if applicable, a solution must be engineered specifically tailored to everyone's individual location.

My constraints were several, building wasn't owned by me so I had to follow allot of things the building wouldn't let me do, the biggest obvious problem was being up at over 200ft so I didn't have a true low resistance path, however I did have some very good alternatives.

I did have access to the buildings I beam structure and those were deep into the soil, given the total mass of the building and the fact that the beams in my building were encased in several feet of concrete and fireproofing there was no danger. And was code compliant. It was also PE and building dept certified. my coax run to my apartment, was thru a unused 3x3foot concrete and steel riser this effectively ran thru the middle of the building and therefore created a faraday shield around my coax to which would provide not only additional grounding and interference reduction but also lighting protection

outside of my apartment this riser closet being the old electrical closet still had the grounds so I was able to use this old closet to mount my lightning protection system away from people and saving apartment space, the closet was all concrete with fire door and was already are certified for this type of work so I was very lucky the coax then goes into my apartment

the coax from the roof travels 200ft considering the lightning protection on the roof, the routing of the coax thru the concrete raceway aka faraday shield, would be that a large direct hit would probe vaporize the coax on the roof and or be diverted to ground it's unlikely any power would make it 200ft down the shaft but if it did it would find a rack of lightning protectors and I believe it would not beagle to

N2EHG'S LIGHTNING PRESENTATION

go beyond that

however the photos attached are yet another layer of protection mostly to catch any low level charges that might exist, I have the ice lightning protectors, while the stuff in my room looks sloppy the hot and protected sides never cross and are always several feet apart physically they go into a set of alpha delta coax switches which also have a small amount of lighting protection as well as being switched to ground when I am not using the rigs

my coax is also physically separated at a manual splice point when I disco the coax there is 3ft of separation

the roof side lightning boxes you see are in the installation phase those loops of coax are not present after final assembly the hot and protected coax has several feet of separation up on the roof, the larger box it's hard to see but I'll explain

you see 2 preamps, (black boxes side by side) they have been rebuilt and are sitting on a 1/2" solid block of AL, they are bolted directly to the boxes ground plate which is 1/4" steel, they are connected via a solid MM connector then a alpha delta protector which is mounted to a very large piece of 1/4" solid copper which is also bolted via similar materials to the grounding blocks, hard to see is 2 2ga copper grounding wires the smaller box has just one ICE protector mounted onto a 1/4" plate and grounded similarly

that is just a brief description of a part of my apartment grounding I think it is pretty good in a direct hit I am sure I will lose the antennas, and =

some coax I expect the radios to survive as they are physically disconnected and fully a/c protected my computers, are optically isolated and grounded for Ethernet, and sub and mica/speaker

I also have ARRL insurance just in case as with mother nature even the best protection which I don't have, can fail

hope this might help somebody from buying a new radio

REINVENTING A USE FOR MORSE CODE

Great News! No longer do you have to use the QWERTY keyboard on your smartphone. Google has introduced G Mail Tap. Two keys - a dot and dash that let you send Morse code on your phone! (This is especially great if you have big finger like me!) Check it out. THANKS RICH FOR THE EMAIL. EVERYONE PLEASE CHECK OUT THE WEB SITE BELOW

https://mail.google.com/mail/help/promos/tap/index.html

73
Richard, KC2HZW

FIELD DAY 2012

REMEMBER FIELD DAY THIS YEAR IS ON THE 23RD AND 24TH OF JUNE,A SATURDAY AND SUNDAY. ARRON W2RTV IS THE CHAIRMAN FOR FIELD DAY . I AM SURE ARRON CAN USE ALL THE HELP HE CAN GET SO TRY TO BE AVAILABLE THAT WEEKEND. WHATEVER TIME YOU CAN GIVE WILL BE GREATLY APPRECIATED, REMEMBER THE OLD ADDAGE, MANY HANDS MAKE WORK SHORT.

PLEASE GIVE US A HAND THIS YEAR

POWER LOSS AT VARIOUS SWR READINGS

An example using the chart below:

Assume your transmitter is producing exactly 100 watts to the antenna connector and your SWR Meter is reading 1.6 to 1. (See Green section in chart below)

This chart "assumes" that there are no losses in the feedline in a "perfect world".!

SWR READING	% OF POWER LOSS	OUTPUT TO ANTENNA*
0:1	0.0%	100.0%
1:1	0.3%	99.7%
2:1	0.8%	99.2%
3:1	1.7%	98.3%
4:1	2.7%	97.3%
5:1	3.0%	97.0%
6:1	5.0%	95.0%
7:1	6.0%	94.0%
8:1	8.0%	92.0%
0:1*	11.0%	89.0%
2:1	14.0%	86.0%
4:1	17.0%	83.0%
6:1	20.0%	80.0%
0:1	25.0%	75.0%
0:1	38.0%	62.0%
0:1	48.0%	52.0%
0:1	55.0%	45.0%
.0:1	70.0%	30.0%

***Percentage of OUTPUT Power with perfect antenna load**
and no other losses in the antenna system!
SWR 2.0:1 **Most transceivers start to reduce power at this SWR level**