

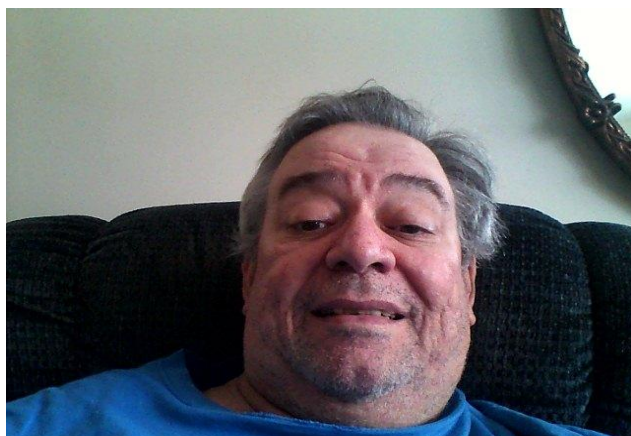


YARC-MITTER

**PRESIDENTS
CORNER**

SEPT. 9TH. NEXT CLUB MEETING

AUG. 2012



**ANOTHER MONTH HAS GONE BY
THANK GOD,NOW IF WE COULD GET
SOME MILD WEATHER TO COME IT
WOULD BE GREAT. ALL THE FIELD
DAY REPORTS HAVE BEEN ENTERED
AND THE PICTURES OF FIELD DAY
ARE ON THE WEBB SITE,WWW.
YARC.ORG. AFTER CHECKING THE FD
TOTALS WE DID GREAT, SO WE
SHOULD HAVE THE RESULTS IN THE
NOV QST. I WANT TO THANK
PERSONALLY EVERYONE WHO
PARTICIPATED IN THE EVENT AND
MADE IT A GREAT SUCCESS.
REMEMBER THE NEXT MEETING WILL
BE HELD ON SEPTEMBER 9TH. HOPE
TO SEE EVERYONE THEN.**

73'S JOHN WB2AUL

SWAP MEET

**THE CLUB HAS FOR SALE 4—5
ELEMENT 2METER BEAMS, MADE BY
MAXRAD. THESE ARE COMMERCIAL
BEAMS AND HAVE NEVER BEEN
USED. THE ASKING PRICE IS 50.00
EACH. FOR FURTHER INFORMATION
CONTACT WB2Aul**



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



**NEED HELP,
HELP STUDY
ING FOR UP-
GRADE . GET
IN TOUCH
JOHN,
WB2AUL,HE
MIGHT BE
ABLE TO
HELP YOU**

STUDY AND PASS YOUR EXAM.

NEXT VE TESTING WILL BE HELD ON AUG. 5TH., 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



AUG. 5TH

RETIRED GUYS/GALS LUNCHEON

THE NEXT MEETING OF THE RETIRED GUYS/GALS WILL BE HELD ON AUGUST 16TH THURSDAY AT MONT OLYMPOS RESTAURANT IN YONKERS. THE TIME IS 1200 PM NOON, YOU DO NOT HAVE TO BE RETIRED TO JOIN US, EVERYONE IS WELCOME ,MEMBER OR NON MEMBER ALIKE IS INVITED. FURTHER INFO

CONTACT WB2AUL

914-969-6548

KF2FK—MIKES AIR GUN,

IF YOU WERE AT FIELD DAY THIS YEAR YOU MAY HAVE NOTICED MIKES AIR GUN LAUNCHER FOR THE LONG WIRE ANTENNAS. IT WAS A SPUD GUN LAUNCHER WHICH HE AND HIS SON JOEY PUT TOGETHER TO SHOOT THE LONG WIRE ANTENNAS OVER THE TREE LIMBS, IT WORKED GREAT, THEY WERE ABLE TO GET THE ANTENNAS UP ABOUT 40 FEET IN THE AIR. DIRECTIONS FOR ASSEMBLY WILL BE IN FUTURE ISSUES OF THE YARC-MITTER. MIKE REPORTS IT WAS RELATIVELY SIMPLE TO BUILD AND HE HAD FUN BUILDING AND TESTING IT WITH JOEY.

FIELD DAY REPORT

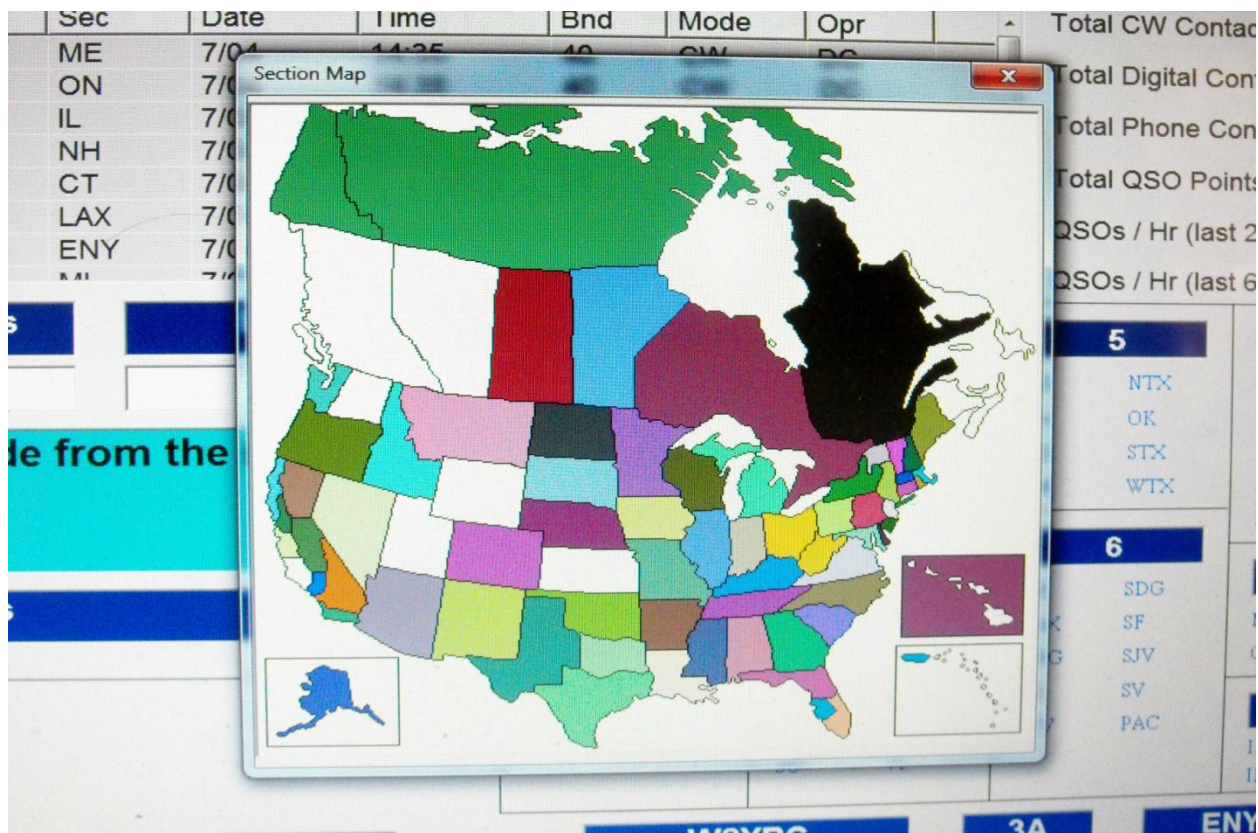
DAN AA2HX AND MYSELF, WB2AUL ARE IN THE PROCESS OF DOING THE DUPE SHEETS AND THE OTHER PAPERWORK WHICH HAS TO BE SUBMITTED TO THE ARRL. WE HOPE TO HAVE EVERYTHING OUT BY JULY 7TH. THE PICTURES OF FIELD DAY WILL BE POSTED ON THE CLUB WEBSITE, WWW.YARC.ORG

ANY ARTICLES/PICTURES

ANY ARTICLES.PICTUES WILL BE WELCOMED TO BE PRINTED IN THE YARC-MITTER, JUST SEND THEM TO WB2AUL@YARC.ORG

FOX HUNTERS

THE NEXT FOXHUNT , SEPTEMBER 23,2012, SUNDAY. TIBBETTS BROOK PARK, YONKERS NY, REGISTRATION 830 AM, FOX RELEASED AT 900 AM.



FIELD DAY CONTACT MAP

THE MAP ABOVE REPRESENTS ALL THE STATES THAT THE YONKERS AMATEUR RADIO CLUB CONTACTED DURING FIELD DAY 2012. THE STATES COLORED IN REPRESENT CONTACTS ,THE WHITE AREAS REPRESENT STATES NOT CONTACTED,INCLUDING THE GREAT LAKES. YOU ALSO HAVE THE CANADIAN PROVINCES REPRESENTED.

2011		2012	
CW POINTS	992	CW POINTS	970
DIGITAL POINTS	582	DIGITAL POINTS	752
PHONE POINTS	402	PHONE POINTS	322
TOTAL POINTS	1976	TOTAL POINTS	2044
MULTIPLIER X	2	MULTIPLIER X	2
TOTAL	3952	TOTAL	4088

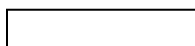
YONKERS AMATEUR RADIO CLUB FIELD DAY 2012

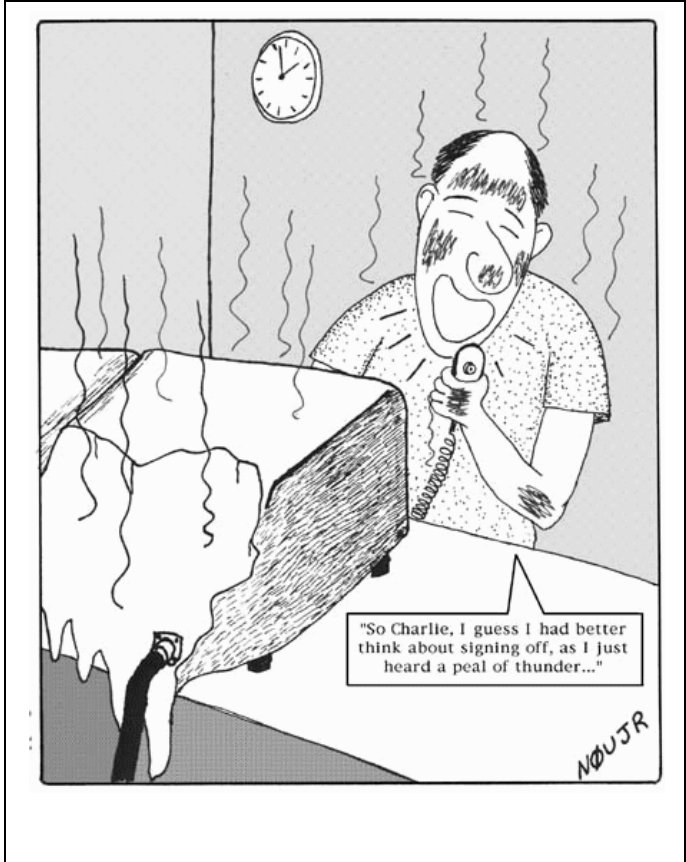
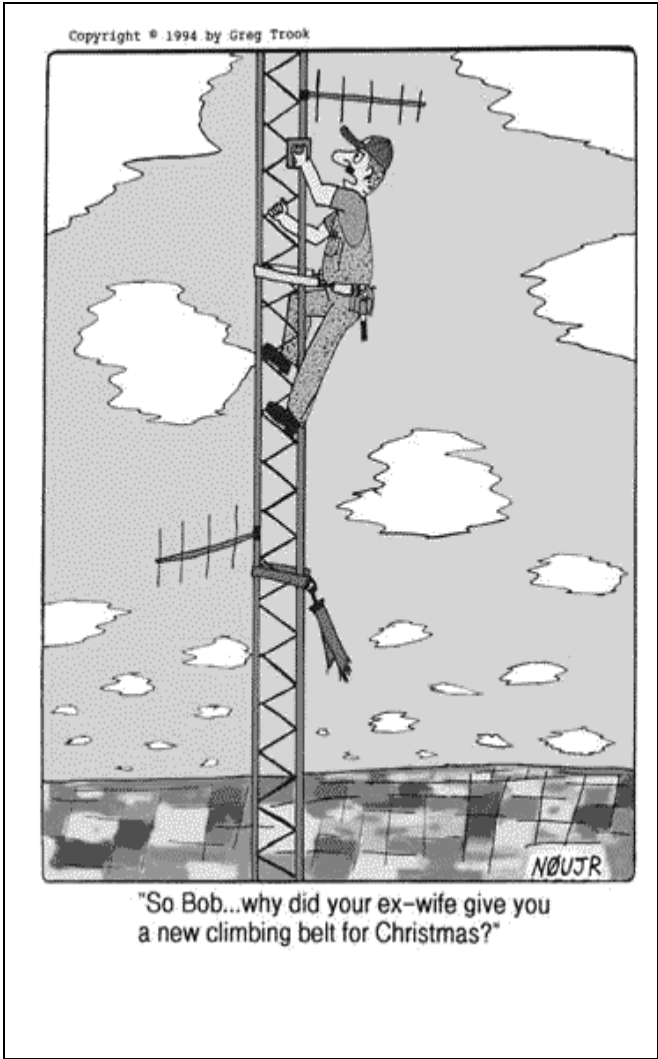


ALL THE TIGERS TRYING TO GET POINTS



MORE PICTURES AVAILABLE AT CLUB WEB SITE





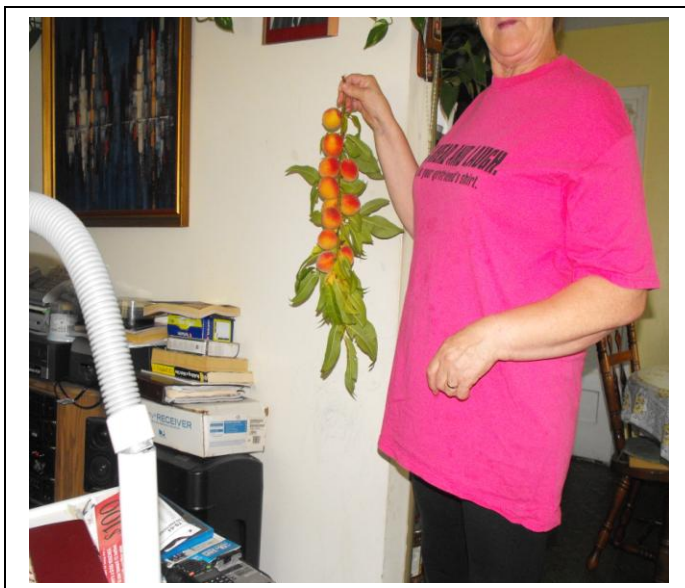
**AN OM IS INCOMPLETE until
HE GETS AN XYL.....
THEN HE IS FINISHED!**



A HAM BEFORE THE HONEY DUE DAYS

FARMERS MARKET

**BELOW IS A PICTURE OF A BRANCH
OF 13 PEACHES THAT BROKE OFF
DURING A STORM, THERE ARE 13 PEACHES
ATTACHED, MY WIFE GREW 5 PEACH
TREES FROM REGULAR PITTS FROM THE
MARKET.**



**THANK YOU---HI BOB
THANK YOU FOR YOUR EMAIL
ABOUT ENJOYING THE YARC-
MITTER, I REALLY ENJOY
PRODUCING IT AND APPRECIATE
YOUR THANKS. , I REALLY
APPRECIATE IT. AND KNOW
THAT THE OTHERS IN THE CLUB
ENJOY IT AS MUCH AS YOU.n,**

**I just hope that the others that
enjoy the YARC-Mitter tell you so.
I am sure many do enjoy it but I
will bet few let you know.**

**If you like, please post the
following in the YARC-Mitter**

**To YARC,
FROM-BOB CREPAUE—WB2SHZ**

**I do not get on the air much and
seem to be away on weekends so
I can't make the monthly meeting.
When I do get on I am always
meet by a friendly voice of a club
member. I would like to thank the
club for the fine repeaters and
work done by the executive board
and members. Special thanks to
the editor of the YARC-Mitter.**

N2EHGS' TECHNICAL CORNER

DC Power Distribution:

Most hams in the past may have had modest needs for DC power. Typically they may have a radio, connected directly to a small power supply. In recent years more gadgets have become available to hams, and so the power demands increased.

When I first started out all I had was a small low power radio and a small power supply, directly connected. Today, I am interested in EmCom, and powering a lot of devices besides just a low power rig. Twisting wires together at the back posts of a power supply is not good.

Lets look at a few things a modern ham may wish to enjoy today:

EmCOM: If you wish to have your station automatically and instantly switch over to battery backup, whats the best way to accomplish this? See photo. One device I use, certainly not the only way, but one i've enjoyed was the SuperPowerGate. It allows you to connect your load, battery, and pwr supply. It will automatically charge and float your batteries as well as manage switching from your power supply to the batteries if the main power fails.

BackUP Power:

It may be a topic of another article, but if you wish to have batteries powering your station, sizing , charging them and keeping them at proper temp etc is something that must be engineered, at best a poorly designed battery system won't work or kill the batteries, at

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worst the batteries can explode. Sizing your batteries or generator properly is important and is also a topic for another time, but suffice to say both as a ham and as a professional working in the field a large majority of times back up power is not designed /sized properly and I mean not even close.

See Photo , note in the photo with the battery, it may be hard to see, but the white styrofoam with the white wire is holding a temp sensor that goes into a temp controller, if the battery gets to hot or cold it will disconnect the battery , it adjusts charging according to temp, it will also alarm and email me problems. You will also note on the top a small black temp sensor which is a backup redundant safety, and lastly in the front a cheap but effective glue on thermometer so i can see the temp directly. This is a 100amp battery and is used for my low power rig. At 1w on 2m, I can operate a really long time.

Easy Connectors:

Also worth mentioning is this device(RigRunner) uses Anderson PowerPoles, I won't get into the argument if those are good or bad, again they are not the only connectors around but quite common, and used in EmCOM situations. In general I use them alot around the shack.

Accessories:

Hams today also have watt meters, keyers, LED-lights, mic preamps, amplified speakers, rig to pc adapters, antenna switch units, etc etc all of which use DC power 12v+.

Radios:

Many hams have more then one rig, perhaps a 2m and or 440 radio 20 to 50watts, drawing a fair amount of amps, as well as a HF rig, that can be easily 100watts and requiring a good 20amps or more.

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So how do you power such a set up without requiring a rack full of supplies and a rats nest of wires? How do you distribute and protect that DC power?

One easy way is to use a product such as the RigRunner, MFJ also makes a similar unit, (see photos).

These photos of my Bronx shack, show a 100amp cable guide, and a 80amp rigrunner, along with a MFJ 40amp diso buss. It is mostly all Anderson powerpoles, and is all clearly marked on the cables. See photos, showing different styles of cable marking, printing on heat shrink, laser tabs, but you can also use a label maker . Try to avoid masking tape, it falls off and leaves gooey muck.

Also notice that zip lock bag tied to the cable, that is a bag of spare fuses, you don't want to fumble around for spares in the middle of an emergency or contact!

Most all wires are routed inside the cable conduit, the loose wires are for short term experimenting. What you don't see in the photos are dual stacked Analog Astron 75amp supplies . All wires are tied down, all Anderson connectors have plastic locks and strain relief .

The other side of my shack has a secondary position, mostly lower powered 2m, 220, 440,900mhz etc etc devices and meters, but as you can see I have a near duplicate power distro system, remember at DC you can't really have long runs of wires. This also affords me redundancy in case of a failure and in my case, I have so many device that demand DC power, that I ran out of plug space.

Having everything in front of the operating position, showing the DC

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power on a meter, fuses in front, and marked cables , battery and power status lights, make operating and trouble shooting a breeze!! IT also helps eliminates accidents, like crossed wires or overloading the main buss.

Hope you found this interesting and helpful, if you wanted to design a system like this perhaps more complex or more basic please feel free to email me and I'll be happy to help.

Disclaimer, I am not suggesting that they way I have my shack set up is ideal nor the way yours should be, it's just something that I found helpful and sharing it, in case anyone else can benifit. Also pay attention to your local town codes, using any significant type of UPS or battery backup might require FireDepartment notification, and emergency kill buttons. Run all AC/and DC wires according to your local laws.

73's=

N2EHG