



YARC-MITTER



NEXT MEETING SUNDAY DEC. 8TH.

DEC. 2013

THE OFFICIAL NEWSPAPER OF THE YONKERS AMATEUR RADIO CLUB

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**MERRY CHRISTMAS HAPPY
CHANUKAH**



MEETING LOCATION

**THE LOCATION, GRINTON
WILL LIBRARY, 1500
CENTRAL PARK AVE
YONKERS NY---12 NOON
THE FLYNN ROOM**



**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. 914-969-
6548**

ARRL DECEMBER CONTEST CALANDER

December

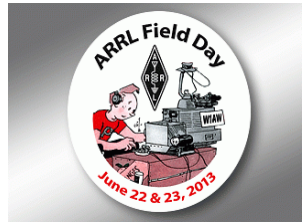
6-8 [160 Meter](#)

14-15 [10 Meter](#)

22 [Rookie Roundup-CW](#)

VE'S WANTED. IF YOU'RE A ARRL REGISTERED VE. PLEASE SEND A EMAIL TO WB2AUL@AOL.COM, SO WE CAN PUT TOGETHER A UPDATED LIST OF VES IN THE CLUB.

HAM HUMOUR



2013 RESULTS

THE FIELD DAY RESULTS ARE IN AND THE YONKERS AMATEUR RADIO CLUB CAME IN 170 OUT OF 350 IN THE 3A CATEGORY NATION WIDE. IN THE ENY COMPETION WE CAME IN 6TH PLACE

ARTICLES----IF YOU HAVE ANY ARTICLES OR PICTURES YOU WOULD LIKE TO HAVE PUBLISHED IN THE YARC-MITTER,JUST SEND THEM TO WB2AUL@AOL.COM, AND WE WILL MAKE SURE THAT THEY ARE PUBLISHED

PRESENTATIONS----WILL BE RETURNING TO THE MEETINGS, IF YOU HAVE SOMETHING YOUR INTERESTED IN AND WOULD LIKE TO SEE IT PRESENTED AT A MEETING OR IF YOU HAVE A PRESENTATION YOU WOULD LIKE TO GIVE AT A MEETING, LET WB2AUL KNOW AND HE WILL MAKE ARANGEMENTS TO HAVE IT.

DECEMBER presentation will be On the diode, the presenter will be HY CHANTZ,W2HY, SO PLEASE COME TO THE MEETING AND ENJOY HY'S PRESENTATION.



YARC-MITTER

TO QUOTE A FAMOUS OLD YARC
TREASURER, ARMANDO COSENTINO,
DUES IS DUE---ITS THAT TIME OF YEAR
WHEN THE CLUB DUES ARE COLLECTED.
PLEASE MAKE ARRANGEMENTS TO PAY
YOUR DUES AT A CLUB MEETING, OR BY
SENDING YOUR DUES IN TO THE CLUB AT.

**A YONKERS AMATEUR RADIO CLUB
PO BOX 378
CENTUCK STATION.10710**

**B GIL LUGO. K2YNY
33 TYNDALE PLACE
YONKERS N.Y. 10701**

**PLEASE MAKE CHECKS PAYABLE TO THE
YARC**

MERRY CHRISTMAS



HAPPY CHANUKAH



THE NEXT VE TESTING WILL BE HELD ON DEC.
1st,
AT 830AM . PLEASE BRING TWO FORMS
OF ID. ONE ID MUST BE A PICTURE ID and A
PHOTO COPY OF EACH
TESTING IS HELD AT THE 1ST PRECINCT
ON EAST GRASSY SPRAIN ROAD IN
YONKERS NY. FOR FURTHER INFO
CONTACT WB2AUL JOHN 914-969-6548. IF
YOU CAN HELP AS A VE ON SUNDAY,

RETIRED GUYS/GALS LUNCH

THE NEXT MEETING OF THE RETIRED
GUYS/GALS WILL BE HELD ON DEC.19th,
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 ARE INVITED. FURTHER INFO
CONTACT WB2AUL @9 1 4-969-6548

CLUB NETS

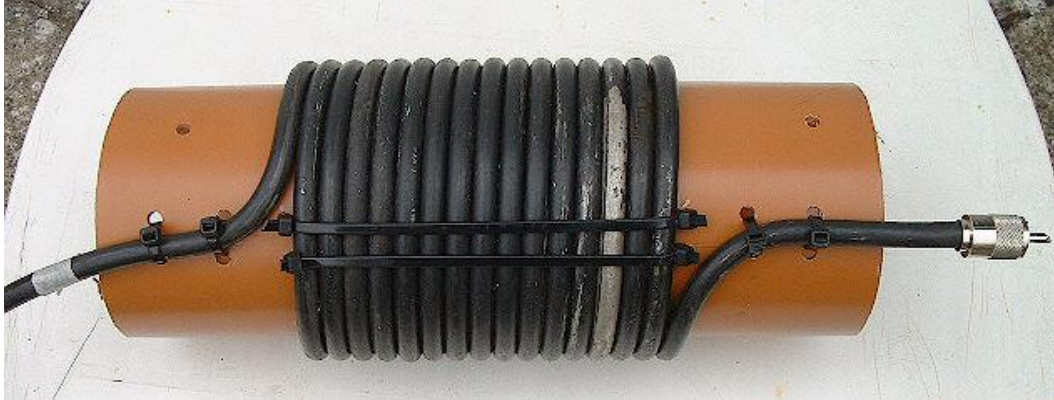
**MONDAY—730PM—
INFORMATION
NET\
K2JJ MODERATOR—146.865—
PL110.9
WEDNESDAY—800PM—
TECHNICAL NET\
WB2AUL MODERATOR---
146.865—
PL110.9
THURSDAY—800PM—JUNIOR
OPS
NET
KF2FK MODERATOR—
146.865—
PL110.9
SUNDAY---700PM—10 METER
NET—28.456MHZ—USB—
WB2AUL**



The N7ATA "Ugly Balun in Real Life"...thanks Dan!



Courtesy of G4APL (see info below)



Courtesy of G4APL (See info below)



Courtesy of G4APL.
(Air choke used on Mosley Mustang Mark3 3 element 10,15, 20 metre trapped Yagi)



G4APL Ugly Choke Balun inline with the GB7CIP Pactor Trapped HF Ground Plane

Another Ugly Choke Balun by G4APL

Paul, G4APL, has brought together some excellent examples on how to construct and build Choke Balun in the pictures above and the information below to share with us:

Paul decided to build two or three of them, depending on what material could be found in the shed.

The idea was to add a balun to the HF beam, a Mosley Mustang Mark3 3 element 10,15, 20 metre trapped yagi. This is fed with co-ax and has the Mosley earth strapped at the feed point. The beam has been adjusted for the low end of the HF (High Frequency) bands.

Paul had used a commercial balun in the 1970's before and burnt this one out. It was supposed to be rated to 1 kilowatt pep. (peak envelope power).

Using the information material from the instructions for the "Ugly Balun" above, it was time to see what was in the shed.

A short length of 4 inch drain pipe was located that was left over from the 90 foot of drain pipe laid underground that carries the RF cables. Also found a 2 inch piece of down pipe.

Materials: HF Beam Balun

12 inches length of 4inch diameter PVC drain pipe

cable ties

18 foot of RG58

two suitable cable plugs

Having got all the required tools out, it took Paul and hour to build the Ugly Choke Balun as pictured above.

The HF Balun is attached vertically to the Stub Mast at the Mosley Mustang Mark3 beam.

Paul was very surprised with the results. Testing the aerial and Balun with 250 Watts the standing wave was surprisingly good.

Never seen this beam produce these results before!

14.005MHz to 14.150MHz 1.1:1

14.200MHz 1.2:1

14.250MHz 1.4:1

14.300MHz 1.9:1

21.005MHz to 21.300 1.1:1

21.400MHz 1.2:1

28.005MHz ? 28:400MHz 1.1:1

28.500MHz 1.2:1

**Now to do some dxing and see how the aerial performs.
Hope the above is of use to you.....73 Paul G4APL**

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**More from ZL1ALZ, JOHN from New Zealand!
"Ugly Balun" construction used on a 40 meter vertical!**





Closeup of the ZL1ALZ "Ugly Balun"



The VE2ITZ Balun with Sloper Antenna!

Excellent results!

**Never had such an easy time at tuning the sloper antennas with the "Ugly Balun"!
By the way; the balun consists of 20 feet of coax wound around a 2 and a half
inch diameter plastic bottle. I then proceeded to put gaffer tape to hold it in place.
Et Voila!**

Cheers and 73 de VE2ITZ in Montreal, Canada

**"Ugly Balun" installed on the A3S 3 Element Beam at the KO4MAX QTH!
This update was compiled from various emails:**

"Hey, we don't think it's so ugly!"

**KO4MAX deserves the credit just for putting up with me.
I wanted to add (in this update), that 21 feet is the length of coax used in the construction.**

We put the antenna up on a Sunday afternoon, and it was sketchy to say the least.

The auto tuner in his Icom 746 Pro kept engaging automatically (even when it was turned off).

I knew it had to be coupling with the feed line.

So, I showed him your Ugly Balun page and then the Hy Gain manual I have, which calls for 12 turns 6 inches in diameter.

He read the Cushcraft A3S/40m manual which states 8 turns at 6 inches in diameter.

After much debate we went with your design. See photos below.

Monday, enter the Ugly Balun.

Now, the antenna works and it works well.

The second day on the air (Tuesday) he sent an email informing me that "it rocks" which is a quote.

He also says it's a big improvement over the dipoles he had on those bands.

75/80 meters and the warc bands is all that is left in his shack.

We'll rework those dipoles for those bands.

Thank you for your contribution and website!

We found the Ugly Balun to be a huge help when it came time to stop the feed line coupling.

We think it gives this big A3S/40m (10-15-20-40m 3 Element beam) "character".

We installed this at KO4MAX in South Florida. See photos below:







Update 04-2011....showing stainless steel clamps in final installation



**We used 4.5 inch bolts through the half pipe (split in two vertically).
We inserted 4 inch stand-offs and bolted the 4.5 inch PVC to the half pipe.
We used tie wraps for a temporary installation (During testing).
Stainless steel clamps were used in final installation.
We plan to install U-bolts to permanently mount the assembly to the mast pipe.**

**No more coupling with the coax after installation.
Tested with the MFJ-269 Pro Antenna Analyzer
Nearly perfect on all 4 bands!**

This thing, over 2 years later, still working like a champ.
This installation should provide many years of service

Came down off the tower and made our first contact with Italy IZ5ILF - Max

Thanks for the ugly balun concept!"

73'

TL7VE - DX8FW - Tim

Balun Pics below submitted by K8CPA. "Ugly Balun" mounted on base of tower.



The work, including the Balun winding was done by my friend Matt, AC8AC.

**The Antenna is a homebrew G5RV, that actually works!
73 es gud dx
DE K8CPA**



VU2UWZ Version



YV5GRB Version

"I want to thank you for the usefull information and different examples on your web page, I could understand and build two 1:1 chokes for my 5BTV phased verticals, I also helped other local hams with this project. They work!"
73 de Eduard (YV5GRB)

Below are some ideas from Kelvin, G4ZTD



Balun shown attached to vertical antenna

