

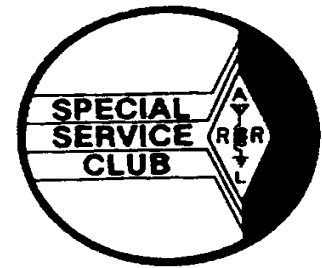


THE HAMCALL

The Official Newsletter of The Kentucky Colonels

Amateur Radio Club, Inc. Call: KY4BG
Bowling Green, Kentucky

Web page: kcarconline.com



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Hello to everyone:

Remember club meeting at police dept July 6th.

I want to thank everyone that helped with the Tour De Cave bike ride. The bike club sent me a e-mail and said if we had not helped they would have been a lot slower taking care of the ones that could not finish , and the other problems that came up during the event,(accidents, etc.)

The bands have been good lately, even 6 ,10 and 15

Be thinking if we want to start a net on HF at least once a week

Ed N4HID

Field Day 2010!!

Thanks to Claire Rienhart KF4IWX for chairing Field Day this year!
Also thanks to all involved with setup and operation over the weekend. Hope to have more info and pictures for the next news letter.

ATV Repeater Information

This is to announce that Amateur Television Repeater - KY4TV is now in operation on Cherry Hall on WKU campus in Bowling Green KY

Thanks to KC4WFM Marshall, W4WSM Ben, KA4CFW Fred, and WB4SCV Tom, KJ4CMG Herb Hess (wku maintenance). The antennas were installed and the equipment was put in place June 15th.

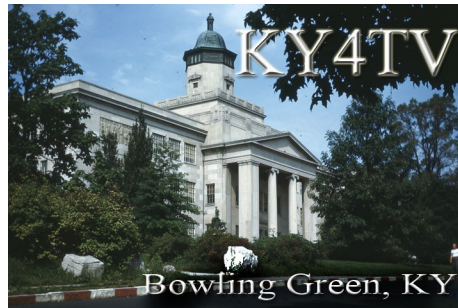
This constituted the 1st phase of a dual cross band system. Presently the 1280mhz receive and 421.25 mhz transmit (Cable channel 57) was made operational. For those of you that can receive but do not have 1280mhz fm transmitters, you can test your receive capability by tuning your down converter* to the low end and your beam (Horz. polarized) toward Cherry Hall on WKU and use the access codes given below
If you have an old analog cable tv set and an outside antenna , put it on Chan 57. you may need a pre amp because cable TV sets are not very sensitive.

Access Codes

The following touch tone code will turn the repeater on and off showing its ID.
Key your 2 meter transmitter on 144.34 mhz simplex and enter the code below
Presently the 2 meter control receiver antenna is in the building and some will may not be able to access it but that will be corrected soon. Future features include real time wx radar, tower cam , etc.

ON code - ABC00*
OFF code - ABC00#

BE SURE TO TURN IT OFF WHEN YOU ARE FINISHED!!
A couple of sample ID Screens are shown below:



Technical Details of this Cross band repeater:

Input Frequency – 1280 mhz FM modulation
Output Frequency – 421.25mhz (corresponds to cable channel 57)
Transmitt Antenna - Rib Cage Slot approx 6 db gain
Transmitter Power – 8-10 watts
Receive Antenna – Comet Vert G-21 12.0 db gain.

As mentioned earlier, this is the 1st phase of a cross band repeater system. In a few weeks we will have operational the 2nd phase. This will consist of a receiver 439.25 mhz (corresponding to cable channel 60) feeding a 1280 mhz fm transmitter. The antennas are in place on a different tower just awaiting the equipment to be installed. (which I have assembled but not tested on my bench)

I will have the repeater output on BATC.TV streaming video most of the time.

Go to www.batc.tv

then click on the Member Streams box and you will see a list of streaming stations and not streaming stations. find my call on the streaming and click on it then click on "view"

The Amateur Television Network – KY Chapter was first organized in the January of 2009 and has its annual meetings in March at the Cave City Hamfest. Other meetings are in the fall at the Louisville HF. And as needed. ATN -KY in a non profit organization under the statutes of the Commonwealth of KY. A copy of the Constitution and By Laws are available, just email me at w4htb@ieee.org.

Anyone interested in atv is invited to join, presently there are 7 members.

Thanks to Paul Smith K4VXP (who is Sec/Treas of ATN KY) for his input and support. Paul is in Campbellsville and is very active.

This is a "special interest" group and I realize that not too many will be interested. This transmission mode A5 or F5 is not all "plug and play" those interested will learn about uhf and microwave antennas , transmission methods, video/audio waveform characteristics etc. The equipment cost can vary, but there are a lot of outdated cable modulators available, practically no cost ,that can be used for UHF transmitters (additional small amplifier may be required depending on your elevation and distance from the repeater. Elevation is most important on these frequencies, the higher the better.

I hope to discuss this more in detail at our next club meeting.

Hank
W4HTB

PSK 31

A special thanks to Bill Feldcamp KI4B for the wonderful meeting on PSK 31 at his QTH. The information and hospitality were both very nice. Bill provided all with a "hand-out" brochure that he made helping anyone new to PSK 31 how to get started. I would recommend that anyone that missed the meeting try to get in touch with Bill for the information. Much of the "Trial and Error" lessons Bill has already figured out.



Illustration 1: KI4B showing W4BWG the PSK 31Demo

CONTEST CALENDAR

RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ NCCC Sprint Ladder	0230Z-0300Z, Jul 2
+ Venezuelan Ind. Day Contest	0000Z, Jul 3 to 2359Z, Jul 4
+ WLOTA Contest	0600Z, Jul 3 to 1200Z, Jul 4
+ DL-DX RTTY Contest	1100Z, Jul 3 to 1059Z, Jul 4
+ Original QRP Contest	1500Z, Jul 3 to 1500Z, Jul 4
+ PODXS 070 Club 40m Firecracker Sprint	2000 local, Jul 3 to 0200 local, Jul 4
+ DARC 10-Meter Digital Contest	1100Z-1700Z, Jul 4
+ MI QRP July 4th CW Sprint	2300Z, Jul 4 to 0300Z, Jul 5
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Jul 5
+ ARS Spartan Sprint	0100Z-0300Z, Jul 6
+ QRP Fox Hunt	0100Z-0230Z, Jul 7
+ FISTS Summer Sprint	0000Z-0400Z, Jul 10
+ IARU HF World Championship	1200Z, Jul 10 to 1200Z, Jul 11
+ Feld Hell Sprint	1600Z-1800Z, Jul 10
+ SKCC Weekend Sprint	0000Z-2400Z, Jul 11
+ ARCI Summer Homebrew Sprint	2000Z-2359Z, Jul 11
+ QRP Fox Hunt	0100Z-0230Z, Jul 14
	1100Z-1200Z, Jul 14 and
+ CWops Mini-CWT Test	1900Z-2000Z, Jul 14 and
	0300Z-0400Z, Jul 15
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Jul 14
+ DMC RTTY Contest	1200Z, Jul 17 to 1200Z, Jul 18
+ CQ Worldwide VHF Contest	1800Z, Jul 17 to 2100Z, Jul 18
+ North American QSO Party, RTTY	1800Z, Jul 17 to 0600Z, Jul 18
+ RSGB Low Power Field Day	0900Z-1200Z and 1300Z-1600Z, Jul 18
+ WAB 144 MHz QRO Phone	1000Z-1400Z, Jul 18
+ CQC Great Colorado Gold Rush	2000Z-2159Z, Jul 18
+ Run for the Bacon QRP Contest	0100Z-0300Z, Jul 19
+ QRP Fox Hunt	0100Z-0230Z, Jul 21
+ NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Jul 22
+ RSGB 80m Club Championship, Data	1900Z-2030Z, Jul 22
+ NCCC Sprint Ladder	0230Z-0300Z, Jul 23
+ RSGB IOTA Contest	1200Z, Jul 24 to 1200Z, Jul 25
+ SKCC Sprint	0000Z-0200Z, Jul 28
+ QRP Fox Hunt	0100Z-0230Z, Jul 28

+ NCCC Sprint Ladder 0230Z-0300Z, Jul 30

August 2010

+ RSGB RoPoCo 2 0700Z-0830Z, Aug 1
+ SARL HF Phone Contest 1300Z-1630Z, Aug 1
+ ARS Spartan Sprint 0100Z-0300Z, Aug 3
+ QRP Fox Hunt 0100Z-0230Z, Aug 4
+ NCCC Sprint Ladder 0230Z-0300Z, Aug 6
+ European HF Championship 0000Z-2359Z, Aug 7
+ TARA Grid Dip Shindig 0000Z-2400Z, Aug 7
+ 10-10 Int. Summer Contest, SSB 0001Z, Aug 7 to 2359Z, Aug 8
+ ARRL UHF Contest 1800Z, Aug 7 to 1800Z, Aug 8
+ North American QSO Party, CW 1800Z, Aug 7 to 0600Z, Aug 8
+ SKCC Weekend Sprint 0000Z-2400Z, Aug 8
+ NAQCC Straight Key/Bug Sprint 0030Z-0230Z, Aug 11
+ QRP Fox Hunt 0100Z-0230Z, Aug 11
+ CWops Mini-CWT Test 1100Z-1200Z, Aug 11 and
1900Z-2000Z, Aug 11 and
0300Z-0400Z, Aug 12
+ RSGB 80m Club Sprint, CW 1900Z-2030Z, Aug 12
+ NCCC Sprint Ladder 0230Z-0300Z, Aug 13
+ WAE DX Contest, CW 0000Z, Aug 14 to 2359Z, Aug 15
+ Maryland-DC QSO Party 1600Z, Aug 14 to 0400Z, Aug 15 and
1600Z-2400Z, Aug 15
+ Feld Hell Sprint 2000Z-2200Z, Aug 14
+ ARRL Rookie Roundup, RTTY 1800Z-2359Z, Aug 15
+ Run for the Bacon QRP Contest 0100Z-0300Z, Aug 16
+ QRP Fox Hunt 0100Z-0230Z, Aug 18
+ NCCC Sprint Ladder 0230Z-0300Z, Aug 20
+ SARTG WW RTTY Contest 0000Z, Aug 21 to 1600Z, Aug 22
+ ARRL 10 GHz and Up Contest 0600 local, Aug 21 to 2400 local, Aug 22
+ ARCI Silent Key Memorial Sprint 1500Z-1800Z, Aug 21
+ North American QSO Party, SSB 1800Z, Aug 21 to 0600Z, Aug 22
+ New Jersey QSO Party 2000Z, Aug 21 to 0700Z, Aug 22 and
1300Z, Aug 22 to 0200Z, Aug 23
+ SKCC Sprint 0000Z-0200Z, Aug 25
+ QRP Fox Hunt 0100Z-0230Z, Aug 25
+ RSGB 80m Club Sprint, SSB 1900Z-2030Z, Aug 25
+ NCCC Sprint Ladder 0230Z-0300Z, Aug 27
+ Hawaii QSO Party 0700Z, Aug 28 to 2200Z, Aug 29
+ YO DX HF Contest 1200Z, Aug 28 to 1200Z, Aug 29

- + SCC RTTY Championship
- + Kansas QSO Party
- + Ohio QSO Party
- + SARL HF CW Contest

1200Z, Aug 28 to 1159Z, Aug 29
1400Z, Aug 28 to 0200Z, Aug 29 and
1400Z-2000Z, Aug 29
1600Z, Aug 28 to 0400Z, Aug 29
1400Z-1600Z, Aug 29

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