

# Central Pennsylvania Repeater Association Inc.

**W3ND February 2012**

**NOTICE:** The next general meeting of the CPRA will be on Thursday, February 16, 7:00 PM at the Old Country Buffet, Harrisburg near Costco.

**A MESSAGE FROM OUR PRESIDENT:** From WA3CPO, Gary Blacksmith, MD

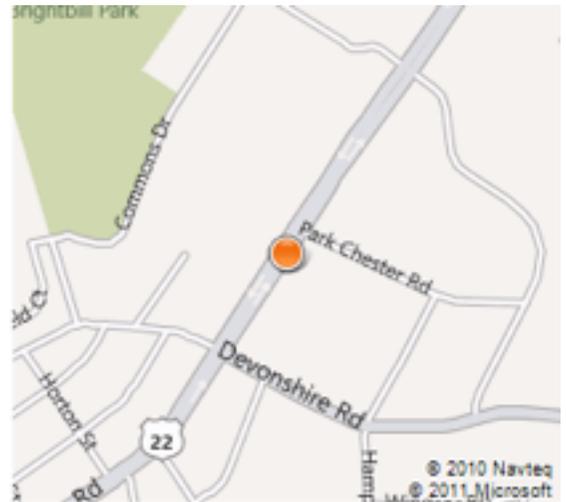
The next CPRA meeting is Thursday, February 16, 7:00 PM at the Old Country Buffet, Harrisburg near Costco.

Come at 6:30 PM to eat from the buffet.

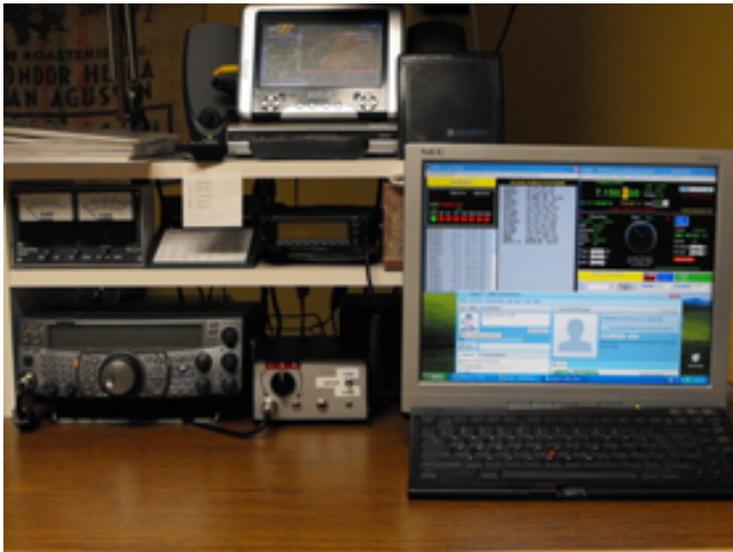
The meeting will be over at 8:30 PM, they lock the doors then.

Old Country Buffet  
3 star  
5083 Jonestown Rd, Harrisburg, PA 17112

(717) 657-6290



Our speaker is Bob Raker, W0BR from Carlisle. Bob will tell you what it takes to remotely operate his HF station over the internet or the Central PA IP Network. This will help those hams that do not have an HF station and want to experience the HF world.



A computer and a microphone and free software are all that you need. Bob has people from everywhere using his system. For a live demo we need a cell phone that can act as a WIFI hotspot. The Old Country Buffet does not have internet for its customers.

The purpose of this group is to pass information among the users of the W0BR internet remote radio system.

Instructions for obtaining remote transmit access:

1. Select "Join This Group!" - please indicate:  
A: your name  
B: your call  
C: your class of license  
D: for non-US licenses - your country of citizenship  
(Applications with insufficient information will be rejected.)

I reserve the right to require a copy of your amateur license.

2. Once you are accepted in the group, please read the operating instructions in the Files section.
3. Send me an email indicating you have read and understood the operating instructions and will abide by the identification requirements.
4. I will respond with your log-in credentials.

73, Bob W0BR

## **REPEATER STATUS:**

The new 220 MHz repeater at Blue Mtn. is working well. The antenna is mounted on the shelter at Blue Mountain Building # 3. Output is 224.18 MHz, PL 123.0 and the input is 222.58 MHz, PL 123.0. The repeater is an ICOM 2210. Mobiles are available on EBAY. Search for 220 MHz mobiles such as ICOM 37A or 38A, etc. They are frequency agile.

A new W3ND UHF repeater is operational north of Newport. The output frequency is 444.550 MHz, PL 123.0 This repeater has exceptional coverage on the North end of Harrisburg and the 322 corridor going North.

A new W3ND UHF repeater is operational at Reeser's Summit. This repeater has a 446.425 MHz output with PL 123.0, 441.425 MHz input, PL 123.0. This repeater performs the function of filling the hole between Harrisburg and York with good coverage into Cumberland, Northern York and Southern Dauphin counties.

The Lebanon Valley Society of Radio Amateurs (LVSRA) has established a new K3LV repeater at Cornwall. This repeater has an input of 447.925 with a PL 82.5, input 442.925 MHz, also PL 82.5.

Two security cameras have been added at Blue Mountain Building # 3. One is inside and has motion detection that sends video to an offsite recorder. The second camera is outdoors and faces the area in front of WITF. This camera also has motion detection and is 720P. Public internet access is available to club members that come to the next meeting.



The Central PA IP Network primary gateway router has been changed to a computer running PF Sense.

This is your club. Come out and support it. Please do make comments at the meeting about your ham needs.

## **GENERAL ARES/RACES INFO: From Your Editor, Roger, W3HUP**

### **PEMA AND OTHER LOCAL NETS AND FREQUENCIES:**

Central Area meets on **3993.5 KHz** every Sunday at **8:30 AM** Local  
Eastern Area meets on **3987.5 KHz** every Sunday morning at **9:00 AM** Local  
Western Area meets on **3990.5 KHz** every Sunday morning at **9:00 AM** Local

Our **PA State Net** meets the **FIRST SUNDAY** of every month on **3993.5 kHz** at **8:00 AM Local**. This net is usually called by John Kruk, K3KR, Lock Haven; at which time he calls Eastern, Central and Western Area Stations in that order. The **New York State** net usually meets on **3993.5 kHz** at **9:00 AM** right after our Central Area net.

**Central Area PEMA frequencies are: 3993.5 KHz - Primary**, Alternates: 3984.5 KHz, 3999.5 KHz, 7248.5 KHz, 7250.5 KHz

**The weekly Harrisburg Amateur Radio Club Information Net** is held every Wednesday at 8:00 PM local on the 146.76 HRAC repeater, except for the second Wednesday of the month which is club meeting night, **and the Capital Area Skywarn Net** Wednesday evenings at 9:00 PM local on the 145.11 RACES repeater. All are welcome to check in.

### **ON-LINE OPERATOR TRAINING COURSE AVAILABILITY:**

The NIMS (**National Incident Management System**) courses show how emergency management is organized and how volunteers such as us fit in to the process. Available training includes the ICS 100, 200 and 700 certification courses which can be completed in a day or less each on-line. These are recommended for all ARES and RACES operators, and required for many specific assignments. The Amateur Radio Emergency Communications Course Levels 1 and 2, available from the ARRL, cover Amateur Radio emergency operating procedures. The June 2011 issue of QST Magazine (pages 80 and 81) provides an excellent introductory article on the NIMS. Page 79 of the March 2012 issue of QST contains further information on training and certification of ARES operators.

### **IMPORTANT - FROM THE 12-24 DEC 2011 PA-ARES-RACES-L DIGEST:**

USA: 5MHz for EMCOMM, not Ragchew, not Contest/DX---an article by Bonnie Crystal, KQ6XA.

The 60 meter ham band has quite different operating privileges in various countries of the world. The frequencies, rules, purpose, regulations, operating procedures, and levels of priority are all

different in each country. In the USA, the 5MHz channels for ham radio were specifically requested, justified, and **approved primarily for Emergency and Disaster Communications.**

The stated justification is the need for NVIS and regional disaster response communications to fill in the propagation gap between 40 meters and 80 meters. The process of the Amateur Radio Service gaining access to these 5MHz frequencies was long and exacting. Recently, due to another multi-year process of proposal and rulemaking, FCC increased the privileges slightly for hams on 5MHz.

However, the FCC put even tighter technical restrictions on 5MHz operation than on any other ham bands. 60 meters **is not** a normal ham band. In this new ruling, FCC re-affirmed and clearly spelled out major restrictions for hams on 5MHz. Hams are secondary users (or less) and the Primary users of the 5MHz channels must not be interfered with in any way. Non-interference with a Primary user isn't just a matter of stopping transmitting if you are asked to.

It can also mean refraining from transmitting, if there is **\*any chance\*** that you might be preventing a Primary user from utilizing or starting communications on the channel, even if you are not asked specifically. The only way we can hope to fulfill our requirement for non-interference, is to use very short transmissions and listen/watch carefully between transmissions. What are some common amateur radio operating practices that may not be suitable for 5MHz 60 meter band operation in USA?

1. Calling CQ DX.
2. Long CQs.
3. Long winded ragchews.
4. Calling in pile-ups.
5. High power transmissions.
6. Contesting.
7. Sending a 'brag file' on PSK31

In order to be ready for Emergency/Disaster Communications, hams need to have good familiarity with the band and have equipment capable of operating 5MHz. Hams can only do this by participating in active operating on the 5MHz band.

Somehow, we need to achieve a balance between a good level of activity and the requirement for non-interference. Finding this balance may be difficult, but for the most part, hams are quite adept at good operating habits.

Every ham operator transmitting on 5MHz must pay special attention to the different operating methods and procedures that this unique authorization requires.

There are proposals in the works to create an international ITU allocation of a 60 meter Amateur Radio Service band with Secondary status. If hams in USA are found to be operating in ways that disregard the spirit of the requested, justified, and approved reasons for which we obtained 5MHz privileges, then it may be extremely difficult to ever get FCC support for increased spectrum.

Regards,  
Bonnie Crystal KQ6XA  
<http://hfink.com/5mhz>

<http://hflink.com/60meters>

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**MORE ARES/RACES INFO:** From Marty Gutekunst, KB3BAA

## **TASK FORCE FORMS TEAMS**

Amateur working group for the South Central Task Force is forming teams to be on standby to be deployed to incidents out of our area. Members with ICS training and specified equipment are being assigned to teams to provide emergency communications for a minimum of 12 hours in a disaster. HEARS teams are also being formed to be able to be assigned to hospitals within our region to provide emergency communications support. ICS training is required to be assigned to these teams. Email me for details at [kb3baa@arrl.net](mailto:kb3baa@arrl.net)

## **GENERAL INFO**

Filters installed at two hospital sites. Volunteers needed for HEARS teams...see above. Contact me for details.

Series of classes scheduled in Adams County for General License exam.

As winter weather finally arrives keep an ear out for Skywarn. A Skywarn net meets every Wednesday at 2100 on the 145.110 repeater.

N3SW is running a great series of on-air training events on NTS traffic handling. Contact me for details

**Marty Gutekunst**

717-652-3702

717-439-8971 cell

KB3BAA

**REPAIR WORK AVAILABLE:** Forwarded by Nick Rylatt, AA3T

Just a note to inform you, and say that I would appreciate it if you could pass the word that I am finally able to begin taking-on radio service work again! I'm getting my service shop cranked-back-up after about a two year hiatus.

I'll take-on anything, but prefer vintage and hybrid (70, 80,90's) gear. I will only accept work that can be dropped-off at, or shipped-to my home here in Liverpool. Rates and estimates upon request and **I do take credit cards.**

Please feel-free to pass the word around. I also have some used and new gear and accessories for sale. HF wire antennas, coax, new in-the-box 2m SSB beams and other items which can be seen at my home.

Tnx & 73!

John, WN3V- Owner, Crystallaire Aviator Supply, LLC  
Aviation Supplies and Communications Radio Service/Vintage Radio Repair  
717-877-3267

**“BOILER PLATE”: From your editor, W3HUP**

## **Officers, Board, and Committee Members**

<b>President:</b>	<b>WA3CPO Gary Blacksmith, MD</b>
<b>V. President:</b>	<b>KA3AAA Terry Phillips</b>
<b>Secretary:</b>	<b>KA3ECQ Terry Ash</b>
<b>Treasurer:</b>	<b>KA3ECQ Terry Ash</b>
<b>Past President:</b>	<b>K3SZX Alan Abt</b>
<b>Trustee for W3ND:</b>	<b>KA3AAA Terry Phillips</b>
<b>Member at large:</b>	<b>WA3MMD Bob Kurtinecz</b>
<b>Member at large:</b>	<b>N3JQM Neil Shatto</b>
<b>Member at large:</b>	<b>AA3T Nick Rylatt</b>
<b>Alternates:</b>	<b>KA0JQO Kevin Magloughlin</b> <b>KB3RRV Mike Brulo</b> <b>K3DRE Douglas Evans</b>
<b>Web Master:</b>	<b>N3PRO Dave Hoffman</b>
<b>IRLP Committee:</b>	<b>KA0JQO Kevin Magloughlin</b>
<b>RACES team:</b>	<b>WB3BKN Terry Snyder, RACES R/O</b> <b>K3JJK Lee Ash, and N3JQM Neil Shatto</b>
<b>Public Relations:</b>	<b>W3KB Keith Beebe</b>
<b>Recruitment:</b>	<b>KZ3J Curtis Zell</b>
<b>News Letter Editor:</b>	<b>W3HUP Roger Urban</b>

## **Facilities with the CPRA club call sign W3ND:**

<b>144.39</b>	<b>APRS node from Reeser's Summit.</b>
<b>145.11-</b>	<b>Dauphin County RACES repeater, CTCSS 123.0 Hz</b>
<b>29-</b>	<b>IRLP node 7060 Blue Mtn. IRLP CTCSS 123.0 Hz</b>
<b>47-</b>	<b>Med coverage, Blue Mtn, CTCSS 123.0 Hz (Primary HEARS Repeater)</b>
<b>224.18-</b>	<b>222.58 In, Blue Mtn, CTCSS 123.0</b>
<b>444.45+</b>	<b>Medium coverage from Blue Mountain CTCSS 123.0 Hz</b>
<b>444.55+</b>	<b>Extended coverage to North, CTCSS 123.0 Hz</b>
<b>446.425-</b>	<b>Reeser's Summit, CTCSS 123.0 Hz</b>
<b>448.075-</b>	<b>Dauphin County RACES repeater CTCSS 123.0 Hz</b>
<b>53.01-</b>	<b>RCVR at Blue Mtn (Nally's site), being moved, CTCSS 123.0 Hz</b>
<b>3480</b>	<b>ATV Repeater Output (ATV only when requested)</b>
<b>5GHz</b>	<b>Access Point at Blue Mountain with links to Reeser's Summit, Cornwall and North. Links from Reeser's Summit to Blue Mountain and White Rock.</b>

**Monthly Ham Radio Lunch:** at the **Old Country Buffet** in east Harrisburg the **last Thursday of each month at noon** unless it is a major holiday. This restaurant is located on route 22 in Colonial Park in the vicinity

of Value City Furniture, K-Mart and Home Depot. Good way to meet some new people...this is open to ALL area hams!

Club Web Site: [WWW.W3ND.ORG](http://WWW.W3ND.ORG)

Pay it a visit...we have links to various services, general information and the current and back issues of the Newsletter.

**Dues:** are \$20/yr for a single membership and \$35/yr for a family membership, which includes all licensed amateurs living in one household. **If you have not renewed please do so...we need your support! If you have, consider an additional donation!** For most members, renewal is due by April.

**USE THE [REVISED MEMBERSHIP APPLICATION SHOWN BELOW](#)**

Thanks! Please make your check payable to:

**Central Pennsylvania Repeater Association, Inc.**  
**C/O Terry Ash**  
**4335 Rodkey Road, Harrisburg, PA 17110**  
**[DO NOT SEND CASH!](#)**

### APPLICATION FOR MEMBERSHIP IN CPRA

New member    Renewal    Family    Updating Information

Donation \_\_\_\_\_    Other \_\_\_\_\_

**Dues are \$ 20.00 Individual and \$ 35.00 Family.**

Total amount enclosed \$ \_\_\_\_\_

Name: \_\_\_\_\_ Call(s) \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip code \_\_\_\_\_ License class: \_\_\_\_\_

Email address for newsletters: \_\_\_\_\_

Phone: \_\_\_\_\_    Listed    Unlisted

Are you an ARRL member?    Yes    No

Are you a member of WITF    Yes    No

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EMERGENCY RACES VOLUNTEER INFORMATION

**This information will only be used in the event of an emergency. This information will only be given to the emergency RACES coordinator and will not be distributed for general information in any form!**

Work number including extension: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Email address: \_\_\_\_\_