

The Parasitic Emission

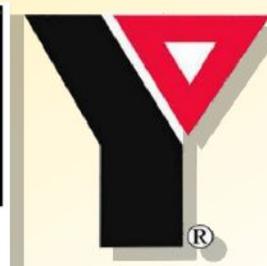
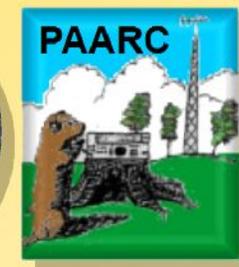
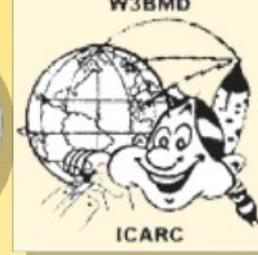
Volume 38 • Number 2
February 2012

Supporting Amateur Radio Club Activities

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<i>Amateur Radio Club Activities, Events and Gatherings</i>	

Serving the Amateur Radio Community in a 15-county area of Western Pennsylvania



Serving the Public... Together!

FINDING THOSE in need of our services can be a challenge when we first decide to offer our help. It is easy to take a look at the Public Service landscape and see a lot of agencies already well-established. How can we offer to help these helpers without looking presumptuous? Or worse yet, being told to "go away?"

The answer is actually pretty simple. In a word, "volunteer." Putting that simple tactic into action, though, is a bit more involved than paying mere lip-service.

The first thing we have to do is to take stock of our abilities and know what we are capable of and what our limitations are. It is better to "underpromise and overdeliver" than the other way around!

Second, we need to promise ourselves to live up to our responsibilities to deliver what we promised. Here is where a lot of groups drop the ball. If, for example, we offer to provide communications along a parade route, nothing hurts our credibility more than failing to show up with enough people to do the job.

Finally, after the event is done, we need to take time to review our performance, and even to invite critiques of our efforts. If we are mature and realistic, we will realize there is **always** room for improvement. Here is where a little tact and humility can be useful.

Nobody likes to be told they could have done better, but the fact is we can. By being open to the possibility that we don't know everything, and by becoming willing to learn, we'll be ready to work and play well with others.

Who are those "others?"

If you take a look at our front page, you will see a few of them. The astute reader will observe that our clubs are included with the served agencies. We can serve each other, and we need to take a broader view of the value we offer to one another.

The front cover also shows that we are in good company. No one can dispute the valuable services offered by each and every one of those agencies. And this is just the tip of the iceberg. The list in many communities could easily be doubled—or even tripled!

Making Contact

Once we have decided what we can offer and who we can offer it to, it's time to become more involved. We need to put our best foot forward, and be as professional as we can when making our first impression. A club should send its best spokesperson.

A well-written letter to the appropriate staff person in an agency will go a long way to opening the doors. By doing some research about an agency, we can see what their needs may be, and we will be better received if we are "answering a call."

The worst mistake we can make is to show up uninvited in the middle of their operation and proclaim, "We're here to help. Now get out of our way."

Laying the Groundwork

Lao Tzu wrote, "The journey of one thousand miles begins with but a single step."

In today's world where perception *becomes* reality, it is helpful to our cause to be perceived as "helpful." If our clubs and our individuals are recognized as helpful members of our communities, we will be better received when we offer our ham radio services.

It really helps our cause when our members individually volunteer to serve their communities in some small way—even if many if not most of these community service opportunities have little to do with amateur radio.

For example you could volunteer to help clean up a community eyesore. Volunteer to work at a community bake sale. Ring a bell. Answer the phones for a charity. Visit the homebound and the infirm. Deliver Meals on Wheels™.



When individual hams do any of these things, they make themselves known as "good people" in their communities. When a ham radio group consists of known good people, a lot of doors are opened when we come knocking.

Everybody Wins

We amateur radio enthusiasts have a lot to offer our communities in times of need. We, like all people, enjoy receiving recognition for a job well done.

Likewise, every community has needs that they can't pay for with anything other than offering their thanks.

When you put these together with all the agencies that can serve and be served, there are opportunities and benefits for all. It is by serving the needs of others that we show our better selves and our true value to our families, friends and communities.

I think this is the best meaning of "Serving the Public Interest, Convenience and Necessity."

I'll see you...**On The Air!**

By serving the needs of others, we show our better selves



The Quad-County Amateur Radio Club

An ARRL Special Service Club Serving Clearfield, Jefferson Elk And Cameron Counties Since 1975

Meeting Notices

January 2012

February Meeting:

The February meeting of the Quad-County Amateur Radio Club will be held at the **Penn State Du Bois Campus** on Friday, January 20, 2011. The meeting will begin at 7:30 pm.



Following the business meeting, Pennsylvania State Police Trooper Bruce Morris of the Ridgway Barracks, who serves as the Public Information

Officer for Troop "C" will present a program on Community Crimewatch and Crimestoppers, and will offer information on Burglary Prevention.

The DuBois City Police Department plans on sending a representative to answer questions and provide information on the Department. Thanks to our Public Service Coordinator Kevin Snyder for putting this program together!

Monthly Breakfast:

Every month, our members get together for a friendly breakfast at **Sid's Super Subs** on Old Town Road in **Clearfield** (Near the Hyde intersection.) We meet at **9:30 am, the second Saturday of every month.**

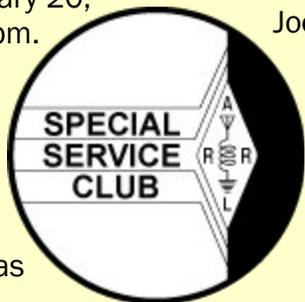
February 11	June 9	September 8
March 10	July 14	October 13
April 14	August 11	November 10
May 12		December 8

Minutes: February 2012

by Herb Murray W3TM

The meeting was held at the DuBois Eat 'n Park restaurant on Friday, January 20, 2012. Early Birds enjoyed a dinner before the meeting, which was called to order at 7:30 by President Joe Shupienis W3BC. Following the Salute to the Flag and Remembrance of Silent Keys, members introduced themselves.

Attendance



Joe W3BC, Lars KB3WBT, Bev Hudsick, Bryan WA3UFN, Bob N3DIR, Herb W3TM, Kevin W3PIG, "Peach" AB3OG, Don KB3LES, Jesse KG4ZXC, Gerald AB3NK, Sandra Tucker, Kay Kvant

Staff Reports

Minutes: Moved by Herb W3TM and seconded by Don KB3LES to accept the minutes of the December meeting as published in *The Parasitic Emission*. **Approved.**

Treasurer's Report: Due to inclement weather, Club Treasurer Doug W3DWR was unable to attend. President Joe W3BC read the report that was emailed to him earlier that day. It was further noted that there are 42 current members, of which 24 have paid 2012 dues. Moved to accept by Lars KB3WBT, seconded by Bryan WA3UFN. **Approved.**

Activities: No noteworthy activities to report. (KB3WBT)

Education: License Classes to begin Feb 2nd at Red Cross offices. Six people have expressed interest. VE Exam March 15, 6:00 pm. (W3BC)

Programs: Herb W3TM asked for ideas. Several upcoming programs are tentatively scheduled. Details will follow

Public Information: Recruiting posters have been placed, regarding the upcoming licensing classes. Press release about the signing of a Statement of Oooperation with Red Cross Director was issued. (W3BC)

Station/Repeater: Bryan WA3UFN is the new trustee, and new license has been received.

Progress on a club station facility at a local FM station transmitter plant was discussed.

Quad-County ARC Information

President	Joe Shupienis W3BC president@qcarc.org	
Vice President	Bob Thunberg N3DIR vp@qcarc.org	
Secretary	H. Deforest Murray, III W3TM secretary@qcarc.org	
Treasurer	Doug Rowles W3DWR treasurer@qcarc.org	
Executive Board	Don Jewell KB3LES Lars Kvant KB3WBT (SM7FYW) Ed Neeper KB3VWX Bryan Simanic WA3UFN -Vacancy-	
Staff	Activities: Lars Kvant KB3WBT/SM7FYW Education: Joe Shupienis W3BC Membership: Jack Lovesky AA3AZ Net Manager: Doug Rowles W3DWR Program Coordinator: Herb Murray W3TM Public Information: Joe Shupienis W3BC Public Service: Kevin Snyder KA3YCB QSL Manager: Al Maddas KB3SVW Technology: Lars Kvant KB3WBT/SM7FYW Trustee: Bryan Simanic WA3UFN VE Liaison: Bryan Simanic WA3UFN	
Repeaters	N3QC 147.315+ [173.8]Rockton Mt K3EDD 444.625+ [173.8]Rockton Mt N3IZE 444.900+ [173.8]Clfd local N3QC-1 144.390 APRS Digipeater	
Nets	Sunday @ 1900 147.315 (Quad-County)	
Web	www.qcarc.org, info@qcarc.org @qcarc	

3 Club connections



Punxsutawney Area Amateur Radio Club

Serving Punxsutawney and Jefferson County

Old Business

President Joe W3BC reported that the search for a new, permanent meeting location has concluded. Future meetings will be held in a conference meeting hall facility in the Hiller Building on the Penn State Du Bois Campus.

New Business

Bucktail Council, Boy Scouts of America has invited our club to set up a demonstration of Amateur Radio as an activity station at the annual Camp Mountain Run Cub Scout Klondike on Saturday February 11. Volunteers are needed. Discussion followed and it was decided to set up on 2 meters through repeaters. Motion to proceed by Kevin W3PIG, second by Herb W3TM. **Approved.**

The Engineering department at Penn State DuBois has expressed interest in cooperating with us in a near-space high-altitude balloon launch. Amateur Radio would play a key role in tracking, telemetry and recovery, using APRS and DF technology. Moved by Bryan WA3UFN and seconded by Herb W3TM to proceed. **Approved.**

The members discussed the cost of ARRL *Handbook* and *License Manual* donations to local libraries to honor Silent Keys. There is a substantial cost, but there also are benefits to Amateur Radio as these books are often the first point of contact for prospective hams. Recent donations were in memory of Bernie Masonis WA3UKE and Jim Byrne KA3WSX. Moved by Jerry AB3NK and seconded by Bryan WA3UFN to appoint a Commendations Committee to evaluate and present awards and memorials. **Approved.**

The Executive Board determined that the Club Constitution needs revisions to bring it into alignment with requirements for 501 (c) (3) tax-exempt status and FCC Club Station

Licensing requirements, remove sections deleted 20 years ago, correct spelling and grammatical errors and a general clean-up. Moved by Jerry AB3NK and seconded by Bryan WA3UFN to appoint a committee to prepare amendments to be presented to, and ratified by the general membership. **Approved.**

General Announcements

Bryan WA3UFN announced an upcoming Skywarn training session is being planned.

The members were reminded that 2012 dues are now due, and that the 2012 Sustaining Membership campaign is now open for dime-a-day and other donations to support the club's activities and projects.

Motion to adjourn was made by Kevin W3PIG and seconded by Jesse KG4ZXC. **Approved.**

The meeting was adjourned at 8:10 pm, followed by the program on Amateur Radio Contesting and Awards by Herb Murray W3TM.

New Meeting Location

by Joe Shupienis W3BC

Turn NORTH onto College Place from PA-255 (E DuBois Ave)
 Turn RIGHT onto E Second Avenue (Caution! ONE-WAY street!)
 Park on either side of the street or in a parking area.
 Use the rear door of the HILLER BUILDING marked with red X on map.
 Meeting Room is FIRST room on your RIGHT upon entering building.
 GPS Coordinates: 41.127876, -78.751049 (428 E 2nd Ave. 1580')

Meeting Notice

Tuesday, January 10, 7:00 pm

PUNXSUTAWNEY Area Amateur Radio Club will hold its March 2012 meeting on Tuesday, March 13th at 7:00 pm in the Punxsutawney Presbyterian Church, Findley Street.

Monthly "Radio Night" activities at the club station at the Punxsutawney Airport have concluded for 2011, and will resume in the spring of 2012.

Monthly Breakfast

BREAKFAST get-togethers are held the last Saturday of each month at the Amish Restaurant, Route 310 between Anita and Reynoldsville. **Saturday, February 25th at 9:30 am.**

March 31	June 30	September 29
April 28	July 28	October 27
May 26	August 25	November 24

PAARC Information

President	John Buttner KB3OUG kb3oug@gmail.com	
Vice President	Steve Waltman KB3FPN kb3fpn@windstream.net	
Secretary	-Vacancy-	
Treasurer	Tom Sprague KB3TOY	
Nets	Monday @ 1930 147.390 (Club)	
Web	http://sites.google.com/site/punxyhamclub/	

Philipsburg Amateur Radio Association

Serving Philipsburg and Clearfield County

Meeting Notice

PHILIPSBURG ARA meetings are held the second Saturday of each month at 3:00 pm in the Community Meeting Room at the Holt Memorial Library, 17 North Front Street. The library closes at 3 PM and you will not be able to get in through the front door. You will need to use the rear entrance on the lower level of the building. To access the rear entrance use Laurel Street and you will find a private parking lot in the back of the building.

For anyone who needs directions, here is a map quest link: <http://mapq.st/e60mJ3>.

PARA Information	
President	Filip Cerny AB3HK
Vice President	Scott Rummings W3EOD
Secretary	John Szwarc, N3SPW jsszwarc@yahoo.com
Treasurer	Jim Warg, N3ONE
Liaison	Dick Thompson, K3BIE Interclub Liaison
Repeaters	W3PHB 146.430+1M [173.8] Rt1snk Mt W3PHB 146.640- [173.8] Philipsbg W3PHB-1 144.390 [APRS] Philipsbg W3PHB 444.750+ [173.8] Philipsbg
Net	Saturday @ 2100 147.430+ [173.8]
Web	www.philipsburg-ara.org Echolink:385989

N3ONE - PARA Ham of Year

by John Szwarc N3SPW

THE Philipsburg Amateur Radio Association has announced that Jim Warg, N3ONE, is the recipient of the 2012 Ham of the Year award. Jim has faithfully served as PARA's Treasurer since 1995 - 16 years! Jim has always made time to help new hams get started and offer advice. He is a member of the PARA VE Testing Team holding both W5YI and ARRL VE credentials and has assisted with the various repeater projects PARA has undertaken over the years. This award couldn't have gone to a more deserving person.

Congratulations Jim!

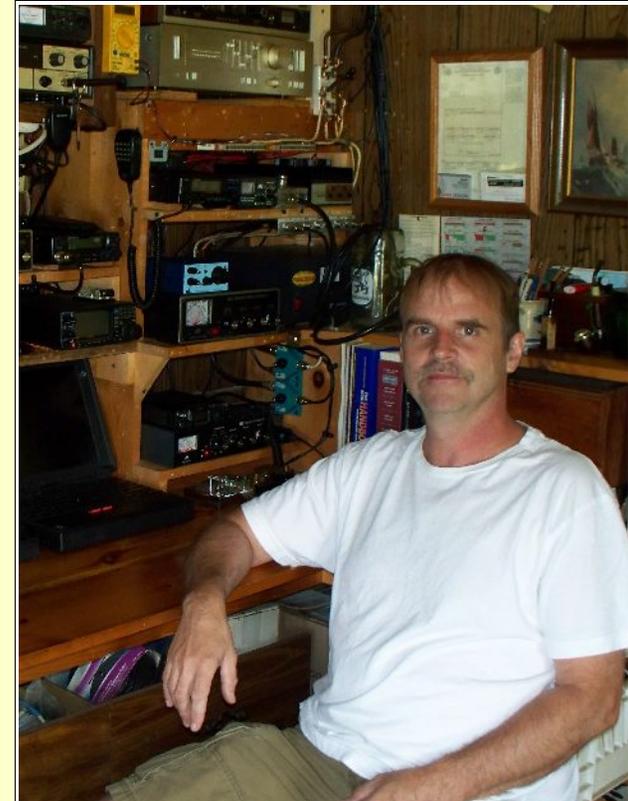


Jim N3ONE is shown here with his wife Elo at the 2005 PARA Picnic

Club Officers Elected

by John Szwarc N3SPW

AT THE FIRST club meeting of 2012 PARA elected a new slate of club officers. The term of office is one year and was effective with the conclusion of the January meeting. While some elected positions remained the same, others changed.



President Filip Cerny AB3HK

2012 PARA Officers

President	Filip Cerny AB3HK
Vice President	Scott Rummings W3EOD
Secretary	John Szwarc N3SPW
Treasurer	Jim Warg N3ONE
VE Team Leader	Joe Howe KB3CBN
Inter-Club Liaison	Dick Thompson K3BIE.

EchoLink Node Back on Air

by John Szwarc N3SPW

THE W3PHB-R EchoLink node is back up and running. It is currently configured to operate through The Big .43 Repeater. Assuming there are no issues with our EchoLink node, everything will be back to full operating capacity! Finally!

The connection is operational. Some audio level tweaking is still necessary and there remains a connectivity issue with some EchoLink stations, but it is usable. A pdf instruction sheet detailing the use of the node is available on the PARA web site at www.philipsburg-ara.org/Echolink_instructions.pdf

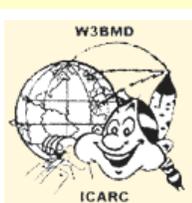
43 Repeater News

by John Szwarc N3SPW

The Big .43 Repeater is back on the air! Finally!

The tower crew from ComPros was at the repeater site and installed the new antenna. Also at the site was our own Filip AB3HK assisting and overseeing the installation process. All seems to have gone according to plan and the repeater is up and running.

The new antenna is a 4-bay Telewave model ANT150D6-9. This 4-dipole array design allowed us to create a custom directional signal in an attempt to fill in some of the nulls in our coverage area. Initial coverage reports are encouraging. Earlier Mike WB3EQW was able to work the repeater from the West side of Clearfield while mobile with a nearly full quieting signal. In the past the repeater did not reach into the Clearfield valley at all. If this is any indication, I'd say the new antenna is doing its job!



Indiana County Amateur Radio Club

Serving Indiana County

Meeting Notice

March Meeting: Tuesday, March 6th, at 7:00 pm at the Indiana Eat 'n' Park Restaurant.

After the meeting, Bill Menk W3LAB will host **Show-n-Tell night for HF radios.**

Hot Dog Night: Every Wednesday evening at the 146.91 W2BMD Repeater site, weather permitting.

Club Breakfast: Every Saturday morning at the Indiana Eat 'N Park restaurant, Indian Springs Road and PA 286.

To Contact the Club For More Information: KB3JOF at arrl.net

Indiana County ARC Information

President	Robert Zugates KB3JOF KB3JOF@arrl.net	
Vice President	Jerry Kiehl WB3DUD	
Secretary Treasurer	Terry Carnahan KB3JOD	
Repeaters	W3BMD 146.910- No tone W3BMD 444.975+ 110.9 Simplex 147.570 Countywide Emerg Echolink Node No: 113249	
Nets	Monday @ 2000 146.910-	
Web	http://www.qsl.net/w3bmd/	



Headwaters Amateur Radio Club
N3PC
Coudersport, PA 16915

Headwaters Amateur Radio Club

Serving Coudersport and Potter County

Meeting Notice

March Meeting: 7:00 pm, Thursday, March 1 at the Potter County EMA Emergency Operations Center.

Minutes

January 5 2012

Jason called the meeting to order at 7:01pm. Minutes for December were read Wayne motioned to accept Jim L seconded.

Treasure Report by Wayne WS3PC - Jim C motioned to accept Jim D seconded

Old Business

Glenn and Linda were sick and could not attend the meeting. Glenn contacted Wayne and said he is trying to setup a training session with the trailer probably in April or

Local Net Schedules

Quad-County FM	1900	Sunday	147.315 + 173.8
ECARA	2000	Sunday	147.000 + 173.8
Cambria County	2100	Sunday	145.210 - 123.0
Headwaters ARC	1900	Monday	146.685 - 173.8
PAARC	1930	Monday	147.315 + 173.8
Jeff Co ARES	2000	Monday	147.105 + 173.8
Indiana Co ARES	2000	Monday	146.910 - OPEN
CLfd Co ARES	2100	Wednesday	147.315 + 173.8
PARA	2100	Saturday	146.430+1M173.8

9 Club connections

The Parasitic Emission

February 2012

warmer weather.

The county has no money at this time to support amateur radio.

New Business

The HARC club officers for 2012 will be:

President Jim Douglas K3HFC
Vice President Jason Layton K2BYL
Treasurer Wayne Stahler WS3PC
Secretary Tom Guilfooy

Jason Commented on the upcoming weather exercise to be held March 29. We can test the equipment and antennas.

Jim C talked about holding another class this year. Jim will need help as he would not be available for every session. Jason is getting flyers and information out to see who maybe interested.

Jim D asked that every member bring ideas into the club and come up with an idea each by the June meeting or earlier.

Skip is having a ham radio breakfast at the Pine Creek inn Feb 4th at 9:00am anyone interested.

Guest were Joe W3BC, Jerry AB3NK

Joe W3BC Spoke about the Quad County Amateur Radio Club www.qcarc.org, and ways to help get people into Amateur Radio and to help gain club membership. Joe gave us some printed information and also talked about the Parasitic Emission newsletter published every month.

Jerry AB3NK Talked about the K3HWJ Punxsutawney Area Amateur Radio Club special event station on Feb 4th to Commemorate Ground Hog Day. The club is in need for operators. Information at www.sites.google.com/site/punxyhamclub.

The members thanked both for driving the distance and for the talks and information.

Meeting adjourned at 8:01pm

Attending. Wayne, Jim C, Jim D, Jim H, Jim I, Jason, Diana, Tom, Don, Milton. Guest Joe W3BC, Jerry AB3NK

Headwaters ARC Information

President	Jason Layton, K2BYL			
Vice President	James Centanni, W2IMK			
Secretary	Charles Scott Sharpe, KB3JVD			
Treasurer	Wayne Stahler, II, WS3PC			
Repeaters	N3PC	146.685-	[173.8]	Coudersport
	K3CC	146.880-	[173.8]	Coudersport
	KB3EAR	444.300+		Coudersport
Nets	Monday @ 1900	146.685-	[173.8]	
	Monday @ 1930	28.360	[USB]	
	Monday @ 1945	1.980	[USB]	
Web	www.n3pc.com			



Elk County Amateur Radio Association

Serving Elk and Cameron Counties

Meeting Notice

February Meeting: Sunday, February 19th at 1:30 pm, Courthouse Annex.

440 Repeater Photos

by Pete Carr WW30

Hi to all. These are pics of the UHF repeater that came from Scott, WA3FFC. For those of you interested in this stuff you can go to www.repeater-builder.com and search for C74CLB7105AT which is the 'build' number.

We are looking for a suitable frequency pair to use with it. It's about 37 inches high and weighs about 80 pounds, It will easily fit against the back wall of the radio building under the packet radio shelf. We have a UHF Ringo antenna and coax already mounted but plan to use a better antenna with it once it's ready for on-air tests.



Elk County ARA Information

President	Scott Logue, N3LVG			
Vice President	Tommy Hammerbeck, N3FXD			
Secretary	Mary Kowaluk, KB3MLB			
Treasurer	Mary Lewis, N3UDN			
Officers	Public info: Shari Lewis KB3EWT Newsletter: Jerry Robinson N3RYG Public Service: John Frantz K3TMD			
Repeaters	N3NIA	147.000+	[173.8]	Bootjack
	N3NWL	147.285+		Ridgway
	N3RZL	442.200+		Ridgway
	N3RZL	442.350+		Boone Mtn
	WA8RZR	443.675+		St Marys
	N3FYD	146.805-		Emporium
	WA3WPS	147.180+		Emporium
Nets	Sunday @ 2000	147.000+	[173.8]	
Web	www.n3nia.com			



Meeting Notice

Friday, February 17

February Meeting: CRC February meeting will be held on the 17th at 6pm at Mount Calvary Lutheran Church 1000 Scalp Ave. Johnstown, PA 15904

Technology theme is operating fun at the meeting. Bring a rig or your go kit to operate. Bring a laptop computer and work an iax-client or remote. Let's have fun and discuss on the next few nets the possibilities we can all explore.

Meeting Notes: Jan 2012

by Tom Brew K3WS

The meeting Started at 6pm (although most people showed up at 5:00 or earlier (for processing of their ARES / ACS Photographs and ID Cards) and ended at 9:00 pm although folks were still going strong in conversation.

K3WS Tom, started the meeting and introduced the Cambria Radio Club Officers and guest speakers (N3XCC, KB3REA, WB3JSW, N3YFO, N3LAD, and Dan Morris Cambria County Public Safety Specialist) and welcomed the 3 new visitors to the meeting.

Although we had snow and the threat of additional bad weather 24 people attended the meeting including: K3WS, JACK BREW, KB3UIY, W3IW, WB3JSW, K3EMM, N3SSD, BEN SAKMAR, KB3AGT, DAN MORRIS, KB3REA, [W3RCS NOW A GENERAL](#), N3LAD,

PAUL DEPOLA, KK3U, [W3KCC NOW AN EXTRA](#), N3ZQY, W3SF, N3MAZ, N3XCC, KB9WCX, N3JCV, AB3OV, KB3WUD, KE3UC.

Pictures of the meeting and meeting related documents can be found in the Club Members folder on Drop Box AND NOW ON the CAMBRIA RADIO CLUB FaceBook PAGE. As a member you have access to this folder. You may request access at wa3wgn@gmail.com. A link to our FaceBook page can be found on the main page at cambriaradio.com

Officers and Guest Speakers:

Tom Brew	K3WS	
President / Trustee		
Holli Serenko	KB3PJG	Treasurer
Fred Raco Jr.	N3JCV	VP Legal
Vacant		VP
Emergency Communications		
Chuck Englody	N3LAD	Executive Secretary
Vacant		Public Relations
		apply at wa3wgn@gmail.com

Cambria Radio Club Information

President	Tom Brew K3WS		
Vice President	Fred Raco, Jr. N3JCV		
Secretary	Chuck Englody N3LAD		
Treasurer	Holli Serenko KB3PJG		
Repeaters	WA3WGN	146.940-	[123.0] Johnstown
	KC3DES	145.210-	[123.0] N.Germany
	KC3DES	443.525+	[123.0] Carrolltwn
	KE3DR	146.655-	[123.0] N.Cambria
	K3WS	147.060+	[167.9] Carrolltwn
	N3YFO	145.390-	[123.0] Johnstown
	KA3ZYC	146.775-	[123.0] Ebensburg
Nets	Sunday @ 2100 145.210- [123.0]		
Web	cambriaradio.com		



∞ Club connections

The Parasitic Emission

February 2012



David Babal WB3JSW VP
 Training **APPOINTED Jan 20, 2012**

Scott Zimmerman N3XCC Holding
 CRC's Second VE Test Session

Herb Enos KB3REA Update
 on Merit Badge in a Day and a Ham to Stay

Dave Babal WB3JSW Digital
 Operations Demonstration

Dan Morris Cambria
 Co. Public Safety Spec. ID Badge updates

Dave Hunter N3YFO ACS
 Officer Western Area. Future of ACS.

Chuck Englody N3LAD Update on
 Internet access for .775 and .940 sites

ANNOUNCEMENTS or ACKNOWLEDGEMENTS

K3WS and N3YFO thanked Dan Morris Cambria County Public Safety specialist for attending the meeting and producing our PA-Region 13 ACS/ARES Task Force Emergency Response Identification Badges. It was a big help to have this done in one step. Thank you Dan!!

K3WS announced that we have signed up 2 new (NK3A and KB9WCX) members since the last meeting. All members and sponsors are listed on cambriaradio.com

Congratulations to David Babal WB3JSW for accepting the club position of VP training.

KB3REA, Herb gave an update on Merit Badge in a Day and a Ham to Stay Special Event K3B. Mentioning this event is growing to include sponsors and individuals and companies donating to the event. One anonymous individual donated 2 NEW dual band HT's for be chanced off to two scouts earning a license at the event. Herb needs your help in this event please contact herb at KB3REA@hotmail.com

A very special announcement from W3SF Tom: The Horseshoe Amateur Radio Club <http://www.harc1.org> has agreed to co-participate in the Merit Badge in a Day and a Ham to Stay project and Special Event K3B by bringing their mobile antenna systems and possibly some operators as well. Much more detail to be posted... ANYONE or any organization willing to participate may contact herb at KB3REA@hotmail.com

Thank you to Herb KB3REA for the use of the church facility that now has Wireless Internet access thanks to Scott N3XCC, KE3UC, W3KKC, and K3EMM.

AB30V John ARES AEC, and N3SSD Mike, started a Saturday night FM Simplex net on 147.550 no PL, (the assigned ARES Simplex frequency as seen at <http://www.wpaares.org>) Point your beams to Johnstown PA and join in on the fun which starts about 9:00pm. Updates and check in's will be posted on the CRC FaceBook page.

N3LAD, Chuck informed the group that we have secured Internet access for both, the 146.940 WA3WGN Johnstown South repeater site and the 146.775 KA3ZYC / WA3WGN & 443.525+ K3WS North repeater site. This will enable remote control and linking as needed. The 443.525 and 146.775 now share the same site and antenna... Additional detail will be given at the next meeting.

N3YFO David Hunter announced that he has plans to start informal training on the required ICS 100, 200, and 700 certification required by ACS. Dave also informed us the draft of the ACS manual is completed and ready for review.

WB3JSW David Babal, announced a new digital net being held Wednesday at 7PM. David is inviting anyone interested to join in. Operations will start in FM voice on a Cambria County repeater near you.

Visit cambriaradio.com digital operation page for complete detail. Dave is serving as web master of the digital page as well...

K3WS announced that we have been hosting a Wednesday Night Cambria Radio Club ARES Net. The net is conducted by John AB30V and others at 9pm on the wa3wgn club repeater at 146.940 or echo link node K3WS-L or AllStar node 27656. Everyone is welcome. **UPDATE: While .940 has problems this net will be on the WAN system. Watch our web site and FaceBook page for announcements.**

The Laurel VEC has agreed to Sponsor Cambria Radio Club. This great news will allow us to offer FREE VE testing sessions for our entire area!!!!

Our VE Test Success Story from our second VE session on January 20. 5 people tested with 2 upgrading and 3 needing a little more study. Kevin Custer W3KKC UPGRADED to EXTRA 1/20/2012 Robert Staph W3RCS UPGRADED to General 1/20/2012 Robert was a walk in.

Thank you to Scott Zimmerman N3XCC CRC VE Team Lead, Bob Rose AA3RR and Brenda Diamond-Rose KB3ATI Laurel VEC, Tom Brew K3WS VE, Dan Ruhe KE3UC VE, and John Rogers W3IW VE for their efforts in the second Cambria Radio Club VE Test session. TRULY GREAT WORK TEAM!!!

The Cambria Radio Club is offering our FREE VE test session at selected 2012 CRC Meetings. Visit <http://www.cambriaradio.com> to sign up. Full details posted on our VE page. All are welcome but seating is limited!! 6:00 pm Mount Calvary Lutheran Church 1000 Scalp Ave. Johnstown, PA 15904

The year of service is the theme for 2012. John Geiser AB30V is our new ARES AEC and over the next few months we will lay out our plans for ARES and ACS.

WB3JSW David Babal preformed his digital operations demonstration and the group feedback was very positive. The start of the new digital net will give anyone interested a chance to learn how to operate. The digital operations page is up at cambriaradio.com

UPCOMING EVENTS

CRC February meeting will be held on the 17th at 6pm

Technology theme is operating fun at the meeting. Bring a rig or your go kit to operate. Bring a laptop computer and work an iax-client or remote. Let's have fun and discuss on the next few nets the possibilities we can all explore.

CRC March Meeting will be held on the 9th at 6pm **FREE VE Test Session at 6:30 pm** see cambriaradio.com for details

April Meeting will be held on the 20th at 6pm

We will host a swap and sale/ miniature ham fest led by Mike N3SSD complete details can be found at cambriaradio.com or by contacting wa3wgn@gmail.com

March 31st and April 1st Merit Badge in a Day and A Ham to Stay Special Event K3B

FREE VE Test Session for the Boy Scouts and Special Event K3B see QRZ.com / K3B and cambriaradio.com

Future meeting dates:

May 18, June 15, July 20, August 17, September 21, October 12, November 16, December 14.

VE sessions at June, August and November meetings.

The open conversation during the January 20th meeting went from 8:00pm to 9:00+ pm. Many people made this meeting possible with their unseen help. It is only with the help of

everyone involved that we are able to have fun and enjoy this hobby. THANK YOU to everyone who helped.

We would like to offer a special thank you to everyone who attends and supports the Cambria Radio Club including our local community.



Boy Scouts of America
Radio Merit Badge in a Day
A "HAM" to Stay!
March 31, 2012
Johnstown, PA
Special Event Station
K3B
CAMBRIA
RADIO
CLUB
WA3WGN
Verifying Your Contact with Station K3B
Helping Scouts Grow Into New Hams!



Shorts

ATTENTION ARRL Members! When it's time to renew your League membership, please do so through your ARRL-Affiliated club. A portion of your ARRL dues will be retained by your local club. It's a great way to give a "little extra" to your club, without costing anything extra to you!

If you're not an ARRL member, or haven't been for over two years, your club will receive \$15.00 of your ARRL dues when you join. Even if you are "mad" at the League, what better way to "stick it to them" than to make them pay money back to your local club?

DEADLINE FOR THE March PE is Monday, February 27, 2012. As usual, we appreciate it greatly if lengthy or complex articles are submitted before that date.

If you need help writing an article, we can help. Send us what you can, and ask for help, and we will be in contact. If you need us to take photos, please let us know, well in advance of the date, and we will make every effort to be there if we can.

Please send all materials to:

submit@parasiticemission.com

LICENSE CLASSES currently in Du Bois are going well with 8 prospective hams attending. They have been sticking to it and are doing well on practice exams. Let's get ready to welcome them on the air because it looks like they will soon be joining us!

Silent Keys

Dave Posmoga K3MGC

From John Szwarc N3SPW, PARA:

I'm sad to say that on Tuesday Dave Posmoga K3MGC passed away at Mountain Laurel Nursing Home in Clearfield. He was 64 years old. Dave had struggled health-wise for the past couple of years. But he was always his same cheerful self when fellow hams would encounter him at the grocery store or just stopped by his QTH for a visit.

Most of us will recall Dave as having been one of the two founding members of PARA back in 1992. Dave was part of the PARA VE Testing team, he was the brains behind establishing the 146.640 repeater, and served in various official capacities in our organization over the years. In 2007 PARA honored Dave for his efforts and contributions to PARA by awarding him the PARA Ham of the Year award. One of the people that nominated Dave for that award described him as "always helpful, supportive of all activities, and friendly". Many hams living in the Philipsburg area have, at one time or another, called upon Dave for advice or help for various projects. Dave always made time to help fellow hams out and will be missed.

The local newspaper "The Progress" carried a short notice about Dave's passing today. According to the article, arrangements are being handled by the Reed Funeral Home in Houtzdale. There will not be a public visitation.

May he rest in peace.

Ed Zettle W3LQA (WA3AMJ)

From Tom Orzetti WB3IGM, Kane:

It is with much sadness I am writing this. I received a call at 2:15 today that Ed Zettle W3LQA passed. He had a massive heart attack. He was at the Kane Hospital in Intensive Care.

He passed shortly after being visited by two friends. He will be missed.

The Amateur's Code

Paul M. Segal 9EEA, 1928

- 1 - **The Amateur is Gentlemanly**
He never knowingly uses the air for his own amusement in such a way as to lessen the pleasure of others. He abides by the pledges given by the ARRL in his behalf to the public and the Government.
- 2 - **The Amateur is Loyal**
He owes his amateur radio to the American Radio Relay League, and he offers it his unswerving loyalty.
- 3 - **The Amateur is Progressive**
He keeps his station abreast of science. It is built well and efficiently. His operating practice is clean and regular.
- 4 - **The Amateur is Friendly**
Slow and patient sending when requested, friendly advice and counsel to the beginner; kindly assistance and cooperation for the broadcast listener; these are the marks of the amateur spirit.
- 5 - **The Amateur is Balanced**
Radio is his hobby. He never allows it to interfere with any of the duties he owes to his home, his job, his school or his community.
- 6 - **The Amateur is Patriotic**
His knowledge and his station are always ready for the service of his country and his community.

New 5MHz Rules March 5

ARRL BULLETIN



On November 18, the FCC released a Report and Order (R&O), defining new rules for the 60 meter (5 MHz) band. These rules are in response to a Petition for Rulemaking (PRM) filed by the ARRL more than five years ago and a June 2010 Notice of Proposed Rulemaking (NPRM). In the February 3 edition of the Federal Register, the FCC announced that these **new rules will go into effect on March 5, 2012.**

In summarizing the new rules, the FCC explained that the new rules amend the current rules to facilitate more efficient and effective use by the Amateur Radio Service of five channels in the 5330.5-5406.4 kHz band (the 60 meter band).

The Amateur Radio Service in the United States has a secondary allocation on 60 meters. Only those amateurs who hold General, Advanced or Amateur Extra class licenses may operate on this band.

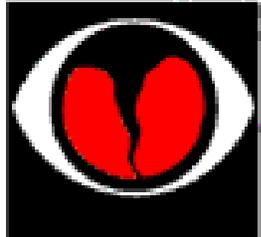
Amateur stations must not cause harmful interference to – and must accept interference from – stations authorized by any administration in the fixed service, as well as mobile (except aeronautical mobile) stations authorized by the administrations of other countries.

Details can be found at:
<https://www.federalregister.gov/articles/2012/02/03/2012-2477/amateur-radio-use-of-the-allocation-at-5-mhz>

SkyWarn™ Training Planned

by Bryan Simanic WA3UFN

SINCE IT HAS been about two years since the most recent SkyWarn™ training presentation in the DuBois area, I submitted a request to the National Weather Service, State College for another. The date for this presentation has not yet been set. The location has been tentatively set. The actual time and location will be passed along as soon as I find out.



SKYWARN™

I am working with the Deputy Director Clearfield County EMA, Jerry Pollack to coordinate a combined presentation since both of us are involved in local emergency response/support groups in Du Bois. This combined effort was requested by the National Weather Service to reduce the travel time for the meteorologist from State College.

I expect the date to be determined within the next couple of months, so keep an eye on the newsletter for further information.



Profiling Your Antenna

by Gilbert "Skip" Kauffman K3CC

THE MOST important paper in your shack next to your FCC Ham license, is an antenna profile sheet. When I started in Ham Radio my Elmer taught me the importance of recording your antenna profile.

What is an antenna profile? Why is it important? Simply put, an antenna profile is a graphical representation of the SWR vs Bandwidth. If you use a resonant dipole, as half wave antenna, your SWR changes as you increase or decrease the frequency from the center frequency of the dipole.

The Basics:

A half wave dipole is one that is one half the length of the fundamental frequency in feet or meters. The formula for the length of wire necessary for a half wave dipole in feet, is $468 / \text{freq}(\text{MHZ}) = \text{total length of a half wave dipole in feet}$. Therefore a Forty meter antenna is about 65 feet long at 7.2 MHZ. The dipole at the feed point is about 70 ohms not 50 ohms. When you feed a half wave dipole with 50 ohm coax you start off with an imbalance. If you cut your dipole at 67 feet long and check the SWR at 7150 Khz it may be close to 1:1.

The profile of the antenna is SWR plotted against frequency. Take a piece of graph

The actual time and location will be passed along as soon as I find out.



paper and on the X axis (horizontal line) write the frequency every 25 khz. Start with 7000 Khz up to 7300 Khz.

On the Y axis (Vertical) write the SWR starting with 1:1 up to about 5:1.

Take SWR measurements every 50 Khz and record them as dots where the X and Y axis meet. Example, if at 7000 Khz the SWR is 2.5:1 go up the Y axis to 2.5:1 and over to the X axis to 7000 Khz and record your first point.

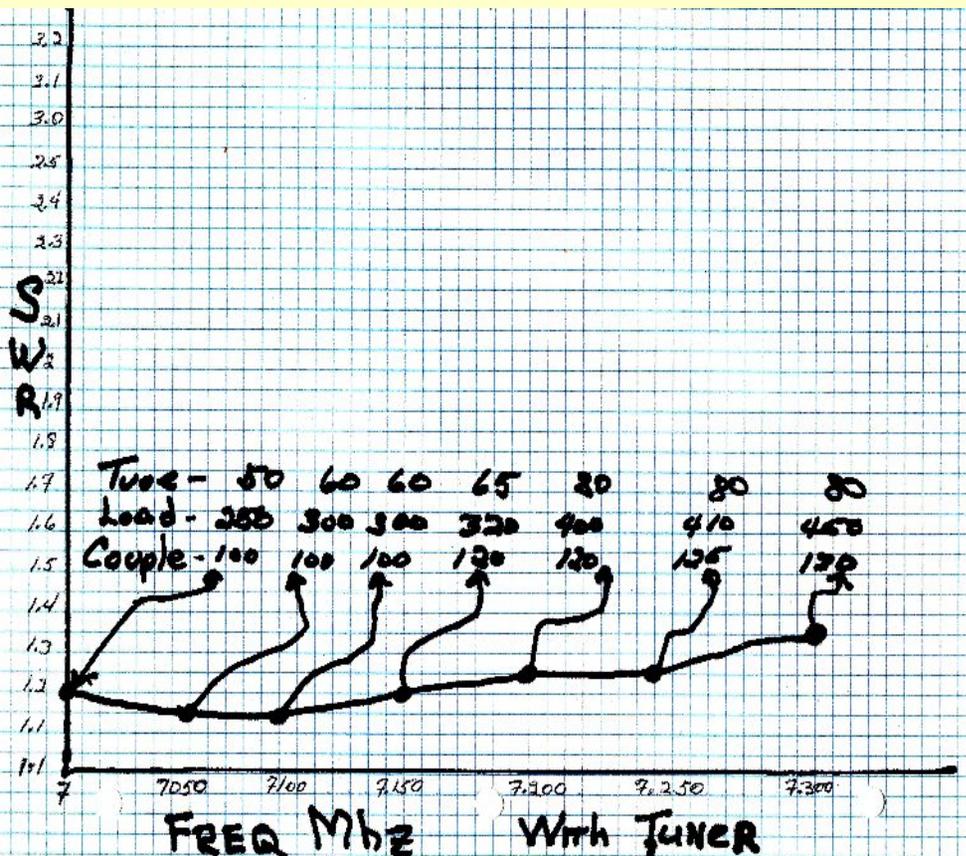
When you finish you may have a U shaped curve when the dots are connected. Save this paper. If your antenna wire stretches, the curve will move down in frequency as the antenna becomes longer. If you think that you have an antenna problem you can always refer back to your initial antenna profile graph.

SWR Plot With Antenna Tuner

If you must use an Antenna Tuner you can plot an SWR curve and record the Tuner settings. This record will allow you to always check your settings against the initial recording. The second graph will explain how to record the settings from your tuner. Using graph paper , plot your SWR vs Frequency on the paper. Somewhere on the SWR side of the graph write the controls for your tuner as shown.

When your have your lowest SWR draw a line from the dot where the SWR meets the Frequency and fill in the numbers on the controls as shown. Once you have this record you can use it to quickly change bands and match the output of the transmitter to the antenna tuner. You can save this form in a clear plastic folder or a 3 ring binder.

This is a helpful tool that will show when you



have a problem with your antenna or feed line. I have an MFJ 259B antenna analyzer that is an invaluable tool when erecting an antenna. This analyzer has many functions. I use it for a oscillator, Frequency standard, SWR bridge with resistance readout and a coax cable tester.

As simple as it sounds, this graph of your antenna may be the quickest way to evaluate your antenna when there is a problem.

Legal Notices

The Parasitic Emission (ISSN: 2156-0080) is published monthly by Joe Shupienis, 96 Third Street, Falls Creek, PA 15840

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The Parasitic Emission is published monthly for all Radio Amateurs residing in central Pennsylvania. This electronic edition is provided free of charge by email, and may also be downloaded from: www.parasiticemission.com which also makes available selected back issues, current issues and more.

The current, online, interactive version of the calendar, which contains regional club activities and events in upcoming months may be accessed at calendar.parasiticemission.com. You may use that calendar to enter amateur radio events of interest to local amateurs which are intended for publication, subject to review and approval.

This graph may be the quickest way to evaluate your antenna

QCARC At Klondike Derby

by Joe Shupienis W3BC

THE WINTER AIR was filled with the happy shouting of nearly 400 Cub Scouts at Camp Mountain Run on Saturday, February 11th, as they gathered for their annual Klondike Derby. "It's a great way for them to enjoy winter activities in the great outdoors," explained District Director Carl Hall.

This year, there was a new activity that captured the interest of the Cub Scouts from the north-central Pennsylvania region served by the Bucktail Council. That activity was an Amateur Radio station and exhibit set up by members of the Quad-County Amateur Radio Club.

Club President Joe Shupienis W3BC led the hams in greeting each 50-60 Scout unit as they entered the room. Quad-County members Don Jewell KB3LES and Lars Kvant KB3WBT/SM7FYW demonstrated VHF antennas they built, and answered questions from the Scouts and their parents. Jesse Tucker KG4ZXC and President Shupienis W3BC discussed how Amateur Radio is a lifelong activity which can lead to careers in engineering, science and technology.

Club Member Kevin Hoynoski W3PIG showed the Scouts his "Go Box"—a portable amateur radio station in an easily carried container.

Next, the Go-Box was put into action on the Quad-County 147.315 repeater, and each and every Cub Scout got to speak on the air with Phil K3PJ at his home in Clymer. They learned from talking with him that he is a Scoutmaster for a unit in Indiana County.

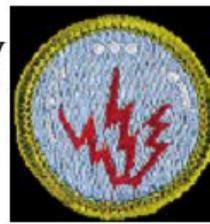
After putting 381 Cub Scouts on the air, both groups were very happy with the operation and look forward to working together again!



After putting 381 Cub Scouts on the air, both groups were very happy!



Radio Merit Badge in a Day & a "HAM" to Stay!



The Cambria Radio Club and Troop 100 have paired up to earn your Radio Merit Badge and if you choose to, take your Amateur radio test in the same day.

We have also planned an overnight adventure with an electric safety demonstration and a visit from Detachment 1, 856 Engineer Company US Army Reserves along with working the airwaves as late as we can.

When: March 31, 2012

Where: New Germany Grove

Time: 0800 –1630

Cost \$ 0

Lunch provided by 

Merit Badge in a Day Information

We will set up areas to learn and do the requirements for the Radio Merit Badge, including setting up several amateur radio stations for you to meet the requirements. Those interested in Broadcast Radio or Shortwave Radio can make arrangements to complete Section 9 of the requirements in those areas by contacting Herb Enos at KB3REA@hotmail.com. All scouts must bring a signed BLUE CARD for the radio merit badge.

Amateur Radio Test information

Those interested in taking the Technician class Amateur radio test have several options.

1. Purchase a book and study for the exam. * See Below
2. Ask to borrow a book to study for the exam. * See Below
3. Go online looking up Amateur radio Technician License testing materials, and there are a lot of these sites. (Some are free some you pay for.) and study for the exam.
4. The Test Session will be conducted shortly after the merit badge sessions finish.
5. ALL SCOUTS TESTING MUST BRING TWO FORMS OF IDENTAFICATION.
6. Two lucky Scouts, who pass the exam, will leave with their own portable radio.

* (To obtain more information on purchasing or borrowing a book, or for what ID will meet the requirements contact Herb Enos, KB3REA@hotmail.com)

We strongly discourage you attempting the exam with just the knowledge you receive at the merit badge sessions.

The merit badge in a day will get you what you need for the badge, but not provide you with the information needed to pass the technician exam.

Overnighter Information

We will start setting up camp immediately following the Amateur radio exams, and will have a electric demonstration from Somerset Rural Electric, and a special appearance by Detachment 1, 856 Engineer Company US Army Reserves, and if the airways agree free radio time. All overnight troops must have at least 1 adult leader.

Dinner and breakfast are on your own.

All participants are required to attend the Merit Badge Sessions. You may choose to Test, and or Stay Overnight.

More information and Registration Form at www.cambriaradio.com

Registration Deadline Saturday, March 3, 2012

Merit Badge In A Day!

by Herb Enos KB3REA

MERIT BADGES are awarded to Boy Scouts for completing various educational programs. One of those is Amateur Radio.

The Cambria Radio Club has put together a program called "Merit Badge In A Day... And A Ham To Stay." Scouts who take part in this day-long event will meet the requirements for the Radio Merit Badge, and gain a good introduction to Amateur Radio in the process.

We have scheduled a VE Exam session to coincide with the Merit Badge exercise, to enable those Scouts who are prepared to take the te3sts to obtain their Amateur Radio licenses.

This event is the first of its kind in our area, and we hope it won't be the last! We invite every Amateur Radio Club in the area to contact us to offer help, as this promises to be an extremely popular activity.

For more information, please visit the Club website:

www.cambriaradio.com

or email to Scoutmaster Herb Enos KB3REA .

This event is the first of its kind

February 2012 Calendar

Amateur Radio Club Activities, Events and Gatherings

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>29</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>30</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>31</p>	<p>01</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>02</p> <p>7:00pm» Headwaters ARC Meeting</p>	<p>03</p>	<p>04</p> <p>9:00pm» Philipsburg ARA Net</p>
<p>05</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>06</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>07</p> <p>7:30pm» Indiana Co ARC Meeting</p>	<p>08</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>09</p>	<p>10</p>	<p>11</p> <p>9:30am» Quad-County ARC Breakfast</p> <p>3:00pm» PARA Meeting</p> <p>9:00pm» Philipsburg ARA Net</p>
<p>12</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>13</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>14</p> <p>7:00pm» Punxsutawney Area ARC Meeting</p>	<p>15</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>16</p>	<p>17</p> <p>6:00pm» Cambria Radio Club Meeting</p> <p>7:30pm» Quad-County ARC Meeting</p>	<p>18</p> <p>9:00pm» Philipsburg ARA Net</p>
<p>19</p> <p>1:30pm» Elk County ARA Meeting</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>20</p> <p>Presidents' Day</p> <p>Parasitic Emission Submission Deadline</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>21</p>	<p>22</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>23</p>	<p>24</p>	<p>25</p> <p>9:00pm» Philipsburg ARA Net</p>
<p>26</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>27</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>28</p>	<p>29</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>01</p> <p>7:00pm» Headwaters ARC Meeting</p>	<p>02</p>	<p>03</p> <p>9:00pm» Philipsburg ARA Net</p>

March 2012 Calendar

Amateur Radio Club Activities, Events and Gatherings

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>26</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>27</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>28</p>	<p>29</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>01</p> <p>7:00pm» Headwaters ARC Meeting</p>	<p>02</p>	<p>03</p> <p>9:00pm» Philipsburg ARA Net</p>
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<p>11</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>12</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>13</p> <p>7:00pm» Punxsutawney Area ARC Meeting</p>	<p>14</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>15</p>	<p>16</p> <p>7:30pm» Quad-County ARC Meeting</p>	<p>17</p> <p>9:00pm» Philipsburg ARA Net</p>
<p>18</p> <p>1:30pm» Elk County ARA Meeting</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>19</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>20</p>	<p>21</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>22</p>	<p>23</p>	<p>24</p> <p>9:00pm» Philipsburg ARA Net</p>
<p>25</p> <p>7:00pm» QCARC 2-meter FM Net</p> <p>7:30pm» Clearfield County A.R.E.S. Net</p> <p>8:00pm» Elk Co ARA Net</p> <p>9:00pm» WAN ARES Net</p>	<p>26</p> <p>Parasitic Emission Submission Deadline</p> <p>7:00pm» HARC Nets</p> <p>7:30pm» Punxsutawney ARC 2 Meter Net</p> <p>8:00pm» Jefferson County EMA Radio Service Net</p>	<p>27</p>	<p>28</p> <p>7:00pm» Hamshack Net</p> <p>9:00pm» Cambria County ARES Net</p>	<p>29</p>	<p>30</p>	<p>31</p> <p>9:00pm» Philipsburg ARA Net</p>